

featuring the
new 1963

knight-kit®

CATALOG

(pages 1 to 69)

ALLIED

ELECTRONICS for everyone



1963

our 42ND year

CATALOG 220

INDEX: PAGE 448



ALLIED RADIO

100 N. WESTERN AVE. • CHICAGO 80, ILLINOIS • HAymarket 1-6800

Satisfaction Guaranteed or Your Money Back

you get all the newest advances when you build

knight-kits[®]



the world's very finest electronic equipment
in money-saving kit form . . . and
so easy to assemble!



New! **KG-4000 All-Transistor 1-Watt Citizens Band Walkie-Talkie Kit**

Only
\$59⁹⁵
\$5 monthly

- Now—Professional-Quality All-Transistor 2-Way Radio With True Portability Plus a 5-Mile Range
- 9-Transistor Circuit—Powerful 1-Watt RF Input
- Crystal-Controlled Transmit and Receive Channels
- Superhet Receiver has RF Stage, 2 IFs, Squelch, AVC, Noise Limiter, Push-Pull Audio Output

Knight-Kit leads again with this professional-quality transceiver kit that has 10 times the power of most walkie-talkies . . . a full 1-watt RF input for reliable 2-way communication for up to 5 miles! Superhet receiver has automatic noise limiter and variable squelch to reduce background noise, and to keep speaker silent between calls. Distance-Local switch and AVC stop receiver distortion caused by nearby units. Also: handy press-to-talk button; relative RF output indicator for maximum-power adjustment; plug-in crystal sockets; 52" whip antenna; external-antenna jack; jack for earphone or external speaker. Built-in mike and speaker are weather-protected. Weighs 32 oz. 9 transistors, 3 diodes. Less batteries, crystals (requires 1 transmit and 1 receive, below). With FCC-permit application form; tough, tan plastic case; wire, solder; easy instructions. Plastic carrying strap. 10 $\frac{1}{2}$ "x3 $\frac{3}{4}$ "x4 $\frac{1}{2}$ "x2". Shpg. wt., 2 $\frac{1}{2}$ lbs.

83 YX 803—J. \$5 Monthly. ONLY 59.95

83 Y 012—J. "C" Batteries for Above. Uses 8. Wt., 2 oz. . . . EACH 14⁹⁵

83 Y 011—J. Rechargeable Battery / Charger/AC Power Supply Kit Heavy-duty nickel cadmium cell replaces the 8 "C" cells; may be recharged many times. Charger unit permits KG-4000 to be operated from 115 VAC while charging battery. 1 lb. **ONLY 19.95**

83 Y 047—J. Adapter for 12-v. Use. Plugs into cigarette lighter of auto. With cable. Shpg. wt., 6 oz. **NET 1.00**

83 Y 041—J. Receiving Crystals. Specify ch. 1-22. 3 oz. . . . EA. 2.50

83 Y 034—J. Transmit Crystals. Specify ch. 1-22. 3 oz. . . . EA. 2.50

SPECIFICATIONS. Receiver. Crystal-controlled superheterodyne. Sensitivity, better than 1 μ v for 10 db s/n ratio. Selectivity, 6 db. @ 6 $\frac{1}{2}$ kc Image Rejection, 12 db. Adjacent Channel, 30 db down. Audio Output, 750 mw class B push-pull. Transmitter. Crystal-controlled (any CB channel, 1-22). RF Input, 1 watt. RF Output, 0.5 watt. **Power Supply.** Operates up to 50 hrs. on 8 size C flashlight cells, or on rechargeable nickel cadmium cell (optional); has provision for operation from external 12 VDC source.

You Benefit From These Buying Advantages

MONEY BACK GUARANTEE.

You must be satisfied with your Knight-Kit purchase or your money will be refunded.

NO MONEY DOWN buys any Knight-Kit. Use our Credit Fund Plan for 50% more buying power—take up to 24 months to pay.

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ALLIED RADIO CORPORATION

100 N. WESTERN AVE. CHICAGO 80, ILL.

OFFICE OF THE PRESIDENT

Dear Friend:

You will see on the following pages all the newest developments in electronics. You have the world's largest selections at your command. And the big, important news is this: More than ever, your money goes further at Allied.

You will be especially interested in the following highlights:

You get more with your Allied Credit Fund Plan—yes, more buying power for the same low monthly payments—read the details beginning on the next page.

You get more with exciting new Knight-Kits® and Knight® products—see the latest developments in quality build-your-own electronics equipment—advanced new Stereo hi-fi, new CB radios, new ham gear, new hobby kits—at worthwhile savings.

You get more in extra-special values—"bonus buys" and Allied exclusives selected for our old-time friends and for new customers—see the last six special pages of this catalog.

Over and over again, you will find in this catalog proof that your money goes further at Allied. As always, you can buy with confidence, because we guarantee satisfaction or your money back. We welcome every opportunity to save you time and money, and to satisfy you completely.



A. D. Davis

NOW! MORE BUYING POWER with your *ALLIED* CREDIT FUND

**now you get even more for
the same low monthly payment!**

get these outstanding advantages

- 1** More buying power—your Allied Credit Fund Plan gives you more than ever
- 2** Not a penny down required
- 3** Take up to 24 months to pay
- 4** A definite amount is set aside in a Credit Fund for your use
- 5** Make “add-on” purchases at any time
- 6** You always know where your account stands —you get a full statement each month
- 7** Your Credit Fund automatically increases every time you make a payment

plus benefits

A single low monthly payment brings you anything Allied sells. You save money, because all you pay is a small monthly service charge, which is automatically reduced every time you make a payment. No service charge at all if paid in 30 days.

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•
*For How to Order
see pages 452 and 453*

ALLIED

***guarantees your
complete satisfaction
OR YOUR MONEY BACK***

this is the Allied Pledge

- **to save you time and money**
- **to ship speedily and safely**
— most Allied orders are filled and on their way to you within 24 hours after being received.
- **to satisfy you completely**
— every item you buy from us must satisfy you in every way or we want you to return it for exchange, repair or refund...

ALLIED RADIO CORPORATION

100 N. WESTERN AVENUE • CHICAGO 80, ILL.

Phone: HAymarket 1-6800 (AREA CODE 312)

the world's largest electronic supply house

our 42nd year of service



make full and regular use of your Allied Credit Fund

HAVE CONTINUOUS BUYING POWER

The Allied Credit Fund Plan makes possible your immediate enjoyment and use of everything you want in electronics! It places at your command a definite, always-known credit fund that now can give you MORE in buying power for the same low monthly payment. Just open an Allied Credit Fund Account. Use it any time. Buy what you want without a penny down. Use it for "add-on" purchases any time—still no money down. Enjoy maximum buying power with your Allied Credit Fund!

Here are the ALLIED CREDIT FUND highlights and advantages:

You always know what you have in your Credit Fund. You know exactly how much buying power you have, from the moment you open your account and place your first order. When you make purchases they are charged against your Credit Fund. Each payment you make decreases the balance due and at the same time increases your credit. The monthly statement we send you shows clearly how much unused credit you have.

Shopping is quicker, easier. You never have to figure freight or delivery charges—we prepay them. We send your orders prepaid and add the charges to your account. You don't have to keep extra cash on hand to pay C.O.D. charges—there's no fuss or bother.

You pay only for what you use. For instance, your Credit Fund may have been set at \$400 on the basis of an \$18 monthly payment, but if your order is for only \$220, your monthly payment will be only \$11.00 (see Table, next page).

Make "add-on" purchases at any time. This is a big advantage. You don't have to complete payments on a previous purchase to make a new purchase. In most cases, there's no change in your monthly payment. To illustrate: Suppose you have a balance of \$50 on a purchase of \$160. You have been paying \$8 per month. You can now order up to \$110 more for the same \$8 per month. If your "add-on" order is for more than \$110,

your monthly payment will be adjusted in accordance with the terms in the Table on the next page.

Only your signature on "add-on" orders. After your first order, your signature in the space provided on the back of the order blank is all you need to make your purchase. There is no minimum on "add-ons," and no further information or down payment is required.

No complicated records for you to keep—no bookkeeping problems. We send you a personal statement of your account every month. It shows your purchases, payments, unpaid balance, and most important—the amount of unused credit you have available. Remember—you pay only for what you use.

There's only a small service charge. A service charge of only $1\frac{1}{2}\%$ is added to your monthly balance. The exact amount is shown in your statement, and it's reduced each time you make a payment. No service charge at all if paid in 30 days.

Your Allied CREDIT FUND

now gives you

EXTRA BUYING POWER

***for the same low
monthly payment***

here's how the Allied CREDIT FUND works:

When you first open an Allied CREDIT FUND account, we set up a Credit Fund in your name. It allows you a definite amount which we set aside in a Fund for your use. Buy anything you want without a penny down—covers "add-ons," too.

You always know exactly how much more credit is available to you. Under the CREDIT FUND Plan, you can actually enjoy more

buying power than ever before possible for the same low monthly payment. Example: For a monthly payment of only \$20.00 you can now buy in the amount of \$480.00, as compared to \$400.00 under the old regular terms.

**SEE HOW MUCH MORE
YOU CAN NOW BUY
FOR THE SAME LOW
MONTHLY PAYMENT**

TO OPEN YOUR ACCOUNT. To enjoy the advantages of an Allied CREDIT FUND, fill in the application on the back of our order blank, and send it in with your order.

No Down Payment Required

No down payment is required on any purchase you make on your Allied Credit Fund Plan. You can use all or your portion of the amount in your Fund. Your monthly payments depend on the amount you use (see Table at right).

Each time you buy, you draw against your Fund, but each payment you make goes toward building up *more* and *more* credit. This means you can "add-on" new orders at any time.

ONLY YOUR SIGNATURE ON "ADD-ON" ORDERS

You can "add-on" orders at any time for the unused amount in your fund with no money down. Just sign your order in the space provided. You may determine your monthly payment in the following way:

1. Combine amount of your "add-on" order with your present unpaid balance.
2. See Table at right to find proper monthly payment for new unpaid balance.
3. If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment will be required.
4. If monthly payment for your "add-on" order, plus your present unpaid balance is more than you currently pay, we will show the new monthly payment on your next statement.

SIMPLEST, EASIEST PLAN. Because you get a detailed personal statement each month, you don't have to bother with bookkeeping. You can check accuracy in seconds. Because all shipping charges are prepaid and included in your account, there's nothing to figure. Your Credit Fund Plan is the last word in low-cost convenience.

Credit Fund Payment Table

Monthly Payment	Unpaid Balance (Total amount less any down payment)
Only	Buys Up To
\$ 5	\$100
\$ 6	\$120
\$ 7	\$140
\$ 8	\$160
\$ 9	\$180
\$10	\$200
\$11	\$220
\$12	\$240
\$13	\$260
\$14	\$280
\$15	\$310
\$16	\$340
\$17	\$370
\$18	\$400
\$19	\$440
\$20	\$480
\$21	\$500
\$22	\$525
\$23	\$550

OVER \$550—Monthly payments will be in proportion to amounts on chart.

SMALL SERVICE CHARGE. Only a small service charge of 1½% is added to your monthly balance. There are no other charges. Your monthly statement shows exactly what you pay, what you owe and how much unused credit you have.

**FOR FULL CREDIT FUND
DETAILS, SEE PAGE 456**



NOW! New Lower Terms

Greater Buying Power

than ever with your **ALLIED**

CREDIT FUND PLAN

NEW EXTRA BUYING POWER LIKE THIS:

FOR ONLY \$5 MONTHLY YOU CAN BUY UP TO \$100

◀ SEE DETAILS

**enjoy everything you need and
want in electronics—today..!**



NEW! from **knight-kit**[®] and Loaded with Deluxe Features...



Universal—for Home,
Car, Truck or Boat



C-22 Citizens Band Transceiver Kit

Only
\$69⁹⁵

\$5 monthly

- 5 Crystal-Controlled Transmit-Receive Channels; Tunable Receiver
- Operating Range Up to 20 Miles
- Efficient, Full 5-Watt Transmitter
- Sensitive Superhetrodyne Receiver

All new from Knight-Kit and highlighted by a host of deluxe features, this magnificent transceiver kit offers crystal-controlled transmitter and receiver sections that operate on any 5 switch-selected channels—or flip the switch and manually tune receiver section through all 22 channels. Edge-illuminated front panel beautifully displays controls. 5-watt transmitter section has RF output indicator. Sensitive superhet receiver section has two 1650-kc IFs, planetary-drive vernier tuning, variable squelch, AVC, noise limiter, 3" speaker, 12 tube-functions. 4-9/16 x 10-13/16 x 10-1/2". With wire, solder, press-to-talk mike, instructions. Less crystals, below. For 110-125 v., 60 cycle AC or 12 VDC. Shpg. wt., 12 lbs.

83 YX 802-J. \$5 Monthly. **ONLY 69.95**

83 YX 801-J. Standard Model. For fixed-station use. For 110-125 v., 60 cycle AC only. **ONLY 64.95**

83 YX 009-J. Mobile Mtg. Bracket. For C-22. 3 lbs. **ONLY 4.95**

83 YY 046-J. Transmitting Crystals. *Specify channels 1-22.* (C-22 accommodates 5). Wt., 3 oz. **EACH 2.50**

83 YY 045-J. Receiving Crystals. *Specify channels 1-22.* (C-22 accommodates 5). Wt., 3 oz. **EACH 2.50**

SPECIFICATIONS. Receiver: Sensitivity, 1 μ v for 10 db s/n ratio; Selectivity, -6 db @ 6.5 kc; Adjacent Channels, 25 db down; Audio Output, 2 1/2 watts. Transmitter: RF Output, 3 watts; 54-mc harmonic trap; adjustable pi-net output. Controls: On-Off/Vol.; Squelch; Crystal-Tune/Channel Selector; Tuning; Noise Limiter.



Only
\$163⁹⁵
\$9 monthly

Complete 2-Station CB System



SAVE \$9.05. Includes: 2 Knight-Kit C-22 Transceivers (1 Standard, 1 Universal); Choice of any 2 Transmitting and any 2 Receiving Crystals; Mobile Mounting Bracket; Whip Antenna with Bumper Mount; Ground-Plane Antenna; 65-Ft. RG/58U Cable; 3 connectors. 46 lbs.

21 HF 061-J. *Specify channels 1-22.* **ONLY 163.95**



knight-kit®

STEREO HI-FI

The New Sound of Stereo



New! **knight-kit**® KG-60 all-transistor 50-WATT STEREO AMPLIFIER KIT

Only
\$79⁹⁵

Less Case

- Direct-Coupled Output—No Transformers or DC Blocking Capacitors in Output Stage
- Efficient 20-Transistor, 6-Diode Circuit
- Plays Instantly—Requires No Warm-Up Time
- No Microphonics—Virtually No Hum or Noise

The amplifier of the future—yours today! A refined version of our famous KX-60, the KG-60 has all of its predecessor's tremendous features plus a host of important advances to give you all the advantages of up-to-the-minute audio technology. Look what's NEW: 4-ganged volume control for virtually linear operation at all levels . . . handy plug-in transistor sockets . . . specially engineered PC board that prevents short circuits . . . and easy-access modular construction. Use of the finest transistors assures unparalleled performance—and there's virtually no heat.

The precision circuit develops a full 50 watts of IHFM music power that is *directly coupled to your speakers*—there are no transformers or DC blocking capacitors. This engineering breakthrough gives you reproduction that is so strikingly clean, true and pure—even in the extreme low-frequency range—that it must be heard to be believed.

Response: ± 1 db from 20 to 20,000 cps at *full rated output*. Thanks to the miracle of transistors, you enjoy freedom from microphonics and mechanical noise, instant warm-up, extremely low current-drain, compact size, and hardy construction that ignores jolts and vibration. Other highlights: dual-concentric clutch-type bass and treble controls; independent recording outputs; regulated power supply. Works with any speaker—regardless of impedance. With instructions, wire, solder. $2\frac{1}{2} \times 11 \times 9\frac{1}{4}$ ". Less case. For 110-125 v., 60 cycle AC. 8 lbs.

83 YU 659-J. \$5 Monthly ONLY 79.95

83 YX 644-J. Metal Case for KG-60. Shpg. wt., 5 lbs. ONLY 4.95

83 YX 645-J. Oiled Walnut Case for KG-60. 5 lbs. ONLY 9.95

SPECIFICATIONS. Response: ± 1 db, 20-20,000 cps at 50 watts. Harmonic Distortion: Below 1% at 50 watts. Hum and Noise: Tuner, -90 db; Mag Phono, -60 db. Inputs: Tape Head (NAB); Mag Phono (RIAA); Ceramic Phono; Aux; Tuner. Separation: Exceeds 40 db on all inputs.

All-Transistor Hi-Fi Components by Knight-Kit



New! *knight-kit*® KG-70 all-transistor STEREO MULTIPLEX FM-AM TUNER KIT

Only
\$99⁹⁵
Less Case

- 15 Transistors and 14 Diodes for Unexcelled Performance
- IF Strip and FM Front-End Assembled and Aligned
- Automatic Stereo Multiplex Indicator Light
- Micro-Accurate FM-AM Signal-Strength-Type Tuning Meter for Peak Performance
- 2 μ v FM Sensitivity—Edge-Illuminated Dial

Another exciting "first" from the world's most experienced manufacturer of solid-state hi-fi components in kit form . . . an all-new *transistor* tuner kit that gives you breath-taking stereo multiplex FM, plus wideband FM and sensitive AM. Since no tubes are used, you enjoy virtual elimination of hum and heat, freedom from microphonics, and fantastic durability. In addition, the KG-70's FM front-end and IF circuits are *pre-wired and pre-aligned*. This feature, plus advanced all-transistor design, gives you the highest level of performance attainable in a tuner kit—and enormously simplified assembly.

Deluxe features include low-impedance outputs that allow long cable runs; effortless flywheel tuning; signal-strength type tuning meter; and tuned RF stages on both FM and AM. FM circuit also has 2 wideband IFs, an interference-blocking limiter, a wideband ratio detector, AFC to lock-in stations without a trace of drift, and an automatic gain control circuit for stable fringe-area reception. On AM, a 10-kc IF bandwidth offers top fidelity. Supplied complete with 2 audio cables, wire, solder, easy-to-follow, step-by-step instructions. Dimensions and styling exactly match those of the KG-60 amplifier on the facing page—a perfect "stereo pair." Less case, below. For operation from 110-125 v., 60 cycle AC. Shpg. wt., 5½ lbs.

- 83 YU 704-J. \$5 Monthly ONLY 99.95**
83 YX 033-J. Metal Case for KG-70. Shpg. wt., 5 lbs. ONLY 4.95
83 YX 032-J. Oiled Walnut Case for KG-70. 5 lbs. ONLY 9.95

FM SPECIFICATIONS. Usable IHFM Sensitivity: 2 μ v for 30 db of quieting. Response: ± 1 db, 20-20,000 cps. IF and Detector Bandwidth: 200 kc. Hum and Noise: 60 db below 1 v. Channel Separation: 30 db. Antenna: External 300-ohm twin-line folded dipole.
AM SPECIFICATIONS. Sensitivity: 3 μ v for 10 db signal/noise ratio. IF Bandwidth: 10 kc. Hum and Noise: 60 db below 1 v. Antenna: Built-in ferrite loopstick.

Enjoy More of the Good Things—Use Your Allied Credit Fund



IF Strip is Factory
Wired and Aligned
. . . the Most Critical
Wiring is Already
Done for You!



FM Front-End Also
Is Pre-Wired and
Perfectly Aligned for
Superb 2-Microvolt
Sensitivity.



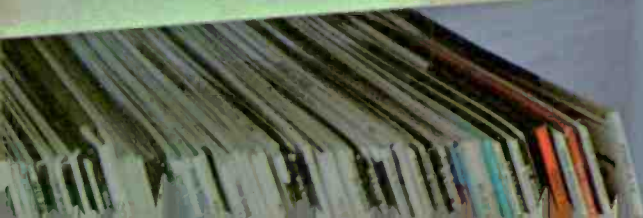
Automatic Indicator
Light Flashes On
Whenever You Are
Tuned to a Stereo
Broadcast.



Tuning Meter Assures
Peak Reception on Both
FM and AM Broadcasts.

All-New *knight-kit*® "Stereo Twins"

priced within reach of any budget... look and sound like twice the price... and so easy to assemble



New KG-250 20-Watt Stereo Amplifier Kit with Every Feature for True Hi-Fi Response

- Deluxe Styling and Features at Amazingly Low Cost
- New Output Transformers For Cleaner Sound
- DC on Preamp Tube Filaments for Lowest Hum and Noise
- Simplified, Exceptionally Easy-to-Operate Controls
- Magnetic Phono Inputs—Push-Pull Outputs—Pilot Light

Only
\$39⁹⁵
Less Case

The finest 20-watt stereo amplifier kit you can buy! You get sophisticated styling, top dollar-value, 10 clean watts of *continuous sine wave power* on each channel, and uncluttered point-to-point wiring for the easiest assembly imaginable. Built-in preamps, with DC-operated tube filaments, and twin push-pull output circuits with new, improved transformers deliver pure, vibrant sound over the audio spectrum. Other highlights: RIAA-equalized Magnetic Phono inputs; clutch-type volume controls; separate boost-and-cut bass and treble controls; and an AC accessory outlet. Special two-piece chassis design also aids assembly—the KG-250 is a real delight to build. With precut wire, solder, step-by-step instructions. Less case, below. 4 1/8" (plus 5/8" legs)x13 1/4"x8 1/2". For 110-125 v., 60 cycle AC. Shpg. wt., 16 lbs.

- 83 YX 317-J. \$5 Monthly ONLY 39.95
83 YX 031-J. Metal Case for KG-250. 5 lbs. ONLY 3.95
83 YX 030-J. Oiled Walnut Case for KG-250. 5 lbs. ONLY 9.95

SPECIFICATIONS. Power Output: 20 watts continuous sine wave power. Response: ±1 db, 30-15,000 cps at 20 watts. Harmonic Distortion: Below 1.5% at 20 watts. Hum and Noise: Tuner, —65 db at 20 watts; Mag Phono, —50 db at 20 watts. Inputs: Magnetic Phono; Ceramic (or Crystal) Phono; Tuner; Auxiliary. Output Impedances: 4, 8, 16 ohms. Output Tubes: Four ECL82s.

**NO MONEY
DOWN**
Buys Any Kit of
Your Choice

knight-kit



Deluxe Styling Includes Front Panel of Solid, Extruded Aluminum for a "Professional Look".



Dual-Concentric Clutch-Type Control Varies Channel Volume Separately or Simultaneously.



A Single Switch Selects Inputs as well as Stereo, Stereo Reverse, or Monophonic Operation.

New KG-50 Stereo Multiplex FM-AM Tuner Kit Featuring the Latest in Circuit Design

- Enjoy Flawless Reception of Every Type of Broadcast—Exciting Stereo FM, Wideband Conventional FM and AM
- Pre-Assembled and Pre-Aligned FM Front End
- Tuning Eye and AFC Assure Peak Reception at All Times
- Automatic Stereo Indicator Light on Front Panel

Only
\$69⁹⁵
Less Case

The high-styled KG-50 packs a wealth of deluxe features to introduce a new level of performance to popular-price tuners. Its ultra-modern circuit brings you panoramic stereo FM that literally surrounds you with sound, conventional FM, and the news, sports and weather offered on AM. Wonderfully easy assembly and performance equaling that of expensive factory wired units is assured by a *pre-wired* FM front end, pre-tuned IF coils, and neat point-to-point wiring. Also: low-impedance cathode-follower outputs; special recording outputs with built-in 38-kc filters for flawless stereo taping; FM-AM tuning eye; edge-lit dial; and rear-panel channel separation control. FM circuit includes RF stage, 2 IFs, wideband ratio detector and AFC for stable, static-free hi-fi performance. AM circuit has a 10-kc IF bandwidth for maximum fidelity. 8 tubes, including compactron and rectifier. With wire, solder, easy instructions. 4 1/8" (plus 5/8" legs)x13 1/8"x7 3/4". Less case. For 110-125 v., 60 cycle AC. Shpg. wt., 9 1/2 lbs.

- 83 YU 720-J. \$5 Monthly ONLY 69.95
83 YX 019-J. Metal Case for KG-50. 5 lbs. ONLY 3.95
83 YX 018-J. Oiled Walnut Case for KG-50. 5 lbs. ONLY 9.95

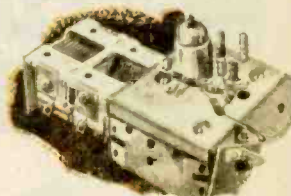
FM SPECIFICATIONS. IHFM Sensitivity: 3 μv for 30 db of quieting. Response: ±1 db, 50-15,000 cps. IF and Detector Bandwidth: 200 kc. Hum and Noise: 40 db below 1 v. Channel Separation: 30 db. Antennas: Built-in, plus 300-ohm twin-line unit. **AM SPECIFICATIONS.** Sensitivity: 3 μv for 10 db s/n ratio. IF Bandwidth: 10 kc. Hum and Noise: 40 db below 1 v. Antenna: Ferrite loopstick.

**MONEY-BACK
GUARANTEE**
You Must Be
Satisfied

knight-kit



Panel Light Flashes On Whenever Stereo Is Being Received

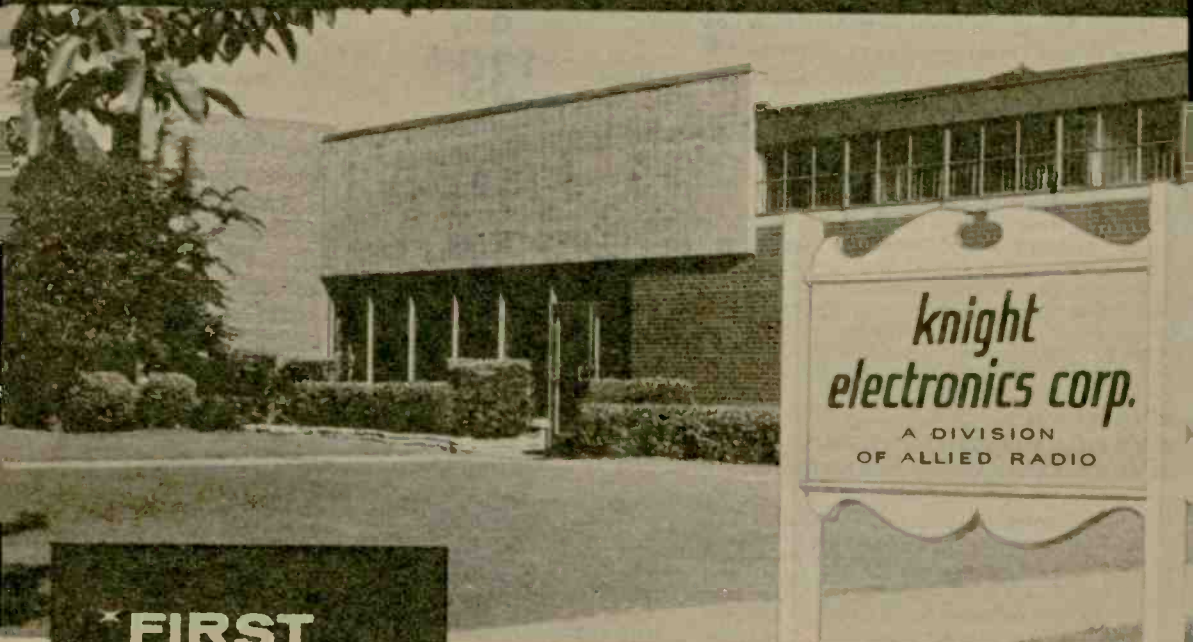


FM Front End Is Both Pre-Wired and Aligned for Perfect Operation.



Advanced Circuitry Includes G.E. Compactron—Does the Work of FOUR Tubes!

knight-kits®...unmatched for



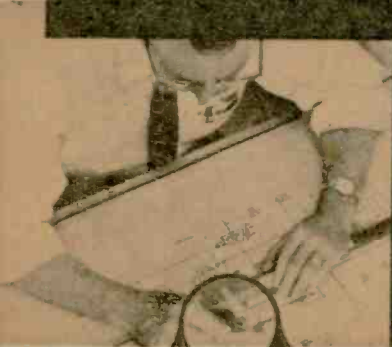
* **FIRST**
in experience

* **FIRST**
in newest design

* **FIRST**
in research

* **FIRST**
in dependability

In this spacious, ultra-modern plant in Maywood, Illinois, staffs of designers, engineers, technical writers, draftsmen, illustrators, purchasing specialists, production, and quality control experts conceive, design, produce and market Knight-Kits. Continually, new ideas, modern engineering techniques and the finest quality materials flow into this plant. Our goals: To bring you the highest quality electronic equipment . . . To assure you of the easiest assembly . . . To provide you with substantial savings.

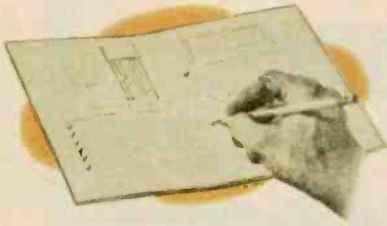


From drawing board to finished product, each Knight-Kit is the product of an experienced organization, devoted exclusively to providing you with the finest electronic equipment in easy-to-build kit form. Every Knight-Kit

faces rigid inspection and unyielding standards of quality control. Each new kit is thoroughly field tested. This careful attention to detail is the reason for Knight-Kit's reputation for finest quality and dependability.

performance and value anyone can build them

ONLY KNIGHT-KIT GIVES YOU ALL OF THESE IMPORTANT EXTRAS THAT MAKE YOU A KIT-BUILDING EXPERT THE VERY FIRST TIME



"CAN'T MISS" INSTRUCTIONS. You always know where you are with these expertly written step-by-step instructions. In addition, there are large diagrams and pictures. There's no guesswork!



CARDED RESISTORS. No technical knowledge required. All resistors are mounted on cards—each with an identifying number. You just remove the resistor specified in the manual. Easiest way ever!

Identified Parts

Values are clearly marked on all capacitors and other components for instant identification. No previous kit-building experience or knowledge of electronics is required with Knight-Kits.

Quick-Set Solder

With your Knight-Kit, you receive Eutectic solder. Ideal for kit-building, it passes directly from molten to solid state—helps prevent "cold" solder joints.



ALL WIRE PRE-CUT AND COLOR-CODED. No measuring and no untangling. All wire has been cut to the length required, stripped, tinned and color-coded. It's the height of do-it-yourself convenience!



ONE-YEAR WARRANTY ON ALL PARTS. All parts supplied with your Knight-Kit are of the finest quality. In addition, you're protected by our one-year warranty against defects in materials.

Pre-Punched Chassis

Heavily cadmium-plated chassis have all holes pre-punched. Sockets, controls, and other parts fit perfectly in place. There's never any metal working or drilling necessary when you build a Knight-Kit.

Consulting Service

We'll be happy to answer your questions—either before selection or after your kit is completed—there's no charge for this service. You can also have your Knight-Kit checked at a nominal charge.

Buy any **knight-kit**®

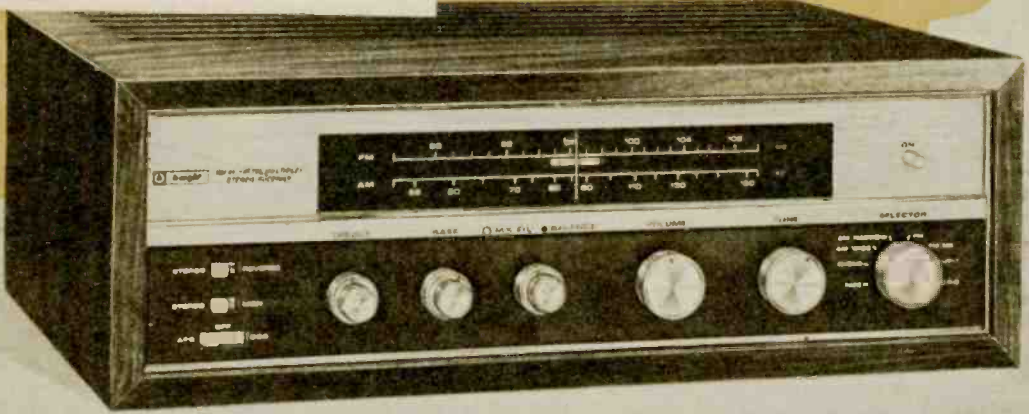


**"BUILD IT! USE IT!
YOU MUST BE SATISFIED...
OR YOUR MONEY IS REFUNDED!"**



knight-kit®

STEREO HI-FI



KU-45 Stereo Multiplex FM-AM Receiver Kit

Only
\$139⁹⁵

less case

- Excellent Sensitivity—2½ Microvolts Usable IHFM for 30 db Quieting
- Pre-Assembled and Pre-Wired Front End—Needs No Further Adjustments
- AFC and DSR Assure Drift-Free, Distortionless Stereo and Monophonic FM
- "Tuning Eye" Indicator Provides Easy Tuning on Both AM and FM Signals

INCLUDES THESE FINE CUSTOM FEATURES



Latest Style Pushbutton Off-On Switch

Eliminates resetting volume when unit is turned "On".



Bar Type Tuning "Eye"

For pinpoint tuning accuracy on both AM and FM signals.



8-Position Selector Control

Fingertip command of all modes and signal sources.

Here's everything you need in an exclusive "Audio Center" kit—priced right and with features never offered before in a unit of this type! On a single chassis you get: a 32-watt stereo amplifier; dual preamps for records and tapes with a full set of controls; FM-AM tuner; plus the very latest built-in stereo multiplex FM circuit! Add only speakers and stereo record changer or tape transport to have a complete stereo system of unexcelled quality. You'll get marvelous sound and the finest performance from this blue-ribbon winner each and every time you use it!

FM section highlights include: Automatic Frequency Control for "lock-in" tuning of stations; Dynamic Sideband Regulation to compensate for distorted or overmodulated FM station transmissions; pre-assembled, pre-aligned FM "front end" for quick, easy assembly with no critical adjustments, and rock-like stability, and precision multiplex circuitry for all the beauty and realism of FM stereo reception.

Amplifier section features: tapped-screen linear output for clean reproduction of sound across the entire audio range; full set of controls including tape recorder inputs and outputs; center channel output for a third stereo speaker or extension speaker; and 32 watts of continuous sine wave power output. Includes AM loopstick and FM folded-dipole antennas, all parts, tubes, wire, solder, instructions. Panel in satin gold and mocha brown. Less case, below. Size, 4¼x16½x13". For 110-125 v., 60 cycle AC. Wt., 39 lbs.

83 YU 993-J. \$7 Monthly. ONLY 139.95

83 YX 646-J. Metal Case. In Cordovan Gray. Wt., 5 lbs. ONLY 7.95

83 YX 021-J. Wood Case. In attractive walnut. Wt., 9 lbs. ONLY 14.95

SPECIFICATIONS

Amplifier Section—Power Output: 32 watts continuous sine wave. **Frequency Response:** ±1 db, 30 to 16,000 cps at full rated power. **Harmonic Distortion:** 1.0% at full rated power. **Hum and Noise:** —75 db or better in Tuner position. **Output Impedances:** 4, 8, 16 ohms each channel; 8 and 16 ohms center channel. **Tuner Section—FM Sensitivity:** 2½ microvolts usable IHFM for 30 db quieting. **IF Bandwidth:** 200 kc at 3 db down. **AM Sensitivity:** 3 microvolts for 10 db S/N ratio. **Tube complement:** 18 tubes, plus rectifier.



NEW

KG-320 32-Watt Transistor Stereo Amplifier Kit

Only
\$59⁹⁵

- No Warm-Up Required—Plays Instantly
- 14 Transistors and 4 Diodes Employed
- Better Than 35 db of Channel Separation
- Direct-Coupled Output—Uses No Output Transformers or Blocking Capacitors

less case

This brand new fully transistorized 16-watt per-channel stereo amplifier with advanced circuitry, gives you truly magnificent performance—will provide years and years of listening pleasure. Low in cost and extremely compact, the KG-320 amplifier offers a host of fine features: instant and cool operation, freedom from microphonics, functionally grouped controls, modern decorator styling, plus balance control for individual adjustment of the speakers and master volume control for overall level.

Uses genuine direct coupling between output stage and your speakers. No output transformers of DC blocking capacitors to mar faithful stereo reproduction. Features the Knight-Kit pioneered "Thermal Feedback" circuit that protects output transistors from overload, acts as a fuse device for your speakers, and helps maintain circuit stability at all times.

Has 5 pairs of inputs including tape head; separate ganged bass and treble controls; rugged printed circuit construction; tape recorder outputs; 2 switched AC outlets; and stereo-mono switch. Extruded aluminum panel is beautifully styled in Sierra Gold and black. With all parts, wire, solder, and detailed, step-by-step instructions. Size, 2 $\frac{3}{4}$ "x10x8 $\frac{1}{2}$ ". Less case, below. For 110-125 v., 60 cycle AC. Shpg. wt., 7 lbs.

83 YX 601-J. \$5 Monthly..... ONLY 59.95

83 YX 016-J. Wood Case. Attractive walnut. 5 lbs.... ONLY 9.95

83 YX 017-J. Metal Case. Cordovan Gray. 5 lbs..... ONLY 4.95

SPECIFICATIONS

Output Impedance: Matches 8 or 16-ohm load. IHFM Music Power Output: 32 watts. Frequency Response: 25 to 18,000 cps (± 1 db) at full rated power. Harmonic Distortion: 1% at full rated power. Hum and Noise: -77 db. Channel Separation: 35 db or better. Treble Boost and Cut: 10 db at 10,000 cps. Bass Boost or Cut: 10 db at 100 cps. Power Consumption: 10 watts with no signal.

EASY-TO-BUILD Knight-Kits are a world of fun to put together. Careful packaging and attention to detail, plus clearly identified parts make them a snap to assemble—even if you've had no previous electronic experience. You get the world's easiest-to-follow instructions, carefully written and clearly illustrated. Anyone can build a perfect Knight-Kit!



Purchase Knight-Kits on Allied's Credit Fund Plan

ALLIED 5



knight-kit

STEREO HI-FI

Finest Performance,
Up-to-Date Styling . . .
A Superior Value



KA-55 Deluxe 40-Watt Stereo Hi-Fi Amplifier Kit

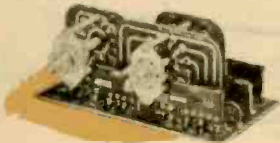
Only
\$79⁹⁵
\$5 monthly

- Custom Features Usually Found in Costlier Components
- Giant Array of Front-Panel Controls Puts You in Full Command
- Specially-Designed Full-Range Center Channel Speaker Output Permits Adding "Center-Channel" or Extension Speakers
- Modern Printed Circuit Construction For Assembly Ease

AMAZING VERSATILITY. Five pairs of stereo inputs including "Tape Head"—plus stereo recorder output—give complete flexibility.



SOLID EXTRUDED ALUMINUM PANEL. Beautifully styled in Desert Beige and Sand Gold.



PRINTED CIRCUIT SWITCHES AND "PACS." "PAC" resistor and capacitor units and convenient Knight-Kit printed-circuit switches insure fast, remarkably easy assembly.

For outstanding performance, years-ahead features, for styling of lasting beauty, the KA-55 represents an incomparable value. Easy to assemble, it delivers a full stereophonic output of 20 watts per channel, continuous sine wave power. Its fully integrated stereo preamplifier section accommodates every stereo or monophonic sound source. Amplifier section incorporates a specially-designed center-channel output—feed the full audio range to a center speaker and/or hook it up to extension speakers in other rooms.

Dual-concentric, clutch-type controls regulate bass and treble on either channel separately or on both simultaneously. Five pairs of stereo input jacks, including Magnetic Phono, Ceramic Phono, Tuner, Auxiliary and tape head. Has stereo balance control, mode switch that selects regular or reversed stereo, left or right channel alone or through both speakers.

Has tape recorder output jacks, rumble and scratch filters, loudness-volume control. You get step-by-step instructions and giant picture diagrams—fun to build even if you have had no electronic experience. Cordovan Gray metal cabinet, Desert Beige and Sand Gold front panel. With cabinet, all parts, wire and solder, instructions. 4 1/8" (plus 3/8" legs)x15 1/2"x11 1/8". Knobs extend 1 1/2". For 110-125 v., 60 cycle AC. Wt., 26 lbs.

83 YU 774-J. \$5 Monthly. ONLY 79.95

SPECIFICATIONS

Power Output: 40-watts continuous sine wave. **Response:** ±1 db, 25-28,000 cps at full rated output. **Distortion:** Harmonic, less than 0.75% at full rated output; IM, less than 1.0%. **Hum and Noise:** Tuner Input, -77 db; Magnetic Phono Input, -55 db. **Inputs (5 pairs):** Tape Head (NAB), Magnetic Phono, Ceramic Phono, Tuner and Aux. **Sensitivity:** Tape Head (NAB) and Magnetic Phono (RIAA), 2.2 mv; Ceramic Phono, 300 mv; Tuner, 300 mv; Aux., 700 mv. **Feedback:** 38 db negative each channel. **Impedances:** 4, 8, and 16 ohms each channel; 8 and 16 ohms center channel. **Tubes:** 2—6EU7; 2—12AX7; 2—6CM8; 4—69T3; GZ34 rectifier.



KF-90 Wideband Stereo Multiplex FM-AM Tuner Kit

Only
\$99⁹⁵
 \$5 monthly

- Fully Equipped Multiplex Circuit—Nothing Else for You to Buy
- 1½ Microvolt Usable IHFM Sensitivity
- Variable AFC Provides Drift-Free "Lock-In" Tuning
- RF Coils and IF Transformers are Factory Pre-Aligned
- "Stereofinder" Dimension Control Locates Stereo Broadcasts

Deluxe built-in multiplex circuit, improved wideband FM circuit, *variable* AFC, superb DSR circuit, precise "magic eye" tuning indicators—all this in an FM-AM tuner that you can easily build—and at a price so low that it's hard to believe. You'll love the dazzling brilliance of stereo multiplex FM, as well as the sparkling high fidelity of conventional FM broadcasts, and the sensitive reception of your favorite AM programs.

And, thanks to the KF-90's "stereofinder," you never have to guess when a station is transmitting FM stereo. Handy, front-panel Dimension control is turned counter-clockwise for "stereofinder" function—and only picks up stereo broadcasts in this position. Once you're tuned to stereo, just turn the control clockwise, and you're all set for breathtaking stereo FM.

With Allied-pioneered Dynamic Sideband Regulation, the KF-90's FM section sets new standards in distortion-free reception. A form of inverse feedback, DSR reduces to insignificance distortion caused by overmodulation at the

station. Wideband circuit is dual limiter-discriminator type—provides extremely high sensitivity. AFC assures drift-free listening—adjusts for tuning weak signals adjacent to strong ones. Customized AM section offers high sensitivity, plus choice of narrow and wide IF bandwidth for sharp or broad tuning. Also has 10-kc whistle filter and built-in loopstick antenna. All circuitry on the KF-90 is on printed circuit boards for fastest, easiest assembly. RF and IF transformers are carefully sweep-aligned at the factory.

Cathode-follower-type outputs have individual level controls. Moving bar-type "magic-eye" tuning indicators and weighted flywheel make "dialing" the KF-90 a pleasure. Styling matches Knight-Kit KA-95 and KA-55 Stereo Amplifiers, KP-50 Stereo Preamp and KP-70 Tape Preamp. Cordovan Gray steel case—extruded aluminum panel in Desert Beige and Sand Gold. With wire, solder, step-by-step instructions. 4 ½ (plus ½" legs) x 15 ½ x 16 ½". Knobs extend 1 ¼". For 110-125 v., 60 cycle AC. 29 lbs.

83 YU 914-J. \$5 Monthly..... ONLY 99.95

KS-11 MULTIPLEX ADD-IN ADAPTER KIT

Builds Into Knight-Kit Deluxe Hi-Fi Tuners (83 YU 731/83 YU 732) for conversion to FM stereo. Printed circuit board construction. Takes power from your tuner. 3 tubes, all parts, instructions. 3 lbs.

83 YX 907-J..... ONLY 17.95

SPECIFICATIONS

FM Sensitivity: 1 ½ microvolt usable IHFM sensitivity for 30 db quieting. **IF Bandwidth:** 200 kc at 50% down on curve. **Hum and IF Noise:** 60 db below 1 volt. **AFC Pull-In:** ±150 kc, variable. **Image Rejection:** 60 db. **Frequency Response without De-emphasis:** Essentially flat from 20-20,000 cps. **Multiplex Channel Separation:** 30 db; **Storecast Signal Suppression:** 60 db or better. **AM Sensitivity:** 3 microvolts for 10 db S/N ratio. **10-Kc Whistle Filter:** 40 db rejection. **Hum Level:** 60 db below 1 volt. **Frequency Response:** Narrow—20 to 7,000 cps, 6 db down at 3.5 kc. Wide—20 to 10,000 cps, 6 db down at 6.5 kc.

When You Buy at Allied Your Satisfaction Is Guaranteed

ALLIED 7



knight-kit®

STEREO HI-FI



WITH CASE

Model KA-95 70-Watt Stereo Hi-Fi Amplifier Kit

Only
\$119⁹⁵

\$6 monthly

CUSTOM FEATURES



Printed Circuit Switch. Just snap into PC board—solder—and it's done.



Tape-Source Monitor. Selects playback from tape or from sound source—lets you hear your tape while you are recording!



Dual Concentric Bass and Treble Controls. Ganged clutch-type tone controls permit you to adjust each channel separately or both channels simultaneously. Let you correct for differences in speaker response, as well as room acoustics.

- Ideal As the "Heart" of a Super-Power Home Music System
- Six Pairs of Stereo Input Accommodate Every Music Source
- Clutch-Type Dual Concentric Bass and Treble Tone Controls
- DC on All Preamp Input Tube Filaments For Minimum Hum
- Independent Tape Inputs and Outputs on Each Channel

A masterpiece of brilliant engineering, the mighty KA-95 includes every feature necessary for maximum flexibility and finest stereo reproduction. Another truly outstanding value—in easy-to-assemble, money-saving Knight-Kit form. Its flexible preamplifier section has stereo "Blend" control that lets you electronically "move" your speakers together or apart for optimum stereo. Has special "center-channel" speaker output—also permits hookup of remote speakers. Two switches let you phase all channels to one another.

Six pairs of stereo inputs accommodate every music source. Clutch-type concentric bass and treble controls let you individually or simultaneously adjust channels for the tone you desire. Has single-knob "Balance" control, stereo tape inputs and outputs. "Source-Tape" monitor switch permits comparison of recording with input signal.

Also: Tape Head equalization; input paralleling switch for playing mono records; RC rumble and scratch filters; ganged master volume control switches to loudness control; tuner level set controls; low noise resistors in critical circuits; high sensitivity at Phono and Tape Head inputs; DC on all preamp filaments. Panel markings permit simple operation. Handsome steel case in Cordovan Gray with heavy, extruded aluminum panel in Beige and Gold. With wire, solder, easy-to-follow instructions. 4 1/8" (plus 3/8" legs)x17 1/2"x13 1/2". Knobs extend 1 1/8". For 110-125 v., 60 cycle AC. 31 lbs.

83 YU 934-J. \$6 Monthly. ONLY 119.95

SPECIFICATIONS

Output: 70-watts sine wave. Response: +0.5 db, 20-30,000 cps @ 70 watts. Distortion: Harmonic, 0.5% @ 70 watts; IM, below 1.0% @ 70 watts. Hum & Noise: High Level inputs, 85 db below 70 watts; Mag. Phono Input, 55 db below 70 watts. Inputs: (6 pairs) Tape Head; Mag. Phono; Cer. Phono; Tuner; Aux.; Tape. Outputs: 4, 8, 16 ohms; 8, 16 ohms center. Tubes: 2 each—12AY7, 7025, EF86, ECC83, GZ34 rec.; 4—EL34.

enjoy the thrill of
living STEREO FM
—with Knight-Kits.



WITH CASE

Model KF-75 Stereo Multiplex FM Tuner Kit

Only
\$84⁹⁵
\$5 monthly

**OFFERS YEARS AHEAD
DELUXE FEATURES**



"STEREOFINDER"

Finds stereo broadcasts for you. Turn Dimension control counter-clockwise, tune—you only hear stereo signals—now turn control clockwise and adjust for most pleasing sound.



"Magic-Eye" Tuning. For pin-point accuracy. A moving bar of light glides across the dial—closes to a slit on perfectly tuned station.

- Offers 1½ μ v Sensitivity IHFM for Greater-Than-Ever "Pull-In" Power
- Built-In Multiplex Circuitry Provides Thrilling Stereo FM Reception
- Continuously Variable AFC Gives Absolutely Drift-Free Performance
- Exclusive Dynamic Sideband Regulation Effectively Reduces Distortion
- STEREOFINDER Dimension Control Helps You Find Stereo Broadcasts

A deluxe FM tuner, fully equipped for breath-taking stereo multiplex FM reception. Multiple circuitry provides sparkling high fidelity stereo with excellent channel separation; brilliant reception of monophonic FM broadcasts, too. 1½ μ v IHFM useable sensitivity gives you greater-than-ever "pull-in" power—terrific for fringe areas where signals are weak.

Unique STEREOFINDER helps you locate stations broadcasting stereo FM. Turn Dimension Control counter-clockwise for STEREOFINDER function—tune across FM band for multiplex signal—its the only one you'll hear—then turn control clockwise and you're set for superb stereo reception. Dimension Control adjusts channel separation for optimum stereo effect. Other features: Dynamic Sideband Regulation for distortion-free reception; AFC for drift-free listening. All circuitry is on printed circuit boards for fast, easy assembly. RF and IF transformers are factory pre-aligned. Cathode-follower outputs have individual level set controls. All this in one self-contained, beautifully-styled tuner.

SPECIFICATIONS: Sensitivity: 1½ μ v IHFM for 30 db quieting. Response: 50-15,000 cps. Separation: 30 db. Bandwidth: 200 kc. Hum & Noise: 60 db below 1 v. With same handsome case and extruded aluminum panel as Model KA-95 Stereo Amplifier Kit on opposite page. 4½" (plus ¾" legs)x15½"x15". Knobs extend 1¼". For 110-125 v., 60 cycle AC. 26 lbs.

83 YU 918-J. \$5 Monthly. ONLY 84.95

KS-11 Add-In Multiplex Adapter Kit for 83 YU 731 and 83 YU 732 Tuners

Only
\$17⁹⁵

Calling all owners of Knight-Kit Deluxe FM and FM-AM Tuners! Here's easy "inboard" conversion to stereo Multiplex FM—and at a cost so low it's hard to believe. This complete adapter uses a single, printed-circuit board chassis—builds right into your monophonic tuner quickly and easily. Takes power from tuner. 3 lbs.

83 YX 907-J. ONLY 17.95



For Knight-Kit
Deluxe Tuner Kits

Knight-Kits Are Guaranteed to Meet With Your Satisfaction

ALLIED 9



knight-kit
HIGH FIDELITY



NEW!

KG-400 32-Watt Stereo Amplifier Kit

Only
\$59⁹⁵
less case

YOU GET THESE SUPERIOR
FEATURES AT NO EXTRA COST



Tape Head Inputs provide proper NAB equalization when playing tape deck through amplifier.



Extruded Aluminum Panel harmonizes with any decor. For cabinet or recessed mounting.



4-Position Selector Knob provides quick selection of desired stereo input.

- Independent Tape Inputs and Outputs on Each Channel
- DC on All Preamp Tube Filaments for Negligible Hum
- Ganged Bass and Treble Controls for Easy Adjustment
- Center Channel Output for Extension Speaker

Presenting an updated version of a hi-fi masterpiece—sure to be enthusiastically received by budget conscious do-it-yourselfers. Capable of strikingly pure reproduction, the KG-400 delivers 16 watts of continuous sine wave power per channel for a total of 32 watts of stereo power output. Two fully integrated preamps provide precise RIAA equalization for all magnetic cartridges. Also incorporates stereo inputs for ceramic cartridge, tuner, tape head, plus auxiliary source. Versatile controls give you full command of stereo and monophonic reproduction with unexcelled ease and precision.

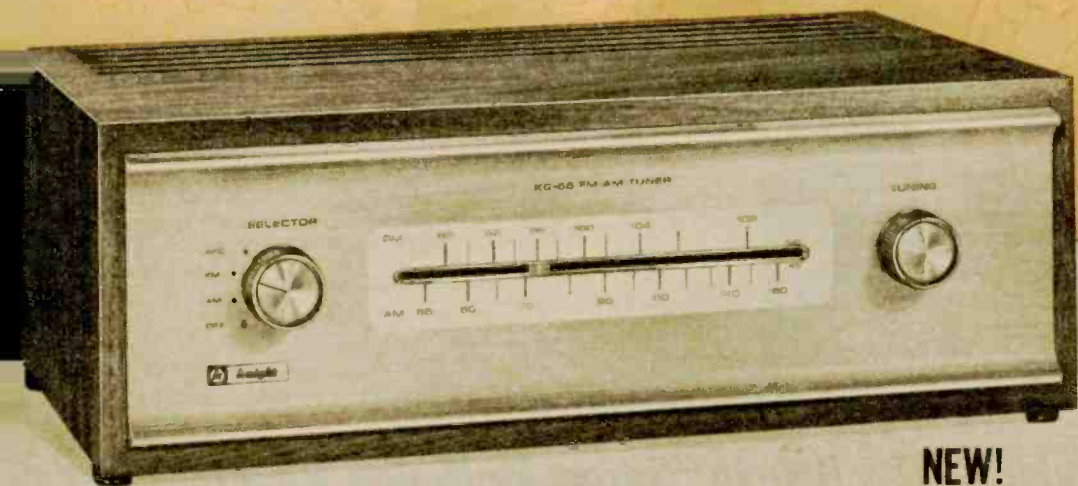
A center channel output permits adding additional speakers for sound throughout the home, or for reinforcing stereo effect with center speaker when using widely spaced stereo speakers. Additional features: Ganged bass and treble controls that boost or attenuate both channels simultaneously for simple adjustment of tonal quality to precisely suit your taste; single-knob control for optimum channel balance; slide switch for paralleling channels when playing monophonic discs; DC preamp filaments for minimum hum and noise; and noise; and tape recorder outputs unaffected by volume and tone controls.

Has two accessory AC outlets, one switched on and off with amplifier. Comes with lustrous platinum /yellow gold panel—harmonizes beautifully with any decor. Less cabinet, below. 4 1/2 x 14 3/4 x 11 3/4". Includes all parts, wire, solder, and instructions. For 110-125 v., 60 cycle AC. Wt., 24 lbs.

- 83 YU 413-J.** \$5 Monthly **ONLY 59.95**
83 YX 023-J. Wood Case. Attractive walnut. 5 lbs. **ONLY 9.95**
83 YX 024-J. Metal Case. Cordovan gray finish. 5 lbs. **ONLY 3.95**

SPECIFICATIONS

Power Output: 32 watts continuous sine wave. **Frequency Response:** ±1 db from 30 to 16,000 cps each channel at full rated power. **Harmonic Distortion:** less than 1% at full rated power. **Hum and Noise:** better than 75 db per channel below full output at high level inputs; 52 db per channel below full output at magnetic phono input with 10 mv input reference signal; better than 45 db per channel below full output at tape head input with 10 mv signal.



NEW!

Model KG-65 Economy Hi-Fi FM-AM Tuner Kit

Only
\$49⁹⁵
less case

- No-Drift AFC Circuit Securely "Locks-In" FM Stations
- Pre-Aligned RF and IF Coils—No Further Adjustments
- Multiplex Output Jack for Easy Addition of Stereo FM Adapter
- Compact Size—Beautifully Styled Panel—Easy to Build

Get genuine hi-fi performance at far less cost than comparable factory-wired tuners! The KG-65 offers amazingly sensitive FM and AM reception on a single, compact chassis. It's easily the finest tuner in its class! Among the many stand-out features are: AFC circuit that "locks in" FM stations to prevent annoying drifting—plus AFC Defeat that allows you to tune weak stations adjacent to strong ones; cathode-follower output that lets you run a long lead to your amplifier without high-frequency loss; plus heavy flywheel tuning for gliding effortlessly from station to station. Multiplex output jack equips set to receive FM stereo whenever you add an adapter (see Knight-Kit KG-12 in this section). Easy-to-build, printed circuit construction. Has beautiful platinum/yellow gold panel. 4 1/4"x13 1/4"x8". With all parts, instructions. Less case, below. For 110-125 v., 60 cycle AC. Wt., 13 lbs.

83 YX 315-J. \$5 Monthly **ONLY 49.95**
83 YX 018-J. Wood Case. Attractive walnut. 5 lbs. **ONLY 9.95**
83 YX 019-J. Metal Case. Cordovan gray finish. 5 lbs. **ONLY 3.95**

SPECIFICATIONS

IHFM FM Sensitivity: 4 μ v for 30 db quieting. Hum and IF Noise: 60 db below 1 volt. IF Bandwidth: 200 kc at 50% down on curve. Image Rejection: 60 db.

Frequency Response: 20-20,000 cps without de-emphasis.

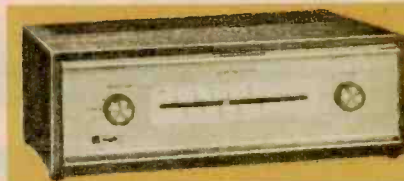
AM Sensitivity: 3 microvolts for 10 db S/N ratio. IF Bandwidth: 8 kc at 50% down on curve. Hum Level: -60 db. Image Rejection: 20 db. Response: 20 to 8000 cps.

New! KG-35 Hi-Fi FM Tuner Kit

For high-fidelity FM at a price anyone can afford—for outstanding performance and top-quality components—the number one choice is the KG-35 tuner kit. Designed for assembly ease, this tuner uses a 7 tube circuit for extra-clean, first-rate FM reception. Features: modern printed circuit construction; automatic frequency control (AFC) for "lock-in", drift-free tuning; pre-aligned RF and IF transformers; effortless flywheel tuning; cathode-follower main output; multiplex adapter output for FM stereocasts (see Knight-Kit KG-12 in this section). Decorative platinum/gold panel. Less case, uses same as KG-65 above. For 110-125 v., 60 cycle AC. 13 lbs.

83 YX 408-J. \$5 Monthly **ONLY 35.95**

Only
\$35⁹⁵
less case



SPECIFICATIONS

IHFM Sensitivity: 4 μ v for 30 db quieting. IF Bandwidth: 200 kc at 50% on curve. Image Rejection: 40 db with 10 microvolt signal. Hum Level: -45 db below 1 volt. Frequency Response: 20-20,000 cps, \pm 1/2 db. Output Impedance: 3000 ohms (cathode-follower). Distortion: 0.6%.

Make Your Knight-Kit Purchase on Our Credit Fund Plan

ALLIED 11



knight-kit®

HIGH FIDELITY



NEW!

Model KG-12 Deluxe Stereo Multiplex Adapter Kit

Only
\$29⁹⁵
\$5 monthly

- Stereo Indicator Bar Automatically Lights During Multiplex Broadcasts
- Front Panel Separation Control for Adjusting for Optimum Stereo Effect
- Compatible With Most Wideband Tuners; Completely Self-Powered
- Incorporates Noise Filters and Tape Recording Filters



STEREO INDICATOR LIGHT

SEPARATION



SEPARATION CONTROL

SELECTOR



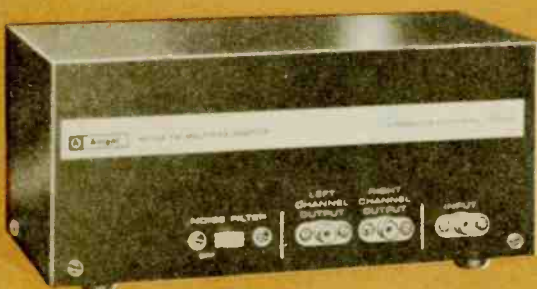
4 POSITION SELECTOR SWITCH

Thrill to the exciting depth and full richness of stereophonic FM broadcasts by using this deluxe multiplex adapter kit with your present wideband FM or FM/AM tuner. It's simple to build, and really easy to connect—detailed instructions show you the way. Then sit back and relax, you'll love the life-like realism of FM stereo sound. Positive identification of stations broadcasting multiplex is achieved by a front panel indicator which lights up and reads "STEREO" when stations are transmitting stereo FM. A front panel function switch allows you to completely bypass the adapter during conventional FM broadcasts. The KG-12 is self-powered and does not require any power from your tuner. Has built-in noise and tape-filters for best performance. 30 db separation; adjustable by panel control. Response, ± 1 db, 50-15,000 cps. 4 tubes, pilot light. Decorator-styled platinum/gold panel. With cables, wire, solder, instructions. Cordovan Gray case. $4\frac{3}{4} \times 6 \times 7\frac{1}{2}$ ". For 110-125 v., 60 cycle AC. 6 lbs. **83 YX 734-J. \$5 Monthly. ONLY 29.95**

Model KS-10A Low-Cost Stereo Multiplex Adapter Kit

Only
\$19⁹⁵

- Use With Any Wideband FM Tuner
- Self-Powered—Has Handy On-Off Switch
- Adjustable Stereo Separation Control
- Noise Filter for Fringe Area Reception



Enjoy a wonderful new dimension in FM listening—the breath-taking beauty of stereo multiplex reception. The KS-10A adapter kit, when used with any wideband FM tuner and stereo amplifier, provides sparkling hi-fi stereo with excellent 30 db channel separation. Easy-to-build, detailed instructions guide your every move, and show how to make tuner connections. Includes both separation control and noise filter for pleasing stereo effect and better fringe area reception. Self-powered, adapter may be installed out of sight. 3 tubes; 2 dual-purpose, 1 triple purpose. With all parts, wire, solder, cabinet. Size, $3\frac{3}{8} \times 8\frac{1}{2} \times 4$ ". For 110-125 v., 60 cycle AC. 4 lbs. **83 Y 656-J. \$5 Monthly. ONLY 19.95**



Model KM-20 Popular 18-Watt Hi-Fi Amplifier Kit

Only
\$39⁹⁵
 \$5 monthly

- Has 8 Inputs to Accommodate Virtually Every Sound Source Required
- Uses RCA 6973 High-Fidelity Audio Output Tubes for Top Performance
- Wide, Smooth, True Hi-Fi Frequency Response from 30-16,000 cps at 18 Watts
- Exclusive Printed Circuit Switch and Boards for Easy, Simplified Assembly

Get more for your hi-fi dollar in features, performance and styling with this blue-ribbon winner! The KM-20 amplifier is a perfect choice as the heart of any monophonic system—or as a splendid "add-on" unit for stereo. Delivers 18 watts of continuous power at an imperceptible 0.5% distortion; uses RCA 6973 high-fidelity audio output tubes for the best possible performance. Highlights include: separate recorder output for taping a program source independently of amplifier controls; equalized input for tape head; 4 high-gain inputs; 4 low-gain inputs; AC convenience outlet; 7 record equalization settings; and easy-to-use, simplified controls. Utilizes the famous Knight-Kit printed circuit selector switch and circuit boards for easy, pleasurable assembly. With attractive Cordovan Gray case and Desert Beige/Sand Gold panel. Size, 4 1/4 (plus 3/8" legs)x13 1/4x8". With all parts, tubes, wire, solder and complete assembly instructions. For 110-125 v., 60 cycle AC. Shpg. wt., 15 lbs.

83 YX 930-J. \$5 Monthly **ONLY 39.95**

SPECIFICATIONS

Rated Power Output: 18 watts continuous sine wave. **Frequency Response:** ±1 db, 30 to 16,000 cps at 18 watts. **Harmonic Distortion:** 0.5% at full rated power output. **Hum and Noise:** (Tuner) Better than 70 db below 18 watts. (Magnetic Phono) 52 db below 18 watts. **Sensitivity:** (Full output) Tape Head and Mag. Phono, 5 mv; Mic., 35 mv; Aux. and Tuner, 1.8 volts; Ceramic Phono, 0.5 volts; Tape, 0.4 volts. **Impedance:** 4, 8, 16 ohms

Model KM-15 Economy 12-Watt Hi-Fi Amplifier Kit

Only
\$19⁹⁵

- Push-Pull EL84 Output for Clean Sound
- Equalized Magnetic Input Plus Tuner
- Separate Bass and Treble Controls
- Exceptionally Low Distortion

Anyone can build it—everyone can afford it! Exceptionally compact yet custom-engineered for quality, the KM-15 represents a great hi-fi value. Features push-pull output; 15 db of inverse feedback for clean, true sound; inputs for magnetic phono and tuner; separate bass and treble for complete control of tonal color; minimum hum and noise (—65 db in Tuner position); and output for 4, 8, and 16 ohm speakers. An ideal choice for conversion to stereo, with another monophonic amplifier. With parts, wire, solder, instructions. Black finish. Less cover, below. 5x9 1/2x6". For 110-125 v., 60 cycle AC. 8 lbs.

83 Y 784-J. \$5 Monthly **ONLY 19.95**
 83 Y 783-J. Top Cover. Gray/Chrome. 2 lbs. . . **ONLY 3.95**



Buy Knight-Kits on Allied's Credit Fund Plan



knight-kit®

STEREO HI-FI



A "Best Buy" for the Budget-Minded Stereophile!

New Model KG-240 20-Watt Stereo Amplifier Kit

Only
\$29⁹⁵

less case

- Delivers 10-Watts Per Channel IHFM Music Power Output
- Accommodates Both Tuner and Ceramic Phono Sources of Signal
- Includes Ganged Bass and Treble Controls for Tonal Adjustments
- Dual Concentric Volume Control for Independent Channel Balancing

A solid value at an unusually low price, the new Knight-Kit KG-240 Amplifier Kit is heartily recommended for economy stereo home music systems. Two pairs of inputs are provided to accommodate ordinary sources of stereo sound—tuner and ceramic phono—which are easily selected by a front panel slide switch. Ganged bass and treble controls for both channels let you make tonal adjustments to suit your listening pleasure with ease and accuracy. A dual concentric volume control allows fast and simple channel balancing, and will compensate for the positioning of your speakers and room acoustics—provides the best stereo effect. All controls are front-panel mounted for utmost convenience. This top value amplifier uses quality ECL-86 tubes in push-pull circuitry for distortion-free

audio reproduction. Styled in platinum bronze, accented by a white escutcheon with black knobs and chrome trim. Fused transformer-type power supply. Size, 5x10x7". With all parts, tubes, wire, solder, instructions. Less cover, below. For 110-125 v., 60 cycle AC. Wt., 8 lbs.

83 YX 602-J. \$5 Monthly..... ONLY 29.95

83 Y 020-J. Metal Cover for Above. 2 lbs. ONLY 3.95

SPECIFICATIONS

Power Output: 10 watts per channel (IHFM). Frequency Response: $\pm 1 \frac{1}{2}$ db, 35 to 15,000 cps. Harmonic Distortion: 1.5% at 1 kc. Sensitivity: $\frac{1}{2}$ volt. Hum and Noise: 60 db below rated output. Separation: -35 db or better. Treble and Bass: -10 db at 15 kc, +10 db at 100 cps.

Budget-Priced Stereo System

Complete System **\$64⁹⁵** \$5 monthly

SAVE \$4.85 OFF COST OF INDIVIDUAL COMPONENTS PURCHASED SEPARATELY! Carefully chosen by Allied's audio staff to provide good stereo reproduction at exceptionally low cost. System Includes: Knight-Kit KG-240 Stereo Amplifier Kit (less cover); Admiral Ensign Record Changer With Ceramic Stereo Cartridge (less base); Two Knight KN-809 Full-Range 8" Speakers. Also included are all necessary interconnecting cables. Changer plays 4 speeds, 16 $\frac{1}{2}$, 33 $\frac{1}{2}$, 45 and 78 rpm. Intermixes 10" and 12" records. Speakers reproduce both highs and lows faithfully. Shpg. wt., 30 lbs.

22 HF 034-J. \$5 Monthly..... ONLY 64.95

73 RX 062C-J. Wood Base for Changer. In mahogany, limed oak or walnut. Specify finish. Wt., 4 lbs. ONLY 4.49

Knight-Kit KG-240 Stereo Amplifier Kit with Optional Top Cover

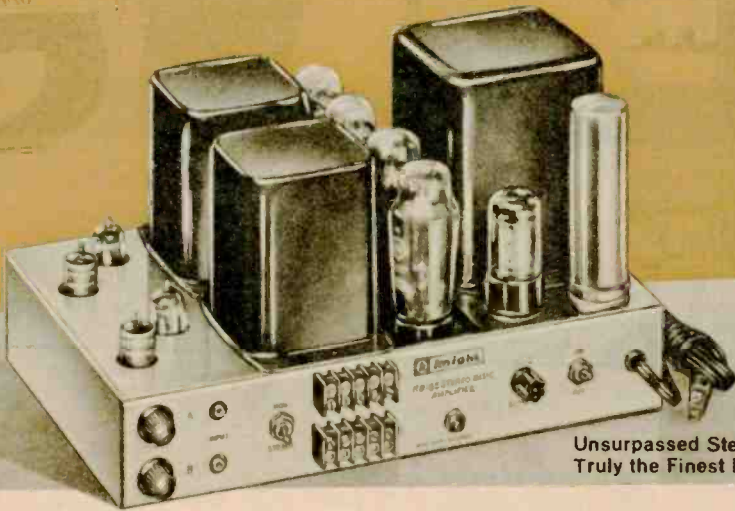


Admiral Ensign Changer with Stereo Cartridge

Two Knight KN-809 8" Speakers



Reduced \$14.55
From Last Year's
Catalog



Unsurpassed Stereo Hi-Fi Quality—
Truly the Finest in Its Class

Model KB-85 70-Watt Stereo Basic Amplifier Kit

Only
\$69⁹⁵

new low price

- Extremely Wide Frequency Response Even At Full Rated Power Output
- Tremendous Reserve Power—Excellent for Use With Low-Efficiency Speakers
- Unexcelled Design; Premium-Quality Parts; Gleaming Chrome Chassis
- Highly Sensitive—0.54 Volts per Channel Produces Full 70 Watt Level

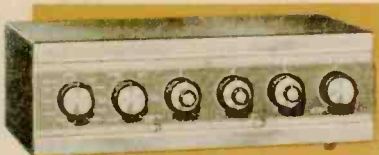
A superb stereo basic amplifier that meets the most critical professional requirements. Its powerful 70 watts continuous power output makes it ideal for use with high-compliance, low-efficiency speaker systems as well as all good-quality, high-efficiency speakers. Highlights include: low-noise resistors in all critical circuitry; 35 db of negative feedback per channel for flawless sound; superior quality high-fidelity output tubes; monophonic changeover switch. Uses 2 printed circuit boards for easy, accurate assembly. Chassis in chrome and black. With wire, solder, instructions. Less cover, below. 8 1/2"x14"x9". For 110-125 v., 60 cycle AC. 39 lbs.

83 YU 618-J. \$5 Monthly..... **ONLY 69.95**
83 YX 779-J. Metal Cover. Wt., 5 lbs..... **ONLY 6.50**

SPECIFICATIONS

Rated Power Output: 70 watts continuous sine wave. **Frequency Response:** ± 0.5 db, 15 to 31,000 cps at full rated power. **Distortion:** Harmonic, 0.25%; Intermodulation, 0.15%; both at full rated power. **Hum and Noise:** 90 db below full rated output per channel. **Input Sensitivity:** 0.54 volts for full rated power. **Output Impedances:** 4, 8, 16, and 32 ohms, each channel. **Damping Factor:** 17.4 to 290, stereo connected. **Controls:** Level A; Level B; Stereo-Monophonic Switch; Monophonic Gain Balance Test Switch; Off-On; and Cathode Current Balance (2). **Tubes:** 2—EF86/Z729/6267; 2—ECC83/12AX7/7025; 4—EL37; 2—GZ34/5AR4 rectifiers. **Power Consumption:** 280 watts.

Model KP-50 Deluxe Stereo Preamplifier Kit



Only **\$59⁹⁵** \$5
monthly

new low price

This Integrated Control Is A
Perfect Mate For the KB-85
Basic Amplifier, Above

This deluxe, easy-to-build preamp kit offers every facility for the ultimate in stereo or monophonic sound. Has 5 pairs of inputs; dual-concentric controls for separate or simultaneous adjustment of bass, treble and level on both channels; DC filaments and shielded power supply; channel reverse; recorder outputs independent of volume and tone controls; LC-type scratch filters; rumble filters; and low-noise, premium-type tubes. Also cathode-follower outputs, and 2-AC convenience outlets. 4 1/4" (plus 1/2" legs)x13 1/4"x7 1/2". Cordovan Gray case, Beige/Gold panel. For 110-125 v., 60 cycle AC. 14 lbs.

83 YX 768-J. \$5 Monthly..... **59.95**

SPECIFICATIONS

Frequency Response: $\pm 1/2$ db, 7 to 120,000 cps at tuner input; $\pm 1/2$ db, 10 to 80,000 cps at mike input. **Harmonic Distortion:** Less than .15%, 20-20,000 cps at 1 volt output. **IM Distortion:** Less than .7% at 1 volt output. **Hum and Noise:** Tuner, 80 db below 1 volt; Phono, 60 db below 1 volt. **Bass and Treble Controls:** Boost or attenuate 15 db at 20 cps and 20,000 cps respectively. **Crosstalk Between Channels:** -45 db or better. **Sensitivity for 1 Volt Output Per Channel:** Tape Head and Magnetic Phono, 2.5 millivolts; Ceramic Phono, 70 millivolts; Tuner, 150 millivolts; Auxiliary, 500 millivolts.



knight-kit®

STEREO HI-FI



Model KP-70 Stereo Tape Record-Playback Preamp Kit

PACKED WITH FEATURES

PROFESSIONAL QUALITY AT AMAZINGLY LOW COST



"SOUND-ON-SOUND"

Accompany yourself in a duet. Special switching permits duplicating recordings from channel to channel—adding another "part" each time.



"ECHO-CHAMBER"

Professional-type echo chamber effect may be switched in at any time to enhance your recordings. No external cable patching is necessary.



CALIBRATED VU METERS

High-quality VU meters permit proper recording level adjustment. Provide accurate readings of both record and playback level at all times. 2-color scales are calibrated -20 to +3 db.

Only

\$89⁹⁵

\$5 monthly

- Recording and Playback With Any Tape Transport
- Separate, Dual-Channel Record and Play Pre-amps
- "Sound-on-Sound" and "Echo Chamber" Effects
- Ultra-Flexible—Adjusts to Match Any Tape Head

Famous for its superb performance and sensational array of features, this ultra-flexible preamp provides high-fidelity playback and recording with any stereo tape transport. Its broad response covers the range from the lowest bass notes through the highest overtones of any musical instrument. Can be used for 2 or 3-head operation—with 3-head transports, such as the Knight KN-4000, you can create studio effects—"echo chamber," "sound-on-sound," etc.

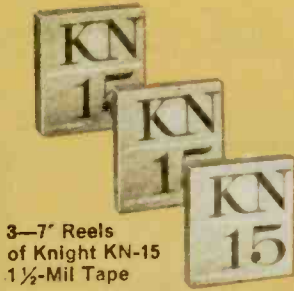
The KP-70 has dual, concentric, clutch-type level controls for mike and auxiliary inputs, and for playback. Panel switch selects equalization for either 7½ or 3¾ ips on both record and playback modes. Mike and aux inputs (tuner, etc.) can be mixed on each channel for truly professional recordings. A-B monitor switch permits comparison of tape and source.

Aluminum panel is styled in Desert Beige and Sand Gold. With instructions, all parts, wire and solder. Less case, below. Size: 4¼ (plus ¾" legs)x15½x9½". For 110-125 v., 60 cycle AC. Supplied for 3-head operation—2-head operation requires switch listed below. Shpg. wt., 15 lbs.

- 83 YU 916-J. **ONLY 89.95**
- 83 YU 559-J. As above, but factory wired. For 2 and 3 heads. **ONLY 139.95**
- 83 YX 936-J. Cordovan Gray Metal Case for KP-70. 5 lbs. **NET 4.95**
- 95 DU 575-J. Portable Carrying Case. For Knight-Kit KP-70 and Knight KN-4000 Tape Transport. Cream and brown. 20x16½x11½". 15 lbs. **NET 24.95**
- 83 Y 940-J. 2-Head Switch. 4 oz. **NET 1.95**

SPECIFICATIONS

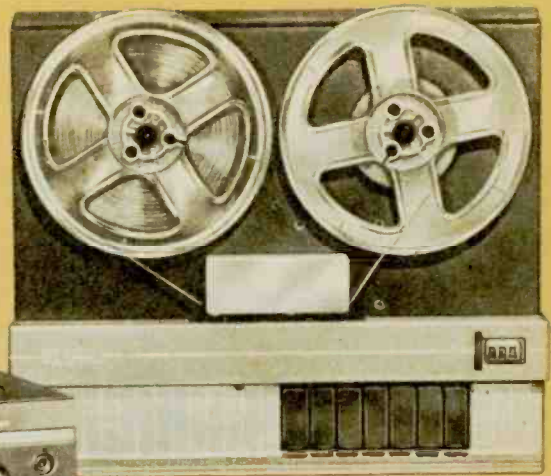
Response (Independent of transport): ±2 db, 18-22,000 cps. Harmonic Distortion: Recording sections, less than 0.3% at max. recording level; playback sections, less than 0.3% at 2v. output. Input Sensitivity (for max. record level): 0.5 mv at mike inputs; 80 mv at aux inputs. Equalization: NAB at 7½ ips (playback). Internal adjustment permits matching any recording head to produce NAB equalized tapes. Separate equalization for 3¾-ips recordings. Bias Oscillator: 65 kc (voltage or current internally adjustable to match any head). Record Head Current: Adjustable to match any head.



3—7' Reels
of Knight KN-15
1 1/2-Mil Tape



Informative
Tape
Booklet



KN-4000 Deluxe Push-
Button Tape Transport



Knight-Kit KP-70 Record/Playback
Preamp

Complete Professional Stereo Tape Recording Systems

OPTIONAL EXTRAS Listed in Systems at Right



Tape Splicing, Editing,
Cleaning and Care Kit



Knight KN-4500
Dynamic Microphones



PORTABLE CARRYING CASE

Durable wood case for systems at right. Fabrikoid cream and brown finish. 20x16x11 1/2". Shpg. wt., 15 lbs.

95 DU 575-J. NET 24.95

SAVE ON THESE DELUXE COMBINATIONS

- As Low As **\$215⁹⁵**
- Full 4-Track Stereo and Monophonic Taping Facilities
 - Transport has Three Heads, Three 4-Pole Motors
 - Preamp has a Top-Versatility Control Complement
 - Double Savings on Systems With Preamp in Kit Form
- \$11 monthly

SYSTEM NO. 1—BASIC SYSTEM. Save \$11.44 on components purchased separately. Everything you need for recording studio-quality, 4-track stereo and monophonic tapes. Plays tapes back through your stereo music system. Complete provision for "sound-on-sound" and "echo-chamber" effects. Just assemble the easy-to-build KP-70 preamp kit, and your taping system is ready to use.

The KP-70 Stereo Tape Record/Playback Preamp Kit matches the KN-4000 transport perfectly. It features a complete set of concentric, clutch-type level controls, dual VU meters and an A-B monitor switch. It is 4 1/8" (plus 3/8" legs) x 15 1/2" x 9". (See facing page for a complete description.)

The KN-4000 Deluxe Pushbutton Tape Transport features three separate heads, three heavy-duty 4-pole motors, and seven convenient "keyboard" controls to handle all functions. Includes positive DC dynamic braking, tape counter and automatic shutoff. 7 1/2" and 3 3/4" ips speeds. Size, 13 1/2" x 15 1/4" x 7". (See Knight section of catalog for a complete description.)

Both units are in Desert Beige and Sand Gold. With 3—1200-ft. reels of Knight KN-15 1 1/2-mil tape and tape booklet. For 110-125 v., 60-cycle AC. Preamp is supplied less case (see below). Shpg. wt., 44 lbs.

- 22 HF 035-J. **ONLY 215.95**
- 22 HF 036-J. No. 2. Above With Factory-Wired Preamp **ONLY 262.95**
- SYSTEM NO. 3. Basic system, plus high-fidelity stereo headset and splicing kit. Shpg. wt., 47 lbs.
- 22 HF 037-J. Save \$13.38 On Components Purchased Separately. **ONLY 249.50**
- 22 HF 038-J. No. 4. Above With Factory-Wired Preamp **ONLY 296.95**
- SYSTEM NO. 5. Basic system, plus high-fidelity stereo headset, splicing kit and two KN-4500 microphones. Shpg. wt., 55 lbs.
- 22 HF 039-J. Save \$15.83 On Components Purchased Separately. **ONLY 292.95**
- 22 HF 040-J. No. 6. Above With Factory-Wired Preamp **ONLY 339.95**
- 83 YX 936-J. Metal Case for KP-70. Shpg. wt., 5 lbs. **ONLY 4.95**

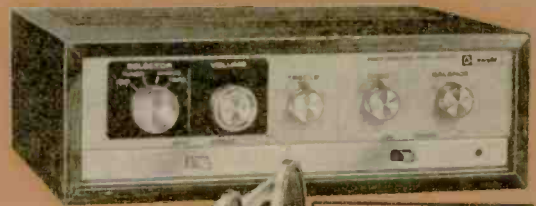


knight-kit®
STEREO SYSTEMS

32-Watt Stereo Hi-Fi Systems



Knight-Kit KG-320
Transistorized
Amplifier Kit



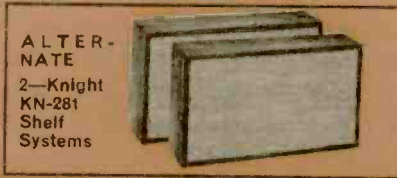
Transistorized
Knight-Kit
KG-320



Garrard Autoslim Base,
plus . . . 1 to these car-
tridges: (L to R) Empire
880, Shure M3D, Pickering
U38AT, Knight KN 505X



Two
Knight
KN-
820's



ALTE-
RNATE
2—Knight
KN-281
Shelf
Systems

ECONOMY STEREO HI-FI PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$51.39!

- System Price**
\$132.95
Less Case
- Individual Components Purchased Separately Cost Up to \$184.34
 - 820's Give 40-13,000 cps Response
 - Autoslim Gently Handles Records

Complete custom ensemble for thrilling stereo record listening, centered around the new Knight-Kit KG-320 All-Transistor 32-Watt Amplifier. KG-320 in easy-to-build kit form, utilizes 14 transistors, 4 diodes—no warmup time, virtually no heat or hum. System Includes: Knight-Kit KG-320 32-Watt Stereo Amplifier Kit; Garrard Autoslim Record Changer and Base; your choice of any one of four stereo cartridges: Empire 880, Shure M3D, Pickering U38AT, or Knight KN505X; plus two Knight KN-820 12" Hi-Fi Speakers. You get all cables for easy hook-up. Garrard Autoslim changer has quiet 4-pole motor. Knight KN-820 Speakers give smooth response. Less amplifier case, below. Changer base in mahogany, limed oak or walnut—specify. 33 lbs.

22 HF 003C-J. Specify Cartridge ONLY 132.95

ALTERNATE WITH SHELF-SPEAKER SYSTEMS

SAVE UP TO \$56.84 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. Includes components above with 2—Knight KN-281 Walnut Shelf-Speaker Systems in place of KN-820's; walnut changer base. Less amplifier case. 69 lbs.

22 HF 004-J. Specify Cartridge ONLY 193.50

Garrard AT-6, Base,
plus . . . 1 of these
cartridges: (L to R) Em-
pire 880, Shure M3D,
Pickering U38AT,
Knight KN-505X



Two
Knight
KN-830
Speakers



ALTERNATE
2—KN-1286
Enclosures



LOW-COST STEREO HI-FI PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$55.39!

- System Price**
\$163.95
Less Case
- Individual Components Purchased Separately Cost Up to \$219.34
 - 12" KN-830's Offer 3-Way Design
 - AT-6 Changer Plays All 4 Speeds

A tremendous value in a superb array of custom components. Save on Allied's system price, and by building the superb, all-transistor KG-320 yourself. System Includes: Knight-Kit KG-320 32-Watt Stereo Amplifier Kit; Garrard AT-6 Automatic Turntable and Base; your choice of any one of four stereo cartridges: Empire 880, Shure M3D, Pickering U38AT, or Knight KN505X; plus two Knight KN-830 12" 3-Way Hi-Fi Speakers. All connecting cables are included. AT-6 Turntable combines changer convenience with turntable performance. Knight KN-830's provide brilliant, 40-18,000 cps response. Less amplifier case, listed below. Changer base in mahogany, limed oak, walnut—specify. Shpg. wt., 54 lbs.

22 HF 005C-J. Specify Cartridge ONLY 163.95

ALTERNATE WITH SHELF ENCLOSURES

SAVE UP TO \$59.29 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. Includes all of the components of above system with the addition of Knight KN-1286 Walnut Shelf Speaker Enclosures. You can place the KN-1286's on shelves, mantels, etc. Walnut changer base. Less amplifier case, below. 104 lbs.

22 HF 006-J. Specify Cartridge ONLY 219.95

OPTIONAL CASES FOR KG-230 AND KU-45

- 83 YX 017-J. KG-320 Brown Metal Case. 5 lbs. 4.95
- 83 YX 016-J. KG-320 Wood Case. Walnut. 5 lbs. 9.95
- 83 YX 646-J. KU-45 Brown Metal Case. 5 lbs. 7.95
- 83 YX 021-J. KU-45 Wood Case. Walnut. 7 lbs. 14.95

**Knight-Kit KU-45 32-Watt
Stereo Multiplex FM-AM Receiver Kit**



2 Knight
KN-829's

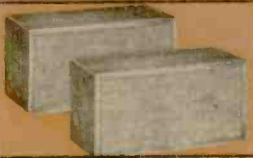


Garrard, Autoslim Base, plus ... 1 of these cartridges: (L to R) Empire 880, Shure M3D, Pickering U38AT, Knight KN505X.



ALTERNATE

2—Knight
KN-1284
Shelf
Speaker
Enclosures



**STEREO MULTIPLEX FM/AM PHONO SYSTEM
SYSTEM PRICE SAVES YOU UP TO \$60.39!**

System Price
\$219⁹⁵
Less Case

- Individual Components Purchased Separately Cost Up to \$280.34
- 8" KN-829's Give Amazing Response
- Autoslim Plays All 4 Speeds

Get thrilling stereo listening from your records or FM with this complete custom hi-fi ensemble. Big double savings: save on the cost of individual components; save because you build the receiver yourself. System features the Knight-Kit KU-45 Stereo FM/AM Receiver. In easy-to-build kit form, offers powerful 32-watt stereo output for brilliant response from any source; highly sensitive FM section with built-in multiplex circuit for reception of stereo multiplex FM broadcasts; plus AM section for keeping in touch with news, sports, etc.

System Includes: Knight-Kit KU-45 Receiver Kit; Garrard Autoslim Record Changer and Base; your choice of any one of four stereo cartridges: Empire 880, Shure M3D, Pickering U38AT, or Knight KN505X; plus two Knight KN-829 8" Coaxial HI-FI Speakers. You also get all connecting cables for easy hookup of your system.

Popular Garrard Autoslim has quiet 4-pole motor, gently handles your precious records. Knight KN-829 Speakers offer 40-15,000 cps response. Have 8" woofer cone bass; compression-type tweeter for clear highs. Perfect for custom-mounting. Less receiver case. 65 lbs. Changer base in mahogany, limed oak or walnut—specify.
22 HF 007C-J. Specify Cartridge. ONLY 219.95

ALTERNATE WITH SHELF ENCLOSURES

SAVE UP TO \$62.74 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. Includes all of the components above, with the addition of Knight KN-1284 Walnut Shelf Enclosures. Extremely compact—you can place them anywhere. Walnut changer base. Less receiver case. Shpg. wt., 95 lbs.
22 HF 008-J. Specify Cartridge. ONLY 257.50

**DELUXE STEREO HI-FI PHONO SYSTEM
SYSTEM PRICE SAVES YOU UP TO \$65.39!**

System Price
\$284⁹⁵
Less Case

- Individual Components Purchased Separately Cost Up to \$350.34
- KN-2200's Offer 3-Way Design
- Deluxe "A" Plays All 4 Speeds

This superb custom system components provides unusual flexibility of installation, striking luxurious styling, and truly thrilling performance. Brings you big double savings: save on the cost of individual components purchased separately; then save again because you build the amplifier yourself. System is highlighted by the new Knight-Kit KG-320 All-Transistor 32-Watt Stereo Amplifier in easy-to-build kit form. Elimination of output transformers and coupling capacitors makes possible a response that is virtually flawless.

System Includes: Knight-Kit KG-320 32-Watt Stereo Amplifier Kit; Garrard Type "A" Automatic Turntable and Base; your choice of any one of four stereo cartridges: Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X; plus two Knight KN-2200 3-Way High Compliance Speaker Systems. All connecting cables are provided.

Garrard Type "A" Automatic Turntable combines changer with turntables; Knight KN-2200 Speaker Systems employ 4 speakers—10" woofer, two 3½" mid-range/treble, and dome-type, UHF tweeter. Speaker systems and base in oiled walnut. Less amplifier case, listed on previous page. 108 lbs.
22 HF 009-J. Specify Cartridge. ONLY 284.95

**Knight-Kit KG320 32-Watt
Stereo Amplifier Kit**

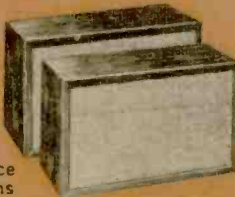


Garrard
Type "A"
And Base

Choose one of these stereo cartridges: (L to R) Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X.



Two
Knight KN-2200
High-Compliance
Speaker Systems





knight-kit
STEREO SYSTEMS

50-Watt Stereo Hi-Fi Systems.



New Knight-Kit
KG-60 50-Watt
All-Transistor
Stereo Amplifier
Kit



Two Knight
KN-820 12"
Speakers



Garrard Autoslim Changer,
Base plus... Choose
1 of these cartridges:
(L to R) Empire 800,
Shure M3D, Pickering
U38AT, Knight KN505X



ALTERNATE
2—Knight
KN-1286
Speaker
Enclosures



Knight Kit
KG-60



2—Knight
KN-830
Speakers

Garrard AT-6, Base,
plus... Choose 1 of
these cartridges: (L to
R) Empire 800, Shure
M3D, Pickering U38AT,
Knight KN505X.



ALTERNATE
2—Knight
KN-1285
Speaker
Enclosures



LOW-COST STEREO HI-FI PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$59.39!

System Price
\$179⁹⁵
Less Case

- Individual Components Purchased Separately Cost Up To \$239.34
- AT-6 Changer Plays All 4 Speeds
- 12" KN-830's Offer 3-Way Design

Get stunning stereo with this fine array of custom components. System features the new Knight-Kit KG-60 50-Watt All-Transistor Stereo Amplifier in easy-to-build kit form. Utilizes 20 transistors and 6 diodes—no heat or hum problems. System Includes: Knight-Kit KG-60 50-Watt Stereo Amplifier Kit; Garrard AT-6 Automatic Turntable and Base; your choice of any one of four stereo cartridges: Empire 800, Shure M3D, Pickering U38AT, Knight KN-505X; plus two Knight KN-830 12" Hi-Fi Speakers. You get all connecting cables. Garrard AT-6 offers smooth performance. Knight KN-830 Speakers provide 40-18,000 cps. Less amplifier case, below. Changer base in mahogany, limed oak or walnut—specify. 55 lbs.

22 HF 012C-J. Specify Cartridge..... ONLY 179.95

ALTERNATE WITH FLOOR ENCLOSURES

SAVE UP TO \$63.29 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. Includes components in above system with the addition of two Knight KN-1285 Floor Enclosures. Specify mahogany or walnut finish. 115 lbs.

22 HF 013C-J. Specify Finish and Cartridge. ONLY 245.95

ECONOMY STEREO HI-FI PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$54.39!

System Price
\$149⁹⁵
Less Case

- Individual Components Purchased Separately Cost Up To \$204.34
- 12" KN-820's Give 40-13,000 cps
- Autoslim Intermixes All Size

Distinguished by modern styling and reliable performance, this custom system is the ultimate in flexibility. The keystone of this ensemble is the all-new Knight-Kit KG-60 50-Watt All Transistor Amplifier in easy-to-build kit form. Compact, can be placed anywhere—never any heat problems. System Includes: Knight-Kit KG-60 50-Watt Stereo Amplifier Kit; Garrard Autoslim Record Changer and Base; your choice of any one of four stereo cartridges: Empire 800, Shure M3D, Pickering U38AT, or Knight KN505X; plus two Knight KN-820 12" Hi-Fi Speakers. You get all connecting cables. Garrard Autoslim Changer handles records with care. Knight KN-820 Speakers are only 4" deep. Less amplifier case, below. Changer base in mahogany, limed oak or walnut—specify. 34 lbs.

22 HF 010C-J. Specify Cartridge..... ONLY 149.95

ALTERNATE WITH SHELF ENCLOSURES

SAVE UP TO \$60.29 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. Includes components in above system with the addition of two Knight KN-1286 Walnut Shelf Speaker Enclosures; walnut record changer base. Less amplifier case. 84 lbs.

22 HF 011-J. Specify Cartridge..... ONLY 203.95

OPTIONAL CASES FOR KG-60 AMPLIFIER

METAL CASE. Brown finish. 5 lbs.

83 YX 644-J..... ONLY 4.95

WOOD CASE. Hand-rubbed oiled walnut. 5 lbs.

83 YX 645-J..... ONLY 9.95

Featuring Modern KG-60 All-Transistor Amplifier Kit



**Knight-Kit
KG-60 Stereo
Amplifier Kit**



Garrard AT-6, Base, plus... Choose 1 of these cartridges: (L to R) Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X



**2 Knight KN-281
Speaker Systems**

ALTERNATE

2—Knight
KN-2200
Speaker
Systems



DELUXE STEREO HI-FI PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$61.39!

System Price • Individual Components Purchased Separately Cost Up To \$285.34
\$223⁹⁵
Less Case • KN-281's Offer 2-Way Design
 • AT-6 Changer Plays All 4 Speeds

Breathtaking stereo and full flexibility—a winning custom combination. Features the new Knight-Kit KG-60 50-Watt All-Transistor Amplifier. Easy-to-build, decorator styling—virtually no hum or distortion. System Includes: Knight-Kit KG-60 50-Watt Stereo Amplifier Kit; Garrard AT-6 Automatic Turntable and Walnut Base; your choice of any one of four stereo cartridges: Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X; and two Knight KN-281 2-Way Walnut Shelf Speaker Systems. All connecting cables are included. Garrard AT-6 combines changer convenience and turntable performance. Knight KN-281's have 10" woofer, 2—3½" tweeters, 30-15,000 cps response. Fit on shelves or even hang on walls. Less amplifier case. Wt., 73 lbs.
22 HF 014-J. Specify Cartridge..... ONLY 223.95

**ALTERNATE WITH 3-WAY SPEAKER SYSTEMS
SAVE UP TO \$66.39 OFF THE COST OF COMPONENTS
PURCHASED SEPARATELY.** Includes components above with 2 Knight KN-2200 3-Way Walnut Speaker Systems in place of KN-281's; walnut changer base. Offer 10" woofer, 3½" mid-range and tweeter. 101 lbs.
22 HF 015-J. Specify Cartridge..... ONLY 278.95



**Knight-Kit
KG-60 Stereo
Amplifier Kit**



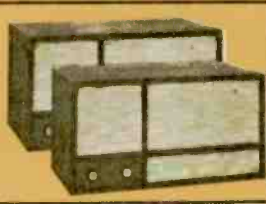
Garrard, Type "A", Base, plus... Choose 1 of these cartridges: (L to R) Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X



**2 Knight
KN-612HC
12" Hi-Fi
Speakers**

ALTERNATE

2—Knight
KN-2300
Speaker
Systems



SUPER-DELUXE STEREO PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$65.39!

System Price • Individual Components Purchased Separately Cost Up To \$330.34
\$264⁹⁵
Less Case • 3-Way KN-612HC's Give Superb Response
 • Type "A" Is Garrard's Finest

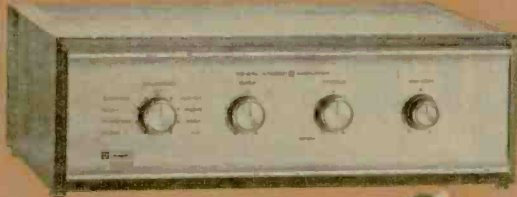
For those who insist upon the best, reproduces sound with fidelity to delight even a professional musician. Keystone is the new Knight-Kit KG-60 All-Transistor 50-Watt Stereo Amplifier. In easy-to-build kit form—provides flawless reproduction. System Includes: Knight-Kit KG-60 50-Watt Stereo Amplifier Kit; Garrard Type "A" Automatic Turntable and Base; your choice of any one of four stereo cartridges: Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; plus two Knight KN-612HC 3-Way 12" Hi-Fi Speakers. You get all connecting cables. Deluxe Type "A" combines changer convenience with turntable performance. Knight KN-612HC's offer 25-19,000 cps response. Less amplifier case. Changer base in mahogany, limed oak or walnut—specify. 86 lbs.
22 HF 016C-J. Specify Cartridge..... ONLY 264.95

**ALTERNATE WITH 3-WAY SPEAKER SYSTEM
SAVE UP TO \$70.39 OFF THE COST OF COMPONENTS
PURCHASED SEPARATELY.** Includes components in above system with 2 Knight KN-2300 3-Way Walnut Speaker Systems in place of KN-612HC's; walnut changer base. Offer 25-20,000 cps response. 153 lbs.
22 HF 017-J. Specify Cartridge..... ONLY 339.95



knight-kit
STEREO SYSTEMS

20-Watt Stereo Hi-Fi Systems

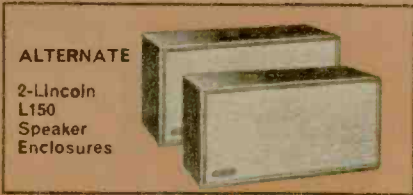


Knight-Kit
KG-250 20-Watt
Stereo Amplifier Kit

Two Knight
KN-809 8"
Speakers



Garrard Autoslim, Base,
Plus . . . Choose 1 of these
cartridges: (L to R) Empire
880, Shure M3D, Pickering
U38AT, Knight KN-505X



KG-250 Stereo
Amplifier Kit



Two Knight
KN-820 12"
Speakers

Choose 1 Cartridge:
(L to R) Empire 880,
Shure M3D, Pickering
U38AT, Knight
KN-505X



Garrard
AT-6,
Base.



ECONOMY 20-WATT STEREO PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$50.39!

- System Price **\$99.95**
less case
- Individual Components Purchased Separately Cost Up to \$150.34
 - KN-809's Deliver 50-12,000 cps.
 - Autoslim Handles Records Gently

Enjoy fine stereo sound at moderate cost with this specially selected system. Features the extraordinary Knight-Kit KG-250 20-watt Stereo Amplifier Kit. With each channel delivering 10 watts of continuous sine-wave power, you're assured of ample stereo sound of excellent quality. System Includes: Knight-Kit KG-250 20-watt Stereo Amplifier Kit; Garrard Autoslim Changer and Base; your choice of any one of four stereo cartridges—Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; two Knight 809 8" Hi-Fi Speakers. Plus all cables needed. Garrard Autoslim plays all four speeds precisely and quietly. Knight 8" speakers feature shallow construction and excellent fidelity. Less amplifier case (lower right). Changer base in mahogany, limed oak or walnut—specify. Shpg. wt. 41 lbs.

22 HF 018C-J. Specify cartridge. ONLY 99.95

ALTERNATE WITH SHELF ENCLOSURES

SAVE UP TO \$51.74 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. As above, but with the addition of two Lincoln L-150 shelf enclosures. Mahogany, blonde or walnut leatherette finish. Shpg. wt., 67 lbs.

22 HF 019C-J. Specify finish and cartridge. ONLY 122.50

DELUXE 20-WATT STEREO PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$53.78!

- System Price **\$124.95**
less case
- Individual Components Purchased Separately Cost Up to \$178.73
 - KN-820's Deliver 40-13,000 cps
 - AT-6 Handles Records Gently

A music system offering remarkable stereo fidelity that everyone in the family will enjoy. Basic to the system is the exciting KG-250 20-Watt Stereo Amplifier that includes DC on all preamp tube filaments, four stereo inputs and a host of other important features. System Includes: Knight-Kit KG-250 20-Watt Stereo Amplifier; Garrard AT-6 Automatic Turntable and Base; your choice of any one of four stereo cartridges—Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; two Knight KN-820 12" Hi-Fi Speakers. And you get all necessary connecting cables. The AT-6 offers precision operation. The KN-820 speakers feature superior sound. Less amplifier case (listed below). Changer base in mahogany, limed oak or walnut—specify. Wt. 47 lbs.

22 HF 020C-J. Specify cartridge. ONLY 124.95

ALTERNATE WITH SHELF ENCLOSURES

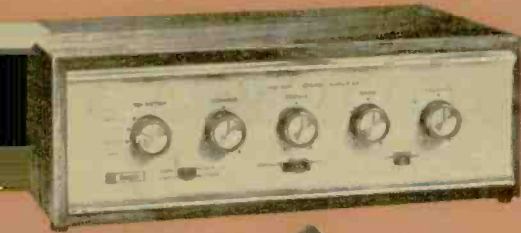
SAVE UP TO \$60.29 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. As above, but with the addition of two Knight KN-1286 shelf enclosures. In walnut finish only. With walnut changer base. Specify cartridge. 97 lbs.

22 HF 021C-J. \$9 Monthly. ONLY 178.95

OPTIONAL CASES FOR AMPLIFIERS. 5 lbs.

- 83 YX 031-J. Metal Base For KG-250. 3.95
- 83 YX 030-J. Wood Case For KG-250. Walnut. 9.95
- 83 YX 024-J. Metal Case For KG-400. 3.95
- 83 YX 023-J. Wood Case For KG-400. Walnut. 9.95

Money-Saving 32-Watt Stereo Hi-Fi Systems



**Knight-Kit KG-400
Stereo Amplifier Kit**

**Garrard Autoslim
and Base**



**Two
KN-820 12"
Speakers**



**ALTERNATE
With 2 Knight
KN-1286 Speaker
Enclosures**



Choose 1 of these Cartridges: (L to R) Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X



**ALTERNATE
SYSTEM
2—KN-281
Speaker
Systems**



**Knight-Kit KG-400
Stereo Amplifier**



**Garrard AT-6 and base
plus... Choose 1 of these
cartridges: (L to R) Empire
880, Shure M3D, Pickering
U38AT, Knight KN-
505X**



**Two
Knight
KN-830 12"
Speakers**



ECONOMY 32-WATT STEREO PHONO SYSTEM

SYSTEM PRICE SAVES YOU UP TO \$54.39!

- System Price**
\$129.95
less case
- Individual Components Purchased Separately Cost Up to \$184.34
 - KN-820's Deliver 40-13,000 cps
 - Autoslim Intermixes All Sizes

Exciting stereo sound from carefully balanced components is yours with this budget-priced music system. Features the fun-to-build KG-400 32-watt Stereo Amplifier with ganged bass and treble controls, separate recording outputs, one-knob balance control and many other highlights. System includes: Knight-Kit 32-Watt Stereo Amplifier; Garrard Autoslim Changer and Base; your choice of any one of four cartridges—Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; two Knight KN-820 Hi-Fi Speakers. And all connecting cables. Autoslim changer shuts off automatically after last record—handles records gently. KN-820 speakers utilize two cones for superior sound. Less amplifier case (facing page). Changer base in mahogany, limed oak or walnut—specify. 50 lbs.

22 HF 022-J. Specify cartridge. ONLY 129.95

ALTERNATE WITH SHELF ENCLOSURES

SAVE UP TO \$60.73 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. As above, but with the addition of two KN-1286 shelf enclosures. In walnut finish only. With walnut changer base. Specify cartridge. Shpg. wt., 100 lbs.

22 HF 023-J. \$10 Monthly. ONLY 183.50

DELUXE 32-WATT STEREO PHONO SYSTEM

SYSTEM PRICE SAVES YOU UP TO \$59.39!

- System Price**
\$159.95
less case
- Individual Components Purchased Separately Cost Up to \$219.34
 - KN-830's Deliver 40-18,000 cps
 - AT-6 Has Weighted Turntable

A music system that delivers wide-range, full dimensional, extraordinarily natural stereo sound. Highlights the Knight-Kit KG-400 32-watt Stereo Amplifier kit offering many deluxe features. System includes: Knight-Kit 32-Watt Stereo Amplifier; Garrard AT-6 Automatic Turntable and Base; your choice of any one of four cartridges—Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; two KN-830 3-Way Hi-Fi Speakers. Plus all necessary cables and plugs. The AT-6 Automatic Turntable combines changer convenience with the smooth, precision performance. KN-830 3-way speakers have woofers, mid-range radiators and UHF driver for superb sound. Less amplifier case (facing page). Changer base in mahogany, limed oak or walnut—specify. 71 lbs.

22 HF 024-C-J. Specify cartridge. ONLY 159.95

ALTERNATE WITH SHELF SPEAKER SYSTEMS

SAVE UP TO \$61.84 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. As above, but with two 2-way KN-281 speaker systems in oiled walnut veneer on all sides. Also includes matching walnut changer base. Specify choice of cartridge. Wt., 89 lbs.

22 HF 025-C-J. \$11 Monthly. ONLY 203.50



KA-55 Amplifier Kit

Two Knight KN-1200 12" Speakers



Pick Your Cartridge From A Select Group... Choose 1 of these cartridges (L to R) Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X



Knight-Kit KA-55 40-Watt Stereo Amplifier Kit



ALTERNATE With 2—Knight KN-1286 Speaker Enclosures



Autoslim, Base

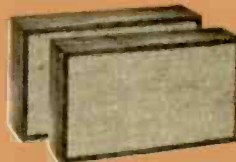


Two Knight KN-830 12" Speakers

Garrard AT-6, Base, Plus ...Choose 1 of these cartridges: (L to R) Empire 880, Shure M3D, Pickering U38AT, Knight KN-505X.



ALTERNATE SYSTEM 2—Knight KN-281 Speaker Systems



ECONOMY STEREO HI-FI PHONO SYSTEM
SYSTEM PRICE SAVES YOU UP TO \$53.84!

System Price **\$176⁵⁰**
\$9 monthly

- Individual Components Purchased Separately Cost Up to \$230.34
- KN-1200's Deliver 40-14,000 cps
- Autoslim Changer Plays all 4 speeds

A system carefully selected to offer superb stereo at a moderate price. Heart of this system is the easy-to-build Knight-Kit KA-55 Stereo Amplifier delivering 40-watts of power. Features full-range center-channel output and has five pairs of stereo inputs. System Includes: Knight-Kit KA-55 40-Watt Stereo Amplifier Kit; Garrard Autoslim Record Changer and Base; your choice of any one of four stereo cartridges—Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; two Knight KN-1200 12" Hi-Fi Speakers. Plus connecting cables. Garrard Autoslim Changer plays smoothly. KN-1200 speakers deliver wide frequency range. With amplifier case. Changer base in mahogany, limed oak or walnut—specify. 71 lbs.

22 HF 026C-J. Specify Cartridge. ONLY 176.50

ALTERNATE WITH SHELF ENCLOSURE

SAVE UP TO \$62.29 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. As above, but with the addition of Knight KN-1286 shelf enclosures; walnut changer base. In walnut finish. Specify choice of cartridge. 124 lbs.

22 HF 027-J. \$12 Monthly. ONLY 227.95

MONEY-BACK GUARANTEE ON KNIGHT-KITS. Knight-Kits must meet with your satisfaction or your purchase price will be refunded.

NO MONEY DOWN WITH ALLIED'S CREDIT FUND PLAN. You can take up to 24 months to pay. Boosts your purchasing power!

DELUXE STEREO HI-FI PHONO SYSTEM
SYSTEM PRICE SAVES YOU UP TO \$56.39!

System Price **\$182⁹⁵**
\$10 monthly

- Individual Components Purchased Separately Cost Up to \$239.34
- KN-830's Deliver 40-18,000 cps
- AT-6 Plays All Speeds

A deluxe phono system that reveals the full range of the stereo sound spectrum through outstanding components. Central to the system is the Knight-Kit KA-55 Stereo Amplifier Kit. Has separate bass and treble controls, center-channel output and many other features. System Includes: Knight-Kit KA-55 40-watt Stereo Amplifier Kit; Garrard AT-6 Automatic Turntable and Base; your choice of any one of four Stereo cartridges—Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; Two Knight KN-830 3-Way 12" Speakers. Also all connecting cables you need. Garrard AT-6 combines best features of turntable and changer, KN-830 speakers have ceramic Indox magnets and 2" edgewound voice coils. With amplifier case. Changer base in mahogany, limed oak or walnut—specify. 73 lbs.

22 HF 028C-J. Specify cartridge. ONLY 182.95

ALTERNATE WITH SHELF SPEAKER SYSTEMS

SAVE UP TO \$60.39 OFF THE COST OF COMPONENTS PURCHASED SEPARATELY. As above, but with two 2-way KN-281 speaker systems in oiled walnut veneer on all sides. Walnut changer base. Specify cartridge. 91 lbs.

22 HF 029-J. \$12 Monthly. ONLY 224.95

Big Savings on 70-Watt Stereo Hi-Fi Systems



**Knight-Kit KA-95
70-Watt Stereo
Amplifier Kit**

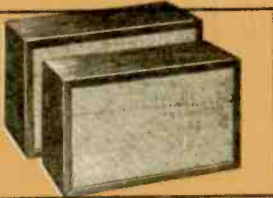


**Two Knight
KN-830
3-Way 12" HI-
FI Speakers**

**Garrard AT-6, Base. Plus...
Choose 1 of these car-
tridges: (L to R) Empire
880, Shure M3D, Pickering
U38AT, Knight KN-505X**



**ALTERNATE
SYSTEM
2-Knight
KN-2200
Speaker
Systems**



**Knight-Kit KA-95
70-Watt Amplifier
Kit**



**Two Knight
612HC
3-Way 12" HI-
FI Speakers**

**Garrard Type A, Base,
Plus... 1 of these car-
tridges: (L to R) Empire
880, Shure M3D, Pickering
U38AT, Knight KN-505X.**



**ALTERNATE
SYSTEM
2-Knight
KN-2300
Speaker
Systems**



ECONOMY 70-WATT STEREO PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$59.39!

System Price • Individual Components Purchased Separately Cost Up to \$279.34
\$219⁹⁵ • KN-830's Deliver 40-18,000 cps
\$11 monthly • AT-6 Offers Turntable Precision

Flawless sound throughout the entire stereo range is yours with this wonderful music system. Features the easily-assembled KA-95 Stereo Amplifier Kit that gives 70 watts of undistorted power and has every conceivable control. **System Includes:** Knight-Kit KA-95 70-Watt Stereo Amplifier Kit; Garrard AT-6 Automatic Turntable and Base; your choice of any one of four Stereo cartridges—Empire 880, Shure M3D, Pickering U38T or Knight KN-505X; two Knight KN-830 3-Way 12" Speakers. And all connecting cables necessary. Garrard AT-6 offers turntable performance and changer convenience—records sound better and last longer. KN-830 speakers employ woofers, mid-range radiators and VHF drivers. With amplifier case and changer base. Changer base in mahogany, limed oak or walnut. Shpg. wt., 77 lbs.

22 HF 030C-J. Specify Cartridge ONLY 219.95

**ALTERNATE WITH SHELF SPEAKER SYSTEMS
SAVE UP TO \$66.39 OFF THE COST OF COMPONENTS
PURCHASED SEPARATELY.** As above, but with Knight KN-2200 3-way speaker systems finished in oiled walnut. Walnut changer base. Specify your choice of cartridge. Wt., 123 lbs.

22 HF 031-J. \$15 Monthly NET 318.95

DELUXE 70-WATT STEREO PHONO SYSTEM SYSTEM PRICE SAVES YOU UP TO \$65.39!

System Price • Individual Components Purchased Separately Cost Up to \$370.34
\$304⁹⁵ • 612 HC's Deliver 25-18,000 cps
\$15 monthly • Versatile Type "A" Turntable

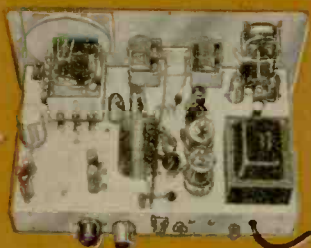
Stereo magnificence—you get the ultimate in breathtaking stereo sound from this deluxe system. Its center is the outstanding Knight-Kit KA-95 Stereo Amplifier Kit. Furnishes 70 watts of undistorted power and offers every needed control—center channel output, balance adjustments and unique monitoring facilities—to mention a few. **Deluxe ensemble includes:** Knight KA-95 70-Watt Stereo Amplifier Kit; Garrard Type "A" Automatic Turntable and base; your choice of any one of four Stereo cartridges—Empire 880, Shure M3D, Pickering U38AT or Knight KN-505X; two Knight 612 HC 3-way 12" Speakers. Plus all cables and speaker hook-up wire. The Type "A" is Garrard's finest unit. 612HC speakers produce natural sound. With amplifier case and changer base. Changer base in mahogany, limed oak or walnut. 107 lbs.

22 HF 032C-J. Specify Cartridge ONLY 304.95

**ALTERNATE WITH SHELF SPEAKER SYSTEMS
SAVE UP TO \$70.39 OFF THE COST OF COMPONENTS
PURCHASED SEPARATELY.** As above, but with two KN-2300 3-way speaker systems in oiled walnut; walnut changer base. Specify choice of cartridge. Wt., 175 lbs.

22 HF 033-J. \$18 Monthly ONLY 379.95

Punches Out A
Great Signal—Gets
Through The QRM!



- ✓ Voltage Regulator in B+ for Stable Operation
- ✓ Pi-Net Output Matches 40-600 Ohm Antennas
- ✓ Standby, Remote Standby and Power Takeoff Plugs
- ✓ Buffer Stage Isolates Oscillator from Output

STABLE VFO

Only Drifts 200 cps from 10-30 Minutes; Practically Stands Still After That.

TWIN 6146's

Tubes are Parallel-Connected for RF Output; Conservatively Operated for Long Life.

HANDY METER

Reads Buffer and Final Grid Current, Final Plate Current, Relative Power Out.

New! T-150 150-Watt, AM-CW Transmitter Kit

Only
\$119⁹⁵
\$6 monthly

- 150-Watt Input 80-10 Meters; 100-Watt on 6 Meters
- Controlled Carrier Screen Modulation for Max Power
- Stable Built-In VFO Has Planetary Drive Tuning
- Clean, Chirpless Keying—No HV at Key Terminals
- Adjustable Pi-Net Output Matches 40-600 Ohm Ant

Jam-packed with features for the Amateur who appreciates a clean, quality signal and wants the most "watts-per-dollar" in his rig! The Knight-Kit T-150 operates with 150 watts peak AM/CW input on 80 through 10 meters and 100 watts peak AM/CW on 6 meters. A specially designed VFO provides highly stable frequency control on all bands. The VFO has indirectly illuminated dial scale and planetary drive for easy tuning without backlash. A socket is provided for optional crystal operation—switch selected with VFO.

Outstanding features include: controlled-carrier screen modulation for maximum talk-power; adjustable pi-network output circuit matches 40 to 600-ohm antenna impedances; buffer stage isolates oscillator from output stage; silicon diodes for reliable high-voltage; voltage regulator in B+; pair of 6146 tubes in parallel for output; single-knob bandswitching; minimum TVI with all leads in and out of case by-passed for RF.

Meter switch allows quick, precise reading of buffer grid current, final grid current, final plate current, and relative power output. Frequency spotting selector-switch position allows tuning of the transmitter before switching on the final amplifier. This also enables you to zero beat an incoming signal without placing the transmitter on-the-air. Keying is clean and chirpless with no high-voltage appearing at the key terminals. For phone operation, mike circuit accepts Hi-Z dynamic or crystal mikes; uses Amphenol PCIM type connector. A standard phone jack is used for key.

Rear panel has provision for standby, and remote standby control; 117 VAC for antenna relay. Accessory power take-off furnishes 700 VDC at 50 ma and 6.3 VAC at 1 amp. Case is styled in attractive gray satin metal, matches companion R-100A receiver kit. Tubes: 12BY7, 12AX7, 6CL6, 6DR7, OA2, 7189, 2—6146. With plugs, wire, solder and Instructions. Less mike, key, crystals. 8½x 17x10½". For 110-125 v., 60 cycle AC. 28 lbs.

83 YU 403-J. \$6 Monthly ONLY 119.95

Knight-Kits Are Guaranteed to Meet Your Satisfaction

With Our DX-Getting Mates!

Expert engineering, advanced features, and premium-quality components all contribute to the superior performance of Knight-Kit Amateur equipment... and you'll be proud of the smart, professionally-styled appearance—your assurance of top trade-in value.



R-100A Receiver Shown With Optional S-Meter Accessory



Matching S-8A Speaker Kit

New! R-100A Communications Receiver Kit

Only
\$99.95

- Better Than 1 1/2 Microvolt Sensitivity for 10:1 S/N
- Built-In Q Multiplier Works on CW /AM /SSB—Peaks Desired Signal or Nulls QRM—Has 60 db Notch
- Continuously Variable Selectivity 300 cps to 4 1/2 kc
- Covers 540 to 30 mc—Bandspread on 80-10 Meters

\$5 monthly

A world-famous value in communications equipment, the R-100A receiver kit is the top choice of the experienced Amateur who knows and wants the very best! Designed by Ham engineers to meet every Ham need, this receiver has all the features, selectivity, sensitivity and stability of factory-wired units costing far more. Employs the Knight-Kit printed circuit bandswitch and modern etched circuit boards to eliminate critical "lead dress", to reduce construction time, and assure stable, reliable performance.

Coverage is from 540 kc to 30 mc in 4 bandswitched ranges, with calibrated electrical bandspread on all Ham bands. Built-in Q multiplier works on CW / AM /SSB, peaks desired signals or nulls out interference—60 db notch really knifes through QRM! Selectivity is continuously variable from 300 cps to 4 1/2 kc at 6 db down. VR tube-regulated B+ on HF oscillator permits switching from standby to receive without drift. Has Exalted BFO injection for quality SSB reception; MVC; delayed AVC; and noise limiter.

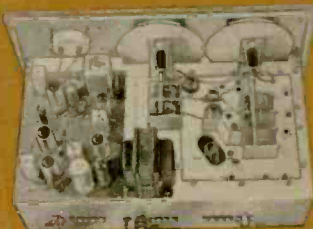
Exceptional sensitivity on 10 meters—better than 1 1/2 microvolts for a 10:1 signal-to-noise ratio. On 40 and 80 meters, sensitivity is actually 1/2 to 3/4 microvolts for the same 10:1 signal-to-noise ratio! Close tolerance, slug-tuned Hi-Q coils assure minimum alignment time. Has coax and screw terminal antenna connections for 50 to 300-ohm lines; convenient front-panel located headphone jack; and provision for building in a crystal calibrator. Tubes: 6BZ6, 6BH8, 2-6AZ8, 6BC7, 6AW8A, 12AX7, OB2, and 6X4 rectifier.

Step-by-step instructions with picture diagrams make error-free assembly an easy matter. Gray metal case, 9 1/8 x 17 1/8 x 9 3/8". With all parts. Less S-meter, speaker, below. For 110-125 v., 60 cycle AC. 31 lbs.

83 YU 406-J. \$5 Monthly..... **ONLY 99.95**

83 Y 423-J. S-Meter Kit. Reads to +20 db over S9. Wt., 12 oz..... **ONLY 12.95**

83 Y 424-J. Speaker Kit. Special-design 4" speaker peaks voice frequencies. Styled to match R-100A. 6 1/2 x 6 3/8 x 5 3/8". Wt., 4 lbs..... **ONLY 9.95**



- ✓ Circuit Boards Eliminate Critical "Lead Dress"
- ✓ Built-In Q Multiplier Works on CW /AM /SSB
- ✓ Exalted BFO Injection for Quality SSB
- ✓ No Dial Stringing—Vernier Shaft Drive



CONVENIENT PRINTED CIRCUIT BANDSWITCH

A Knight-Kit innovation—reduces assembly time to a minimum, and makes an extremely important contribution to stability and overall performance. Simply plug the bandswitch into the RF circuit board, solder, and you've made 32 error-free connections! Eliminates critical lead dress in oscillator, RF, and mixer sections—you really can't go wrong!

Purchase Knight-Kit Ham Gear on Allied's Credit Fund Plan



knight-kits
AMATEUR GEAR



THERE'S MORE FOR THE
HAM IN KNIGHT-KITS!



ACCEPTED LEADERSHIP

For many years, beginners in Amateur Radio, as well as seasoned Hams, have looked to Knight-Kit for the best selection, best value, and finest Ham-to-Ham treatment. You can choose from the world's foremost designed array of do-it-yourself equipment—secure in the fact that Ham quality, pace-setting design, performance-proven circuitry, plus substantial dollar savings over the cost of factory-built rigs are an integral part of every Knight-Kit.

CREDIT FUND PLAN

Why wait?—Now's the time to put together that station you've always wanted. Allied's Credit Fund Plan gets you on the air with no money down and up to 24 months to pay. Own any of the FB Knight-Kit gear for just a small monthly payment. Bring the shack up to date—enjoy DX, ragchews and contests right away. See details on Page 456.

T-60 60-Watt AM-CW Transmitter

Only
\$49⁹⁵

\$5 monthly

- Phone and CW on 80 Through 6 Meters
- 60 Watts CW /Peak AM Input—Slightly Less on 6
- Controlled-Carrier Screen Modulation—PI-Net Output
- Clean, Chirp-Free Keying—No High Voltage On Key
- Single-Knob Bandswitching—Fast, Easy Tune-Up

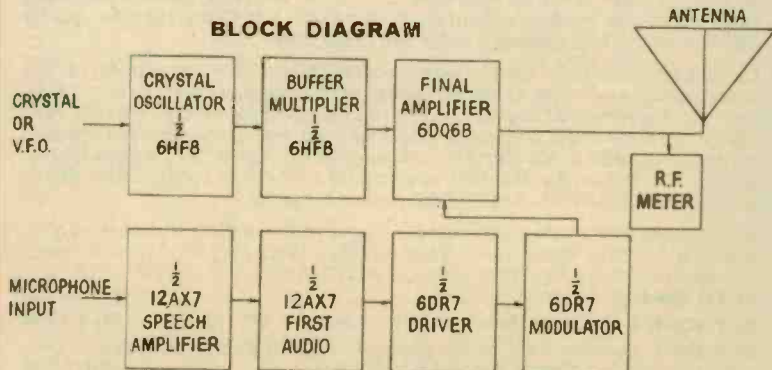
The Knight-Kit T-60 is one of the greatest values in an AM phone and CW transmitter available anywhere. It contains all the most wanted features asked for by Novices and newly licensed Generals looking for a "first rig"—plus more than enough power and frequency coverage to make it an excellent transmitter for the Technician or advanced Amateur who needs a "standby" unit. It's the ideal "second rig" for emergency use, portable work on Field Day, vacations, summer outings, etc.

Has: 60 watts input, peak AM and CW, on 5 bands (slightly less on 6 meters), single-knob bandswitching; efficient peak carrier-controlled modulation; clean, simultaneous-cathode keying system with bias resistor—no high voltage at key; adjustable pi-coupler matches any 40-600 ohm antennas; "Tune" position protects final by limiting input during easy tune-up procedure—you merely tune for maximum RF on the large panel meter; plenty of filtering and by-passing to reduce TVI; fused silicon rectifier power supply.

Final works "straight through" on all bands but 6 meters, where it doubles. Requires VFO or crystals (3.5-mc types for 80, 7-mc types for 40-10, 8-mc types for 6). Rear-panel socket provides 410 VDC and 6.3 VAC to power VFO, TR switch, etc.; also has relay switching terminals. 5x12x7". With wire, solder, instructions. Less key, mike, crystals. For 110-125 v., 60 cycle AC. 16 lbs.

83 YX 294-J. \$5 Monthly. ONLY 49.95

BLOCK DIAGRAM





R-55 Communications Receiver Kit

Only
\$59⁹⁵

new low price

- 5 Bands—Tunes 530 kc to 36 mc and 47 to 54 mc
- Fused Transformer Power Supply With Filter Choke
- Two IF Stages for High Sensitivity Selectivity
- Calibrated Electrical Bandspread—Easy Tuning
- Large, Edge-Illuminated Slide Rule Dial

Whether you're a discriminating shortwave radio fan, red-hot electronics enthusiast, or beginning Ham, here's an advanced-design receiver just for you. The R-55, created for reliable 'round-the-world listening, tunes the broadcast and shortwave bands from 530 kc to 36 mc, plus 47 to 54 mc. Separate direct-reading scales are provided for the 80 through 6 meter Ham bands with electrical bandspread on all bands.

The superhet circuit has two 1650-kc IF stages for top sensitivity, sharp selectivity and high image rejection. Other "expensive set" features include: AVC circuit to avoid "blasting" and reduce fading; noise limiter; BFO for code reception; standby switch; antenna trimmer; and a headphone jack. Flywheel-loaded main tuning, bandspread control and huge slide-rule dial all contribute to smooth, effortless station selection.

Includes provision for adding a crystal calibrator (see below). Has fused, transformer-type power supply with filter choke for excellent voltage regulation. Special modular coil assemblies provide greater ease of construction and improved shielding. Gray metal cabinet has charcoal-gray and aluminum panel, black knobs. With all parts, speaker, wire, solder and instructions. 8x 14 1/2 x 11". For 110-125 v., 60 cycle AC. Shpg. wt., 24 lbs.

83 YU 935-J. \$5 Monthly..... **ONLY 59.95**

83 Y 256-J. Crystal Calibrator Kit. Builds into R-55. Gives 100-kc markers. Size, 3 1/2 x 2 1/2 x 1 1/2". Shpg. wt., 1 lb..... **ONLY 10.95**

SPECIFICATIONS

Tuning Ranges: BAND A, 530-1900 kc; BAND B, 1800 kc-6.3 mc; BAND C, 6-14.5 mc; BAND D, 11.5-33 mc; BAND E, 47-54 mc. Antenna Input Impedance: 52 ohms. Image Rejection: 42 db at 80 meters; 14 db at 6 meters. IF: 1650 kc. Tube Complement: 5 plus EZ90 rectifier.

JUST THREE OF ITS OUTSTANDING FEATURES

SLIDE RULE DIAL



Extra-large dial scales are accurately calibrated for every band—edge-illuminated for easy reading, too. Red and green pointers show main tuning and bandspread tuning at a glance. Clear plexiglass dial.

BANDSPREAD TUNING



Electrical bandspread is incorporated on all Amateur bands from 80 to 6 meters—individual scales are calibrated to read direct on each scale. Flywheel tuning.

BUILT-IN SPEAKER



A specially-designed 3 1/2" speaker is mounted on the right side of the cover. It has perfect response for the frequencies used in communications. R-55 can also be used with headphones.

Satisfaction Guaranteed With Every Knight-Kit

ALLIED 29



knight-kit®
AMATEUR GEAR



NEW!



Outstanding Features

- Flexible 2 Unit Design
- Full Kilowatt Capacity
- Requires No Power/Batteries
- Reads SWR from 1:1 to 20:1
- Can be Left in Line as Constant Monitor
- Accuracy Better than 10%
- Has Coax Connectors
- For Unbalanced 50-72 Ohm Lines—Amateur and CB
- Range from 1.8 to 432 Mc
- Negligible Insertion Loss
- Has Sensitivity Adjustment

Model P-2 SWR / Power Meter Kit

Only
\$14.95

- For 50 to 72 Ohm Lines—Amateur and Citizens Band
- Full Kilowatt Capacity; Range from 1.8 mc to 432 mc
- Flexible 2-Unit Design—Coupler and Indicator
- Negligible Loss—May Be Left in Line Permanently

Be sure you're getting the most from your transmitter and antenna! Use this new "in-line" type SWR/power meter to provide a constant check of your rig's efficiency. It measures relative power being fed to antenna and standing wave ratio reflected from it. Permits making your own matching adjustments between line and driven element for maximum RF.

With negligible power loss, it may be left in line permanently. Features two unit construction—coupler and indicator units, connected by a four-foot shielded cable. Uses coax connectors. Full kilowatt capacity, too. Requires 35 watts for full scale meter deflection on 80 meters; less than 1 watt at 3/4 meter; accuracy better than 10%. Operating range is from 1.8 to 432 mc.

Designed for unbalanced 50-72 ohm lines, Amateur and Citizens Band. Requires no AC power or batteries. 100 microvolt meter reads SWR from 1:1 to 20:1, and relative power from 0 to 10. Styled in gray satin—matches T-60 and T-150 Knight-Kit transmitters. Sizes: coupler, 2x5x2 1/2"; indicator, 2 1/8x6 1/4x3". Complete with all parts and instructions. Shpg. wt., 2 lbs.

83 YX 627-J..... ONLY 14.95

Low Cost 100-Kc Crystal Calibrator Kit

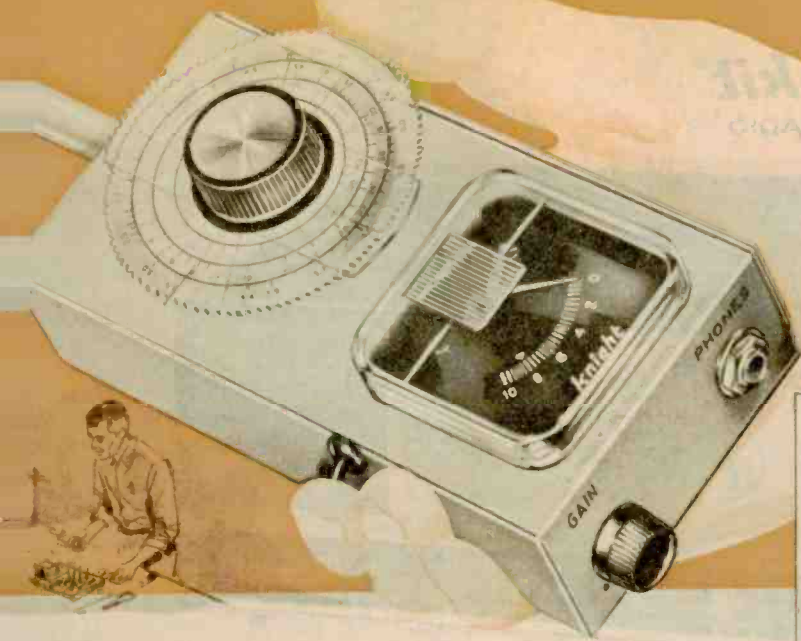
Only
\$10.95

- Gives Marker Every 100-Kc to About 35-Mc
- Convenient Trimmer for Zero-Beating With WWV
- Builds Into Knight-Kit R-100A and R-55 Receivers

Here's a low-cost secondary frequency standard producing harmonics every 100 kc, usable to about 35 mc. Ideal for Knight-Kit R-100A and R-55 receivers as well as other receivers. Requires power from receiver; 6.3 volts AC or DC at 150 milliamps, and 150 to 300 volts DC at 6 and 3 milliamps respectively. The 100 kc harmonics give check points in the 160 to 10 meter Ham bands, and through the International shortwave radio bands. These markers provide extremely accurate calibration for shortwave and Amateur receivers. Includes trimmer for zero-beating with WWV; and on-off switch. Crystal is hermetically sealed. Complete with all parts, instructions. 3 1/2x2 1/2x1 1/2". 12 oz.

83 Y 256-J..... ONLY 10.95





Model G-30 Grid Dip Meter Kit

Only
\$22⁹⁵

- Continuous Overlapping Coverage, 1.5 to 300 mc
- Easy-to-Read—Each Range Colored to Match Coil
- Coil Socket Accepts Standard Spaced Crystals
- Extremely Compact—Only 1 1/2" Deep
- Undamped Meter Movement Assures Quick Response
- Use As Signal Gen., Wavemeter and Oscillator

You'll find hundreds of uses for this invaluable instrument in and around your Amateur station. It not only serves as a grid dip oscillator to determine the frequency of resonant circuits, but as an oscillating detector, signal generator, and absorption wavemeter. Covers 1.5 to 300 mc in 6 overlapping ranges. Finely calibrated dial and movable hairline cursor, allow precise setting and highly accurate readings—on any segment of its frequency range! Excellent for receiver alignment, determining the exact length of transmitting and receiving antennas, adjustment of wave traps, finding parasitic oscillations, adjusting antenna matching stubs, and many, many more.

Ranges are color-coded to match coils. Has undamped meter movement for quick response and variable sensitivity control for optimum grid current adjustment. Stable oscillation—entire band may be tuned with one adjustment of the gain control. High-grade molded socket withstands rugged use—holds plug-in coils securely, too. A phone jack permits use as a modulation monitor and regenerative detector. Use also for determining inductance and capacitance. Uses a 6AF4A oscillator; selenium rectifier. Size, 6 1/2"x3 1/4"x1 1/4". Includes plastic case with 6 coils, all parts. For 110-125 v., 50-60 cycle AC. 2 lbs.

83 Y 721-J. \$5 Monthly ONLY 22.95

CHECK THESE FEATURES!

Adjustable
Hairline
Cursor



Color-Coded
Coils Match
Dial Ranges



Model V-44 Self-Powered VFO Kit

Only
\$29⁹⁵
\$5 monthly

- Can Be Directly Keyed for Break-In Operation
- Has "Calibrate" Position for Zeroing VFO to Receiver
- Designed for High Stability—Uses Clapp Oscillator
- Calibrated 80-10 Meters; Output on 80 and 40 Meters

Here's the deluxe, high-quality VFO with an established reputation for stability—at a real bargain price! Calibrated for 80, 40, 20, 15, and 10 meters, with output on 80 and 40. Output of 40 volts on 80 meters, and 20 volts on 40 meters, is more than adequate to excite oscillator stage of almost any transmitter. Drift-free, series-tuned Clapp oscillator uses 1% silver mica capacitors. Oscillator tank coil is wound on heavy ceramic form; uses air dielectric padders. Power supply is mounted above oscillator to keep heat from frequency-determining circuits. Frequency stability is achieved by careful design and rigid mechanical construction. VFO may be directly keyed for "break-in" operation. Also has "Calibrate" switch position for zeroing VFO to receiver; vernier planetary drive mechanism; front panel key jack. Size 8 3/4"x6 1/8"x5 3/8". With all parts, wire and solder, easy-to-follow instructions. For 110-125 v., 60 cycle AC. Wt. 10 lbs.

83 Y 725-J. \$5 Monthly ONLY 29.95



knight-kit®
CITIZENS RADIO



Model C-22 Citizens Band Transceiver Kit
with Press-to-Talk Mike and Coil-Cord

CITIZENS BAND TRANSCIVER KITS

IT'S EASY TO BUILD YOUR OWN LOW-COST 2-WAY RADIO. Every detail is engineered for the maximum in building ease. You are guided through each step of the fun-filled assembly by the world's finest "do-it-yourself" instructions. Carefully marked parts eliminate guesswork.

NO LICENSE EXAMINATION IS NECESSARY. Any U.S. citizen, 18 years of age or older, is entitled to enjoy the many business and personal benefits of Citizens Radio simply by applying to the Federal Communications Commission for a station permit. Just fill out and mail the form you get with your Knight-Kit transceiver.

OPERATING RANGES. Effective ranges vary with the height and type of antennas used, and terrain. With the maximum legal input of 5 watts, ranges of from 5 up to 25 miles may be expected.

MONEY-BACK GUARANTEE. You must be satisfied with your Knight-Kit or your purchase price will be promptly refunded.

CREDIT FUND PLAN. You can own a Knight-Kit Citizens Band system for no money down, low monthly payments and up to two years to pay. Details on our Credit Fund Plan are at the back of this catalog.

New Model C-22 Transceiver Kit

Only
\$69⁹⁵

\$5 monthly

- Provision for 5 Crystal-Controlled Transmit-Receive Channels—Plus Tunable, All-Channel Reception
- Efficient, Fully Modulated 5-Watt Transmitter
- Sensitive Superhet—Variable Squelch—Noise Limiter
- Operating Range to 20 Miles Over Ideal Terrain

UNIVERSAL MODEL. Just out . . . a versatile transceiver kit simply jam-packed with important features for the discriminating Citizens Band operator! Designed in the Knight-Kit tradition of craftsmanship and dependability at modest cost, the C-22 offers top-notch performance either as a fixed or mobile station. Compact size, easy accessibility of controls, handy press-to-talk operation, and self-contained power supply for 110VAC/12VDC—all combine to make it superb for any CB application.

The C-22 employs crystal-controlled transmit-receive sections that operate on any 5 switch-selected channels (with crystals, below)—or, at the flick of a switch, receiver may be manually tuned through all 22 channels. Transmitter runs a full, 100% modulated 5-watts input with an adjustable pi-network circuit for positive impedance match with any antenna. Front-panel RF indicator permits fast tune-up for maximum power output. Superheterodyne receiver provides excellent sensitivity and selectivity figures. Sensitivity, 1 μ v for 10 db signal-to-noise ratio. Selectivity is 6 $\frac{1}{2}$ kc at 6 db down with 25 db of adjacent-channel rejection—highly important in big city interference. Receiver also has variable squelch control, noise limiter, smooth-tuning planetary drive mechanism, plus 2 $\frac{1}{2}$ -watt audio section and 3" speaker for loud, clear reception. Edge-lit panel illuminates essential controls. 54-mc harmonic trap reduces TV interference. Has 6 tubes (and 5 diodes) for top performance. Size, 4 $\frac{1}{8}$ "x10 $\frac{13}{16}$ "x10 $\frac{1}{2}$ ". With all parts, wire, solder, press-to-talk ceramic mike, and easy-to-follow instructions. Less crystals, below. Fused power supply for 110-125 volts, 60 cycle AC or 12 volts DC. Wt., 12 lbs.

83 YX 802-J. \$5 Monthly. **ONLY 69.95**

83 YX 801-J. Std. C-22. For 110-125 v., 60 cycle AC only. **ONLY 64.95**

83 YX 009-J. Mobile Mtg. Bracket. For C-22. Wt., 3 lbs. **ONLY 4.95**

83 YY 046-J. Transmitting Crystals. Specify channels 1-22 (C-22 accommodates 5). Shpg. wt., 3 oz. **EACH 2.50**

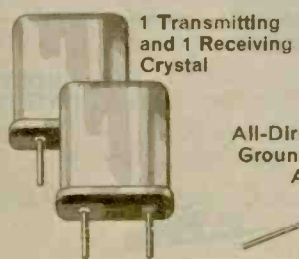
83 YY 045-J. Receiving Crystals. Specify channels (C-22 takes 5). . . . **EA. 2.50**



C-22 for 110 VAC Only



C-22 for 12VDC /110VAC

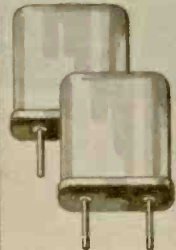


1 Transmitting and 1 Receiving Crystal

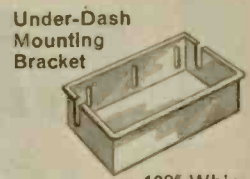


All-Directional Ground-Plane Antenna

50 Feet of RG58 /U Coax



1 Transmitting, 1 Receiving Crystal



Under-Dash Mounting Bracket

102" Whip with Bumper Mounting Strap

15 Feet of RG58 /U Coax for Transmission Line



Complete CB Base Station Kit

Only **\$77⁵⁰**

- Fixed-Station Package Featuring the Standard Model C-22 Kit
- For Home, Office, Farm, Dock
- Absolutely Nothing More to Buy

Another Knight-Kit Citizens Band exclusive that's really easy on the pocketbook! It's a complete, easy-to-build base-station communications setup—and you save \$4.33 over the cost of the components purchased separately. Here's what you get: 1 all-new Standard C-22 Transceiver Kit with Press-to-Talk Microphone, Coil-Cord, and built-in AC Power Supply; 1 all-directional Ground-Plane Antenna; 1 Transmitting Crystal; 1 Receiving Crystal; 50 Feet of rugged, weatherproofed RG58/U Coaxial Cable for transmission line; and all necessary Connectors.

Ground-plane antenna is a full-sized 1/4-wave radiating element with 4 radials. Provides 360° radiation pattern for efficient, all-directional base-station coverage. Two U-bolts hold all-aluminum antenna firmly to any pipe or mast up to 1 1/4" dia. (Mast is not supplied.) Standard C-22 Transceiver Kit has power supply for 110-125 volts, 60 cycle AC. Complete with 1 transmitting and 1 receiving crystal (specify channels 1-22), all tubes, parts, and famous Knight-Kit step-by-step, easy-to-follow Instructions. Shpg. wt., 26 lbs.

21 HF 062-J. \$5 Monthly ONLY 77.50

Complete CB Mobile Station Kit

Only **\$86⁹⁵**

- Mobile-Station Package Featuring the Universal Model C-22 Kit
- For Car, Truck, Tractor, Boat
- Absolutely Nothing More to Buy

A brand-new, easy-to-assemble Knight-Kit mobile station priced \$4.58 below the normal cost of the individual components. Makes a splendid "add-on" mobile unit to any existing Citizens Radio communications system. Bargain package consists of: 1 all-new Universal C-22 Transceiver Kit with Press-to-Talk Microphone, Coil-Cord, and self-contained Power Supply for either mobile or base-station use; Under-Dash Mounting Bracket; 102" Whip with Bumper Mounting Strap; 1 Transmitting Crystal; 1 Receiving Crystal; 15 Feet of weatherproofed RG58/U Coax for transmission line; all Connectors.

Mobile antenna, a stainless steel whip 102" long, has chrome-plated hardware and mounting strap to fit any car bumper. Rugged RG58/U coaxial cable serves as your transmission line. All necessary connectors are supplied. Universal C-22 Transceiver Kit is for either 110-125 volts, 60 cycle AC (may be used as a base unit) or 12 volts DC. With 1 transmitting and 1 receiving crystal (specify choice of channels 1-22), all parts, and Knight-Kit step-by-step instructions. Shpg. wt., 24 lbs.

21 HF 063-J. \$5 Monthly ONLY 86.95

Own a Knight-Kit Citizens Band System for No Money Down

ALLIED 33



knight-kit®
CITIZENS RADIO



Easy to Build,
Easy to Use

With Ceramic
Microphone

C-11 Citizens Band Transceiver Kit

Only
\$39⁹⁵

\$5 monthly

- Full 5-Watt Transmitter For Maximum Signal Strength
- Intercom-Type Switch Selects Transmit /Receive
- Super-Regenerative Circuit With RF Stage Provides Excellent Sensitivity
- Automatic Volume Control and Noise Limiting Circuitry

A super-value Citizens Band transceiver kit that puts dependable two-way radio communication within reach of any U.S. citizen, 18 years of age or older. Exceptionally low in cost, the C-11 incorporates an efficient 5-watt transmitter and a manually tunable, 22-channel super-regenerative receiver. A handy intercom-type switch selects "Transmit" and "Receive" functions. Switch incorporates two "Transmit" positions—one with automatic spring-return to "Receive" position, the other to lock unit in "Transmit." Other front-panel controls are Off-On-Volume, and Channel Tuning knob. Ceramic mike hangs on handy front panel hook when not in use.

Has automatic volume control and noise limiting; high audio output overrides background noise; transmitter section's critical wiring is on printed circuitry to assure frequency stability. A pleasure to build—you're guided through each and every step by the world's finest "do-it-yourself" instructions. With all parts, mike, wire-type doublet antenna; less transmit crystals, below. Operates on 110-125 v., 60 cycle AC. For 12 VDC mobile operation, use power supply below. Size, 6 1/4"x11 1/4"x7 1/4". Wt., 12 lbs.

83 Y 713-J. \$5 Monthly..... **ONLY 39.95**

USEFUL ACCESSORIES FOR C-11 TRANSCEIVERS

83 Y 724-J. Mobile Mounting Bracket. For under-dash mounting. 3 lbs. . . . **4.95**

83 Y 937-J. 12-Volt Mobile Power Supply Kit. Shpg. wt., 5 lbs. . . . **ONLY 7.95**

83 YY 921. Transmitting Crystal. Channels 1-22, specify. 3 oz. . . . **ONLY 2.50**

34 **ALLIED** Use Your Credit Fund . . . See Page 456

UNLIMITED APPLICATIONS

Auto-to-Home



Truck-to-Dispatcher



Work Crew-to-Foreman



Office-to-Warehouse



Ship-to-Shore



Repair Shop-to-Service Car

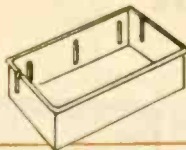


Farming Uses . . .
Tractor-to-Barn

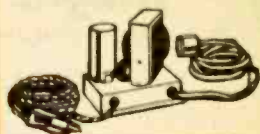




Mobile Under-Dash
Mounting Bracket



Power Supply for
Mobile Operation



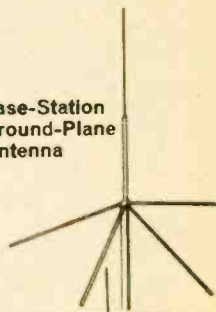
Coax for Base
Station



2 Transmitting
Crystals



Base-Station
Ground-Plane
Antenna



Coax for
Mobile
Station



Stainless Steel Whip
with Bumper Mount,
Chrome-Plated Hdwe.

Complete 2-Station Base / Mobile CB System

Complete
System

\$113⁹⁵

- Everything You Need for 2-Way CB Communications—Nothing More to Buy!
- Features 2 Efficient, Easy-to-Build Knight-Kit C-11 Transceivers
- Auto-to-Home, Auto-to-Office and Many More Uses
- Comes With Famous Knight-Kit Step-by-Step Assembly Instructions

Here's a budget-priced Knight-Kit exclusive—your own mobile/base communications system in one easy-to-build package! It's perfect for auto to home, auto to office, truck to garage, and a host of other business, personal and farm applications. And you save \$7.36 on the cost of the components in the bargain!

System includes: 2 Knight-Kit C-11 Transceiver Kits with Ceramic Microphones; choice of 2 Transmitting Crystals; 12-Volt Mobile Power Supply Kit with Cables; Mobile Under-Dash Mounting Bracket; Ground-Plane Antenna for base station; Whip Antenna with Bumper Mounting Strap; Connectors; 65 Feet of weatherproofed RG58/U Coaxial Cable for transmission line.

Full-sized 1/4-wave ground plane provides efficient 360° coverage—has U-bolts for pipe or mast up to 1 1/2" dia. (Less mast.) Stainless whip has bumper strap and chrome-plated hardware. For 110-125 v., 60 cycle AC and 12 v. DC. With 2 transmitting crystals (specify ch. 1-22), tubes, parts, easy instructions. Wt., 56 lbs.

22 HF 041-J. \$6 Monthly ONLY 113.95

MOBILE STATION PACKAGE. Add this mobile station to the system at left to have 2 separate mobile units contacting your base station. Includes: 1 Knight-Kit C-11 Transceiver Kit with Mike; 12-Volt Power Supply Kit with Cables; Under-Dash Mounting Bracket; 1 Transmitting Crystal; 102" Whip with Bumper Mounting Strap; 15 Feet of RG58/U Coax; Connectors. For 12 v. DC. With transmitting crystal (specify channels 1-22), all parts, and step-by-step instructions. Wt., 28 lbs.

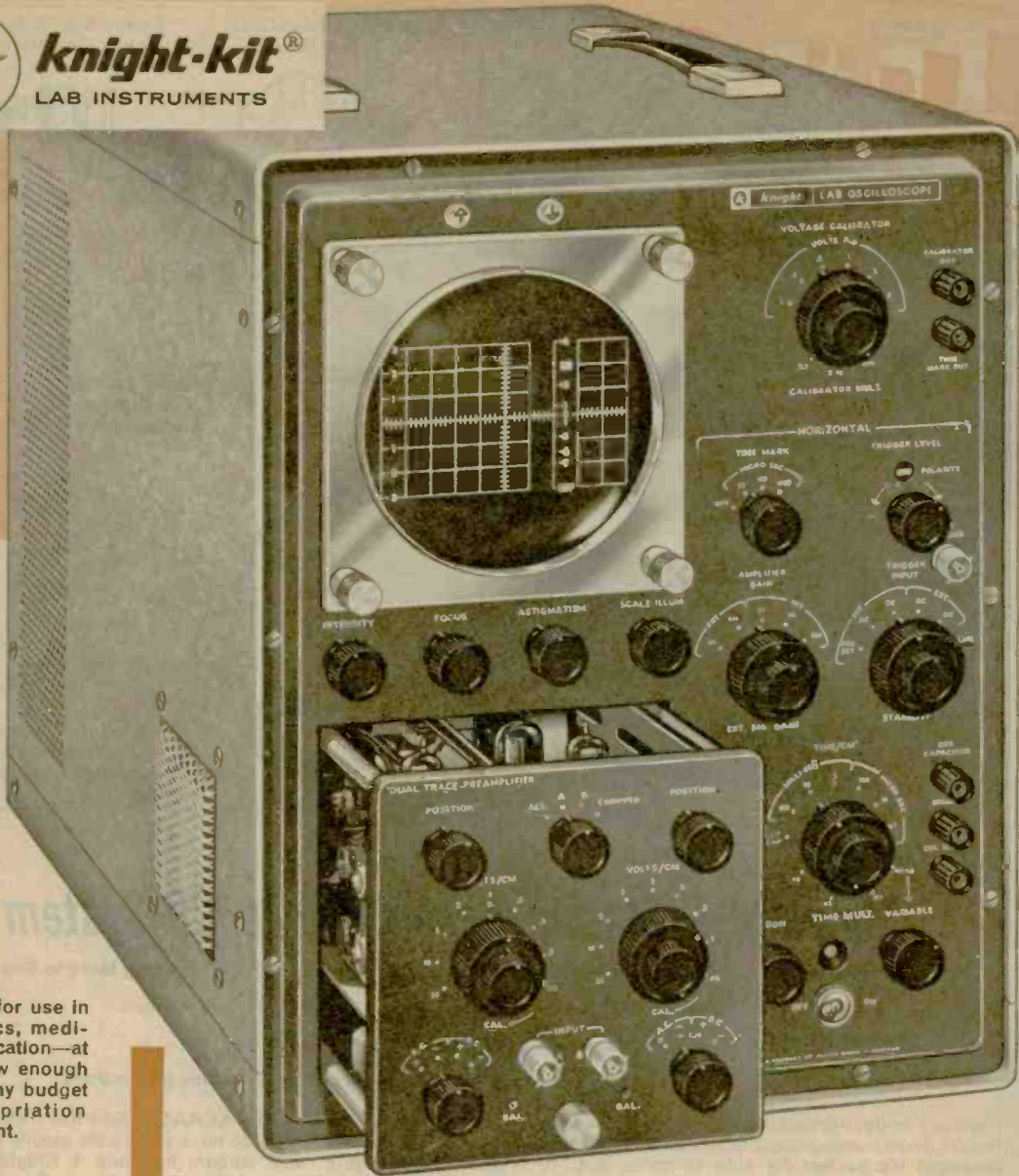
21 HF 065-J. \$5 Monthly ONLY 63.50

BASE STATION PACKAGE. Lets you add another base station to your present system, or to the base/mobile system at left. Package consists of: 1 Knight-Kit C-11 Transceiver Kit with Microphone; 1 Transmitting Crystal of your choice; all-directional Ground-Plane Antenna; 50 Feet of RG58/U Coax for transmission line; Connectors. For 110-125 v., 60 cycle AC. With transmitting crystal (specify channels 1-22), all parts, and step-by-step instructions. Wt., 28 lbs.

21 HF 064-J. \$5 Monthly ONLY 51.50

Build-It-Yourself and Save with Knight-Kit

ALLIED 35



designed for use in electronics, medicine, education—at a price low enough to meet any budget or appropriation requirement.

in research laboratories



on production lines

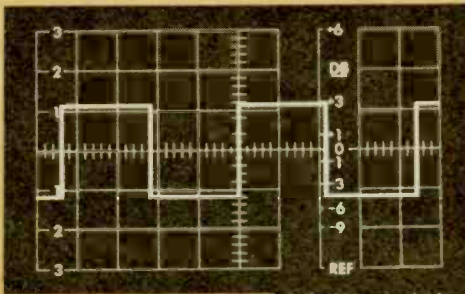


at-home engineering

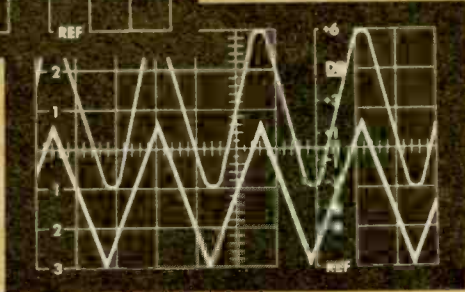


In schools, institutions





SINGLE TRACE PATTERN



DUAL TRACE PATTERN

the only research-quality scope in kit form...

10-mc DC Lab Oscilloscope Kit

WITH INTERCHANGEABLE VERTICAL PREAMPLIFIERS

Only
\$395⁰⁰
less preamps

- Vertical Frequency Response from DC to 10 Mc
- DC-Coupled Triggered Sweep; Up to x20 Expansion DC-Coupled Amplifiers
- Less Than 40 Nanoseconds Rise Time
- Preamps for Dual Trace or Differential/High Gain
- 1% Sweep Timing Accuracy with Built-In Markers

Meeting or surpassing the most stringent requirements of industry and laboratory, this years-ahead 10-mc DC Lab Scope represents your finest value in a professional instrument. Accuracy, reliability and versatility, plus ingenious modular construction for rapid and efficient assembly, make this precision kit comparable to factory-assembled units selling for over double its price!

Trigger and amplifier circuits are DC coupled for uses where very low frequencies, or DC levels must be displayed. Push-pull amplifiers and electronic power supply regulation assure top stability. CRT deflection plate connections are brought out through the glass—eliminates socket capacity and reduces drive requirements—assures wide frequency response to 10 mc. Sweep timing accuracy is adjustable to 1% with built-in markers. Optional plug-in, interchangeable vertical preamps fulfill almost every scope requirement.

Time-mark and voltage calibrator outputs are available at the front panel for external use. A complete cooling system assures long component life and continuous duty operation. Printed circuitry and modular assembly provide building ease and quick access for calibration and maintenance. With all parts, detailed instructions and operator's handbook. Less preamps, below. 16 1/2 x 12 1/2 x 21 1/2". For 105-130 volts, 60 cycle AC. Shpg. wt., 60 lbs.

83 YZ 945-J. \$18 Monthly... ONLY 395.00



DIFFERENTIAL PREAMP KIT

Cancels unwanted or Interfering signals. 5000-1 rejection for common mode signals. Also serves as high-gain preamp—responds to as low as 1 mv signal. DC to 100 kc response. Calibrated, 1 mv/cm to 50 v/cm, in 15 steps. (Variable). 5 lbs.

83 YZ 946-J. \$5 Monthly... 59.95



DUAL-TRACE PREAMP KIT

Provides independent or simultaneous presentation of wave form from each channel from DC to 10 mc in 9 steps. Dual step-type attenuators with vernier for P-P measurements. Rise time, 40 nanosec. Range, .05 v/cm to 20 v/cm. 5 lbs.

83 YZ 948-J. \$5 Monthly... 79.95

83 Y 977-J. Blank Preamp Chassis Kit. (not illus.) With panel and three matching knobs. 2 1/2 lbs... ONLY 7.95

83 Y 949-J. Low-Capacity Probe. (not illus.) Ready to use. Minimizes circuit loading. 2 lbs... ONLY 16.50

SPECIFICATIONS

VERTICAL—Using Dual-Trace Preamp. **BANDWIDTH**, DC to 10 mc, within 3 db down. Reference to 50 kc, with vertical display height of 2 cm. **RISE TIME**, 40 nsec, vertical display height of 2 cm or less. **SENSITIVITY**, 50 mv/cm to 20 v/cm. **INPUT IMPEDANCE**, 1 meg shunted by 40 mmf.

HORIZONTAL BANDWIDTH, DC to 2.5 mc within 3 db down. **CALIBRATED SWEEP RANGE**, 0.5 sec/cm to 50 nsec/cm in 30 ranges by use of basic sweep ranges (100 msec, 10 msec 1 msec; 100 microsec, 10 microsec, 1 microsec) and amplifier gain (X1, X5, and X20); also horizontal sweep 10:1 multiplier vernier control. Provision for external capacitor for very slow sweeps.

SENSITIVITY, Approx 0.1 v/cm and 1 v/cm. 10 to 1 attenuator. Gain control. **TIME MARKS**, Intensity modulated at 10 microsec, 100 microsec and 1000 microsec intervals—at front panel. Adjustable sweep timing accuracy to 1%. **TRIGGERING**, **SENSITIVITY**, 100 mv external, 2 mm deflection internal. **INPUTS**, line, external AC or DC, and preset. **LEVEL**, adjustable for triggering at selected waveform points.

VOLTAGE CALIBRATOR, 1 kc square wave. 10 mv to 50 v., peak-to-peak ± 1%, in 12 steps. Output available at front panel. **LOW-VOLTAGE POWER SUPPLY**, regulated —150, +100, +250, and +420 volts. **HIGH-VOLTAGE SUPPLY**, regulated —1750 and +3500 volts. **POWER CONSUMPTION**, 400 watts with Dual-Trace Preamp. **NUMBER OF TUBES**, 38 (excluding preamplifiers) plus WX5006/P2 post-accelerator CRT and 15 diodes. **POWER REQUIREMENTS**, 105-130 volts, 60 cycle AC.



MOBILE TRANSPORT CART

Steel frame. Swivel top locks in 2 positions. Ht., 36 1/2 to 28 1/2". Wt., 15 lbs.

83 YU 677-J. \$5 Monthly... ONLY 39.95

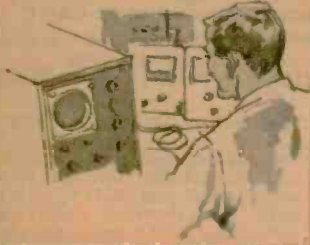


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TEST INSTRUMENTS



FOR USE IN . . .

research laboratories



at-home engineering

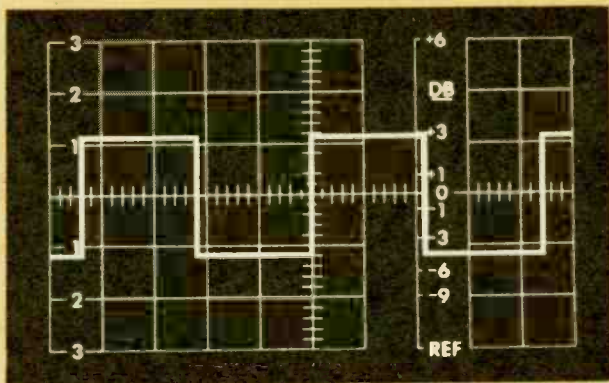


classrooms



Industrial service





ANOTHER FIRST FROM KNIGHT-KIT! . . . PRESENTING THE NEW

Knight-Kit KG-2000 Professional DC to 5 Mc Scope

Only
\$184⁹⁵
 \$10 monthly

- Wide Vertical Frequency Response from DC to 5 Mc; 85 Nsec Rise Time
- DC-Coupled Amplifiers—Shunt-Series Peaking for Faithful Pulse Reproduction
- Triggered-Sweep—200 Nanoseconds/cm Down to .05 Seconds
- Has Stable Voltage-Regulated Power Supply; Freq.-Compensated Attenuators
- Illuminated Graticule; Vertical Position Indicators; Flat Face 5" CRT

Precision, reliability, and highest quality engineering are vital test equipment necessities in this space-age. In answer to this demand, Knight-Kit presents the scope that engineers, technicians and servicemen have been waiting for. Performance is of a caliber that meets virtually any requirement in lab or shop.

The wide frequency response of the vertical amplifier (DC to 5 mc) permits the display of pulses of fast rise time. Trigger and amplifier circuits are DC coupled throughout, for applications where very low frequencies or DC levels must be displayed. Vertical off-scale indicators are provided for maximum convenience in viewing traces. Horizontal displacement design is such that the pattern is never off scale to the left or right.

Preset lock-in of the signal eliminates the need to synchronize the sweep with input signals of various amplitudes or frequencies. Preset may be disabled; a separate control permits locking in on any portion of a signal, including a choice of positive or negative slope.

Other features include: choice of internal or external triggering; facilities for feeding the internal horizontal amplifier externally; adjustments for intensity, focus, astigmatism and positioning; DC coupled vertical and horizontal amplifiers; camera mounting studs for standard camera mounts; BNC type connectors; and voltage regulated power supplies for best stability.

Uses triggered/driven sweep; A signal as small as 1/2 cm on the CRT face will permit triggering. Speed is adjustable from 1 microsecond/cm to 50 milliseconds/cm. An external capacitor can be connected to external binding posts for slower sweep speeds. Includes X5 expand with switch control. Sweep timing accuracy capability within 3%.

Controls grouped by function for fast use. Graticule illumination adjustable. Black knobs, white and red markings. With all parts, CRT, instructions. 14 1/4 x 10 1/8 x 15 1/2". For 105-125 v., 50-60 cycle AC. 30 lbs.

83 YU 910-J. \$10 Monthly ONLY 184.95
83 Y 949-J. Low-Cap Probe. 2 lbs. ONLY 16.50

SPECIFICATIONS

VERTICAL BANDWIDTH ON DC: DC to 5 mc, 3 db down. Reference to 1 kc, with vertical display height of 6 cm. (.05 v/cm to 20 v/cm).
VERTICAL BANDWIDTH ON AC: With AC Preamp in .005, .01 and .02 v/cm ranges, 5 cps to 1.5 mc, 3 db down. Reference to 1 kc, with vertical display height of 6 cm. On ranges from .05 to 20 v/cm, AC frequency response is 5 cps to 5 mc, 3 db down.
RISE TIME: 85 nsec, vertical display height of 6 cm or less.
SENSITIVITY: DC coupled, .05 v P-P/cm. AC coupled, .005 v P-P/cm.
INPUT IMPEDANCE: 1 megohm shunted by 40 mmf.
CALIBRATION VOLTAGE: .1 v P-P, ±5% at front panel.
LOW-VOLTAGE POWER SUPPLY: Regulated, -150, +165, +365 volts.
HIGH-VOLTAGE SUPPLY: -1900 volts, regulated.
POWER REQUIREMENTS: 105-125 volts, 50 to 60 cycle AC.
POWER CONSUMPTION: 175 watts.
NUMBER OF TUBES: 21, excluding CRT, plus 7 diodes. Cathode Ray Tube with flat face and P2 phosphor.

HORIZONTAL BANDWIDTH: DC to 200 kc within 3 db down.
SENSITIVITY: Approximately .15 v/cm. Has variable attenuator.
INPUT IMPEDANCE: 1 megohm
SWEEP RANGE: .05 sec/cm to 200 nsec/cm in 16 ranges by use of basic sweep ranges (10 millisecc, 1 millisecc, 100 microsec, 10 microsec, 1 microsec) and horizontal sweep plus X5 expansion. 10:1 multiplier vernier control; Multiplier switch. Provision for adding external capacitor for very slow sweeps. Sweep timing accuracy capability within 3%.
TRIGGERING: Sensitivity, 200 mv external, 1/2 cm deflection internal. Inputs, line, external AC and DC, internal AC and DC. Level adjustable to provide triggering at selected points on waveform, or preset.
CRT DISPLAY AREA: 6x10 cm.
VERTICAL SCALE CALIBRATION: +6 to -9 db; x and y linear grid.
SIZE: Height, 14 1/4"; Width, 10 1/8"; Depth, 15 1/2".
COLOR: Light grey case—dark grey panel with red and white markings.
SHIPPING WEIGHT: 30 pounds.

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ALLIED 39



knight-kit®

TEST EQUIPMENT

WITH TEST LEADS



ACCURATE, DEPENDABLE AND PERFORMANCE-PROVEN IN THE FIELD

Knight-Kits are the number one choice of the serviceman, technician and hobbyist . . . and all others who must get the most for their test equipment dollar.

Famous-For-Quality Electronic VTVM Kit

SPECIFICATIONS

DC VOLTMETER

Ranges: 0-1.5-5-15-50-150-500-1500 full scale. With optional HV Probe reads to 50,000 volts.

Input Resistance: 11 megohms (1 meg in probe) to 1500 v scale.

Accuracy: $\pm 3\%$ of full scale.

AC VOLTMETER

RMS Ranges: 0-1.5-5-15-50-150-500-1500 volts full scale.

Peak-to-Peak Ranges: 0-4.2-14-42-140-420-1400-4200 volts.

Decibels: -10 to +65 (7 ranges); Response: 30 cps to 3 mc, ± 1 db; 30 cps to 5 mc, ± 3 db. To 250 mc with optional HF Probe.

Accuracy: $\pm 5\%$ of full scale.

OHMMETER

Ranges: 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 megohms.

Center Scales: 10, 100, 1000, 10,000, 100,000 ohms; 1, and 10 megohms.

Battery: $1\frac{1}{2}$ volt, size "C."

TUBE COMPLEMENT

Meter Bridge: 12AU7A
Full-Wave Rectifier: 6AL5
B+ Supply: Selenium rectifier.

Only
\$26⁹⁵
\$5 monthly

- 11-Megohm Input Resistance Minimizes Circuit Loading
- Precision 1% Multiplier Resistors for High Accuracy
- 200-Microamp Movement—Large $4\frac{1}{2}''$, Two Color Scale
- Provision for Convenient External Calibration

Offering the big "plus"—up-to-the-minute design, the precision Knight-Kit VTVM stands unequalled in both performance and value. All the quality that years of experience and research in the field of kit development can provide has been incorporated in this superb unit. Components of the finest quality—coupled with famous Knight-Kit easy, positive assembly—produce the kind of Vacuum Tube Voltmeter demanded by the quality-conscious technician, serviceman, and "do-it-yourself" enthusiast.

Highlights include: low-leakage type switches; finest grade printed circuitry; film-type 1% precision resistors and multipliers; easy-to-read, two-color $4\frac{1}{2}''$ meter with 200-microamp sensitivity; zero-center scale plus direct reading type decibel scale; DC polarity reversing switch; push-pull balanced-bridge circuit for maximum accuracy and meter protection; and 11 megohm input impedance to reduce circuit loading—assures true readings.

Step-by-step instructions with giant-size picture diagrams are easy to follow. Gray metal case, charcoal gray panel, plus black vinyl carrying strap. With tubes, wire, solder, 3 test leads, battery, and all parts. Size, $7\frac{1}{2}'' \times 5\frac{3}{4}'' \times 4\frac{1}{4}''$. For 110-125 volts, 60 cycle AC. Shpg. wt., 7 lbs.

83 Y 125-J. \$5 Monthly. **ONLY 26.95**
83 Y 504-J. As above, but factory-wired. \$5 Monthly. **ONLY 39.95**

83 Y 126-J. High Voltage Probe Kit. To 50,000 VDC. $1\frac{1}{2}$ lbs. **ONLY 4.50**
83 Y 127-J. High Frequency Probe Kit. To 250 mc on AC. $1\frac{1}{2}$ lbs. **ONLY 3.50**



WITH TEST LEADS



WITH TEST LEADS

Best Buys in Easy-To-Assemble, Accurate VOM Kits

1000 OHMS/VOLT VOM KIT

Only \$15⁹⁵
new low price

- 4 1/2" Meter; 400-Microamp Movement
- 1% Precision Resistors and Multipliers
- 12-Position Range Switch; 38 Ranges
- Complete with Test Leads and Battery

Measure AC-DC volts, current and resistance with this outstanding value VOM that has 1000 ohms-per-volt sensitivity on both AC and DC. Reliable and versatile, it features a big 4 1/2" meter with large, two-color, easy-to-read calibrations. All multipliers used are precision, 1% film-type resistors that provide high accuracy and continued dependability. Has 38 ranges to cover most general-type measurements.

Assembles and is ready for use in a matter of a few hours. Step-by-step instruction manual is clearly written and well-illustrated to guide your every move. A "How to Use" section helps you take advantage of all the capabilities of this performance-proven meter. Has black bakelite case with carrying strap. Includes battery, test leads, wire, solder, and all parts. 6 3/4" x 5 1/4" x 2 3/4". Wt., 3 lbs.

83 Y 128-J. \$5 Monthly. ONLY 15.95

83 Y 429-J. Above Kit, but with 5% tolerance resistors in place of 1% values. Shpg. wt., 3 lbs. **ONLY 13.95**

SPECIFICATIONS

AC, DC, and Output Volts: 0-1-5-10-50-100-500-5000 volts; 7 ranges each.
Resistance: 0-1000-100,000 ohms; 0-1 megohm (center scale at 60, 150 and 1500 ohms); 3 ranges.
Current: 0-1-10-100 ma; 0-1 amp AC or DC; 4 ranges ea.
Decibels: -20 to +69; 6 ranges.
Meter Sensitivity: 400 μ a full scale.
Accuracy: 2% of full scale.

20,000 OHMS/VOLT VOM KIT

Only \$29⁹⁵
\$5 monthly

- 4 1/2" Meter; 50-Microamp Movement
- One-Knob Range-Function Switch
- Accurate Within 2% of Full Scale
- 1% Precision Resistors and Multipliers

You get the most for your money—outstanding quality and performance—with this time-tested, carefully engineered VOM. An indispensable test instrument, you'll find that it soon pays for itself. Its 50-microamp meter sensitivity provides 20,000 ohms-per-volt input resistance on DC to assure accurate measurements in critical circuits. For AC voltage tests, input resistance is 5000 ohms-per-volt.

All multipliers are 1% precision resistors; meter, a part of the panel, has an easy-to-read 4 1/2" scale, accurate to 2% of full scale reading; front panel zero adjust control; single switch for selection of function and range.

Building the Knight-Kit VOM is a pleasant and rewarding experience. Step-by-step instructions and comprehensive picture diagrams guide you every move. Black bakelite case, with carrying strap. 32 ranges. With test leads, batteries, wire and solder. 6 3/4" x 5 1/4" x 2 3/4". 4 lbs.

85 Y 140-J. \$5 Monthly. ONLY 29.95

SPECIFICATIONS

AC, DC, and Output Volts: 0-2.5-10-50-250-1000-5000 volts; 6 ranges each.
Resistance: 0-2000-200,000 ohms; 0-20 megohms (center scale at 12, 1200, 120,000 ohms); 3 ranges.
DC Current: 0-0.1-10-100 ma; 0-1-10 amps; 5 ranges.
Decibels: -30 to +63; 6 ranges.
Meter Sensitivity: 50 μ a full scale.
Accuracy: 2% of full scale.



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TEST INSTRUMENTS



WITH
LEADS



**COMPARE FEATURES . . .
THEN COMPARE PRICE!**

- Vertical Response to 5 mc
- High-Speed Sweep (to 600 kc)
- Cathode-Follower Inputs
- Deflection-Plate Coupling
- High-Intensity Trace
- Positive and Negative Sync
- Internal Astigmatism Set
- 1-Volt P-P Calibrator
- Rear-Mounted Z-Axis Input
- Ideal for Color TV

Only
\$69⁹⁵
\$5 monthly

High-Sensitivity 5" Wide-Band Scope Kit

the lowest priced oscilloscope kit with the all important extra features . . .
your best value for color and black and white television servicing.

Wide sweep range, broad response and high sensitivity make this popular Knight-Kit a best buy for shop and lab alike. With highest quality components throughout its expertly designed circuitry, this top performer is simply great for color as well as black and white TV servicing, plus hundreds of other applications. Makes your service work easier and faster—increases profits.

Push-pull vertical and horizontal amplifiers with cathode-follower inputs assure minimum circuit loading and almost zero wave-form distortion. 2nd anode voltage of 1400 volts provides a high-intensity trace. Excellent synchronization on complex wave-forms is achieved by positive and negative locking. Includes frequency-compensated input attenuator, 1-volt P-P calibrator, internal astigmatism control, retrace blanking, Z-axis input, and directly coupled vertical and horizontal positioning controls.

Uses 2 printed circuit boards and a laced wiring harness for quick, reliable assembly. Handsome gray steel case, 14 1/2"x10 1/2"x15 1/2", has charcoal gray panel. With test leads, 5UP1 CRT, all parts, wire, solder, instructions. For 110-125 v., 60 cycle AC. Shpg. wt., 28 lbs.

83 YU 144-J. \$5 Monthly. ONLY 69.95

83 YU 502-J. As above, but factory wired. \$6 Monthly. ONLY 109.95

SPECIFICATIONS

VERTICAL AMPLIFIER SENSITIVITY 25 mv (RMS) per inch. **VERTICAL AMPLIFIER RESPONSE**, ±3 db, 5 cps to 5 mc; only 1 db down at 3.58 mc color burst frequency. **VERTICAL AMPLIFIER INPUT IMPEDANCE**, with X1 sensitivity—2.9 megohms and 21 mhf; with X0.1 and X0.01 sensitivity—3.4 megohms and 12 mhf.

HORIZONTAL AMPLIFIER RESPONSE, down only 3 db at 600 kc; down only 4 db at 1 mc. Locks in as high as 9 mc. **HORIZONTAL AMPLIFIER SENSITIVITY**, 600 mv (RMS) per inch. **SWEEP GENERATOR RANGE**, 15 cps to 600 kc. **SWEEP GENERATOR SYNCHRONIZATION**, internal positive internal negative, external, and line frequency.

POWER SUPPLIES, low voltage supply has 6X4 rectifier with 6C4 voltage regulator. High voltage supply has 1V2 rectifier producing approximately 1400 volts to CRT for high-intensity trace. **CALIBRATOR**, 1 volt Peak-to-Peak at front panel. **CATHODE RAY TUBE**, 5UP1.

ACCESSORY PROBE KITS

83 Y 147-J. 12-Mmf Low-Capacity Probe Kit. Shpg. wt., 10 oz. **ONLY 3.75**

83 Y 148-J. 250-Mc RF Demodulator Probe Kit. Wt., 8 oz. **ONLY 3.75**



VOLTAGE CALIBRATOR KIT. Makes your scope an accurate voltage measuring instrument. Provides variable square wave from .01 to 100 volts. Has switch for comparing external signal. 7 1/2"x5 3/4"x4 1/4". For 110-125 v., 60 cycle AC. 4 3/4 lbs.

83 Y 136-J. ONLY 12.95





Counter Model



Portable Model...
Perfect For In-Home Servicing!
Weighs Just 11 lbs.

Our Finest Emission-Type Tube Tester Kits

Only
\$39⁹⁵
\$5 monthly

- Check Over 1900 Receiving, TV and HI-FI Tubes
- Provision for Settling Up Future Tube Types Quickly
- Multi-Colored, Easy-to-Read "GOOD-?-REPLACE" Scale
- Also Check for Shorts, Open Elements and Leakage

MODEL 600-A PORTABLE. Equip your shop or hobby corner with this dependable, low-cost Knight-Kit Tube Tester. With this handsomely styled unit on your test bench, you can check over 1900 tubes—including the very latest types! Sockets accept novistors, compactrons, novars, 4, 5, 6, and 7-pin large, 7, 9, 10-pin miniatures, octals, loktals, and pilot lamps.

Tube performance is accurately measured by the amount of cathode emission. The large, full-view meter clearly shows tube condition by a three-color, "GOOD-?-REPLACE" scale. A neon indicator shows filament circuit continuity and leakage or shorts between elements. Line-adjust circuit is provided to correct for variations in line voltage and maintain proper testing conditions. Filament switch lets you select 16 different voltages from 0.63 to 117 volts.

Illuminated roll chart features a smooth action thumbwheel drive. Supplied complete with all parts, wire, solder, and easy-to-follow instructions. In gray fabrikoid-covered portable wood case with handle. 6½x14½x10½". For 110-125 v., 50-60 cycle AC. Shpg. wt., 13 lbs.

83 YX 636-J. \$5 Monthly **ONLY 39.95**
87 YX 518-J. As above, but factory wired **ONLY 53.95**

MODEL 600-A BENCH OR COUNTER TUBE TESTER KIT

Includes the same outstanding features as the Knight-Kit 600-A Portable Tube Tester described above, except tester is housed in a sturdy gray steel case. Size, 5½x14½x10½". Shpg. wt., 15 lbs.

83 YX 635-J. \$5 Monthly **ONLY 35.95**
87 YX 519-J. As above, but factory wired **ONLY 49.95**

ACCESSORIES



A TV PICTURE TUBE HARNESS. For checking picture tubes up to 90° on Model 600-A Tube Testers. 8 oz.
83 Y 141 **ONLY 4.50**

B 110° ADAPTERS. For TV tube harness above, checks 110° picture tubes. 2 oz.
83 Y 271. Set of 2. **ONLY 3.04**

REPLACEMENT ROLL CHART. For updating previous Knight-Kit 600 and 600-A Testers. 2 oz.
83 Y 117 **ONLY 1.50**

CONVERSION KIT. Check novistors, novars, compactrons, 10-pins on older Model 600 Testers. Uses existing socket on checker. Shpg. wt., 2 lbs.
83 Y 633 **ONLY 3.95**

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TEST EQUIPMENT



WITH TEST LEADS



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Time Saving Resistor and Capacitor Testing Kits

RESISTOR-CAPACITOR TESTER KIT

Only
\$19.95

- Proven Bridge-Method Measurement
- Tests Capacitors at Rated DC Voltage
- Measures Resistance to 5 Megohms
- Indicates Power Factor Directly

\$5 monthly

The Knight-Kit R/C Tester Kit is an extremely versatile, highly accurate test unit. Specifically designed for top-notch performance in the service shop, lab, or on production lines, it will save you work and trim valuable time from hundreds of servicing and testing jobs.

Resistances and capacitances are measured with an accuracy of $\pm 10\%$ by the dependable AC-operated bridge method. Power Factor test provides a direct-reading indication of electrolytic capacitors' efficiency. Leakage checks, with appropriate voltages applied, show the true condition of the component—open, shorted, leaking.

Has a large, easy-to-read dial and "magic eye" null indicator, to show resistance and capacity values at a glance. Gray wrinkle case with charcoal gray panel. With tubes, pre-cut wire, solder and instructions. $7\frac{1}{2} \times 10\frac{1}{2} \times 5\frac{1}{2}$ ". For 110-125 v., 60 cycle AC. 10 lbs.

83 Y 124-J. \$5 Monthly ONLY 19.95

83 Y 503-J. As above, but factory wired. ONLY 29.95

SPECIFICATIONS

Resistance Ranges: RX1—100 to 50,000 ohms; RX100—10K to 5 megohms.

Capacity Ranges: C1—0.0001 to .005 mfd; C2—.001 to .5 mfd; C3—.1 to 50 mfd; C4—20 to 1000 mfd.

Leakage Test Voltages: 50, 150, 250, 350, 450 volts DC.

Power Supply: Transformer operated half-wave rectifier.

"IN-CIRCUIT" CAPACITOR CHECKER KIT

Only
\$14.95

- No Capacitor Unsoldering Required
- Wide Range—20 Mmf Thru 2000 Mfd
- "Magic-Eye" Shows Opens or Shorts
- Very Easy to Build and Operate

The Knight-Kit "In-Circuit" Capacitor Checker Kit actually permits testing capacitors while they are wired in the circuit. This valuable, time-saving feature is a real boon to servicemen, technicians, and hobbyists who maintain electronic equipment. There's no need to unsolder connections—just connect the test leads across the suspected component, press the proper switch, and the "magic eye" shows open or short condition (not leakage).

Checks by-pass, blocking, coupling and filter capacitors. The test for opens and shorts can be made on any capacitor of 20 mmf or greater capacity, even if the capacitor is in parallel with a resistance as low as 50 ohms. The test for shorts can be made on any capacitor up to 2000 mfd, even when shunted by as low as 50 ohms. You get accurate readings at a glance—important when testing the many capacitors in today's TV sets, radios, hi-fi, etc.

Has a sturdy steel case with attractive gray finish and contrasting charcoal gray panel; black vinyl handle for ease of portability. No special tools are required for assembly—a soldering iron, screwdriver and pliers are all you need. Clearly written step-by-step instructions plus wall-sized picture diagrams make assembly a marvel of simplicity. Complete with all parts, pre-cut wire, solder, test leads and builder's manual with easiest-to-follow step-by-step instructions. Size, $7\frac{1}{4} \times 5\frac{1}{2} \times 5$ ". For operation from 110-125 v., 60 cycle AC. 6 lbs.

83 Y 119-J. ONLY 14.95



WITH TEST LEADS



WITH TEST LEADS AND BATTERY

Lowest-Cost, Accurate Bench Equipment

FLYBACK AND YOKE CHECKER KIT

Only
\$21⁹⁵

- Indispensable for TV Servicing
- Large, Easy-to-Read 4½" Meter
- Self-Contained Power Supply
- Positive Good or Bad Readings

\$5 monthly

First choice for the budget-minded TV technician and servicer! You'll race through TV deflection circuit repairs with this low-cost kit. Instantly checks on the condition of all types of horizontal output transformers and deflection yokes, as well as linearity and width coils in TV sets. Provides an accurate test of any standard component with shorted turns and continuity checks.

Positively indicates the presence of shorted turns for any coil with a Q greater than 1, and an inductance between .0003 henry and 2 henries. Determines the continuity of any circuit with a resistance between 0 and 0.5 megohms. A 4½" full-view meter with 400-microamp sensitivity provides clear and accurate readings. Circuit uses a 6S4A tube in a pulsed oscillator arrangement. Has a self-contained power supply of the isolation transformer type, for full safety during servicing of any type TV set.

This versatile, valuable addition to the test bench is also unusually easy to build. Assembly can be completed in a matter of hours using only the simplest of tools—you need just a screwdriver, long-nose pliers, and a soldering iron or gun. The well-illustrated manual, in addition to containing step-by-step instructions, also includes helpful hints on getting the most out of this fine instrument. Gray metal case has black vinyl handle; charcoal gray panel. With all parts, wire, solder. 7¾x5¾x5" For 110-125 v., 60 cycle AC. 6 lbs.

83 Y 118-J. \$5 Monthly ONLY 21.95

TRANSISTOR AND DIODE CHECKER KIT

Only
\$8⁹⁵

- Checks Leakage-to-Gain Ratio
- 1-ma Dynamometer-Type Meter
- Use For Matching Transistors
- Checks Diodes and Rectifiers

Here's a handy tester that fills a real need for experimenters, hobbyists, radio and TV servicemen, students—anyone requiring a compact and reliable checker for testing transistors, diodes, and rectifiers. The Knight-Kit Transistor and Diode Checker measures the leakage-to-gain ratio of all types of junction, point contact and surface barrier transistors. In addition, matched pairs of transistors, whether they be of similar or dissimilar types, can be precisely selected by checking and comparing their leakage and gain currents.

Germanium and silicon diodes plus selenium and copper oxide rectifiers can be checked for excessive reverse current conduction, and for front-to-back conduction ratio. Another important feature is the provision that enables the user to listen to the noise generated by a transistor. This noise level test makes it possible to carefully select low noise transistors for use in high gain stages. Either a signal tracer or headphones can be used with tester for these noise level measurements.

Highlights include: spring-return leakage gain switch, adjustable forward current control, separate sockets for PNP and NPN transistors, sensitive, Dynamometer-type movement, self-contained 22½ volt battery. Housed in bakelite case with lustrous aluminum panel. Complete with all parts, test leads, battery and easy, step-by-step instructions. Size, 6¼x3¼x2½". Shpg. wt., 2 lbs.

83 Y 149-J..... ONLY 8.95



knight-kit[®]
TEST EQUIPMENT



WITH TEST LEADS



WITH TEST LEADS

Pace-Setting Best Buys In RF And Sweep Generators

RF SIGNAL GENERATOR KIT

Only
\$19⁹⁵

- 160 kc to 112 mc On Fundamentals
- Precision-Wound Coils Throughout
- Three Outputs: Modulated, Unmodulated, and 400 cps Audio

\$5 monthly • Can Be Used With External Modulation

Build this time and labor-saving trouble-shooter—get big savings over the cost of comparable factory-wired equipment. This extremely stable signal generator's wide fundamental output is divided into five separate bands. A large, clearly calibrated dial, vernier drive and easy-to-grip knob permit exceptionally high accuracy in the setting of individual frequencies. Excellent for use as a marker generator. Has step and continuous-type attenuator controls for precise adjustment of output. Uses precision-wound coils in a Colpitts circuit—requires no calibration.

Output can be unmodulated (also jack for external modulation), or modulated by 400 cps built-in oscillator. 400 cps at 10 volts externally available. Gray case—charcoal gray panel. Includes all parts, wire, solder, instructions. 7 $\frac{1}{4}$ x 10 $\frac{1}{8}$ x 5 $\frac{1}{4}$ ". For 110-125 v., 60 cycle AC. 11 lbs.

83 Y 145-J. \$5 Monthly..... ONLY 19.95

83 Y 516-J. As above, but factory wired..... ONLY 29.95

SPECIFICATIONS

Frequency Ranges: Band A, 160-550 kc; Band B, 550-1850 kc; Band C, 1850 kc-7 mc; Band D, 7-27 mc; Band E, 27-112 mc, all fundamentals; harmonics to 224 mc.

Modulation: 400 cycles.

Audio Output: in excess of 10 volts.

RF Output: In excess of 400,000 microvolts.

RF SWEEP GENERATOR KIT

Only
\$44⁹⁵

- Built-In Crystal Marker Oscillator
- RF Output In Excess of 0.15 Volts
- Flat Output—300 kc to 250 mc

\$5 monthly • Variable Sweep Width—0 to 13 mc

An outstanding, low-cost instrument for TV and FM alignment. Produces a wide, linear, and stable sweep and continuous frequency coverage from 300 kc to 250 mc in 4 bands—all on fundamentals. Excellent for production line testing, electronic training and technical use. Highlights include: electronic retrace blanking; voltage regulation; automatic gain control circuit; electro-mechanical reactance modulator circuit; continuously variable sweep width; built-in crystal marker oscillator with dual crystal socket and switch for selecting either of two marker crystals (not included, listed below).

Complete with all parts, wire, solder and instructions. 8 $\frac{3}{8}$ x 12 $\frac{1}{2}$ x 7". For 110-125 v., 60 cycle AC. 15 lbs.

83 YX 123-J. \$5 Monthly..... ONLY 44.95

83 Y 052-J. 4.5 mc Marker Crystal. $\pm .005\%$. 3 oz. NET 4.80

83 Y 050-J. 5 mc Marker Crystal. $\pm .02\%$. 3 oz. NET 3.95

83 Y 051-J. 10.7 mc Marker Crystal. $\pm .02\%$. 3 oz. NET 3.95

SPECIFICATIONS

Frequency Range: 300 kc-250 mc continuous, 4 bands.

RF Sweep Output: In excess of 0.15 volts, regulated to assure constant output within 1 db on all bands.

Sweep Frequency and Width: 60 cycles; 0-13 mc.

Horizontal Sweep Voltage: 5 volts, RMS; 60 cycle.

Phase Control: Blanking shift 0-180 degrees.



Includes the famous Sulzer Oscillator, developed at the National Bureau of Standards



WITH PROBE

Performance-Proven Equipment at Budget Prices

SINE WAVE AUDIO GENERATOR KIT

Only
\$35⁹⁵

- Full 10-Volt Output, ± 1 db to 1 mc
- Covers 20 cps to 1 mc in 5 Ranges
- Two Cathode-Follower Output Stages for Extremely High Stability

\$5 monthly

Ideal for precise testing of high-fidelity amplifiers, tone-control circuits, speakers, etc.—speeds up and adds highest accuracy to any servicing requiring calibrated, continuously variable audio signals. Features an up-to-date circuit developed by the Bureau of Standards, to give extremely stable, uniform output on all ranges.

The Knight-Kit Audio Generator operates into either high impedance or 600 ohm loads. A step-attenuated output voltage control plus a continuously variable level control allow precise output adjustment. Optimum isolation between oscillator and load is provided by means of a second cathode-follower stage, resulting in exceptional stability. Gray steel case with contrasting charcoal gray panel. Supplied complete with all parts, pre-cut wire, solder and step-by-step instructions with pictorial diagrams and schematic. Size, $7\frac{1}{4} \times 10\frac{1}{4} \times 8\frac{1}{2}$ ". For operation from 110-125 v., 60 cycle AC. Shpg. wt., 15 lbs.

83 YX 137-J. \$5 Monthly..... ONLY 35.95

SPECIFICATIONS

Frequency Coverage: 20 cps to 1 mc in 5 ranges.

Output: Continuously variable and step attenuated, 0 to 10 volts rms into 600 ohms, flat within ± 1 db.

Distortion: Less than .25% from 100 cps to 20 kc. Less than .3% over the entire tuning range. Less than .5% when driving 600 ohms load at 2 volts output.

HIGH-GAIN SIGNAL TRACER KIT

Only
\$26⁹⁵

- Tests RF, IF and Audio Circuits
- High Amplification—Gain of 91,000
- Jacks for External Scope and VTVM
- Binding Posts for External Servicing

\$5 monthly

Build this highly versatile test instrument for your service bench or hobby corner. Permits fast, accurate servicing of radios, TV sets, hi-fi, amplifiers, etc.—lets you check RF, IF, video and audio circuits. Can be used as an audio amplifier for utility purposes, too.

"Magic eye" tube with calibrated attenuators clearly indicates signal presence and permits stage-by-stage gain measurements. Built-in 4" speaker permits audible signal tracing. Wattmeter is calibrated from 25 to 1000 watts for checking electrical devices. Use of a pentode front-end gives remarkably high amplification gain of 91,000—greater than any other unit in this price class!

Binding posts, from internal circuitry, allow easy substitution servicing. Speaker, output transformer, and 280-v. B+ supply may be connected to unit being serviced. Other posts are for direct connection of oscilloscope or VTVM when multiple measurements are required. A 2-position RF-AF probe, supplied, affords complete testing versatility—one position for checking RF, IF and video stages, the other for testing audio frequency stages.

Noise test facilities let you apply DC to volume controls or other suspected components for amplification of noise characteristic. Gray steel case—charcoal gray panel. Complete with wire, solder, probe and instructions. $7\frac{1}{4} \times 10\frac{1}{4} \times 5\frac{1}{4}$ ". For 110-125 v., 60 cycle AC. 12 lbs.

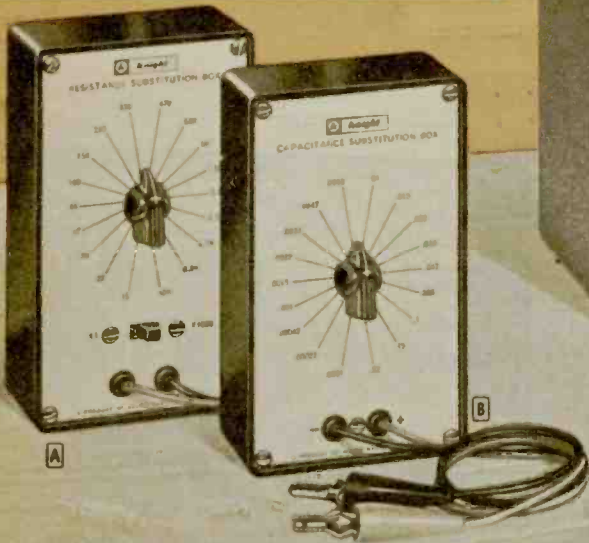
83 Y 135-J. \$5 Monthly..... ONLY 26.95

Knights-Kits Are Guaranteed to Meet With Your Satisfaction

ALLIED 47



knight-kit
TEST EQUIPMENT



Perfect for Servicing Auto Radios, Mobile Ham Gear, Portables, Transistor Radios.

Low-Cost Kits For Every Testing Requirement.

A RESISTANCE SUBSTITUTION BOX KIT

Only
\$5.95

- 36 Different Resistor Values Available In 2 Switch-Selected Ranges
- Rotary Switch for Rapid Settings

This handy resistance substitution box kit provides convenient switch-selection of any one of 36 E.I.A. standard 10% 1-watt resistor values, ranging from 15 ohms to 10 megohms. You can easily find the correct resistance value required in a circuit in seconds—saves valuable time in radio and TV servicing as well as in equipment design. 2 ranges: 15 to 10,000 ohms; 15,000 ohms to 10 megohms. Has 18 position rotary switch for rapid setting. With all parts, leads, alligator clips, instructions, black bakelite case. Size, 6 1/4 x 3 3/4 x 2". Shpg. wt., 1 1/4 lbs.

83 Y 139-J. ONLY 5.95

HANDY 6-12 VDC BATTERY ELIMINATOR KIT

Only
\$38.95

- Current Capacity—15 Amps at 6 Volts, 10 Amps at 12 Volts—Continuous
- Efficient Filter For Low-Ripple Output
- Variable Voltage—0-8 and 0-15 Volts

Whether you're a serviceman, experimenter or hobbyist, you'll find dozens of uses for this heavy-duty power supply. Serves as a ready, reliable source of 6 or 12-volt DC power for servicing auto radios, mobile Ham and communications equipment, hybrid and full transistor radios, vacuum-tube portables, and other low-voltage equipment.

Great, too, as a deluxe power supply for model railroading. Also, its high current capacity permits charging 6 and 12 volt auto batteries overnight. Two panel meters continuously monitor output voltage and current. Meters are calibrated 0-15 VDC and 0-20 amps DC. Two ranges of variable DC output: 0-8, and 0-15 VDC.

Gray metal case, charcoal-gray panel. With all parts, wire, solder, and easy-to-follow, step-by-step instructions. 9x 12 1/4 x 7 3/8". For 105-125 v., 60 cycle AC. 20 lbs.

83 YX 129-J. \$5 Monthly ONLY 38.95
83 YX 505-J. As above, but factory wired ONLY 47.95

B CAPACITANCE SUBSTITUTION BOX KIT

Only
\$5.95

- Eighteen Standard E.I.A. Capacitance Values
- Offers Quick Selection of Capacitors
- Large, Easy-to-Read Selector Panel

Contains eighteen 20% capacitors which cover a capacitance range from .0001 to .22 microfarads. A great time and labor-saving device, it's tremendously popular among servicemen, experimenters and hobbyists. Each of the eighteen capacitors can be switched in and out of a circuit without disconnecting test leads. Makes it very easy to determine optimum capacitance value. All capacitors are rated 600 volts, except .15 and .22 mfd which are 400 volts. With case, leads and instructions. 6 1/4 x 3 3/4 x 2". 1 1/4 lbs.

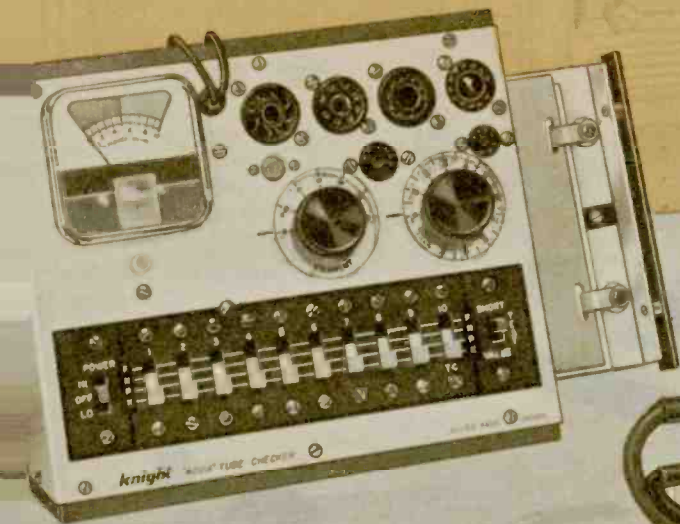
83 Y 138-J. ONLY 5.95

SPECIFICATIONS

Current Ratings: Continuous; 15 amps at 6 volts, 10 amps at 12 volts. Intermittent; 17.5 amps at 6 volts, 12.5 amps at 12 volts.

Power Consumption: 220 watts maximum.

Protection: Line fuse and thermal cut-out.



Checks Over 1600 Tubes for Cathode Emission, Continuity and Shorted Elements.

MINIATURE MARVEL . . .

A sensitive, all-purpose VOM that fits in the palm of your hand



. For Home, Shop Bench or Lab

MODEL 400A ECONOMY TUBE CHECKER KIT

Only
\$19⁹⁵

- Checks More Than 1600 Different Tube Types For Cathode Emission
- Isolation-Type Power Transformer

\$5 monthly • Unique Flip-Over Cards For Tube Chart

An easy-to-build tube checker offered at a price so low that no hobbyist, part-time radio-TV serviceman, or experimenter can afford to be without one. Not a "continuity" tester, the Knight-Kit 400A is a genuine emission tester of amazing versatility—permits accurate, comprehensive checking of all tube elements. Checks over 1600 commonly used radio, TV, and hi-fi tubes for cathode emission and shorted elements, as well as filament continuity.

Tests Compactrons, Nuvistors, Novars, 10-Pins, Octal, Loc-tal, 9-Pin and 7-Pin Miniatures. Incorporates a unique selector switch circuit that makes the tester obsolescence-proof for future releases of tubes. Safety-designed, it uses a true two-winding power transformer (not an autotransformer) for full isolation from the power line. A handy slide-out drawer holds "flip-card" tube chart. Index tabs for fast location of tube types. A wide, two-color meter scale clearly shows good or bad tube condition.

Assembly is very easy—all parts are carefully identified—either by mounting on cards, or by numbers on the individual component. Step-by-step instructions guide your every move—giant-size illustrations show you exactly where each part should go. Complete details on how the tester works and how to use it are included. Gray case has beige front panel. With all parts, wire, solder, charts. 3x9 1/2 x 8". For 110-125 v., 60 cycle AC. Wt., 7 lbs.
83 Y 625-J. \$5 Monthly. **ONLY 19.95**

POPULAR 1000 OHM /VOLT POCKET VOM KIT

Only
\$7⁹⁵

- Now Available at a New Low Price
- Measures Voltage, Current & Resistance
- 2 1/2", 2-Color Meter Reads 13 Ranges

Hardly larger than a pack of cigarettes, this top-performing VOM kit gives you both sensitivity and ultra-compact size. It's perfect for hobbyists, experimenters, in-the-home servicemen, Hams—anyone who wants good quality at extremely low cost. 2 1/2" meter movement has an easy-to-read 2-color scale.

DC Voltage Ranges: 0-5-15-50-150-500 volts. AC Voltage Ranges: 0-30,000 ohms, mid-scale reading is 1200 ohms. Current Ranges: 0-1-10-100 milliamps DC. Input resistance is 1000 ohms-per-volt on all DC ranges. Uses 5% tolerance multipliers and shunts. Has front-panel zero adjustment.

Assembly is quick and easy thanks to simplified point-to-point wiring to input jacks pre-installed in case. Detailed, well-illustrated manual guides your every move—explains how your tester works as well as its many uses. Complete with all leads, battery, wire, solder and case. Size, 2 3/4 x 3 1/2 x 1 1/2". Shpg. wt., 1 lb.
83 Y 708-J. **ONLY 7.95**

YOUR SATISFACTION IS GUARANTEED on every Knight-Kit. After you assemble your kit, it must meet with your satisfaction or your purchase price will be refunded.



knight-kit®

INTERCOM KITS



Requires no On-Off switch!
Draws a maximum of 4 watts
of power—hardly more than an
ordinary electric clock.

Transistor 2-Station Wireless Intercom Kit

Only
\$39⁹⁵

new low price

- Completely Transistorized—Economical To Operate
- Absolutely No Wiring Required Between Stations
- All Stations Are Masters—All Can Originate Calls
- Squelch Circuit Eliminates Power Line Interference



It's completely transistorized—it's wireless—it's the finest, most advanced intercom kit you can buy! Offering top flexibility, this deluxe 2-station system provides you with years of dependable, noise-free communication in your home, office, or shop; from your house to garage; or even between adjacent homes or buildings on the same electric-company powerline transformer. And it's completely portable—move stations from place to place as desired. Just plug into any wall outlet and you're ready to talk.

saves you time . . . saves you steps . . .
saves you money . . . use it in the
home, office, plant and store.

You get all the advantages of transistorized operation, too. Complete freedom from noise, hum and microphonics; virtually maintenance-free operation; compact size; extremely cool operation. Has amazingly low current drain—hardly more than an ordinary electric clock—requires no On-Off switch. A special noise-silencing squelch circuit provides quiet, static-free standby operation. A variable frequency system control lets you operate two wireless intercom sets simultaneously and independently. Also featured—a specially designed volume control that makes it impossible to inadvertently turn the volume below an audible level and miss a call.

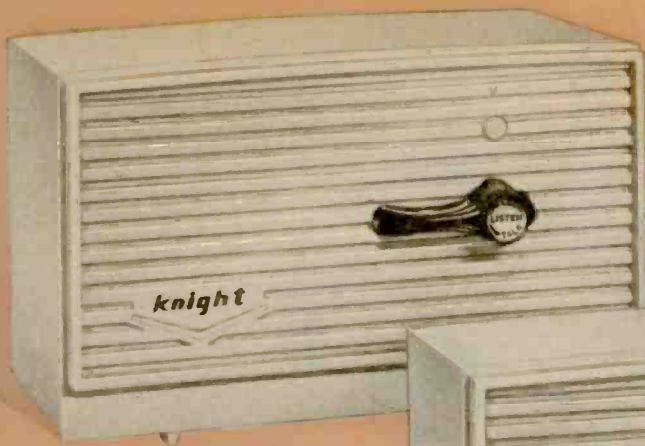
ENJOY THE ENORMOUS ADVANTAGES of a fine Knight-Kit Intercom system—you'll have the best time and step-saving communication available. And, you can use Allied's popular Credit Fund Plan for your purchase—no money down—up to 24 months to pay.

Stations employ extra-large press-to-talk buttons with press-to-side "lock-on" design—lets your intercom "baby sit" while you are in the basement, out on the porch, etc. Beautiful molded-plastic cases are styled in Oxford Gray and Eggshell White. Each unit is 3x8 1/4 x 5 3/8". Includes transistors, all parts, wire, solder, and step-by-step, easy-to-follow instructions. For operation from 110-125 v., 50-60 cycle AC or DC. Shpg. wt., 5 lbs.

SATISFACTION IS GUARANTEED on every Knight-Kit. After you assemble your kit, it must meet with your satisfaction or your purchase price will be refunded. Build the best—build Knight-Kits—a quality product of Allied Radio.

83 YX 991-J. 2-Station System. \$5 Monthly ONLY 39.95

83 Y 992-J. Additional Station Kit. Any number can be used for complete coverage and convenience, Shpg. wt., 3 1/2 lbs. \$5 Monthly EACH, ONLY 20.95



IT'S WIRELESS!

Just plug into any wall outlets.



Completely portable . . . move station from place to place as desired . . . requires no wiring between stations.

Low Cost 2-Station Wireless Intercom Kit

Only **\$29⁹⁵**

near low price

- Variable Frequency Control Allows Separate Systems
- Super-Efficient Squelch Circuit for Silent Standby
- No Cables to Connect—Just Plug into Any Wall Outlet
- Attractively-Styled Cabinets Blend With Any Decor

Fun to Build . . . Easiest to Operate . . . Your Biggest Value By Far . . .

Build your own up-to-date, 2-station wireless intercom in just a few short hours—you'll be delighted with the dozens of time and money-saving uses. Sensitive receiver has plenty of reserve gain for reliable communications between distant stations. May even be operated between adjacent buildings or apartments, as long as both are served by the same power-company line transformer. Just plug stations into wall outlets to set up—no wiring is required. And you can use as many stations as needed—all can originate calls.

Convenient Talk-Listen switch lets you "press-to-talk" or lock station in "Talk" position for extended periods of transmission without holding the switch down manually. Ideal for "baby-sitting" from the nursery to the kitchen or other room. Noise-silencing circuit assures quiet "standby"—no annoying interference. A variable frequency control lets you operate separate systems at the same time—each system remaining independent of the other—extremely useful for selective office or plant intercommunication. Volume control and "on-off" switch are front-panel mounted for easy access.

The smartly-styled, cream-toned, molded plastic cabinets blend with any room decor. Dark brown knobs complement the styling. Modern, efficient vacuum tube design uses 4 tubes and a silicon-diode power supply rectifier. Supplied complete with all parts for building a 2-station system, tubes, wire, solder, and world-famous Knight-Kit step-by-step assembly instructions. Size of each unit is a compact 5½x9x5½". Add extra stations, below, as needed. For operation from 110-125 v., 60 cycle AC or DC. Shpg. wt., 7 lbs.

83 YX 917-J. 2-Station System. \$5 Monthly ONLY 29.95

83 Y 941-J. Additional Station Kit. Extra stations may be added as desired to expand any system. Shpg. wt., 3½ lbs. EACH, ONLY 16.50



Can Be Left In "On" Position for Electronic "Baby-Sitting"

Talk From House to Garage—Save Time and Many Steps

Knight-Kits Are Guaranteed to Meet With Your Satisfaction



knight-kit®
INTERCOM KITS



NEW

6 STATION CAPACITY

KG-3000 Transistor Master Intercom

Only
\$24⁹⁵

\$5 monthly

- 4 Transistor High-Gain Circuit for Excellent Sensitivity
- Low AC Drain—Uses About As Much As An Electric Clock
- Masters Can Call Stations Separately Or Collectively
- Transformer Operated For Top Performance and Safety

Jam-packed with all the extras needed for truly deluxe intercom performance, you'll quickly fall in love with the convenience and versatility of this all-star performer. The KG-3000 Transistorized Intercom Master Kit has a 6-station capacity; can be used with all Masters, all Remotes, or combinations; and can call any unit or units separately or collectively. Has push-pull output for maximum speech clarity; "Thermal Feedback" for optimum stability.

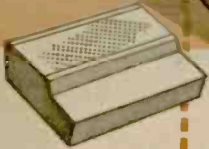
Using highly advanced transistorized circuitry, this flexible unit draws so little power from your line that no on-off switch is incorporated. Actual power consumption is about that of an ordinary electric clock—less than 4 watts—providing economical and completely reliable operation. Simple to use, too. Just select your station or stations, press the push-to-talk button at the master, and make your call. Sub stations can always hear your call, since their volume controls can never be completely turned off. Controls only set incoming signal; each unit's setting does not affect another.

Sub stations can originate calls to Master at the push of a button. Subs can be used as a "baby sitter" or a telephone monitor utilizing lock-in feature. All stations have 45 ohm speakers for use of long lines—any 3 conductor #22 cable can be used between units. Tastefully styled in Oxford Gray and Eggshell White, with a low silhouette plastic case. Keyhole type slots are provided for wall mounting. Only Master plugs into power line—transformer operated for complete isolation. With complete instructions, wire, solder. Less interconnecting cable, below. 3⁷/₁₆ x 8¹/₂ x 5³/₈". For 110-125 v., 60 cycle AC. 4 lbs.

83 Y 404-J. Master Station Kit Only. \$5 Monthly. ONLY 24.95

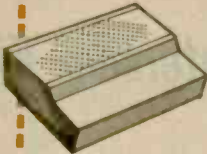
83 Y 405-J. Remote Substation Kit. Use up to 5 with each Master. Has its own speaker, control, switch and cabinet. Same styling, color and size as Master station above. Less cable, below. Shpg. wt., 2 lbs. **EACH, ONLY 6.95**

49 W 604-J. Interconnecting Cable. 3-conductor cable for Masters and Remotes. To determine amount required, measure distance from Master to each Remote and total. Shpg. wt., per 100 ft., 1¹/₄ lbs. **NET PER FOOT 3c**



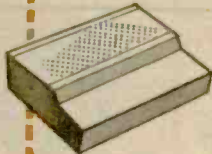
Office to Warehouse

House to Garage

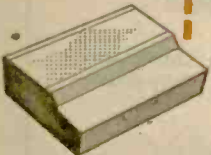


Nursery to Living Room

Kitchen to Basement



First Floor to Second



Remote Station





An Outstanding Value
2-Station Intercom That
Anyone Can Afford!

2-Station Economy Intercom System

Only
\$14⁹⁵

- Amazing Sensitivity—Responds To Even A Whisper
- Complete Station—Includes Both Master and Remote
- With Simplified Step-by-Step Instruction Manual; Can Easily Be Assembled by Anyone

A tremendous time and step-saver—at a bargain price! One of the most useful kits ever designed, it's perfect for electronic "baby-sitting." The remote unit can be installed in the nursery to permit continuous listening in—in the office or shop, communication can be private or non-private by simple use of the "Press-to-Talk" switch on the Master and "Talk-Listen" switch on the remote. Can be used with as many as three remotes parallel-wired.

Master has volume control to adjust loudness of system; only the Master station needs to be plugged into a power outlet. All Remotes can talk with each other when Master is turned on. Thanks to Master's extremely high-gain amplifier and the use of quality 4" PM speakers, it picks up even the slightest sounds—actually responds to a whisper!

Attractive metal cabinets are styled in ivory with contrasting brown speaker grilles. With all parts, tubes, wire, solder, and easiest-to-build instructions. Each unit, 5x6³/₄x4¹/₂". For 110-125 v., AC or DC. 7¹/₄ lbs.

83 Y 297-J. Complete 2-Way System..... **ONLY 14.95**
83 Y 298-J. Extra Remote Station Kit. Less cable, below. 2¹/₂ lbs.. **ONLY 3.95**
49 W 604-J. Extra Cable. Shpg. wt., 100 ft., 1¹/₄ lbs..... **NET PER FOOT 3c**



Remote Has Listen-Talk Switch Which Can Be Set to Receive Messages or Be on Constant Transmit.

High Quality 4" Speakers Are Used on Both Master and Remote for Clear Sound and Ample Volume.



Only Master Has Volume Control to Set Entire System Level. No Adjustments Are Needed At Remote.



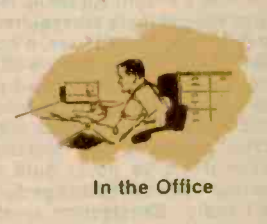
In Baby's Room



In the Kitchen

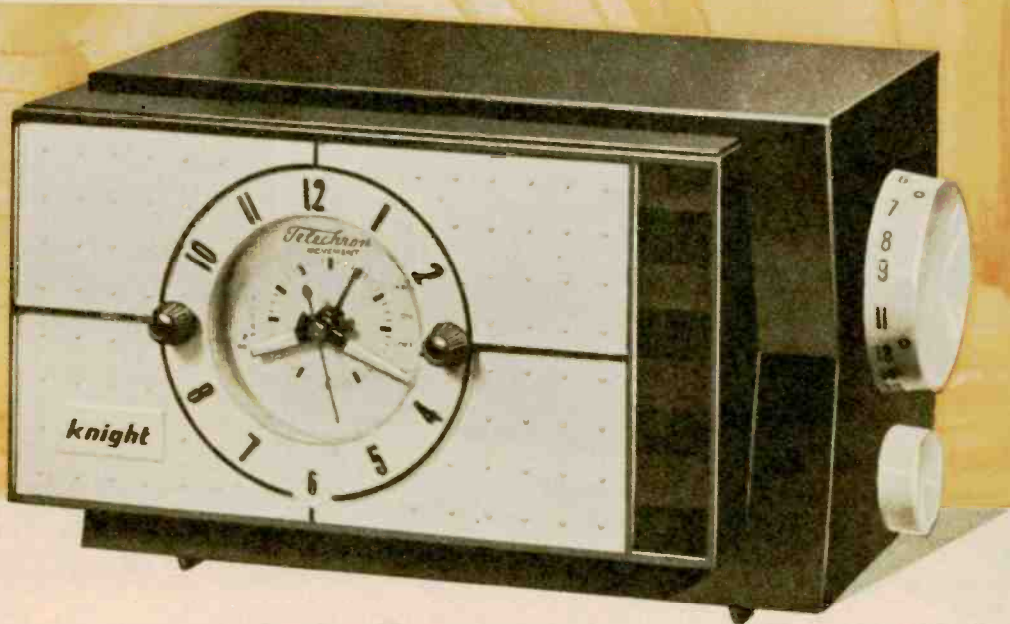


In Work Areas



In the Office

Your Satisfaction Is Guaranteed With Knight-Kits



"Ranger III" AM Clock-Radio Kit

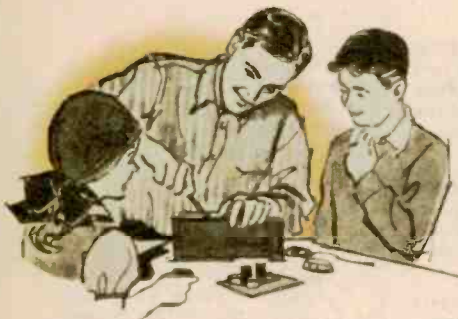
Only \$24⁹⁵

- Features Telechron Clock with Luminous Hands
- Automatically Turns Off After You've Fallen Asleep
- Turns on Any Household Appliance at Desired Time
- Printed Circuitry, Plug-In Modules for Easy Assembly

A real favorite—as a receiver, provides crystal-clear reception of the AM broadcast band—as a clock-radio, offers an array of useful conveniences. It pleasantly awakens you to the sound of music in the morning—should you oversleep, it sounds an alarm ten minutes later. In the evening, lets you fall asleep to music—"Sleep Switch" shuts off radio after any desired time lapse up to one hour. 1200-watt outlet on rear of set automatically starts your coffee-maker, turns on lamp or other appliance. Also may be used as a security precaution, to turn on lights at nightfall when you're away from home.

Building the Ranger Clock-Radio is so easy and so much fun—all you need are long-nose pliers, screwdriver and soldering iron. Two unique module units (preassembled resistor and capacitor assemblies) plug into a printed circuit board and are soldered into place. With handsomely styled ebony and white cabinet. Tubes: 12BE6, 12BA6, 12AV6, 50C5; and 35W4 rectifier. Size, 5 1/4" x 9 3/8" x 5 3/8". Complete with all wire and solder, instructions, wall-size diagrams, Telechron clock. For 110-125 volts, 60 cycle AC. Shpg. wt., 6 lbs.

83 Y 737-J. \$5 Monthly. ONLY 24.95



EVERYONE ENJOYS BUILDING THESE KNIGHT-KIT RADIOS

It's so easy—and so much fun to assemble a Knight-Kit radio. No expensive special tools are required—just a pair of long-nose pliers, a screwdriver and a soldering iron are all you ever need. Clearly written, step-by-step instructions are easy to follow—and each manual is loaded with large, clear diagrams and pictorials, too. Even if you've never built anything before—you can build a perfect Knight Kit radio. Satisfaction Guaranteed!



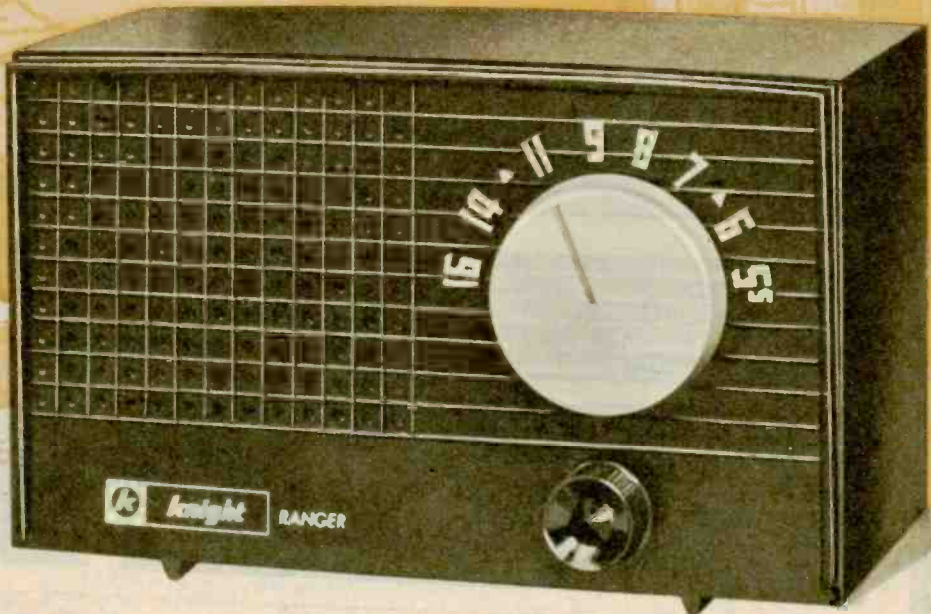
Telechron Clock



"Sleep Switch"



Starts Coffee



"Ranger III" AM Superhet Radio Kit

You'll enjoy the outstanding reception of standard AM broadcasts, you'll appreciate the handsome styling that fits in anywhere, and you'll marvel at the easy, fun-filled assembly. Includes such important features as Alnico V speaker and acoustically designed cabinet for clear, full tone; automatic volume control that cuts blasting and fading; and sensitive superhet circuit for top-notch performance. Miniature tubes include: 12BE6, 12BA6, 12AV6, 50C5; 35W4 rectifier. Highly efficient, built-in hi-Q loop antenna provides maximum sensitivity. Complete with all parts, black cabinet accented in white, wire and solder and easy-to-follow instructions. 5 $\frac{3}{8}$ "x8 $\frac{1}{4}$ "x4 $\frac{1}{2}$ ". For 110-125 volts, 50-60 cycle AC or DC. Shpg. wt., 4 $\frac{1}{2}$ lbs.

83 Y 736-J..... ONLY 16.95

Only \$16⁹⁵

- Has Sensitive Superhet Circuit
- With Smartly Styled Cabinet
- Very Easy to Assemble
- Efficient, Full-Toned PM Speaker
- Built-In Hi-Q Loop Antenna
- Cadmium-Plated Steel Chassis
- AVC Prevents Blasting and Fading

ALL-TRANSISTOR AM RADIO KIT

A portable 5-transistor radio with precision engineered circuitry and a big 3 $\frac{1}{2}$ " speaker for superior sound. Ebony-trimmed ivory case has two satin-gold metal endplates. Includes off-on/volume and tuning controls. Has built-in loop-stick antenna. Complete with wire, solder and easy-to-follow instructions. Less battery and earphone, below. 3 $\frac{3}{8}$ "x8x2". 2 $\frac{1}{4}$ lbs.

83 Y 922-J. \$5 Monthly..... ONLY 19.95
 83 Y 002-J. Std. 9-v. Btry. 4 oz..... NET .21
 83 Y 003-J. Earphone. For private listening.
 With cord and plug. Wt., 5 oz..... NET 1.67



\$19⁹⁵

new low price

- RCA Drift-Field Transistors
- Push-Pull Output and 3 $\frac{1}{2}$ " Speaker
- Easy-Assembly Printed Circuitry
- Phone Jack for Private Listening



knight-kit®

SHORTWAVE KITS



WITH CASE

Log the Wide World from Your Armchair With Knight-Kits

NEW! "STAR ROAMER" 5-BAND RECEIVER KIT

Only
\$39⁹⁵
\$5 monthly

- 5-Bandswitched Ranges—200 kc Through 30 mc
- "S" Meter Measures Signal Strength, Tuning
- Sensitive Superhet With Regenerative IF Stage
- Calibrated Bandspread for Sharp Tuning
- Has Automatic Volume Control, Noise Limiter



ILLUMINATED "S" METER

Accurately indicates maximum signal strength of a station plus correct tuning for peak performance.



SLIDE RULE DIAL

This large dial is clearly marked for quick station selection. 7 1/2" long and illuminated for easy logging.



SENSITIVITY CONTROL

Adjusts for optimum reception when listening to voice or code.

Tune in the world! Hear history-making events as they happen and where they happen—on the fantastic new "Star Roamer" 5-Band Shortwave Receiver Kit. Low-priced for the tops in economy, and easy to build, this flexible and sensitive receiver covers 200 kc to 30 mc (except 400-500 kc) in 5-ranges. At fingertip command, you have the marine and aeronautical bands, with calls from ships at sea, planes aloft, beacons, up-to-the-minute aviation weathercasts, and marine distress calls. Your favorite AM radio programs are on the standard broadcast band, and you'll hear the many voices of the world on the International shortwave bands, plus Hams, press stations and much, much more.

Has illuminated "S" meter that accurately indicates maximum signal strength plus correct tuning of a station. Calibrated electrical bandspread control acts as a fine tuning device that separates the station you want from the many signals present—important in the clusters of shortwave transmissions. Other features: AVC to reduce "fading" and "blasting"; ANL for noise reduction; IF Sensitivity control for improving signal-to-noise ratio, preventing overloading, increasing selectivity, and for optimum code reception; Antenna Trim for maximum signal; and headphone jack. And as an added feature, the "Star Roamer" can also be used as a code practice oscillator.

It's great fun to build, too. Detailed instructions and identified parts mean easy assembly and swell results. Includes all parts, large 4" speaker, tubes, wire, solder. Charcoal gray, aluminum trim; black dial. 5 1/2 x 12 1/4 x 8". Less antenna, below. For 110-125 v., 60 cycle AC. Wt., 8 lbs.

83 YX 102-J. \$5 Monthly. **ONLY 39.95**

83 Y 025-J. Outdoor Antenna Kit. With accessories. Wt., 1 1/2 lbs. **ONLY 1.03**

83 Y 027-J. Dual Headset. 2000-ohm impedance. Wt., 12 oz. **ONLY 2.08**



Your Personal Passport to Exciting Shortwave Listening

SPAN MASTER® 4-BAND SHORTWAVE RECEIVER KIT

Only
\$25⁹⁵
 \$5 monthly

- Bandspread Control Makes Tuning Fun and Easy
- Regenerative Circuit for World-Wide Reception
- Transformer-Powered for Maximum Performance
- Built-In Speaker Plus Headphone Terminals
- Modern Up-to-the Minute Styling—Wood Cabinet

Travel the world from your armchair—hear history in the making! The famous Knight-Kit Span Master is actually your passport to the fascinating space-age hobby of shortwave listening. Featuring a super-sensitive regenerative circuit, it provides 4 band coverage of international shortwave plus favorite standard AM broadcasts. You'll tune in on fascinating foreign broadcasts, listen in on ships at sea and aircraft, hear interesting messages on the Citizens Band, and and receive exciting Amateur stations on the 160, 80, 40, 20, 15 and 10 meter bands—it's a thrilling new world of listening adventure!

Highlights include: continuous tuning from 540 kc through 30 mc; bandspread tuning and fine regeneration controls simplify tuning and separate crowded stations; headphone terminals and speaker cut-out switch permit private headphone reception if desired; coils for each tuning range have their own antenna windings to assure maximum sensitivity; AC transformer power supply for peak efficiency vacuum tube performance; handy bandswitch for the 4 tuning ranges; attractively-styled wood cabinet included; built-in speaker; and 6 operating controls: calibrated Main Tuning, Bandspread Tuning, Bandswitch, Volume with On-Off Switch, Coarse and Fine Regeneration.

A listing of foreign broadcasting stations included with this kit is a valuable aid in tuning in transmissions from all over the world. Manual includes sections on International Morse Code to help you learn code transmissions. With cabinet, tubes, wire, solder, instructions. Less antenna, below. Size, 6½x14x6¼". For 110-125 v., 60 cycle AC. Shpg. wt., 8 lbs.

83 YX 258-J. \$5 Monthly. ONLY 25.95

83 Y 025-J. Outdoor Antenna Kit. With accessories. Wt., 1½ lbs. ONLY 1.03

83 Y 027-J. Dual Headset. With pins for jacks. Wt., 12 oz. ONLY 2.08



BANDSPREAD CONTROL
 Simplifies tuning where stations are crowded.

BANDSWITCH CONTROL
 Changes frequency bands—saves time; no coils to change.

FINE REGENERATION
 Adjusts gain—excellent on the higher frequencies.

Your Satisfaction Is Guaranteed With Knight-Kits



knight-kit[®]
SHORTWAVE KITS



WITH CASE

Enjoy Reliable "Round-The-World" Listening Fun

SPACE-SPANNER® SHORTWAVE/BROADCAST RECEIVER KIT

\$18.95

with case

- Covers 540-1700 kc and 6.5-17 mc Bands
- Front Panel Control For Quick Bandswitching
- Has Its Own Built-In Clear-Toned 4" Speaker
- Electrical Bandsread For Easy, Accurate Tuning

Hear thrilling shortwave broadcasts from overseas on a receiver you build yourself! Amazingly low in cost, the 2-band Space Spanner pushes back the horizon as it reaches out for exciting messages from the farthest corners of the earth. You'll hear foreign broadcasts, messages from ships and planes, Amateur radio operators talking and sending code on the 40 and 20-meter bands—plus all your favorite radio programs on the standard broadcast band.

Selector switch permits easy switching between the 6.5-17 mc shortwave range and 540-1700 kc standard broadcast range. Electrical bandsread control provides easy, accurate tuning and effectively aids separation of crowded stations. Beam-power amplifier and built-in 4" speaker give clear, full-toned reception. Headphone connectors and speaker cut-out switch on rear panel allow private listening. Six controls: Main Tuning, Bandsread, Antenna Trimmer, Band-switch, Regeneration and Volume.

Building the Space Spanner is an ideal way to learn about the fundamentals of radio—as well as an economical way to own a fine receiver. With all parts, case, wire, solder, and easy, step-by-step instructions. Size, 7 $\frac{1}{2}$ "x11x5 $\frac{1}{2}$ ". For 110-125 v., 50-60 cycle AC or DC. Shpg. wt., 7 lbs.

83 Y 209-J..... ONLY 18.95

ACCESSORIES



- A ANTENNA KIT.** Includes 50 feet of outdoor antenna wire, 25 feet of lead-in, insulators, standoffs, ground strap and window feed-thru. 1 $\frac{1}{2}$ lbs.
83 Y 025-J..... NET 1.03
- B DUAL HEADSET.** 2000 ohm. Has dual tip pins for headphone jacks on all Knight-Kits on these pages. 12 oz.
83 Y 027-J..... NET 2.08
- SINGLE HEADPHONE.** (Not illus.) 1000 ohm. With pins for jacks. Shpg. wt., 8 oz.
83 Y 028-J..... NET 1.08

THIS CHART SHOWS YOU THE RADIO SERVICES

MARINE AERONAUTICAL CONSOLAN DISTRESS	MOBILE GOVERNMENT	AM BROADCAST CONELRAD	AM BROADCAST	CONELRAD	AM BROADCAST	AERONAUTICAL MARINE MISCELLANEOUS	160-METER AMATEUR LORAN	WWW TIME SIGNALS	AERONAUTICAL MARINE	80-METER AMATEUR	MARINE INTERNATIONAL BROADCAST	WWW TIME SIGNALS	AERONAUTICAL	INTERNATIONAL BROADCAST	AERONAUTICAL MARINE
160kc	510kc	640kc	535kc	1240kc	1605kc	1800kc	2.5mc	2.5mc	3.5mc	4mc	5mc	5mc	5.95mc	6.2mc	6.2mc



Hear Calls From Ships . . .
On-the-Spot Newscasts From
World Capitals . . . Music and
Drama From The Earth's Far Corners

WITH
CASE



WITH CASE

Open Up New Frontiers In Shortwave Listening

"OCEAN HOPPER" 6-BAND RECEIVER KIT

Only
\$16⁹⁵

- Plug-In Coils For 165 kc to 35 mc
- Receives Longwave and AM Broadcast
- Covers 4 Shortwave Bands Too
- Easy-to-Build—Simple to Operate

One of the most popular kits ever offered, this amazing set covers AM broadcast plus both shortwave and longwave! Efficient regenerative circuit, with handy plug-in coils, tunes from 165 kc (longwave) all the way to 35 mc—for local programs, foreign broadcasts, Hams, planes, beacons, the 500 kc distress frequency and other services. See frequency listing chart, below. On strong stations, receiver will operate a 3-4 ohm PM speaker (not supplied). With cabinet, broadcast band coil, wire, solder, and the easiest-to-follow instructions. Less extra coils (below), and headphones and antenna (facing page). 6 $\frac{3}{4}$ "x10 $\frac{1}{2}$ "x5 $\frac{1}{2}$ ". For 110-125 v., 50-60 cycle AC or DC. 7 lbs.

83 Y 749-J..... ONLY 16.95

PLUG-IN COILS FOR "OCEAN HOPPER"

Set of 5 plug-in coils with complete over-lapping coverage from 165 kc through 35 mc. Less broadcast coil included with "Ocean Hopper", above. Wt., 1 $\frac{1}{2}$ lbs.

83 Y 748-J..... ONLY 2.95

ALL TRANSISTOR "DX'ER" RECEIVER KIT

\$14⁹⁵

- All-Transistor Regenerative Circuit
- Battery Powered—Works Anywhere
- Covers 540-1500 kc/6-17 mc
- Hear Shortwave and Broadcast Bands

new low price

Hours and hours of listening adventures are packed into this top-performer! Powered by economical penlight batteries, it's the first low-cost transistorized kit to offer standard broadcast plus shortwave reception. The 3-transistor circuit tunes 540-1500 kc and 6-17 mc for AM stations, ships, aircraft, shortwave, 20-meter Hams.

Regeneration control lets you "peak" receiver for best signal on voice or code. Handy, front panel control for quickly switching from AM to shortwave. Antenna trimmer permits "tuning up" for maximum signal strength. Slide-rule dial with ranges clearly calibrated in large black numerals against a smart, flat-finish aluminum background. Large, easy-to-grip knob for easy tuning. Also includes Off-On switch and headphone jacks. With 25-ft. indoor antenna, gray metal cabinet, wire, solder, and instructions. Less outdoor antenna and headphones, facing page, and batteries, below. 5x9x5 $\frac{3}{4}$ ". 6 lbs.

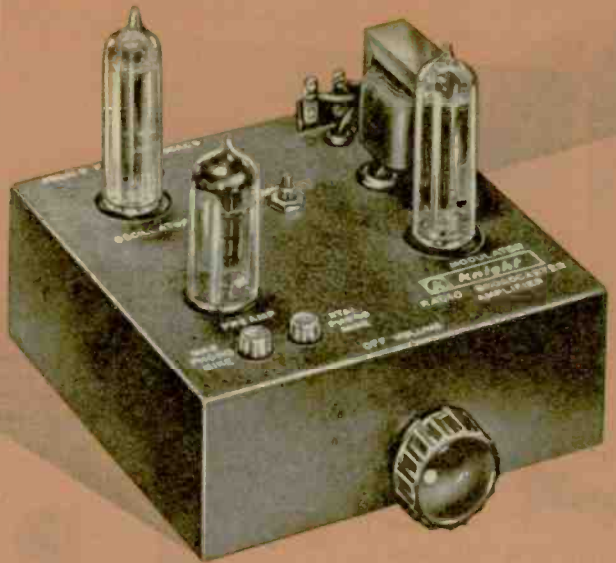
83 Y 943-J..... ONLY 14.95

83 Y 026-J. Penlight Cells. Takes 4. Wt., 3 oz. EACH 10c

YOU CAN HEAR AND WHERE TO FIND THEM

40-METER AMATEUR INTERNATIONAL BROADCAST	MARINE AERONAUTICAL	INTERNATIONAL BROADCAST	AERONAUTICAL INTERNATIONAL BROADCAST MARINE	20-METER AMATEUR	AERONAUTICAL	WWV TIME SIGNALS AERONAUTICAL INTERNATIONAL BROADCAST MARINE	15-METER AMATEUR	INTERNATIONAL BROADCAST MARINE AERONAUTICAL GOVERNMENT INDUSTRIAL	CITIZENS BAND	GOVERNMENT	10-METER AMATEUR	AERONAUTICAL	PUBLIC SERVICE INDUSTRIAL	6-METER AMATEUR
7mc	7.3mc	8.5mc	9.77mc	14mc	14.35mc	15mc	21mc	21.45mc	26.95mc	27.54mc	28mc	29.7mc	30mc	50mc

Your Satisfaction Is Guaranteed With Knight-Kits



It Broadcasts Just Like
a Real Radio Station . . .



. . . and It's a Quality
Audio Amplifier, too!

Radio Broadcaster/Audio Amplifier Kit

Only
\$12.95

- Plays Through Any AM Radio
- Use It With a Phonograph or Microphone
- Excellent As A Wireless "Baby Sitter"
- Requires No License or Permit

ALL SORTS OF EXCITING USES

Sing, speak or play records through radio. Unit becomes amplifier when attached between player and speaker.

Simply jam-packed with fun for the entire family, this popular Knight-Kit actually lets you broadcast through any AM radio! Just plug in a microphone or record player and you're "on the air." Surprise visiting friends by tuning in radio shows on which you are the announcer, disc jockey, news commentator or musical entertainer. Enjoy records anywhere in the house by tuning them in on the nearest radio, without direct connections to the sets! May be easily attached between a record player and any external PM speaker to become a phono amplifier. Also handy as a P.A. system or an electronic "baby-sitter"—lets you listen for sounds from the nursery.

Can also be used with any standard AM radio as a remote sound monitor for TV sets or Citizens Band units. Just like a regular broadcasting station, this easy-to-build Broadcaster tunes to any frequency from 600 to 1500 kc. to 'select' any spot on radio dial. Can be used with magnetic, crystal or ceramic phono cartridges, and with high output microphones (magnetic cartridge equalization disconnects to permit use with microphones). With instructions, all parts, wire and solder. Less mike, below. 4 1/4 x 5 x 6". For 110-125 v., 50-60 cycle AC or DC. 2 3/4 lbs.

83 Y 706-J **ONLY 12.95**
57 S 166-J. Crystal Microphone. 1 lb. **NET 2.59**

NEW Transistorized Code Practice Package—Great for Beginners

Oscillator Kit



2—Sending Keys



2—Headphones

Complete
\$9.95

HERE'S WHAT YOU GET:

- Transistorized CP Oscillator Kit
- Two 1000-Ohm Headphones
- Two Smooth-Acting, Adjustable Keys
- Hookup Wire and Easy Instructions

Scouts, builders, students, Amateurs-to-be! Learn to send and receive code in a jiffy with this low-cost "two-man" package—two can practice code almost as cheaply as one! It's just the thing for self-practice, teaching or monitoring too. Everything you need is included in the set: Knight-Kit Transistorized Code Practice Oscillator Kit; two smooth-action keys with adjustable arms; two dependable single headphones with headbands; all required hookup wire and simple, detailed instructions. Kit can be assembled in very little time—operates for months on a single penlight cell. Oscillator has durable, black bakelite case with aluminum panel. Size, 3 3/4 x 2 1/2 x 1 1/2". Complete with all parts, wire, solder, battery and famous Knight-Kit instructions. Wt., 5 lbs.

83 YX 436-J **ONLY 9.95**
83 Y 239-J. Code Oscillator Only. **ONLY 4.95**

BUILD YOUR OWN WALKIE-TALKIE!

NEW! knight-kit® All-Transistor Walkie-Talkie Transceiver



NEVER BEFORE
AT THIS
LOW PRICE!

ONLY
\$995
EACH



101 USES—
OUTDOORS
AND INDOORS

MODEL C-100 WALKIE-TALKIE KIT

- Talk to Neighbors, Family and Friends Up to ½ Mile Away
- Weighs 9 oz.—Operates Up to 75 Hours on 1 Battery
- No License, Exam, Permit, Age Limit—Anyone Can Use It

Here's a great new Knight-Kit everyone's been waiting for! In a few fun-packed hours you'll have this 3-transistor beauty assembled and ready for reliable, on-the-move communications. It's great for camping, hiking, fishing, hunting, boating, picnic outings, etc. You'll talk with buddies, family and friends up to ½-mile away. And Mom and Dad will find many applications for a pair of these 2-way radios around the home, too. Fully modulated for maximum talk power and range, unit is "on the air" the instant you press the push-to-talk button—built-in 2" speaker also serves as mike. Release button to listen over your super-regenerative receiver. Fits snugly in your hand—only 5 1/16 x 2 1/4 x 1 3/8". Operates up to 75 hours on low-cost cell. With crystal for channel 7, 40" telescoping whip, high-impact blue case, parts, wire, solder, easiest-of-all instructions. Less carrying case and battery, below. Wt., 9 oz. Buy two for a matched 2-way system!

- 83 Y 804-J..... EACH, ONLY 9.95
83 Y 013-J. Leatherette Carrying Case. 6 oz. ONLY 98c
83 Y 002-J. 9-Volt Battery. For above. Wt., 4 oz. ONLY 21c



SO EASY TO BUILD!



Youngsters, get started in electronics with a Knight-Kit! You'll learn as you build and have lots of fun. And remember—Knight-Kits are famous for their easy-to-follow step-by-step instructions.



Fascinating, Fun-Filled 100-in-1 Electronic Lab Kit

Opens the Door to the Thrilling Electronic World of Today and Tomorrow

Only
\$29⁹⁵

\$5 monthly

PACKED WITH FEATURES!

- Over 100 thrilling experiments
- Solderless—just use a screwdriver
- Learn-as-you-build instructions
- Transistor and tube-type projects
- Absolutely safe—25 volts or less
- Unique spring connectors hold leads
- Go from simple to advanced circuits
- Includes everything you'll need
- Professional-looking control panel
- Fun and fascination for everyone

Perform 100 electronic experiments—put the space-age wonder of transistors to work for you—discover how vacuum tubes operate—all this with more fun, more thrills, more enjoyment than you ever dreamed possible. You'll apply every type of modern electronic component in creating different and exciting projects that entertain as well as instruct. There's nothing like the 100-in-1 anywhere—at any price!

Just imagine converting sunlight into electricity that will power a radio, or making an audio amplifier for your record player. You'll even put together testing circuits that really come in handy around the house. Talk from room to room—and even to neighbors—on an intercom you build yourself! Practice sending and receiving Morse Code—all in all, you'll build over 100 separate experiments.

No soldering is required—you need only a screwdriver to set up any of the circuits. Unique spring-type connectors make it so easy to set up or change any of the various projects. The connector is pulled back—lead is inserted—then connector springs into place. Once the main parts are mounted on the master control panel, simply reposition a few leads and parts to quickly change projects.

A special safety-design transformer reduces all voltages to 25 volts or less for absolute electrical safety. Everything you need is included—nothing else to buy. You get a solar-type photocell, speaker, headphones, meter, relay, antenna wire, all parts and a clearly illustrated step-by-step instruction manual. You also receive detailed explanation of how each circuit works. Size, 8x14½x8". For 110-125 v., 60 cycle AC. Shpg. wt., 6 lbs.

83 YX 997-J. \$5 Monthly..... **ONLY 29.95**



BUILD OVER 100 THRILLING SPACE-AGE PROJECTS!



12 Different AM Radio Receivers—One Even Operates from Sunlight!



Radio Broadcaster—Be Your Own Announcer or Disc-Jockey.



Code Practice Oscillator helps You Learn to Send Morse Code.

Metronome—Study Rhythm by Visual as well as Aural Measurements.



Light Meter—Reads Changes in Light Intensity on a Real Photo-cell.

EVERYTHING YOU NEED IS INCLUDED!



Solar Photocell



Loudspeaker



Panel Meter



Transistors and Tube



Dual Headset



Antenna Wire



Plus 156-PAGE GUIDE MANUAL
All circuits shown in detail and thoroughly explained

PLUS over 80 more—including:

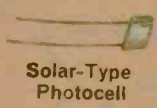
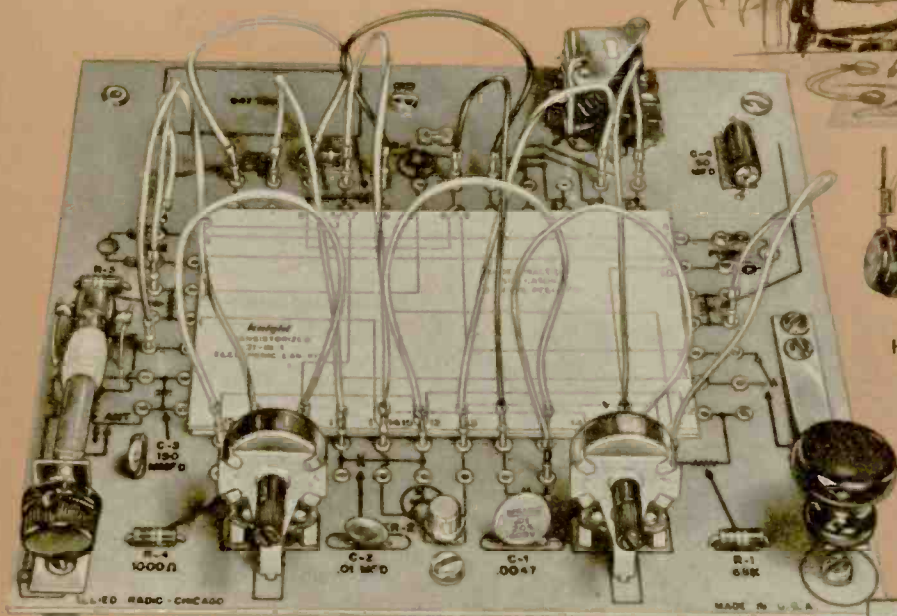
- Resistor and Capacitor Checker
- Air-Powered Earphone Amplifier
- "S" Meter • Lie Detector • Audio Amplifier • Code Transmitter • Telephone-Type Intercom • Electronic Timer • Conelrad Monitor • Sound-Powered Telephone • Microphone Preamplifier • Photoelectric Relay • Electronic Scale • Fire Alarm • Burglar Alarm • Voice Operated Relay • Electronic Switch • CW Monitor • Applause Meter • Flasher • Light Beam Receiver • Magic Music Oscillator • Polarity Checker • Ohm-Meter • DC Voltmeter • AC Voltmeter • Electrolysis Detector • Vacuum Tube Voltmeter • Signal Generator • Electronic Cat • Code Buzzer • Signal Injector • Boat Horn • Many others!



Electronic Thermometer—Measures Changes in Temperature

Battery Charger—Revitalizes Weak Flashlight Cells





Guide Cards Clearly
Show Circuits

21-in-1 Transistor Laboratory Kit

\$14⁹⁵

new low price

- Plug-In, Pin-Type Leads Allow Changing Projects Quickly
- Components Mount on Quality Printed Circuit Board
- 21 Project Guide Cards—No Duplication of Wiring
- Includes Clearly Written Manual and Explanation

**BUILD ANY ONE OF 21
CIRCUITS LIKE THESE**



Electronic Scale • Solar-Powered Oscillator • Light Receiver
Audio Amplifier • Code Oscillator

PLUS 16 MORE!

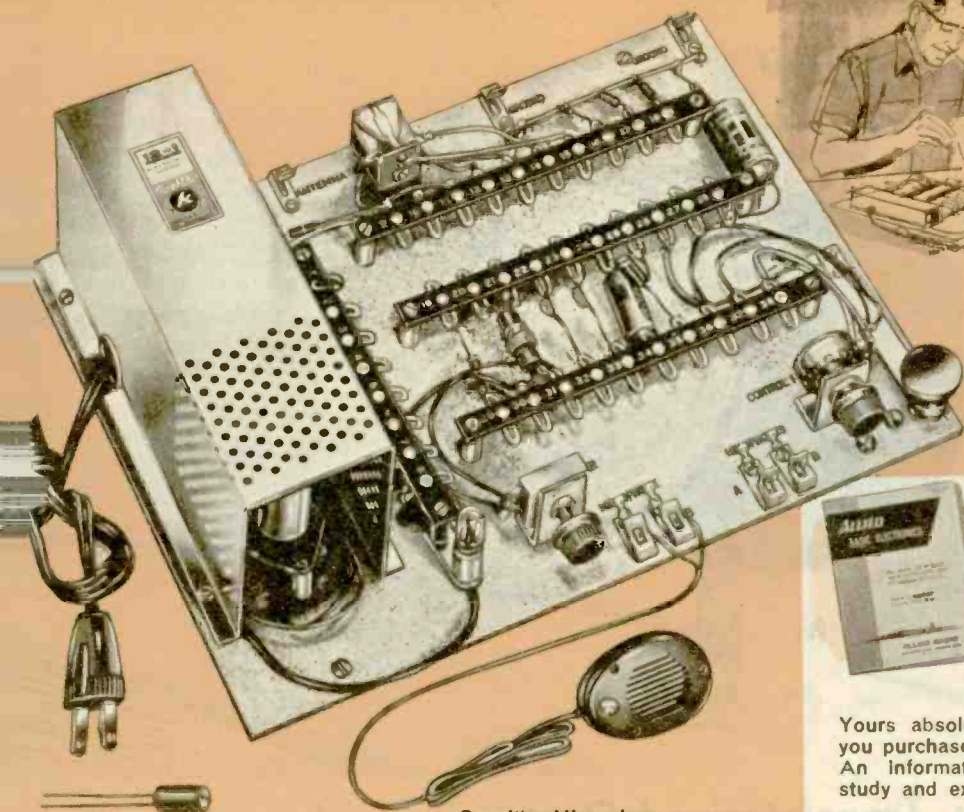
1 Transistor Radio • 2-Stage AM Radio • Solar-Powered Radio • CW Transmitter • Magic Music Maker • Burglar Alarm • Signal Injector • Electronic Cat • Electronic Switch • Telephone • Light-Operated Relay • Electronic Flasher • Wireless Broadcaster • Voice-Operated Relay • Body-Capacity Alarm • Electronic Timer

Attention all experimenters and hobbyists! The new, amazing 21-in-1 Transistor Lab lets you operate your own radio station—broadcast through any nearby AM radio. Surprise your friends by turning electrical equipment off and on with your voice, or with a beam of light. Hear local radio stations loud and clear on any of the AM receivers—there's even one that runs from sunlight! Practice sending Morse Code with either of the 2 code oscillators—one broadcasts through your own AM radio. Catch the "burglar" with either of 2 body-capacity type alarms. Make an automatic light flasher or an accurate electronic timer. Use your headphones as either a speaker or microphone with the audio amplifier. Weigh yourself or friends with the magic music maker and electronic cat. Imitate musical instruments and even cats with the magic music maker and electronic cat. All in all, you easily perform 21 separate, interesting, fun-filled projects and you learn, too.

Simple assembly—just put easily identifiable components into marked PC board and solder. Special guide cards show each circuit layout and plug-in leads interconnect numbered components to form each experiment. Go quickly from one enjoyable project to another just by changing the guide card and by rearranging the plug-in leads. You get positive, error-free results!

Detailed manual includes a clearly written explanation on what each circuit does and what makes it work. Supplied complete with transistors, headset, wires, solder. Battery powered; less battery, below. Wt., 2 lbs.

83 Y 624-J **ONLY 14.95**
83 Y 213-J. Battery for Above. Shpg. wt., 2 oz. **ONLY 69c**



Resistive-Type
Photocell

Sensitive Microphone



FREE!

**BASIC
ELECTRONICS
BOOK**

Yours absolutely free when you purchase the 12-in-1 kit. An informative first-course study and experiment guide.

12-in-1 Electronic Laboratory Kit

**BUILD 12 OUTSTANDING
CIRCUITS LIKE THESE**



Code Practice
Oscillator



Electronic
Flasher



Voice
Relay



Code
Transmitter



Audio
Amplifier



Broadcast
Receiver



Electronic
Timer



Capacity
Relay



Wireless
Broadcaster



Light
Relay



Electronic
Switch



Magic Music
Oscillator

Only
\$15.95

- Permanent Parts Mounting—Change Circuits Quickly
- Absolutely Safe—No Voltage in Circuitry Exceeds 25 Volts
- No Circuit Duplication—Actually 12 Separate Projects
- Circuits Demonstrate Important Electronic Principles

Think of all the fun you'll have making electronic "magic" with this fascinating and educational Electronic Lab Kit! You'll learn the basic fundamentals of electronics the enjoyable way—while performing practical and interesting projects. Surprise everyone by broadcasting your voice through any AM radio in the house. Control electrical devices by stepping on a metal plate, by speaking into a microphone, or by flashing a light on a photocell. Make music by moving your hands in a beam of light. Listen to your favorite programs on your own AM receiver. Build a code oscillator, code transmitter, electronic switch, timer, flasher and audio amplifier, too.

Easy to assemble and operate—anyone can build it quickly and without error. Once you solder the basic parts into place, there's no need to change their position as you go from circuit to circuit—simply relocate a few wires according to the clear instructions given in the manual. Each project demonstrates important electronic principles—it's the most fun-filled way to explore the magic world of space-age electronics! And the 12-in-1 kit is perfectly safe. Power transformer is of the isolation-type and no voltage in the circuitry exceeds 25 volts for absolute electrical safety.

Informative manual also includes sections on symbols, Morse Code, and color-code markings. Includes 8x11" mounting board, 12K5 tube, photocell, mike, wire, solder, instructions. Less headphone, listed below. For operation from 110-125 v., 50-60 cycle AC. Shpg. wt., 4 lbs.

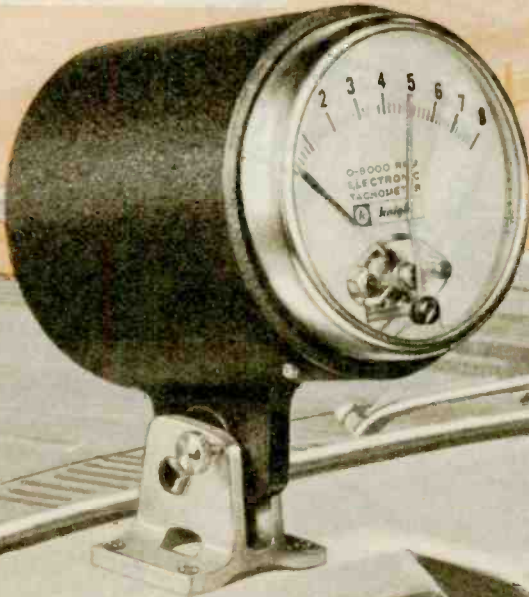
83 Y 207-J. 12-in-1 Lab Kit with FREE Book **ONLY 15.95**
83 Y 028-J. Single Headphone for Above. Shpg. wt., 8 oz. **ONLY 1.07**

Knight-Kits Are Unconditionally Guaranteed to Satisfy

ALLIED 65



knight-kit®
HOBBYIST KITS



Precision Transistorized Electronic Tachometer Kit

IMPROVES MOTOR PERFORMANCE—INCREASES FUEL ECONOMY

Only
\$21.95

- Linear Meter Registers Engine Speed from 0-8000 rpm
- Provides Exceptional 3% Full Scale Accuracy
- Precision D'Arsonval Movement for Top Reliability
- Zener Diode Regulation for High Stability
- 20,000 Ohm Hi-Z Input—No High Voltage Loss

new low price

Rugged, reliable and loaded with special features for better, all-around motor-ing efficiency, this precision tachometer is comparable to assembled units costing many times its low price. Accurately registers engine speed in rpm—electronically. Helps you set engine for top fuel economy—or to develop maxi-mum horsepower. This exciting unit makes a marvelous accessory for compact, standard and sports cars, boats with outboard engines, motorcycles, etc. A perfect gift for auto or boat enthusiasts!

Transistorized switching and zener diode regulation provide exceptional 3%-of-full-scale accuracy—regardless of temperature or voltage changes! Oper-ates with 1-8 cylinder, 2 cycle or 1-16 cylinder, 4 cycle engines using ignition coil and distributor—9-32 VDC. Also operates with magneto and 6 VDC systems when used with accessory 9-v battery (not supplied, see below). A handy, red, adjustable reference pointer may be preset to any desired speed—lets you know at a glance when to shift gears or when maximum torque is achieved.

Illuminated meter is easily calibrated from 60 cycle house current. Available in positive-ground and negative-ground models. (Virtually all late-model U.S. cars have negative-ground ignition systems.) Has highly durable, extruded housing for high resistance to shock and vibration. Remarkably easy-to-build, assembly is simply a pleasant evening's work—requires only a screwdriver, long-nose pliers and a soldering iron. Supplied complete with all parts, cables, mounting base, strap and detailed instructions for building and using. Black housing with gleaming chrome trim. 4 1/8 x 3 1/4 x 3 1/8". Shpg. wt., 4 lbs.

83 Y 944-J. For Negative-Ground Systems. \$5 Monthly EACH **21.95**
83 Y 980-J. For Positive-Ground Systems. \$5 Monthly ONLY

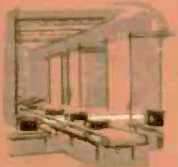
83 Y 909-J. 9-Volt Battery and Accessories. Shpg. wt., 4 oz. NET **1.50**

Can Be Dash-Board Mounted—
Housing Can Be Tilted to Any De-
sired Angle

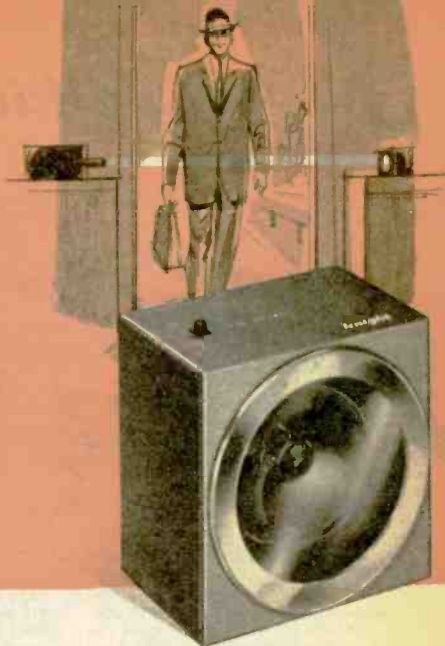
Also Mounts On Steering Column to
Any Desired Angle—Head Is
Rotatable



Use For Protection



Use For Counting



Fast-Acting Photoelectronic Relay Kit

SENSITIVE—RESPONDS TO JUST A GLIMMER OF LIGHT

Only
\$12⁹⁵

- Uses Super-Sensitive Cadmium Selenide Photocell
- ¼ Foot/Candle Light Sensitivity
- Easily Set For Trip or Automatic Operation
- Provides As Many As 600 Counts Per Minute

You'll find all kinds of uses for this dependable, light-controlled switching device—turning lights on and off, opening doors, counting, burglar alarms, "announcing" customers, etc. It's a swift, silent workman that will do a 1001 jobs for you in your home, store or plant. And you can use any light source to activate it—auto headlights, daylight, even light energy from molten metals— or optional light source kit, at right—sensitivity is ¼ foot candle.

Features selectable operation: "Trip" for burglar alarm—provides continuous ringing of alarm even though intruder steps out of path of light; and "Auto"—if relay is to be operated each time light is blocked. Supplies 6.3 v. AC at 0.6 amps for direct operation of alarm, counters, etc. Relay contacts are rated at 1.5 amps. Power consumption from line is only 3 watts.

Uses a highly-sensitive, cadmium-selenide photocell (more sensitive than sulphide) in a thyatron circuit. Makes as many as 600 counts per minute. Complete with all parts, photocell, metal case, wire, solder and easy-to-follow instructions. 4x3x5". For 110-125 v., 60 cycle AC. 3 lbs.

83 Y 702-J..... ONLY 12.95

OPTIONAL LIGHT SOURCE KIT

Only
\$7⁷⁵

- Sealed Beam Bulb
- Includes Red Filter
- Over 500-Foot Range
- Transformer Operated

Designed for use with the Knight-Kit Photoelectronic Relay (left), and other similar-type relays. Consists of a transformer-operated sealed-beam bulb unit that will actuate relay from over 500 feet. A removable, deep-red plastic filter reduces light beam visibility. Produces light near the Infra-red region—practically invisible by day, barely seen at night. With all parts, instructions. 6x6x4¼". For 110-125 v., 60 cycle AC. 5 lbs.

83 Y 703-J..... ONLY 7.75
83 Y 007-J. Chime. Pleasant sounding chime for use with above in stores, offices, etc. 2 lbs..... NET 4.70

12-Volt Ammeter-Voltmeter Kit

Only
\$9⁹⁵

- Replaces Red-Light Indicators in Autos
- Indicates Battery Voltage; Charge-Discharge Rate
- Large, Illuminated Meters

Don't take chances with your car's electrical system—know what your generator or alternator is doing! This easy-to-build kit is for motorists who want more than a red light to tell them how their electrical system is functioning. Easy-to-read, large, illuminated meter scales show amperes from -30 to +30 with 0 center scale. Voltage scale is accurately calibrated from 9-15 volts. Can be used with negative or positive ground systems by simple change of cable location. Meters are mounted on a chrome-plated panel for under-the-dash installation. Vibration-proof lights illuminate the meter faces, which have white numbers on Aqua background. Size, 2¼x6 ½x2 ½". With cables for all cars except rear-engine types. 1 ½ lbs.

83 Y 711-J..... ONLY 9.95



Easy to Install and Mount—Has Chrome-Plated Panel, Black Rubber Safety Trim



ALLIED 67

... Up To 24 Months To Pay



knight-kit®

MANUALS

See Proof of Knight-Kit Superiority

... in Black-and-White ...

in These Superb Instruction Manuals



Here's an easy way to prove to yourself that Knight-Kits lead the field in up-to-the-minute design and in ease of assembly. Get the actual instruction manual for the kit you want to build and you'll be convinced that Knight-Kits are really better by far.

DIAGRAMS THAT "TALK"

Easy-to-follow, detailed picture diagrams that can be tacked over your work table for clear, ready reference—show you exactly where every single part is located.

"CAN'T MISS" INSTRUCTIONS

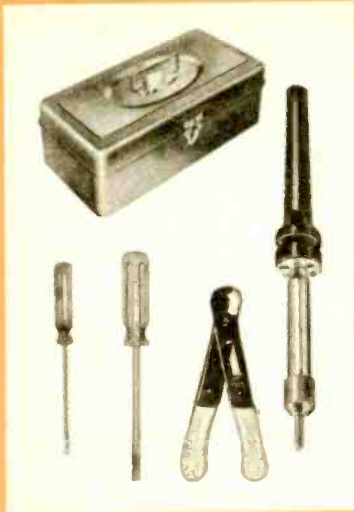
You always know exactly where you are and what you're doing with these "do and check," step-by-step instructions. It's just like having a top-notch instructor working at your side!



- 84 K 028-J. KG-12 Multiplex Adapter
 - 84 K 029-J. KG-240 20-Watt Stereo Amplifier
 - 84 K 030-J. KG-3000 6-Station Transistor Intercom
 - 84 K 031-J. Star Roamer Shortwave Receiver
 - 84 K 032-J. C-100 Walkie Talkie
 - 38 K 146-J. Transistor Code Practice Oscillator
 - 38 K 296-J. 100-KC Crystal Callibrator
 - 38 K 852-J. G-30 Grid Dip Meter
 - 38 K 180-J. V-44 Amateur Variable Freq. Oscillator
 - 84 K 033-J. SWR/Power Meter
 - 38 K 928-J. Flyback and Yoke Checker
 - 38 K 184-J. Resistance-Capacitance Checker
 - 38 K 188-J. In-Circuit Capacitor Checker
 - 38 K 185-J. Vacuum Tube Voltmeter
 - 38 K 183-J. VOM; 1000 Ohms Per Volt
 - 38 K 098-J. 6-12 Volt Battery Eliminator
 - 38 K 170-J. High Gain Signal Tracer
 - 38 K 099-J. Scope Voltage Callibrator
 - 38 K 169-J. Audio Generator
 - 38 K 148-J. Capacitance Substitution Box
 - 38 K 147-J. Resistance Substitution Box
 - 38 K 168-J. VOM; 20,000 Ohms Per Volt
 - 38 K 166-J. RF Signal Generator
 - 38 K 199-J. Transistor Diode Checker
 - 84 K 034-J. 400A Economy Tube Tester
 - 38 K 884-J. Pocket Size VOM
 - 37 K 289-J. 12-in-1 Electronic Lab
 - 84 K 035-J. 21-in-1 Electronic Lab
 - 38 K 187-J. 2-Band "Space Spanner" Receiver
 - 38 K 298-J. 4-Band "Span Master"
 - 38 K 197-J. 2-Station Intercom
 - 38 K 297-J. Radio Broadcaster/Amplifier
 - 38 K 853-J. Ammeter-Voltmeter for Cars and Boats
 - 37 K 290-J. "Ranger III" Table Radio
 - 37 K 293-J. "Ranger" Clock Radio
 - 38 K 161-J. Ocean Hopper
 - 38 K 895-J. 5-Transistor Portable Radio
 - 84 K 036-J. Vacuum Tube Wireless Intercom
 - 84 K 037-J. 2-Band, 3-Transistor "DX'er"
 - 84 K 038-J. Transistorized Electronic Tachometer
 - 84 K 039-J. KS-11 Inboard Stereo Multiplex Adapter
- ANY MANUAL ABOVE. Postpaid in U.S.A.
EACH 25c

- 84 K 040-J. KS-10A Multiplex Adapter
 - 38 K 050-J. Crystal Set
 - 38 K 934-J. Photoelectronic Relay
 - 38 K 935-J. Light Source
 - 84 K 041-J. Power Supply for C-11 Transceiver
 - 84 K 048-J. VOM; 5% 1000 Ohms Per Volt
- ANY MANUAL ABOVE. Postpaid in U.S.A.
EACH 25c
- 84 K 001-J. KG-70 Transistor Stereo Tuner
 - 84 K 002-J. KG-50 AM-FM Stereo Multiplex Tuner
 - 84 K 003-J. T-150 150-Watt Amateur Transmitter
 - 84 K 004-J. C-22 Citizens Band Transceiver
 - 84 K 008-J. KG-2000 Junior DC-5MC Oscilloscope
 - 84 K 009-J. KG-4000 1-Watt Walkie Talkie
 - 84 K 010-J. KG-320 32-Watt Transistor Amplifier
 - 84 K 011-J. T-60 60-Watt Amateur Transmitter
 - 84 K 024-J. R-100A Communications Receiver
 - 84 K 012-J. R-55 All-Wave Superhet Receiver
 - 38 K 186-J. C-11 Citizens Band Transceiver
 - 84 K 014-J. KB-85 70-Watt Stereo Basic Amplifier
 - 84 K 015-J. KF-75 FM Stereo Multiplex Tuner
 - 37 K 295-J. KP-50 Stereo Preamp
 - 37 K 390-J. KA-55 40-Watt Stereo Amplifier
 - 37 K 292-J. KM-15 12-Watt Hi-Fi Amplifier
 - 84 K 016-J. KP-70 Stereo Tape Record-Play Preamp
 - 84 K 042-J. KF-90 AM-FM Stereo Multiplex Tuner
 - 84 K 055-J. KG-250 20-Watt Stereo Amplifier
 - 84 K 053-J. KG-65 Hi-Fi FM-AM Tuner
 - 38 K 299-J. KM-20 18-Watt Hi-Fi Amplifier
 - 84 K 054-J. KG-35 Hi-Fi FM Tuner
 - 84 K 023-J. KG-400 32-Watt Stereo Amplifier
 - 84 K 024-J. KA-95 70-Watt Stereo Amplifier
 - 84 K 050-J. KG-60 50-Watt Transistor Stereo Amp
 - 38 K 196-J. TV-FM Sweep Generator
 - 38 K 167-J. 5" Wide-Band Oscilloscope
 - 84 K 025-J. Transistor Wireless Intercom
 - 84 K 026-J. Deluxe 600A Tube Tester
- ANY MANUAL ABOVE. Postpaid in U.S.A.
EACH 50c
- 84 K 043-J. KU-45 AM-FM Stereo Multiplex Receiver
 - 84 K 044-J. 5" DC Laboratory Oscilloscope
 - 84 K 045-J. High Gain Preamp for 5" DC Lab Scope
 - 84 K 046-J. Dual Trace Preamp for 5" DC Lab Scope
 - 84 K 047-J. 100-in-1 Electronic Lab
- ANY MANUAL ABOVE. Postpaid in U.S.A.
EACH 1.00

Tool Sets for Kit Building and Other Uses



5-Piece Tool Set \$4.49



6-Piece Tool Sets \$10.95



Deluxe 9-Piece Tool Set \$16.95

ECONOMY 5-PIECE TOOL SET

Includes everything you need to easily build your Knight Kit. Consists of: slender Wall "Radloman" 40-watt soldering pencil—excellent for kit work; 2 Knight screwdrivers with tough chrome-vanadium steel shafts and rubbed "Amberyl" plastic handles—sizes, 1/8x4", 1/8x6". 5" Miller diagonal cutters of high-grade steel and a steel chest that has full-drawn leak-proof seamless body, snap catch with provision for padlock and 12" rule embossed in blue enamel finished cover. Shpg. wt., 5 lbs.

83 YX 059-J.....NET 4.49

6-PIECE TOOL SETS

WITH SOLDER GUN. Includes a group of highest-quality tools. Consists of: Wen Model 199. 130-watt solder gun; Knight 6" long-nose pliers; Knight 5" diagonal cutters; Knight 6" screwdriver; Knight 4" narrow blade screwdriver; 12" rule embossed blue enamel finish. Rugged steel chest. Shpg. wt., 9 lbs.

83 YX 060-J.....NET 10.95

6-PIECE TOOL SET WITH SOLDERING IRON. As above, but with Wall 14T, 40-125-watt pencil-type soldering iron and stand. Shpg. wt., 8 lbs.

83 YX 061-J.....NET 10.95

DELUXE 9-PIECE TOOL SET

An outstanding selection of tools, carefully chosen for quality and utility. Consists of: Weller 8200K Dual-Heat solder gun kit with solder-aid tool, cleaning brush and solder; Knight 7" chain nose pliers with cutter; Knight 6" diagonal cutter; two Knight screwdrivers—1/8x4" and 1/8x6"; 1/4" and 3/8" nut drivers, and Wall 863 soldering pencil. 2-tray seamless steel chest—has 5 compartments in upper tray; plain lower tray, and 12" rule embossed in green enamel cover. Shipping Weight, 11 lbs.

83 YX 062-J.....NET 16.95

TOOL AIDS FOR THE KIT BUILDER

A WEN MODEL 199 SOLDER GUN. Instant heat, 130-watt gun with interchangeable tips. Reaches full temperature in just 2 1/2 seconds. Wt., 2 1/2 lbs.

46 N 358-J.....NET 5.83

B KNIGHT NUT-SCREWDRIVER KIT. 15 pieces. Roll pack holds: plastic handle; 7 nutdrivers—1/16", 1/8", 3/16", 11/32", 3/8", 7/16", 1/2" and 2 Phillips; 1/8", 3/16", 1/4" slotted screwdrivers. Precision-ground blades. Wt., 1 1/2 lbs.

50 N 788-J.....ONLY 7.95

C WALL MODEL 14T SOLDER IRON. Pencil-type for close work. 40-125 watts. Thermostatic action. Wt., 7 oz.

46 N 852-J.....NET 5.78

D UNGAR IMPERIAL IRON. 40 watts; with two tips. Wt., 1 1/2 lbs.

50 N 979-J.....NET 5.96

E KNIGHT 5" DIAGONAL CUTTERS. Quality steel. Wt., 10 oz.

50 N 133-J.....NET 1.84

F KNIGHT 6" PLIERS. Long nose, slide-cutting. Wt., 10 oz.

50 N 132-J.....NET 2.10

G KNIGHT 7" CHAIN NOSE PLIERS. With cutters. Wt., 10 oz.

50 N 135-J.....ONLY 2.50

H KNIGHT 6" SCREWDRIVER. Chrome-vanadium steel blades. Overall length, 9 3/4". Shpg. wt., 4 oz.

45 N 378-J.....ONLY 68c

J KNIGHT 4" SCREWDRIVER. Chrome-vanadium steel blade. Overall length, 6 1/4". Shpg. wt., 2 oz.

45 N 374-J.....ONLY 33c

K KNIGHT #1 PHILLIPS DRIVER. Chrome-vanadium steel blade. Overall length, 6 1/4". Shpg. wt., 2 oz.

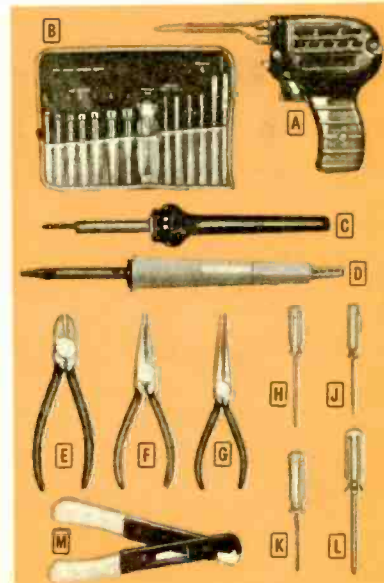
45 N 382-J.....ONLY 60c

L KNIGHT #2 PHILLIPS DRIVER. Chrome-vanadium steel blade. Overall length, 7 1/4". Shpg. wt., 2 oz.

45 N 383-J.....ONLY 71c

M K MILLER MODEL 100 WIRE STRIPPER-CUTTER. Quickly and easily strips insulation from wire up to #8, solid or stranded. 5" long. Shpg. wt., 4 oz.

50 N 338-J.....ONLY 87c



Allied Guarantees Your Satisfaction

ALLIED 69



Includes Case

KN
724A

Lowest-Cost 24-Watt Stereo Amplifier

KN-724A SPECIFICATIONS

Power Output: 24 watts IHFM music power; continuous sine-wave power, 20 watts.

Response: ±1 db, 30 to 15,000 cps at rated power.

Harmonic Distortion: Less than 2% at rated power.

Hum and Noise: Tuner, -72 db; Mag Phono, -52 db.

Inputs: Mag Phono; Crystal (or Ceramic) Phono; Tuner; Aux.

Outputs: 4, 8, 16 ohms, plus 2 hi-2 for recording.

Output Tubes: 4—6BQ5.

Only
\$49⁹⁵

\$5 monthly

- More Power and Features Than Any Amplifier in Its Class
- Frequency Response Spans the Full Audio Spectrum
- Magnetic Phono Inputs—Stereo Recording Outputs
- Convenience AC Outlets—Push-Pull Outputs—Pilot Light—Single-Knob Balance Control
- Modern, Functional Styling

A solid buy at a surprisingly moderate price, we heartily recommend the KN-724A for economy stereo systems. Well equipped, it gives you inputs for the main sources of stereo sound plus all essential controls. Simply by flicking a switch, you go from 12-watt-per-channel stereo output to 24-watt monophonic operation. Separate bass and treble controls let you make tonal adjustments of both channels simultaneously to suit your listening taste to a "T"—even if you're using dissimilar speaker systems. Channel-balancing is easy with the handy panel control. Four husky tubes in twin push-pull output circuits give you plenty of low-distortion power. Has two convenience AC outlets (one is switched). Brown metal case, included, is complemented by a polished brass panel—perfectly mates with the KN-170 at right. 4¼x13x9". For 110-120 volts, 60 cycle AC. Made in U.S. Shpg. wt., 21 lbs.

95 DU 031-J. \$5 Monthly. **ONLY 49.95**



KN-724A
24-Watt Stereo
Amplifier



Garrard
Autoslim/P

Two Knight
KN-809 8"
Coaxial Speakers



Knight KN-505X
Cartridge or
Choice of 3 Others

LOW-COST STEREO PHONO SYSTEM

SAVE UP TO \$55.90 OFF CATALOG PRICES

- Only
\$99⁹⁵
- \$5 monthly
- Marvelous Stereo at a Bargain Price
 - Changer Has Turntable-Type Arm
 - Cartridge Has 15-30,000 Cps Response
 - Coaxial 8" Speakers Give Solid Sound

Our lowest-priced Knight stereo system . . . yet comprised of only first-rate high-fidelity components. Centered around the popular KN-724A, this audio array gives you solid sound and top installation versatility. Includes: Knight KN-724A 24-Watt Stereo Amplifier; Garrard Autoslim/P 4-Speed Changer; two Knight wide-range KN-809 8" Coaxial Speakers; choice of Knight KN-505X, Empire 880, Pickering U38AT, or Shure M3D cartridge. The record changer has a deluxe, tubular arm to take full advantage of the professional-quality Knight cartridge. Speakers have soft-suspension hyperbolic cones for extra bass. 44 lbs.

22 HF 102C-J. Specify Cartridge. **ONLY 99.95**

22 HF 103-J. Save up to \$57.29. Above, plus Lincoln L-150 shelf enclosures and changer base. Mahogany, blonde or walnut—specify. Shpg. wt., 71 lbs. **ONLY 126.95**


New!

Includes Case



Economy Stereo Multiplex FM-AM Tuner

Only
\$89⁹⁵

\$5 monthly

- Our Lowest-Cost FM-AM Stereo Tuner—But Feature-Packed for Deluxe Performance
- Receives All Broadcasts—Stereo and Mono FM, and AM
- Automatic Indicator Lights Up When You Tune to Stereo
- Channel Separation Control Adjusts Stereo Effect
- Foster-Seeley Discriminator, 2 IF Stages, Limiter, AFC

A rare value at this pleasantly low price, the new KN-170 was designed to provide a perfectly matched, economical companion for the KN-724A amplifier. Equipped to receive every type of broadcast, it brings you high-fidelity stereo and monophonic FM, and the wide variety of fare offered on AM. What's more, it offers many of the high-quality touches usually found only in higher priced tuners. For example, you enjoy positive identification of FM stereocasts—an automatic indicator lights up whenever a stereocast is being received. A channel separation control assures optimum stereo effect. FM section also has AFC for elimination of drift, and a limiter circuit to block out all static. Sensitive AM circuit has built-in ferrite-rod antenna to pull in distant stations. Has line-cord antenna for FM. With case, same size and styling as KN-742A. For 110-120 v., 60 cycle AC. Made in U.S. 10 lbs.

95 DU 145-J. \$5 Monthly. ONLY 89.95

KN-170 SPECIFICATIONS

FM Section

- IFHM Sensitivity: 4 microvolts for 30 db of quieting.
- Response: $\pm 1\frac{1}{2}$ db, 30-20,000 cps.
- IF Bandwidth: 180 kc.
- Channel Separation: 25 db.
- Harmonic Distortion: less than 0.3% on signals over 20 μ v
- Hum and Noise: 50 db down.

AM Section

- Sensitivity: 6 microvolts for 10 db signal/noise ratio.
- Hum and Noise: 50 db down.

STEREO FM-AM PHONO SYSTEM

SAVE UP TO \$64.24 OFF CATALOG PRICES

Only
\$209⁹⁵

\$11 monthly

- Complete—Everything You Need for Stereo FM, AM, and Stereo Records
- Professional-Quality Magnetic Cartridge
- Vented-Port Enclosures for Extra Bass

Here's a complete home entertainment center fully equipped to bring you the thrilling beauty of stereo FM broadcasts, conventional high-fidelity FM, the sports, news and weather available on AM . . . and the glorious music offered on stereo records. System includes: Knight KN-724A 24-Watt Stereo Amplifier; matching Knight KN-170 Stereo Multiplex FM-AM Tuner; Garrard Autoslim/P Changer and Wood Base; two Knight KN-809 8" Speakers; and two Lincoln L-150 Speaker Enclosures; and choice of Knight KN-505X, Empire 880, Pickering U38AT or Shure M3D. You get all connecting cable, too. In mahogany, blonde or walnut—specify. 81 lbs.
22 HF 104-C-J. Specify Finish and Cartridge. . . . 209.95

22 HF 101-J. Save up to \$74.24. As above, but with Knight KN-820 12" speakers and KN-1286 enclosures in place of KN-809s and L-150s. Oiled walnut only. 105 lbs. . . . **249.95**



You Have More Buying Power with Your Allied Credit Fund

ALLIED 71



KNIGHT

TRANSISTORIZED STEREO HI-FI



Includes Metal Case

KN
450 A

All-Transistor 100-Watt Stereo Amplifier

PROFESSIONAL FEATURES

TAPE HEAD TUNER

Pushbuttons swiftly and surely select the program source you desire at the touch of a finger—give you noise-free transitions.

MONITOR

Tape Monitor switch lets you listen to tapes as you record them—has 2 positions for monitoring both stereo and monophonic tapes.

SEPARATION

Separation Control is continuously variable from full stereo to monophonic. Assures maximum stereo effect regardless of speaker placement.

ABOUT POWER OUTPUT

The output-power ratings of both Knight and Knight-Kit transistorized amplifiers are based on a 4-ohm speaker impedance. However, these amplifiers are engineered to provide efficient performance with an insignificant reduction of audio power, when used with speakers with 8 or 16-ohm impedances. You'll enjoy all the benefits of transistors, including the extended, amazingly clean bass response that is achieved through the elimination of the output transformers.

Only

\$189⁹⁵

\$10 Monthly

- Tremendous Power Plus Professional Features
- Drives Any Speaker to Its Peak Performance Level
- Reproduces Every Shading and Nuance of Music
- Cool-Running Circuit Offers Phenomenal Reliability
- No Output Transformers—Instant Warm-Up

Our very best amplifier! The new KN-450A gives you the astonishingly clean and pure stereo sound that only an ultra-reliable all-transistor design can offer. Created by Knight—a pioneer in transistorized hi-fi—this "100-watter" is the latest and even more powerful version of the famous KN-450.

No output transformers are used, so you enjoy extra-powerful, supremely natural bass. Other highlights are: instant warm-up; very little heat—even after hours of use; rugged military-type terminal board wiring; a full array of 15 controls; stereo headphone jack; a 2-position switch to permit monitoring either monophonic tapes, or stereo tapes as you record; 2 switches for phasing all channels to one another; positive circuit-breaker protection that eliminates fuses; 5 stereo inputs; 2 convenience AC outlets.

The KN-450A includes a dark brown textured metal case with a polished brass control panel. Has 18 transistors and 2 silicon rectifiers. Walnut case optional; see facing page. 3 $\frac{3}{4}$ "x13 $\frac{1}{8}$ "x12 $\frac{3}{4}$ ". Made in U.S. For 110-125 v., 60 cycle AC. Shpg. wt., 17 lbs.

95 DU 027-J. \$10 Monthly ONLY 189.95

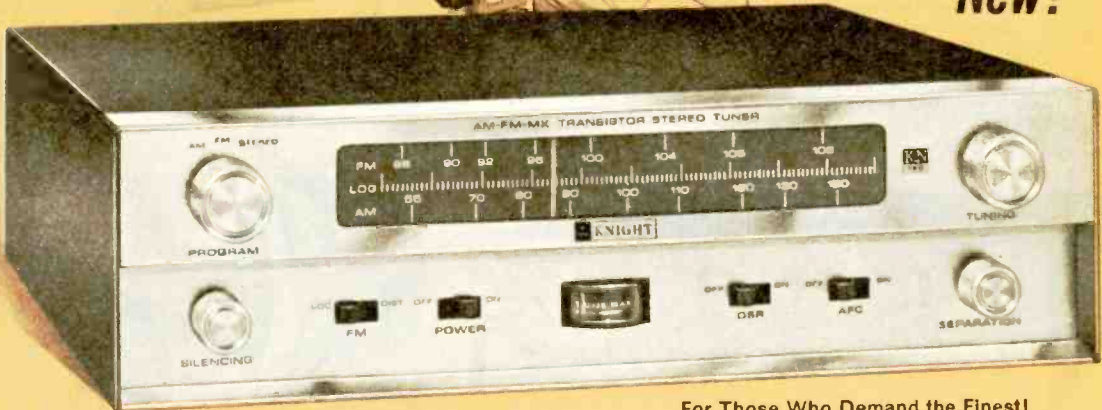
KN-450A SPECIFICATIONS

- IHFM Music Power: 100 watts; 50 watts per channel.
- Frequency Response: ± 0.5 db, 20 to 30,000 cps at rated power.
- Harmonic Distortion: 0.5% at rated power.
- Hum: -90 db at tuner input; -60 db at magnetic phono input.
- Inputs (5 pairs): Mag. Phono; Tape Head; Tuner; Auxiliary; Tape Monitor.
- Outputs: 4-16 ohms per channel; 2 high-impedance for recording; headphones; center channel (hi-Z—requires additional amplifier).



TRANSISTORIZED
STEREO HI-FI

New!



For Those Who Demand the Finest!



All-Transistor Stereo Multiplex FM-AM Tuner


MOST ADVANCED DESIGN

Only
\$189⁹⁵
Less Case


- Our Best—A Milestone in Wideband Tuner Design
- Flawless Reception of Stereo and Mono FM, Plus AM
- Absolute Freedom from All Mechanical Noise
- Has AFC, Automatic Stereo Indicator Light
- Muting Control for Absolute Silence Between Stations



Panel Light flashes on to show when FM stations are transmitting stereo—you'll never dial past a "stereocast."



Tuning Meter assures you of optimum FM or AM reception—just tune for a maximum meter reading.



Silencing Control completely quiets your speakers while dialing between FM stations—stops hiss and roaring.

This remarkable new tuner is masterfully engineered to give you every benefit of advanced all-transistor circuitry. The new KN-160 incorporates all of the skill and experience of Knight engineers, world leaders in transistorized hi-fi, to deliver incredibly realistic stereo FM reception, plus standard FM and AM performance of striking clarity. In addition, a variety of circuit innovations offer the ultimate in convenience: a variable muting control stops inter-station noise while dialing FM; a signal-strength-type meter assures micro-accurate FM-AM tuning; flywheel weighted tuning control has velvet-smooth action; and a tuned RF stage plus a 10-kc whistle filter offer highest fidelity on AM. The FM circuit also has: tuned RF stage; 4 IF/limiter stages; AFC for no-drift operation; wide-band ratio detector; and 300-ohm antenna input. Includes built-in AM antenna, external FM indoor antenna; 2—3-ft. audio cables. Has 20 transistors, 8 diodes, silicon rectifier. Panel matches KN-450A. Less case, below. 3 3/4"x13 1/2"x12 1/4". Made in U.S. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 12 lbs.

95 DU 001-J. \$10 Monthly..... **ONLY 189.95**
 95 DX 554-J. Oiled Walnut Case for KN-160 or KN-450A. 6 lbs. ... **ONLY 14.95**
 95 DX 002-J. Metal Case for KN-160. Dark brown texture. 3 lbs. ... **ONLY 4.95**

WHY USE TRANSISTORS?

Because of the enormous advantages they give to the hi-fi listener! Sound is cleaner, purer than you ever dreamed possible. Heat generated is virtually negligible—only a minimum of ventilation is required. Transistor circuitry also means: phenomenal reliability; full freedom from mechanical noises; and high stability. And of course there's another big extra—transistorized equipment occupies far less space—solves almost all placement problems.

KN-160 SPECIFICATIONS

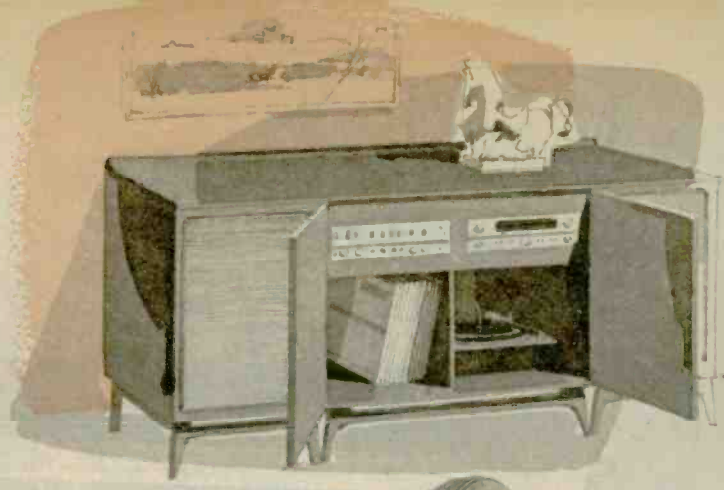
- FM Sensitivity (1HFM): 2 μ v for 30 db quieting.
- AM Sensitivity: 5 μ v for 20 db signal-to-noise ratio.
- FM Bandwidth: 260 kc.
- Distortion: Negligible at all listening levels.
- FM Stereo Separation: 30 db.
- Outputs: 2 low-impedance; 2 high-impedance for stereo taping.

Allied Guarantees Complete Satisfaction or Your Money Back



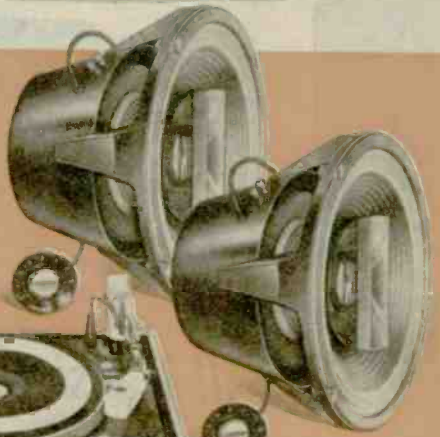
**STEREO HI-FI
MUSIC SYSTEMS**

Knight's finest stereo systems are featured on these two pages . . . each is centered around our most powerful all-transistor amplifier, the new KN-450A . . . utilizing all the advantages of solid-state electronic engineering.



Knight KN-450A 100-Watt Amplifier

Garrard Type "A"; Base; Choice of Four Cartridges



Two Knight KN-612HC 12" 3-Way Speakers



Optional: KN-160FM-AM Stereo Tuner

Entire System

\$349⁹⁵

\$17 monthly

- Knight KN-450A 100-Watt Stereo Amplifier \$189.95**
- Garrard Type "A" Automatic Turntable 79.50**
- Knight KN-505X Cartridge 39.95**
(or choice of 3 others)
- Two Knight KN-612HC 3-Way 12" Speakers 119.90**
- CATALOG PRICE \$429.30**
- SYSTEM PRICE 349.95**
- YOU SAVE \$79.35**

Custom 100-Watt Phono System

SAVE \$79.35 OFF CATALOG PRICES. Designed for those who insist on the best and most up-to-date equipment, plus maximum installation flexibility, this magnificent system reproduces sound with the fidelity to delight even a professional musician. Includes: **Knight KN-450A 100-Watt Transistorized Stereo Amplifier in Metal Case; Garrard Type "A" Changer; two Knight KN-612HC 12" 3-Way Speakers; and choice of Knight KN-505X, Empire 880, Pickering U38AT; or Shure M3D Cartridges.** You also get all necessary cables and plugs. Our KN-450A amplifier has tremendous reserve power to easily handle the most thunderous passages. The changer is the finest made by Garrard, and the deluxe speakers deliver extra-powerful bass reproduction. Mount them anywhere! Shpg. wt., 103 lbs.

22 HF 119-J. \$17 Monthly. Specify Cartridge. ONLY 349.95

22 HF 120-J. FM-AM Phono System. Save \$94.25. Above, plus Knight KN-160 Stereo FM-AM tuner in Metal Case. 115 lbs. Specify Cartridge. ONLY 529.95

95 DX 554-J. KN-6. Walnut Case for KN-450A or KN-160. 6 lbs. ONLY 14.95

73 RX 056-C. Wood Base for Type "A". In mahogany, limed oak or walnut—specify choice. Shpg. wt., 4 lbs. NET 4.49

DANISH MODERN 3-PC. FURNITURE GROUP

Consists of KN-1500 equipment cabinet and two KN-1275 speaker enclosures—a fine "home" for the system above. (Described elsewhere in this section.) Oiled walnut. 220 lbs.

95 DZ 426-3J. \$12 Monthly . . . 239.95

95 DZ 429-3J. As above, but in easy-to-build kit form. ONLY 194.95

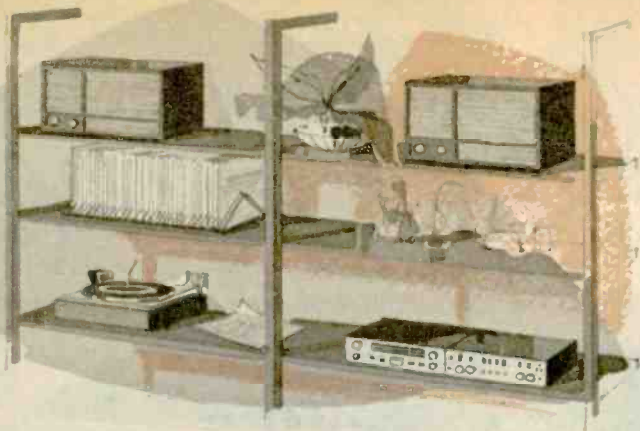




KNIGHT

STEREO HI-FI MUSIC SYSTEMS

Perfect Musical Balance is assured in any Allied hi-fi system . . . components are selected to match in quality and characteristics. **Plug-In Connecting Ease** is yours too . . . cables are color-coded—anyone can connect an Allied system.



Two Knight KN-2300
Speaker Systems

Knight KN-450A 100-Watt Amplifier



Garrard Type "A";
Base; Choice of
Four Cartridges



Optional: KN-160 FM-AM Stereo Tuner

Deluxe 100-Watt Phono System

NOW SAVE \$93.84 OFF CATALOG PRICES. A sensational, ready-to-use component array offering phenomenal stereo performance. Just mount the changer on its base and interconnect the components with the cables supplied . . . in minutes you're set for an exhilarating experience . . . reproduction of your favorite music with such incredible realism that it simply cannot be described. includes: Knight KN-450A 100-Watt Transistorized Stereo Amplifier and Metal Case; Garrard Type "A" Changer and Walnut Base; two Knight KN-2300 3-Way Speaker Systems in Oiled Walnut; and choice of Knight KN-505X, Empire 880, Pickering U38AT or Shure M3D Cartridges. The changer features a 6-lb. turntable; cartridge delivers a 15-30,000 cps response! Deluxe KN-2300s have three speakers for full response. 140 lbs.

22 HF 121-J. \$19 Monthly. Specify Cartridge. **ONLY 419.95**

22 HF 118-J. Save \$108.74. Above, plus Knight KN-160 Stereo FM-AM tuner in Metal Case. \$25 Monthly. Specify Cartridge. 153 lbs. **ONLY 599.95**

95 DX 554-J. KN-6 Walnut Case for KN-450A or KN-160. 6 lbs. **ONLY 14.95**

Entire System

\$419⁹⁵

\$19 monthly

- KN-450A 100-Watt Stereo Amplifier \$189.95
- Garrard Type "A" Automatic Turntable 79.50
- Knight KN-505X Cartridge 39.95 (or choice of 3 others)
- Walnut Changer Base 4.49

Two Knight KN-2300s 199.90

CATALOG PRICE 513.79

SYSTEM PRICE 419.95

YOU SAVE \$93.84

ALL MUSIC SYSTEMS INCLUDE THESE EXTRAS—FREE



Installation instructions . . . makes set-up a snap—no technical knowledge needed.



Pre-set stylus pressure—no adjustments for you to make.



You get all cables and connectors—they're color-coded!



A copy of Allied's Own Discount Tape and Record Catalog. Saves you up to 40 %.



Crystal-clear operating instructions help you get the most from your music system.



KNIGHT

TRANSISTORIZED STEREO HI-FI

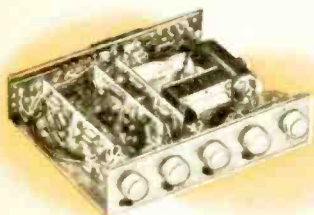


With Metal Case



All-Transistor 40-Watt Stereo Amplifier

**PERFORMANCE-PROVEN
YEARS-AHEAD DESIGN**



CIRCUIT FEATURES the use of 16 transistors, 2 temperature-compensating thermistors, plus 4 diode rectifiers. No tubes or output transformers are required—truly advanced design!

MISSILE-AGE military-type terminal board wiring—the last word in quality and reliability.

SUPERB SOUND . . . that literally must be heard to be believed! Reproduces sound in a way that is downright breathtaking in its realism.

NO MICROPHONICS since there are no tubes—instant warm-up, too.

FULLY TESTED in the lab and in the field. Unconditionally guaranteed for one full year!

Only
\$99⁹⁵
\$5 monthly

- Enjoy These Advantages—Compact Size, Cool Operation, Positively No Mechanical Noise, Instant Warm-up
- Response Is Within 1 db From 20 to 20,000 Cps
- Tape Head Inputs—Scratch & Rumble Filters
- High-Impedance Outputs for Stereo Recording

Enjoy all the great benefits that solid-state transistor design brings to high-fidelity! A prime example of space-age electronic development, the famous KN-400B not only gives superlative 40-watt stereo hi-fi sound, but offers these major advantages: no waiting for filaments to warm up—turn it on and it plays instantly; full freedom from microphonics—there are no elements in a transistor that generate mechanical noise; greatly reduced heat dissipation due to very low power-consumption—draws a mere *25 thousandths* of an amp when operating at quiet levels!

Another benefit of the KN-400B is its fantastically rugged construction. Transistorization plus terminal-board wiring make it almost immune to jolts or vibration—it's really built to last. Other features: scratch and rumble filters; a switch to parallel both channels for top performance from monophonic sources; pilot light. Operates with 4, 8 or 16-ohm speakers. With dark brown metal case, polished brass panel. Only 2½x9¼x8" deep. Made in U.S. For 105-120 v., 50-60 cycle AC. Shpg. wt., 9 lbs.

95 DU 028-J. \$5 Monthly ONLY 99.95

95 DX 553-J. KN-5 Wood Case for Above. Oiled walnut veneer. 4 lbs. ONLY 7.95

KN-400B SPECIFICATIONS

- IHFM Music Power:** 40 watts; 20 watts per channel.
- Response:** ±1 db, 20-20,000 cps at rated power.
- Hum:** Tuner, -90 db; Phono, -60 db.
- Inputs (5 Pairs):** Mag Phono; Tape Head; Tuner; Aux 1; Aux 2.
- Outputs:** 4 ohms (operates with 8 or 16-ohm speakers); 2 hi-Z for recording.



KNIGHT

TRANSISTORIZED STEREO HI-FI



With Metal Case



Transistor-Nuvistor Stereo FM Tuner

Only
\$119⁹⁵
\$6 monthly

- Brings You the Fantastic "You Are There" Realism of Stereo Multiplex FM
- Automatic Stereo Indicator Lights When Station is Stereocasting
- Uses RCA Nuvistors for Super-Sensitivity, and Transistors for Small Size, Ruggedization and the Stability of Heat-Free Operation
- Has Automatic Frequency Control, Tuning Meter, Recording Outputs

Skilled Knight engineering has incorporated the latest refinements in this improved version of the famous KN-250M . . . a high-fidelity instrument with every essential facility including an automatic stereo indicator light. You enjoy the full depth, dimension and movement of a performance just as if you were in a choice music hall seat. You get superior conventional FM, too. The circuitry making this possible employs four RCA nuvistors in the RF amplifier, mixer, oscillator and AFC stages for splendid signal-getting ability even in poor-signal areas; while the wideband IF and multiplex sections use latest design transistors. The result: a cool-running circuit with superb fidelity, top stability and long life. Signal-strength type meter shows when you're perfectly tuned, and automatic frequency control keeps you there—never any drift. For tape fans, there are high-impedance outputs for "off the air" recording. Also: Mono-Stereo switch; logging scale.

The KN-250A exactly matches the KN-400B amplifier (facing page) in styling and size. Has 300-ohm antenna input. Includes metal case; twin-line type external indoor antenna; two 36" audio cables. Made in U.S. For 110-120 v., 50-60 cycle AC. Shpg. wt., 7½ lbs.

95 DU 003-J. \$6 Monthly. ONLY 119.95

95 DX 553-J. Model KN-5 Wood Case for Above. Beautiful, genuine oiled walnut veneer. 4 lbs. ONLY 7.95

KN-250A SPECIFICATIONS

- Usable IHFM Sensitivity:** 2 μ V for 30 db quieting.
- Distortion:** Negligible at all listening levels.
- Frequency Response:** 30 to 20,000 cps.
- IF Bandwidth:** 230 kc.
- Channel Separation:** 30 db.

KN-260CA STEREO MULTIPLEX FM TUNER WITH CLOCK-TIMER

For an extra measure of convenience, use the KN-260CA to automatically control your music system. It's identical to the KN-250A above, but also includes a built-in clock-timer that turns your high-fidelity system on or off at pre-set times. Easy-to-use controls. Size, just 2½x13¾x8". Shpg. wt., 10½ lbs.

95 DU 004-J. \$7 Monthly. ONLY 134.95

The Height of Convenience!



ALLIED 77

Best Way to Buy—Credit Fund Plan

KNIGHT

STEREO HI-FI MUSIC SYSTEMS

CUSTOM SYSTEM

Enjoy unlimited flexibility of installation . . . mount the speakers in a wall, in your own cabinetry, or in the optional enclosures at right. Changer goes anywhere, too.



Cabinetry Optional



Knight KN-400B All-Transistor Amplifier



Optional: Knight KN-250A Stereo FM Transistor-Nuvistor Tuner



Two New Knight KN-830 12" 3-Way Speakers

Garrard AT6 Automatic Turntable; Choice of Four Cartridges

Entire System

\$189⁹⁵

\$10 monthly

- Knight KN-400B 40-Watt Stereo Amplifier \$99.95
- Garrard AT6 Changer 54.50
- Knight KN-505X Cartridge 39.95
(or choice of 3 others)
- Two Knight KN-830 12" 3-Way Speakers \$53.90

CATALOG PRICE \$248.30

SYSTEM PRICE 189.95

YOU SAVE \$58.35

Custom 40-Watt Stereo Phono System

SAVE \$58.35 OFF OUR CATALOG PRICES. A super-quality record-playing stereo system comprised of the newest-design components. Features our Knight transistorized 40-watt amplifier for transparently clear stereo sound plus the many other advantages of solid-state electronics design. System includes: Knight KN-400B 40-Watt Stereo Amplifier and Metal Case; Garrard AT6 4-Speed Automatic Turntable; two Knight KN-830 12" 3-Way Speakers; and choice of Knight KN-505X, Empire 880, Pickering U38AT or Shure M3D Stereo Cartridge. You get pre-set stylus pressure and all necessary cables and plugs, too. The compact AT6 features a precision turntable-type pickup arm. Shpg. wt., 44 lbs.

22 HF 110-J. \$10 Monthly. Specify Cartridge. ONLY 189.95

22 HF 111-J. Save \$68.30. As above, plus Knight KN-250A Transistor-Nuvistor stereo multiplex FM tuner. Wt., 52 lbs. \$15 Monthly. **ONLY 299.95**

73 RX 057C. Wood Base for AT6. In mahogany, limed oak or walnut—specify choice. Shpg. wt., 4 lbs. **NET 4.49**

95 DX 553-J. Wood Case for KN-400B or KN-250A. Genuine oiled walnut veneer. Shpg. wt., 4 lbs. **ONLY 7.95**

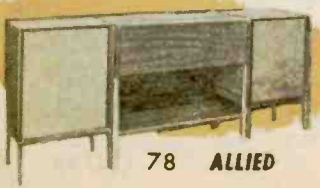
KNIGHT CONSOLETTA and SPEAKER ENCLOSURES FOR ABOVE

KN-2055- CUSTOM CONSOLETTA. Drop-front door. Oiled walnut. Described elsewhere. 60 lbs.

95 DZ 525-J. \$5 Monthly ONLY 69.95

KN-1285 ENCLOSURES. Perfect match—beautiful oiled walnut. Described elsewhere. 30 lbs.

95 DZ 526-J. TWO FOR ONLY 69.90

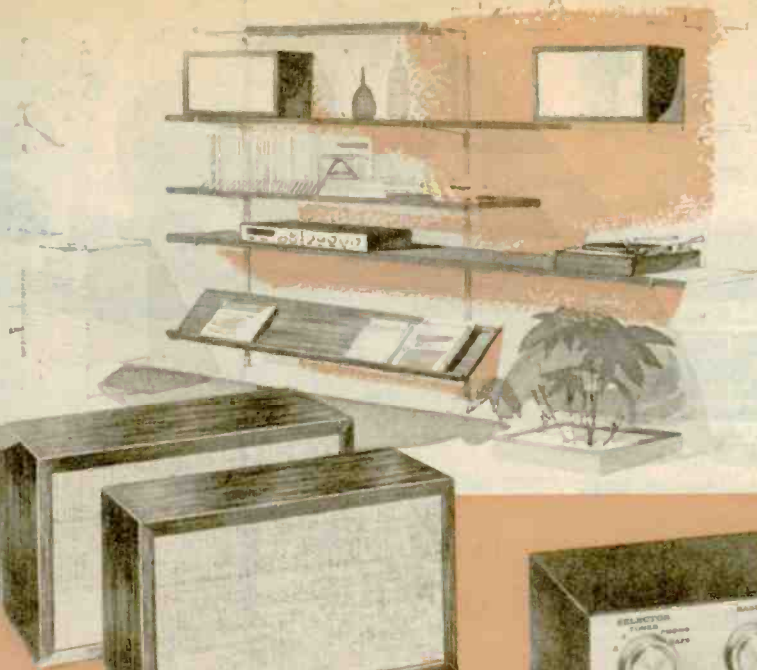




STEREO HI-FI MUSIC SYSTEMS

SPACE-SAVER!

Here's sparkling stereo in a small package! If your space is limited, choose this ultra-compact array for flawless stereo hi-fi performance.



Two Knight
KN-2200
3-Way Shelf
Speaker
Systems



Knight KN-400B All-
Transistor Amplifier



Garrard AT6 and
Walnut Base;
Choice of Four
Stereo Cartridges



Optional: Knight KN-250M Stereo
FM Transistor-Nuvistor Tuner

Deluxe 40-Watt Stereo Phono System

SAVE \$68.84 OFF OUR CATALOG PRICES. The amplifier is hardly larger than a book . . . the trim, two-tone changer is a fine showpiece . . . and the compact speaker systems neatly tuck away on shelf or floor, in lowboy or highboy positions . . . a great stereo system for use where space is restricted but no sacrifice in audio quality is tolerable. System includes: Knight KN-400B 40-Watt Stereo Amplifier and Metal Case; Garrard AT6 Automatic Turntable and Walnut Base; two Knight KN-2200 3-Way Speaker Systems in Oiled Walnut; and choice of a Knight KN-505X, Empire 880, Pickering U38AT, or Shure M3D Stereo Cartridge. Plus—all cables, pre-set stylus pressure. AT6 features: tubular pickup arm with adjustable counterweight, gram pressure scale, silent operation. The famous KN-2200s each have 4 speakers to faithfully respond from 30 cps to beyond audibility! Shpg. wt., 104 lbs.
22 HF 108-J. \$15 Monthly. Specify Cartridge. **ONLY 289.95**

22 HF 107-J. Save \$78.79. As above, plus Knight KN-250A Transistor-Nuvistor Stereo Multiplex FM Tuner. Wt., 112 lbs. \$18 Monthly. **ONLY 399.95**

95 DX 553-J. Wood Case for KN-400B or KN-250A. Genuine oiled walnut veneer. Shpg. wt., 4 lbs. **ONLY 7.95**

KN-2055 CUSTOM CONSOLETYPE EQUIPMENT CABINET

Use this highly compact, console-type unit to provide a striking, customized home for all the components in the system above (except speakers). Has

drop-front door, solid 3/4" paneling, etc. (Described elsewhere in this section). Oiled walnut. 60 lbs.

95 DZ 525-J. \$5 Monthly. **ONLY 69.95**

Entire System

\$289⁹⁵

\$15 monthly

Knight KN-400B 40-Watt Stereo Amplifier	\$99.95
Garrard AT6 Changer	54.50
Walnut Changer Base	4.49
Knight KN-505X Cartridge	39.95
(or choice of 3 others)	
Two Knight KN-2200s	159.90

CATALOG PRICE . . . \$358.79

SYSTEM PRICE . . . 289.95

YOU SAVE \$68.84

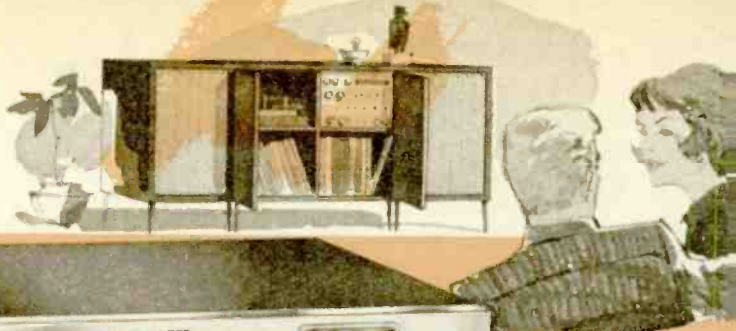


You Get More for Your Money at Allied

ALLIED 79



TRANSISTORIZED
STEREO HI-FI



Includes
Case



Transistor-Nuvistor 40-Watt Stereo FM Receiver

TUNER SPECIFICATIONS
 FM Sensitivity (Usable IHFM): 2 uv for 30 db of quieting.
 Hum: Tuner, -90 db; Mag Phono, -60 db.
 IF Bandwidth: 230 kc.
 Circuit: 4 RCA Nuvistors in RF and AFC stages, and 8 transistors.

AMPLIFIER SPECIFICATIONS
 IHFM Music Power Output: 40 watts; 20 watts per channel;
 Response: ± 1 db, 20-20,000 cps at full rated output.
 Inputs (4 Pairs): Mag Phono; Tape Head; Aux 1; Aux 2.
 Outputs: 4-16 ohms; plus hi-Z.
 Harmonic Distortion: Below 1% at full rated output (at 1000 cps).
 Channel Separation: 30 db, min.
 Circuit: 16 transistors, 2 thermistors, 4 diodes.

Only
\$199⁹⁵
\$10 monthly

- Most Compact, Most Advanced "All-in-One" Stereo FM Receiver Ever Made—Only 4 7/8" x 9 1/4" x 8" Deep!
- Automatic Stereo Multiplex Indicator Light
- Transistor Circuit Eliminates Output Transformers—Get Sound Quality Never Before Achieved in Hi-Fi

The years-ahead KN-310A combines, in an amazingly compact package, an ultra-sensitive *Transistor-Nuvistor* stereo FM tuner . . . and an *all-transistor* 40-watt stereo amplifier. Just add a record changer and speakers for a complete music center delivering hi-fi sound of fantastic realism.

Brilliant FM circuitry, using both transistors and tiny advanced-design RCA Nuvistors, gives you stereo reception that flawlessly recreates the original performance—with striking clarity and all of its exciting directional characteristics. You get superb monophonic FM, too. Has AFC and signal-strength tuning meter, plus indicator to show when you're receiving stereo.

Cool-operating amplifier has a full array of controls and inputs. Its transformerless output circuits offer wondrously clean sound with ultra-smooth bass. Has AC convenience outlet; external antenna; 2—3-ft. cables. Brown case; polished brass panel. Made in U.S. For 110-120 v., 60 cycle AC. Wt., 18 lbs.
95 DU 053-J. \$10 Monthly ONLY 199.95

Stereo FM Receiver with CLOCK-TIMER



EXCLUSIVE AT ALLIED. An important convenience feature! The KN-310CA is exactly the same as the transistor-Nuvistor stereo receiver described above, but with a slightly wider case that accommodates a handy clock-timer. Gives you an accurate time-piece, plus the added convenience of automatic control—set it to turn your entire hi-fi system on or off at any pre-determined time so that you won't miss favorite FM programs. 4 7/8" x 13 1/4" x 8". Shpg. wt., 20 lbs.
95 DU 054-J. \$11 Monthly ONLY 214.95



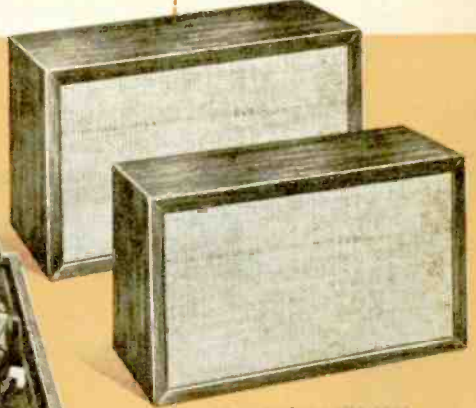


KNIGHT

TRANSISTORIZED STEREO SYSTEM



**Knight
KN-310A
"All-in-One"
40-Watt
Stereo FM
Receiver**



**Two Knight KN-2200
3-Way High-Compliance
Speaker Systems**

**Garrard Deluxe AT6
Automatic Turntable;
Wood Base; Choice of
Four Cartridges**



Deluxe, Ultra-Compact Stereo FM-Phono System

Special System Discount

**LOOK HOW YOU SAVE OVER
REGULAR CATALOG PRICES**

Knight KN-310A 40-Watt Stereo FM Receiver	\$199.95
Garrard AT6 4-Speed Automatic Turntable	54.50
Wood Base for Changer	4.49
Knight KN-505X Cartridge with Diamond Needle, (or choice of 3 others)	39.95
Two Knight KN-2200 3-Way Speaker Systems	159.90

**REGULAR CATALOG PRICE \$458.79
SYSTEM PLAN PRICE 389.95**

YOU SAVE \$68.84

NO MONEY DOWN . . .

... on anything you order from Allied. There's no need to put off enjoying the Knight hi-fi components of your choice if you don't have ready cash. Our liberal Credit Fund Plan lets you own anything in this Catalog without any money down—and with up to two years to pay. You also enjoy up to 50% more buying power, and many other important advantages and conveniences—including the opportunity to make "add-on" purchases at any time with just your signature. For details, see Credit Fund page.

SYSTEM PRICE

\$389⁹⁵

\$18 monthly

- One of the Best Music Systems Money Can Buy
- Perfectly Balanced for Exciting Full Depth Hi-Fi Sound
- Handsome, Space-Saving—Fits Almost Anywhere
- Deluxe Changer Permits Tracking at Ultra-Low Pressure—Offers Dazzling Reproduction

A superb-quality, complete multiplex FM-Phono system featuring components of the newest, most advanced design. Providing unusual flexibility of installation made possible by clever space-saving engineering, they fit beautifully into the most luxurious of settings. System includes: Knight KN-310A 40-Watt Stereo FM Receiver; Garrard Deluxe AT6 Automatic Turntable with Wood Base in walnut finish; two Knight KN-2200 3-Way High-Compliance Speaker Systems; and choice of Knight KN-505X, Empire 880, Pickering U38AT, or Shure M3D cartridges. Also included, are Allied's exclusive music-system extras: all necessary cables and plugs; pre-set stylus pressure; our own Discount Record and Tape Catalog; and more.

A trend-setting high-fidelity component of years-ahead design, the unique Knight KN-310A offers wonderful, transparently clear sound from its all-transistor amplifier section . . . and amazing sensitivity from its transistor-Nuvistor FM tuner section, Garrard's 4-speed AT6 record changer is equipped with a 6-pound cast turntable and a professional-type pickup arm for record reproduction with spectacular fidelity you would never have believed possible. Handsomely styled in genuine oiled walnut hardwood veneer, the Knight KN-2200 speaker systems are truly a design classic—they cover the entire audio spectrum with sparkling clarity. Shpg. wt., 113 lbs.

22 HF 109-J. \$18 Monthly ONLY 389.95

KNIGHT Hi-Fi Systems . . . Exclusive at Allied—Tops in Value

The unmatched quality of Allied's own Knight components plus the tremendous savings you receive with Allied's System Discount Plan make Knight Hi-Fi Systems your finest value. Whether you select our own matched component ensembles—or make up your own combination, you get much more for your money with Knight. There's advanced styling, superb engineering, rugged dependability and an unconditional one-year guarantee on all Knight high fidelity components. Whether you're shopping for an individual component or planning a system, you'll do better—save more with Knight.

Enjoy More Buying Power with Allied's Credit Fund Plan

ALLIED 81



STEREO HI-FI
AMPLIFIERS



Includes Case



Value-Plus 55-Watt Stereo Hi-Fi Amplifier

YOU GET MORE IN QUALITY



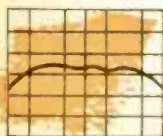
BALANCE control gives optimum stereo realism—from any listening point—with any speaker placement.



SEPARATION is fully variable from monophonic to stereo—never any "hole-in-the-middle" effect.



FOUR 6L6GC output tubes deliver powerful performance—permit a wide dynamic range for utmost stereo-phonetic realism!



WIDE-RESPONSE is assured by massive output transformers—enjoy full-throated bass and clean, clear treble response.

Only
\$99⁹⁵

\$5 monthly

- Husky Power Output—Wide-Range Response—Luxury Styling—Moderate Price
- Highest-Quality Output Transformers for Increased Low and High-Frequency Performance
- Positive Circuit-Breaker Protection—No Fuses to Replace

Feature for feature, the fast-selling KN-755 gives you more for your hi-fi dollar. This proven stereo amplifier boasts four husky 6L6GC output tubes operating into massive transformers to deliver extra-powerful bass and wonderfully clear mid-range and treble across the audible range—at any level. Includes deluxe preamp section, equipped with DC-operated tube filaments for hum-free stereo and monophonic listening.

The input selector chooses any desired audio source—tape head, magnetic phono, ceramic phono, tuner or auxiliary. A channel-reversing switch gives correct orientation for proper stereo effect. Also has: rumble filter; master volume control that converts to a contour loudness control at the flick of a switch; stereo-mono switch; convenient push-to-reset circuit breaker that ends fuse-changing forever; 2 convenience AC outlets; independent stereo tape recording outputs; and a pilot light.

Luxuriously styled, the KN-755 is a fine match for the KN-137M tuner on the facing page—both in looks and performance. With metal case. 4 3/8 x 15 3/4 x 12". Made in U.S. For 110-120 v., 50-60 cycle AC. Shpg. wt., 35 lbs.

95 DU 030-J. \$5 Monthly **ONLY 99.95**

KN-755 SPECIFICATIONS

IHF Music Power Output: 55 watts; 27 1/2 watts per channel; continuous sine wave power, 22 1/2 watts per channel.

Frequency Response: ±1 db, 30-20,000 cps at rated power.

Harmonic Distortion: Below 1% at full rated output.

Hum and Noise: Tuner, -80 db; Mag Phono, -58 db.

Output: 4, 8, 16 ohms per channel; plus 2 high-impedance for taping.



KNIGHT

STEREO HI-FI TUNERS



Includes Case

KN
137M

Economy Stereo Multiplex FM-AM Tuner



**Automatic
Stereo
Indicator
Light**

Panel light automatically flashes on whenever FM stereo is being received. You'll never inadvertently dial past a station that is transmitting a broadcast in stereo!

Bar-Type Tuning Eye



A beam of blue light that closes to show when you are precisely "on frequency." Assures maximum signal strength and lowest distortion.



**Channel
Separation
Control**

Electronically "moves" speakers closer together or farther apart for the best stereophonic effect.

Only
\$109⁹⁵
\$6 monthly

- Provides Panoramic Stereo Multiplex FM Reception, Plus Sparkling Monophonic FM and High-Quality AM
- FM Circuit has AFC for Absolute Freedom From Drift
- Built-In AM Antenna Plus External FM Antenna

Right up-to-the-minute in timely design, our bargain-priced KN-137M tuner gives you excellent reception of everything that radio broadcasting has to offer. Enjoy the experience of panoramic FM multiplex "stereocasts," high-fidelity monophonic FM, and outstanding AM clarity. You'll like the simplified operation, too—advanced features and easy-to-use controls always assure peak reception of every broadcasting mode.

Convenience features include a selector for choosing AM, FM or FM stereo; smooth flywheel tuning; FM-AM tuning indicator that narrows to hairline width when you're "dead-center" on frequency; 300-ohm input for FM antenna; high-impedance outputs that permit direct "off-the-air" recordings; easy-to-read, calibrated logging scale.

FM section has a tuned RF stage plus Foster-Seeley discriminator circuitry for clear reception of weak signals. Metal case has dark brown finish; polished brass panel and cast aluminum knobs. Includes built-in AM antenna; external indoor FM antenna; 2—36" audio cables. 4 $\frac{1}{2}$ "x11 $\frac{1}{4}$ "x10 $\frac{1}{4}$ ". Made in U.S. For 110-120 v., 50-60 cycle AC. Shpg. wt., 11 lbs.

95 DU 005-J. \$6 Monthly. ONLY 109.95

KN-137M SPECIFICATIONS

- FM Sensitivity (Usable IHFM): 3 microvolts for 30 db of quieting.
- AM Sensitivity: 10 microvolts for 20 db signal-to-noise ratio.
- FM Bandwidth: 280 kc.
- FM Response: ± 0.5 db, 20-20,000 cps.
- Stereo FM Channel Separation: 30 db.
- Outputs: 4 high-impedance; 2 each on FM and AM.



HI-FI TUNERS



Includes Case



Our Best-Selling Stereo Multiplex FM Tuner

Deluxe Features



Panel Light Flashes On to Show when You Are Receiving Stereo

Channel Separation Is Continuously Variable from Mono to Stereo

SPECIFICATIONS

Sensitivity (Usable IHFM): 4 microvolts for 30 db of quieting.

Channel Separation: 30 db.

IF Bandwidth: 220 kc.

Hum and Noise: -40 db.

Outputs: 4 high-impedance.

Only

\$79.95

\$5 monthly

- Tried-and-True Built-In Multiplex Circuit
- Separate Outputs for Taping Stereo Broadcasts
- Accurate Tuning Indicator for Peak Reception
- Automatic Frequency Control for Top Stability

Introduce yourself to the thrill of stereo FM broadcasts with this economical tuner. Jam-packed with value, the KN-141M provides a wealth of features to give you outstanding FM at surprisingly low cost. Among its highlights: an Indicator light that automatically flashes when a station is "stereocasting." And at your fingertips, is a channel separation control for adjusting from monophonic to full panoramic stereo—a great aid when speakers must be widely spaced. Also: AFC circuit for freedom from drift; cathode-ray tuning indicator for always-peak reception; smooth-action weighted tuning control; handy Mono-Stereo switch; and 300-ohm antenna input. A grounded-grid RF amplifier and a precisely aligned ratio detector contribute to consistently high audio quality. Metal case has dark brown textured finish; front panel is polished brass. With built-in antenna, 2-3-ft. audio cables. 4 1/4 x 11 1/2 x 10 1/2" deep—matches KN-755 Amplifier on preceding page. Made in U.S. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 15 lbs.

95 DU 006-J. \$5 Monthly. **ONLY 79.95**

LOW-COST ULTRA-COMPACT HI-FI FM TUNER

This budget-priced tuner provides sparkling clear reception of FM programs. And no other compact FM tuner—anywhere near the KN-141C's modest price—gives you both automatic frequency control (AFC), plus a cathode-ray tuning indicator.

Features: RF stage; 2 extra outputs for recorder, and multiplex adapter; built-in antenna plus a 300-ohm antenna input. Sensitivity, 4 μ v for 30 db of quieting. Main output, approx. 0.5 v. With 3-ft. audio cable. 2 1/2 x 9 3/4 x 8". With metal case; walnut case optional. Made in U.S. For 110-120 v., 50-60 cycle AC. 7 1/2 lbs.

95 DU 014-J. \$5 Monthly. **ONLY 49.95**

WALNUT CASE. For above, 3 lbs. 95 DX 553-J. **ONLY 7.95**



Includes Metal Case



- Has AFC and Accurate Bar-Type Tuning Indicator
- Plays Beautifully Through HI-Fi, TV, Phonos
- Extra Outputs for Recorder and Multiplex Adapter

Only **\$49.95**

Less Wood Case

EXCLUSIVELY AT ALLIED . . .



HIGH-FIDELITY COMPONENTS

See Pages
70-114
for the Full
KNIGHT
Hi-Fi Line

America's Finest Values in Audio Components for Home Entertainment

5 BIG REASONS WHY KNIGHT IS YOUR BEST BUY

- ★ **Exclusive Products of Allied**, Knight components are sold to you **DIRECT . . .** you get highest quality at lowest prices!
- ★ **Up-to-the-Minute** audio technology gives you the benefit of newest developments . . . including sensational transistorized components that set the pace for future high-fidelity design.
- ★ **Choose from a Full Line** of matched tuners and amplifiers, speakers and enclosures, integrated speaker systems, record and tape-playing equipment, plus luxurious cabinetry.
- ★ **Money-Back Guarantee . . .** you must be satisfied with your Knight component, or your money will be refunded.
- ★ **Unconditional One-Year Guarantee**, including both parts and labor, on all Knight hi-fi components. You simply can't go wrong.

Multiplex Adapter for Magnificent Stereo FM



KN
MX-3



Indicator Light
Automatically —
Flashes On When
You Are Receiving
a Stereocast



+ Channel Separation
Control Permits
Easy Adjustment
for Maximum
Stereo Effect

Only
\$39⁹⁵

\$5 monthly

WHAT IS FM MULTIPLEX?

FM multiplex broadcasts consist of two channels of sound (stereo) transmitted over a *single* FM station. You can hear these broadcasts with a regular FM tuner—but to hear them with the striking illusion of being at the actual performance (which is provided by *stereo*), you must . . . *add a multiplex adapter* to the FM tuner in your stereo system . . . or *purchase a tuner with built-in multiplex*. Either way, you enjoy the same hi-fi response, wide dynamic range and excellent channel separation you now experience with stereo records and tapes.

It's here . . . a low-cost multiplex adapter for receiving thrilling stereo FM broadcasts through your present stereo system . . . and with every desirable feature, too. An ever-alert panel indicator lights up the moment you tune to a stereocast, or when the station to which you are already listening begins a stereo transmission. In addition, a channel separation control allows you to quickly adjust for best stereo effect. Connects to your FM tuner's multiplex output jack in moments: 3—36" plug-in cables are included. Has pilot light. Brown metal case is just 4 1/4"x5x7 1/8" deep. Polished brass panel. **Made in U.S.** For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs.

95 DX 065-J. \$5 Monthly ONLY 39.95

You Get More for Your Money from Allied

ALLIED 85



KNIGHT

STEREOPHONIC HI-FI AMPLIFIER



Includes Case



Our "Big Buy" 40-Watt Stereo Amplifier

Only
\$79⁹⁵
\$5 monthly

- Plenty of Power to Drive Any Speaker System
- All the Inputs You'll Ever Need for Any Music Source
- Full Array of Controls for Top Flexibility—Both Stereo and Mono
- Two Tape Recorder Outputs Permit "Off the Air" Stereo Multiplex Recordings—Includes Tape Head Inputs



5-Position input selector instantly chooses Auxiliary, Tuner, Tape Head, or either Magnetic Phono or High-Level Phono inputs.



Balance Control adjusts channels for perfect stereo effect—even when speakers cannot be placed for optimum performance.



Loudness Control (plus Contour switch) maintains proper tonal balance—even at moderate or low listening levels. A deluxe feature!

A first-rate amplifier offering full facilities for any stereo or monophonic music source and plenty of power for solid, impressive high-fidelity sound. The clean 40-watt output of the KN-735 drives any speaker system, even low-efficiency types, to room-filling volume levels. The versatile preamplifier circuit features the necessary controls for easy and precise audio regulation of all the components in your stereo music system. Unquestionably an outstanding buy for any economy music system.

Other highlights: separate bass and treble controls; Lo-Filter for reducing turntable rumble without loss of bass; Hi-Filter for reducing noise on worn records; panel switch for instant choice of stereo or full 40-watt monophonic operation; and tape head inputs. Separate high-Z outputs permit professional-quality tapes of FM "stereocasts" and stereo records. Dark brown textured metal case. Panel is light, brushed brass. 4 $\frac{3}{4}$ "x13 $\frac{3}{4}$ "x9 $\frac{1}{4}$ ". Made in U.S. For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

95 DU 100-J. \$5 Monthly **ONLY 79.95**

NO MONEY DOWN

You can own the Knight hi-fi components of your choice—or anything else in this catalog—for No Money Down. Our liberal Credit Fund Plan lets you take up to two years to pay. You enjoy up to 50% more buying power, too. So why put off enjoying your own music system? Just fill out the application form on the back of any Allied order blank. For details, see page 456.

KN-735 SPECIFICATIONS

- IHFH Music Power Output:** 40 watts; 20 watts per channel; continuous sine wave output, 14 watts per channel.
- Frequency Response:** ± 1 db, 40-18,000 cps at rated power.
- Hum and Noise:** Tuner, -75 db; Mag Phono, -55 db.
- Distortion:** Harmonic, 1% at rated output.
- Inputs (5 pairs):** Tape Head; Magnetic Phono; Ceramic (or Crystal) Phono; Tuner; Auxiliary.
- Outputs:** 4, 8, 16 ohms per channel; plus 2 high-impedance for recording.



STEREO HI-FI
MUSIC SYSTEMS



**Knight KN-735
40-Watt Stereo
Hi-Fi Amplifier**



**Two Knight
KN-820 12"
Speakers**



**Garrard
Autoslim/P
Changer**

Choice of 1:
Knight KN-505X
Shure M3D
Empire 808
Pickering U38-AT
Stereo Cartridges

40-Watt Stereo Phono System at \$46.35 Savings

Special System Discount

**LOOK HOW YOU SAVE OVER
REGULAR CATALOG PRICES**

Knight KN-375 Amplifier.....	\$79.95
Garrard Autoslim Changer....	39.50
Knight KN-505X Cartridge with Diamond Needle.....	39.95
(or choice of 3 others)	
Two Knight KN-820 Speakers..	33.90
CATALOG PRICE.....	\$193.30
SYSTEM PRICE.....	146.95

YOU SAVE...\$46.35

SYSTEM PRICE

\$146⁹⁵

\$8 monthly

- Enjoy 40 Watts of Thrilling Stereo Power at Lowest Cost
- Top Installation Versatility—Simple Future Expansion
- New Knight Cartridge has Professional-Quality Features
- Changer Intermixes All Record Sizes in Any Sequence
- Dual-Cone 12" Speakers Offer Outstanding Fidelity

You can't find better quality at a lower price than with this custom-selected stereo system. You get 40 watts of true high-fidelity power, impressive-looking components that are compact enough to fit nearly anywhere, and the greatest possible installation versatility. What's more, our tops-in-value KN-735 amplifier is fully equipped for easy system expansion—addition of tuner and tape recorder is "plug-in" simple.

This surprisingly low-cost array includes: Knight KN-735 40-Watt Stereo Amplifier; Garrard Autoslim/P 4-Speed Changer; two Knight KN-820 12" Dual-Cone Speakers; Knight KN-505X, Shure M3D, Empire 880, or Pickering U38-AT Stereo Cartridge (choice of one); and all necessary cables and plugs.

The Autoslim changer, with two-tone styling, is only 6¼" high for almost unlimited installation possibilities: The new KN-505X cartridge has a polished .0006" diamond needle that accurately tracks at a very low pressure for extra-long record life. Its wide 15-30,000 cps response gives stereo reproduction of amazing realism. Our KN-820 speakers match the superior performance of the other components in this system. Only 4" deep, they easily mount in walls or shallow enclosures. Shpg. wt., 38 lbs.

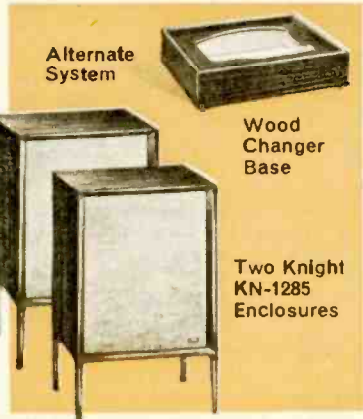
22 HF 105-J. Specify Choice of Cartridge..... ONLY 146.95

ABOVE WITH ENCLOSURES AND CHANGER BASE

Save \$57.74! Includes all of the components of the system above, plus a pair of famous-for-value Knight KN-1285 speaker enclosures, plus a wood base for the Garrard changer. Elegantly styled, the compact enclosures have an unobtrusive modern look that blends well with almost all surroundings. (Fully described elsewhere in this section.) Shpg. wt., 104 lbs.

22 HF 106-J. Oiled Walnut. \$11 Monthly..... ONLY 209.95

22 HF 113-J. Mahogany. \$11 Monthly..... ONLY 209.95



Alternate System

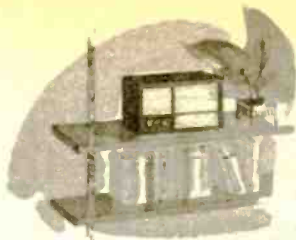
Wood Changer Base

Two Knight KN-1285 Enclosures



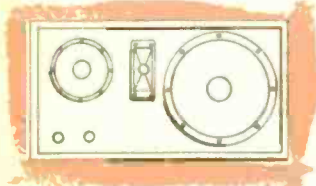
KNIGHT

HI-FIDELITY SPEAKER SYSTEMS



Deluxe 3-Way Shelf-Type Speaker System

**PERFECTLY INTEGRATED
COMPONENTS**



Woofer: 12" with 1½-lb. ceramic magnet. Flux density, 12,000 gauss; 2" voice coil with cloth cone support. Response 25-800 cps.

Mid-Range: 5" cone, with 6.8 oz. Alnico V magnet. Flux density, 12,500 gauss. ¾" voice coil—foam support. Response 800-5,000 cps.

Tweeter: 180° dispersion horn, response to 20,000 cps. 3.16 oz. Alnico V magnet. 1" voice coil.

Crossover: 800 and 5000 cps with level controls for each range.

Capacity: 30 watts.

Impedance: 8 ohms.

NEW! A TRIUMPH IN AUDIO REPRODUCTION

Only
\$99⁹⁵

- 12" Woofer For Magnificent, Life-Like Bass Response
- 5" Mid-Range Speaker For Outstanding Clarity
- High-Frequency Compression Tweeter For Sparkling Treble to Beyond the Audio Range
- Wide-Range Response—25 to 20,000 cps

\$5 monthly

Distinctive appearance and smooth performance characterize the new KN-2300 Deluxe 3-Way Speaker System. Solidly constructed of ¾" hardwood for remarkable durability and resonance-free tonal quality, it has expertly finished edges and crafted mitred corners. Handsome exterior features the finest genuine walnut furniture veneer—oil finished for lasting beauty.

The exclusive 12" woofer incorporates a high-compliance cone that reproduces the lowest tones of orchestral passages and organs with such magnificent realism that it must be heard to be believed. The important mid-range frequencies are covered with a sparkling clarity that provides a true sense of "presence" in music reproduction. Mid-range and tweeter units reproduce frequencies beyond the audible limit, and disperse sound over a wide area.

Two level controls, front-mounted on a walnut panel, provide optimum convenience in setting "presence" and "brilliance" characteristics. Matching grille cloth is enhanced by a solid walnut frame and ribs that balance the styling. Each unit is precision assembled and individually tuned and tested. Size, 13¼"x24¾"x12". Made in U.S. Shpg. wt., 60 lbs.

95 DZ 215-J. \$5 Monthly ONLY 99.95



BUY A PAIR FOR STEREO AND SAVE!

Pocket savings of \$10.00! For a really thrilling new listening experience, use two KN-2300's for stereo!
95 DZ 215-J. \$10 Monthly. TWO FOR ONLY 189.90



KNIGHT

HIGH-FIDELITY SPEAKER SYSTEMS

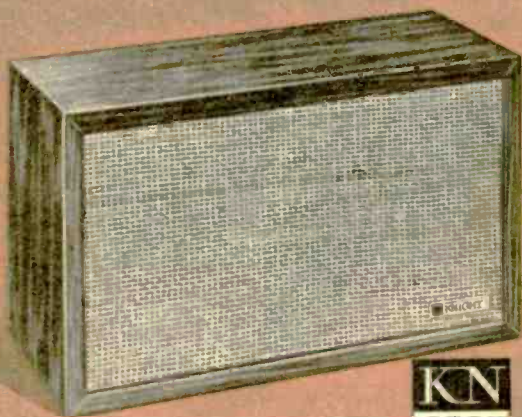
Fit beautifully
in wall recesses and niches . . .

. . . or anywhere
you would hang
a picture . . .

and on tables,
any type of rack
or headboard . . .



KN
281



KN
2200

Beauty And Fabulous Sound—At Lowest Cost

"SLENDER STYLE" 2-WAY SPEAKER SYSTEM

Only
\$49⁹⁵

- 3 Speakers—10" Woofer and 2—3½" Direct-Radiator Tweeters
- Amazingly Slender—Only 6½" Deep
- R-C Crossover With Level Control
- Bass Response Descends to 35 Cps

\$5 monthly

A brilliant new look in ultra-thin styling, designed to fit anywhere—this is the ingenious KN-281. Delivers superb reproduction of sound while using far less space. Uses a 10" high-compliance woofer with ¾" cone excursion; two 3½" direct-radiator tweeters with enclosed backs; acoustically transparent natural cane grille cloth; and a precision duct. The enclosure, inner components and duct are critically tuned, like a fine musical instrument, for lowest distortion and uniform response. Size, 13½x23¾x6½". Oiled walnut. Made in U.S. 24 lbs.

95 DU 265-J. \$5 Monthly EACH, ONLY 49.95

SAVE \$5.00! TWO FOR ONLY 94.90

95 DU 266-J. Unfinished Model KN-281. In smooth-sanded, ready-to-finish ¾" gum hardwood. . EACH, ONLY 44.95

HIGH-COMPLIANCE 3-WAY SPEAKER SYSTEM

Only
\$79⁹⁵

- 4 Speakers—10" Woofer, 2—3½" Mid-Range Radiators, UHF Tweeter
- Treble Extends to 17,000 Cps
- Requires Only a 10-Watt Input for Room-Filling Sound

\$5 monthly

Designed to delight the critical hi-fi connoisseur, the KN-2200 achieves new goals in neat, space-saving design and rich sound . . . at modest cost! Blue-ribbon components include: 10" high-compliance woofer with ¾" cone excursion; two 3½" special-design, mid-range radiators with enclosed backs; exclusive hemispherical ultra-high-frequency tweeter with dome construction for uniform distribution of highs. Enclosure is precisely tuned to match speakers. Size, 13½x23¾x11½". Oiled walnut with natural cane grille cloth. Made in U.S. 38 lbs.

95 DU 267-J. \$5 Monthly EACH, ONLY 79.95

SAVE \$10.00! TWO FOR ONLY 149.90

95 DU 268-J. Unfinished Model KN-2200. In smooth-sanded, ready-to-finish ¾" gum hardwood. . EACH, ONLY 69.95

SPECIFICATIONS

Frequency Response: 35-15,000 cps.
Crossover: 2000 cps, R-C type; level control.
Capacity: 30 watts, program material.
Impedance: 8 ohms.
Woofer Magnet: ½ lb. Alnico V.

SPECIFICATIONS

Frequency Response: 30-17,000 cps.
Crossover: 2 kc, 10 kc (L-C); balance cont.
Capacity: 40 watts, program material.
Impedance: 8 ohms.
Woofer Magnet: 1 lb., Alnico V.

Knight Components Are Unconditionally Guaranteed For One Year

ALLIED 89



KNIGHT

HI-FI SPEAKERS

Our Own Supreme-Value Speaker.



KN
612HC

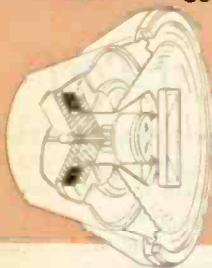
COMPARE THESE FEATURES

High-Compliance 12" woofer cone.

4.6-lb. Ceramic Magnet for superior damping.

Whizzer Cone gives extra-clean mid-range.

Compressor Tweeter for extended highs.



New KN-612HC 12" 3-Way Speaker

Only
\$59⁹⁵

- Improved Version of the Famous KN 600HC
- Sensational Bass in Any Enclosure
- Now Includes Mid-Range Whizzer Cone
- Exceptional Power Handling Capacity

A marvelous engineering accomplishment, the new KN 612HC actually surpasses the high-fidelity performance of its respected predecessor, the popular KN-600HC. Convincing evidence of superior Knight design, this superb speaker gives you extra-solid, distortion-free bass that simply must be heard to be believed. What's more, you get balanced mid-range and highs, too. No other speaker at this price can even come close to duplicating the sound quality of this magnificent performer.

Enclosure size and type of loading are not critical with the KN-612HC. Its super-efficient 4.6-lb. ceramic magnet, and 12" high-compliance woofer with unusually low resonance frequency provide outstanding bass in any enclosure. The new whizzer cone, with a mechanical crossover at 2000 cps, lends added "presence" to the mid-range for true "you are there" concert-hall realism. A built-in electrical crossover smoothly channels all frequencies above 3500 cps to the compression-type tweeter for a treble response that extends all the way up to 19,000 cps!

The precision copper-ribbon voice coil, and other moving elements, are maintained in perfect alignment by the rigid cast-alloy frame. A calibrated brilliance control on a 36" cable lets you precisely adjust treble response to suit room acoustics or personal taste. Has convenient screw-type binding post terminals. Overall speaker depth is 7 1/2". Made in U.S. Shpg. wt., 32 lbs.

95 DU 201-J. \$5 Monthly. ONLY 59.95

SPECIFICATIONS

- Free-Air Resonance: 35-45 cycles per second.
- Overall Frequency Response: 30 to 19,000 cps.
- Rated Power Capacity: 50 watts.
- Impedance: 8 ohms.

All-New KN-615HC 15" 3-Way Speaker

Only
\$89⁹⁵

- Deluxe Version of Our KN-612HC
- Bass Response Descends Down to 20 Cps
- Lets You Actually Feel the Lowest Tones of Mighty Pipe Organs

The newly engineered KN-615HC is our "Big One"—the speaker to choose if you want the absolute *maximum* in low-frequency reproduction, plus natural mid-range and sparkling high-frequency response. This audiophile's dream employs all the fine features of the KN-612HC above, with an immense 15" woofer cone that gives you the most *authentic* bass possible—in any type of enclosure. Reproduction is so clean, so pure that you can actually feel giant pipe organs hit their lowest frequencies. Has mechanical and electrical crossovers at 2000 and 3500 cps, respectively. Free-air resonance is 25-35 cps. Overall frequency response is 20 to 19,000 cps. Impedance, 8 ohms. Speaker depth is 9 1/2". Made in U.S. Shpg. wt., 38 lbs.

95 DU 202-J. \$5 Monthly. ONLY 89.95



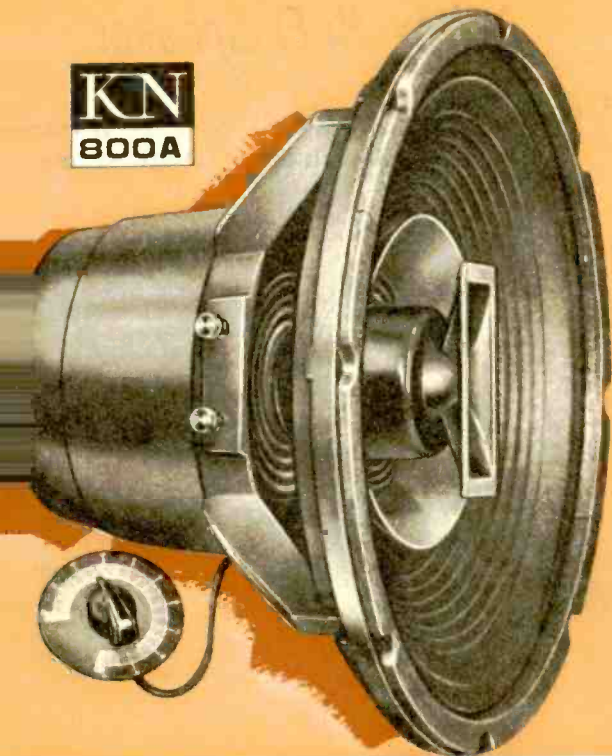
KN
615HC

amous for Smooth, Natural Sound

KNIGHT

HI-FI SPEAKERS

KN
800A



3-WAY DESIGN



12" Woofer cone gives rich, full "lows."



Mid-Range Radiator for exciting "presence."



Horn-Type Tweeter adds silken "highs."

KN-800A 12" 3-Way High-Fidelity Speaker
Our Best Seller . . . Your Best Buy at This Price

Only **\$39⁹⁵** \$5 monthly

THRILL TO SUPERB HI-FI FROM THIS UNIVERSAL FAVORITE

- Features a Reliable, Tried-and-Proven Design
- Precisely Balanced Bass, Mid-Range and Treble
- High Efficiency—Performs Beautifully in Any Enclosure With Any Hi-Fi Amplifier
- Manufactured Under Stringent Quality Controls
- Rigid Cast Frame Maintains Structural Stability
- Smooth Response from 35 to 15,000 Cps

SPECIFICATIONS

Free-Air Resonance: 50 cycles per second.
Overall Frequency Response: 35 to 15,000 cps.
Magnet: Ceramic; 1 1/4 pounds.
Rated Power Capacity: 25 watts of program material.
Impedance: 16 ohms.
Crossover Frequencies: 2000 and 3500 cps.

Recognized by audiophiles around the world for its high efficiency and excellent high-fidelity performance! The KN-800A's proven three-element design gives you sound that cannot be equaled by other speakers at its price. What's more, this speaker gives you outstanding reproduction in any enclosure—use it with horn, reflex or shelf types—and performs marvelously with any high fidelity amplifier, even low-power units.

The three sound-radiating elements of the KN-800A—a 12" bass cone, axially mounted mid-range cone, and diffraction-horn tweeter—have two crossovers for nearly distortionless audio. A mechanical crossover at 2000 cps separates bass and mid-range units, and a capacitor-type crossover at 3500 cps gives a smooth transition to the high frequencies. As a result, the sound you hear is an almost-perfect blend without audio peaks or breaks.

The bass and mid-range cones are driven by a special-design ceramic magnet that develops a powerful, highly concentrated flux for solid, distinct bass. The tweeter has a separate horn and driver for wide dispersion of velvety "highs." A tweeter-level control on a 36" cable permits adjusting treble response to any desired volume. Screw-type binding terminals afford easy connection of speaker wire. Speaker depth is 8". All specs are lab-verified. Made in U.S. Shpg. wt., 12 lbs.
95 DX 250-J. \$5 Monthly. ONLY 39.95

No Money Down—24 Months to Pay—with Allied's Credit Fund

ALLIED 91



KNIGHT

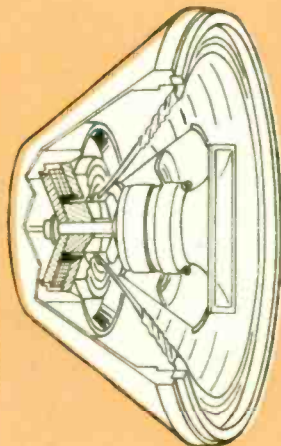
HI-FI SPEAKERS

NEW Budget-Priced 12" 3-Way Hi-Fi Speaker

\$26⁹⁵

\$5 monthly

NOW . . . all the benefits of true 3-way design at rock-bottom cost



Rigid Die-Cast Frame Securely Holds All Moving Elements in Precise Alignment

13-Ounce Magnet is Ceramic Type for Higher Efficiency and Better Bass

Edgewise-Wound 2" Copper-Ribbon Voice Coil Assures Lowest Distortion

Compression-Type VHF Tweeter Has Built-in Electrical Crossover and a Level Control on a 36" Cable

KN 830

OUR LOWEST-PRICED 3-WAY 12" SPEAKER



TRUE 3-WAY DESIGN
12" WOOFER CONE
MID-RANGE CONE
VHF TWEETER

- Never-Before Such Audio Quality at This Low a Price
- 3 Elements Provide Smooth Response From 40-18,000 Cps
- Built-In Crossovers—Comes With Tweeter Level Control
- Only 5½" Deep for Convenient Custom Mounting

The all-new Knight KN-830 incorporates the latest developments in acoustic engineering to introduce a new level of performance to speakers in the popular price range. It includes many of the features of the most expensive 3-way speakers, yet is offered to you at a price far below that of many 2-way units. Genuine 3-element construction, 2 built-in crossovers, and a high-efficiency ceramic magnet help to provide an authentic, low-distortion frequency response that extends all the way from 40 to 18,000 cps. Truly, the KN-830 is an enviable accomplishment in speaker design!

A heavy die-cast frame and fiberglass coil form keep the edgewise-wound voice coil in precision alignment for years and years of faithful service. In addition, the long-throw coil design greatly reduces distortion, especially at high listening levels—where low distortion figures are a must! The 12" bass cone is carefully decoupled, by a mechanical crossover, from the mid-range cone so that each unit acts independently—there is no compromise in design—you enjoy powerful bass reproduction, plus a crystal-clear mid-range for an exciting feeling of "presence".

The very-high frequency (VHF) driver gives a uniform distribution of highs for excellent treble reproduction in every part of the room—a vital characteristic for proper balance in stereo music systems. A high-frequency level control permits adjusting tweeter volume level to suit room acoustics. Binding post terminals. Made in U.S. Shpg. wt., 9¼ lbs.

95 DX 204-J. \$5 Monthly ONLY 26.95

KN-830 SPECIFICATIONS

Free-Air Resonance: 60 cps.

Overall Frequency Response: 40 to 18,000 cps.

Power Capacity: 20 watts.

Magnet Weight: 13 oz.

Magnet Material: Ceramic.

Crossover Frequencies: Mechanical at 2000 cps; electrical at 4000 cps.

Voice Coil: 2", edgewise wound.

Flux Density: 11,500 gauss.

EIA Sensitivity: 47 db.

Impedance: 8 ohms.

Speaker Depth: 5½".

Our Lowest-Priced 12" High-Fidelity Speaker

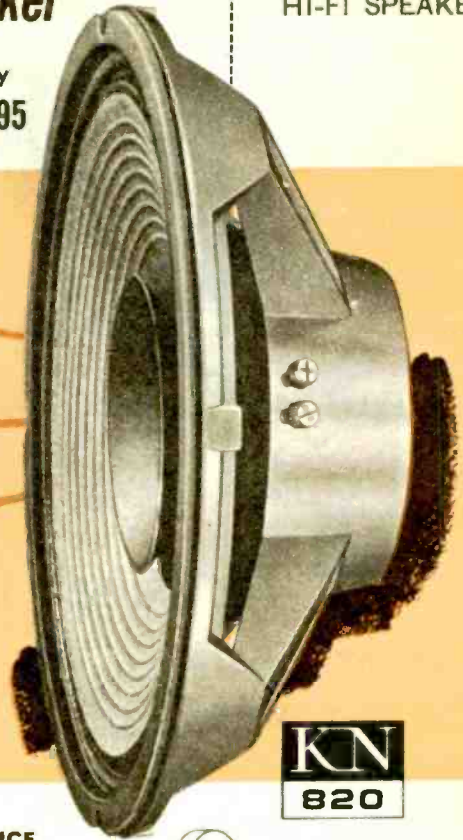


KNIGHT

HI-FI SPEAKERS

dual-cone design . . . for richer
bass and extended-range treble

Only
\$16⁹⁵



KN
820

SHELF ENCLOSURE

**CUSTOM WALL
INSTALLATION**

FLOOR ENCLOSURE

LOOK WHAT YOU GET AT THIS LOW PRICE

Efficient Ceramic Magnet • Dual-Cone Design with Woofer for Maximum Bass and Smaller Cone for Clear Mid-Range and Treble • Die-Cast Frame • Edgewise-wound 2" Copper-Ribbon Voice Coil • Built-In Mechanical Crossover • Extra-Shallow Depth for Custom Mounting

A real favorite among economy-conscious hi-fi enthusiasts, the KN-820 is priced so low that you can purchase two of them for less than you'd pay for a single speaker of comparable quality. Carefully manufactured to meet our own unyielding specifications, the KN-820 gives you more for your money in every way. Compare it any way you choose—it is unquestionably the finest high-fidelity speaker value available in its price class.

Wide-range audio reproduction, without shrillness, is assured by its proven dual-cone design. The big 12" woofer delivers surprisingly solid bass, and the small mid-range cone efficiently handles the important mid-frequencies and the upper audio range. A mechanical crossover channels all frequencies above 4500 cps to the mid-range radiator. Another highlight is the extremely shallow frame design of the "820"—it's only 4" deep—permits it to be easily custom-installed in walls, in "thin-line" enclosures, consoles, etc. Also an excellent unit for wall-baffle extension-speaker use.

Other "big features" are: edgewise-wound copper ribbon 2" voice coil assembly; perfectly molded fiberglass coil form sealed against dust for outstanding durability; a ring-type ¾-pound ceramic magnet; and a rigid die-cast zinc frame for permanent centering of all sound-reproducing elements—maintains low distortion levels for the entire lifetime of the speaker. Has convenient binding post terminals for fast and simple connection to any amplifier. Made in U.S. Shpg. wt., 6 lbs.

95 DX 203-J ONLY 16.95



Ring-type ceramic magnet for efficient concentration of flux density in speaker air gap, low leakage and great strength.

KN-820 SPECIFICATIONS

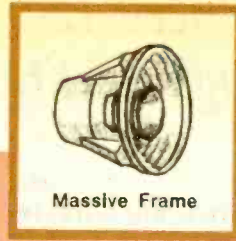
- Free-Air Resonance:** 65 cps.
- Overall Frequency Response:** 40 to 13,000 cps.
- Power Capacity:** 20 watts.
- Magnet Weight:** ¾-lb
- Magnet Material:** Ceramic.
- Crossover Frequency:** 4500 cps (mechanical).
- Voice Coil:** 2"; edgewise-wound
- Flux Density:** 10,500 gauss.
- EIA Sensitivity:** 43 db.
- Impedance:** 8 ohms.
- Speaker Depth:** 4".

Enjoy More Buying Power With Allied's Credit Fund Plan



KNIGHT

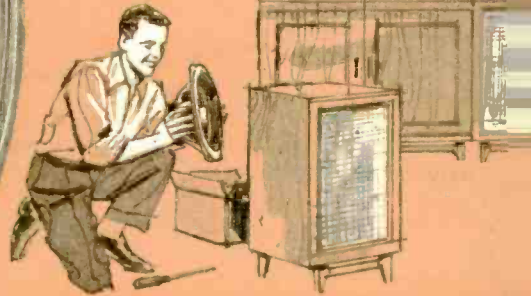
HI-FI SPEAKERS



Massive Frame



2-Cone Construction



KN 1200

"Top Value" 12" Extended-Range Speaker

SPECIFICATIONS

- Overall Frequency Response: 40 to 14,000 cps.
- Capacity: 30 watts of program material.
- Flux Density: 10,000 gauss.
- Free Air Resonance: 45 cps.
- Impedance: 16 ohms.
- Speaker Depth: 7 1/2".

YOU PAY LESS for Knight Speakers Because They Are Our Own Products and Are Sold to You DIRECT.

Only
\$29⁹⁵

\$5 monthly

- 12" Woofer Cone With Cloth Suspension for Deep Bass
- Mid-Range Propagator Cone Develops Superb Highs
- Double-Power 1-lb., 6-oz. Indox Ceramic Magnet
- Heavy Cast Frame Keeps Cone and Voice Coil Rigid
- Has 2" Aluminum-Ribbon Voice Coil—Fiberglas Form

Designed without compromise to give you the most for your money—to give you full, rich bass sound without distortion, and crisp, clean highs without annoying shrillness—this is the economy-priced KN-1200 speaker. It has many of the features and specifications of speakers costing up to twice its modest price: heavy cast frame to keep speaker cone and delicate voice coil in perfectly centered position; two cones to divide sound into best bass response and most efficient high-frequency propagation; heavy, ring-type Indox magnet for highest power at lowest distortion; edgewise-wound, 2" aluminum-ribbon voice coil is precisely made and wound on fiberglas coil form into a rigid assembly—maintains its shape for the life of the speaker; no interaction of elements to cause distortion. Has standard-spaced holes for mounting studs, plus solderless binding posts for connections. Made in U.S. 13 1/2 lbs.

95 DX 205-J. \$5 Monthly. **ONLY 29.95**



H-F Unit

HIGH-FREQUENCY PACKAGE



Crossover /L-Pad

KN-425 Tweeter, Crossover and L-Pad

Only
\$17⁹⁵

- Mounts Inside Virtually Any Enclosure
- Level Control for Precise Adjustment
- For Single-Cone or 2-Way Speakers

There's no finer, easier way to add brilliant "highs" to your present single-cone speaker or 2-way speaker system than with the superb KN-425 tweeter package. It offers superior performance, backed up by specially designed, top-notch components. Includes: VHF tweeter, L-C type crossover network in sealed housing, and Integral L-pad level control. Tweeter employs a flanged, cast exponential horn with diffraction principle to achieve wide dispersion of highs. Response: 3000 to 18,000 cps. Crossover: 3500 cps. Dispersion: 180°. Power Capacity: 25 watts (in conjunction with woofer). Impedance: 8-16 ohms. Magnet: 6 oz. Alnico V. Made in U.S. Shpg. wt., 3 lbs.

95 DX 206-J. **ONLY 17.95**

COMBINATION OFFER. Save \$2.95—buy the KN-1200 above, with this high-frequency package.

95 DU 950-2J. **BOTH FOR ONLY 44.95**



KN
829



KN
819

Get More for Your Money With Knight Hi-Fi Speakers

NEW! Deluxe-Quality 8" Coax Speaker

Only
\$24.95

- One-Lb. Magnet for Distortion-Free Sound Reproduction
- Compression-Type Tweeter for Best Highs—Without Shrillness
- Safely Handles Up to 20 Watts of Program Power

—\$5 monthly

New, superb 8" coax speaker reproduces full dynamic range. Features electrically and acoustically independent woofer and tweeter. Woofer has 1-lb. ceramic magnet, 1 1/2" voice coil for unusually powerful bass in any enclosure; bore-fire compression-type tweeter produces silky smooth highs without harshness. Response: 40 to 15,000 cps. Capacity: 20 watts. Resonance: 55 cps. Crossover: capacitor-type, 3000 cycles. Depth: 5 1/4". Impedance: 8 ohms. Binding post terminals. Made in U.S. 6 lbs.

95 DX 253-J. \$5 Monthly **ONLY 24.95**

Budget-Priced Popular 8" Coax Speaker

Only
\$17.95

- Separate Woofer and Direct-Radiator Tweeter Cones
- Rated At 15 Watts Program Material
- Convenient Binding Post Terminals
- Capacitor-Type Crossover Network

Smooth, natural sound for pleasing music or voice reproduction highlights the famous KN-819 speaker. Has true coaxial design; 10-oz. ceramic magnet for rich bass; direct-radiator tweeter for mid-range and highs with full realism; sturdy, die-cast frame for perfect centering of speaker elements; binding post terminals. Response: 50 to 14,000 cps. Crossover: capacitor-type, 3000 cycles. Capacity: 15 watts of program material. Impedance: 16 ohms. Mounting Depth: 3 1/4". Made in U.S. Shpg. wt., 4 lbs.

95 DX 252-J **ONLY 17.95**

Economy 8" Wide-Range Hi-Fi Speaker

Only
\$9.95

- Great for Economy Music Systems or Extension Speaker Use
- Solid, Die-Cast Frame for Rigidity

Designed to give you fine sound at the lowest cost, the KN-809 provides mellow bass response and clear mid-range plus surprisingly authentic highs. Has a 10-oz. ceramic magnet, die-cast frame, and soft-suspension, hyperbolic woofer cone. Use it for low-cost music systems; as an extension speaker; or as a high-quality mid-range speaker in two or three-way speaker systems, etc. Its small size, only 3 1/16" deep, makes it fine for use in a wide variety of space-saving enclosures. Excellent choice for background music systems with wall or ceiling installation. Response: 50 to 12,000 cps. Capacity: 15 watts of program material. Depth: 3 1/16". Impedance: 8 ohms. Binding post terminals. Made in U.S. Shpg. wt., 3 lbs.

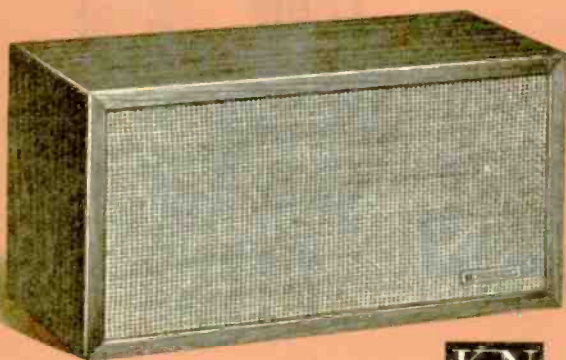
95 DX 251-J **ONLY 9.95**



KN
809



MUSIC SYSTEM COMPONENTS



KN
1284



KN
1286

Low-Cost Shelf-Size Speaker Enclosures

KN-1284 8" COMPACT SPEAKER ENCLOSURE

Only
\$19⁹⁵

- Small Enough for Wall, Shelf or Floor —Large Enough for "Big Sound"
- Solid 3/4" Paneling for Clear Bass
- Oiled Walnut Finish on Four Sides

\$5 monthly

The best looking, best performing shelf-size enclosure available at this low price. It's a smart choice for lowest-cost stereo, budget-priced monophonic systems, and for high-quality extension-speaker use. Nicely finished on four sides, the KN-1284 is usable in highboy or lowboy positions . . . and measuring just 10x20x9", it unobtrusively nestles just about anywhere.

Heavy 3/4" all-wood paneling permits pleasing bass reproduction that puts a zestful "solid sound" into music. Internal design not only accommodates any 8" speaker, but greatly adds to its performance. You enjoy audio quality that's unexpected at such low cost.

The expertly crafted KN-1284 sports a handsome oiled walnut finish and a matching beige grille cloth. Includes fiberglass acoustic lining, and terminal strip on back board. Made in U.S. Shpg. wt., 15 lbs.

95 DU 475-J. \$5 Monthly. **ONLY 19.95**

KN-1284/KN-829 PACKAGE

Save \$4.95 by purchasing these two components as a complete speaker system. Consists of the KN-1284 and Knight's new wide-range 8" coaxial speaker, the KN-829 (described earlier in this section). Frequency response, 45-15,000 cps. Shpg. wt., 20 lbs.

20DU360-2J. BOTH ONLY 39.95



KN-1284,
KN-829 Coax

KN-1286 12" VENTED-PORT SPEAKER ENCLOSURE

Only
\$29⁹⁵

- Vented-Port Design and 3/4" Wood Paneling for Deep, Clean Bass
- Fiberglass Lining—Mitered Corners
- Oiled Walnut Finish on Four Sides

\$5 monthly

An economical speaker enclosure offering a number of deluxe construction details, space-saving size, and a very pleasing appearance. Acoustically engineered for 12" speakers, including most 2 and 3-way types, the KN-1286 is the inevitable choice for cost-conscious hi-fi fans desiring a compact enclosure, but still demanding first-rate audio reproduction.

The KN-1286 features a custom-fitted fiberglass acoustic lining, heavy 3/4" paneling, and vented-port cabinet design for extended-range natural-sounding bass. Also has expertly crafted mitered corners, and a matched grille cloth that allows free passage of highs.

All four sides are beautifully finished in an oiled walnut veneer. Back board has a wired terminal strip for really fast, easy hook-up. Only 14 3/4"x24x12" deep. Made in U.S. Shpg. wt., 30 lbs.

95 DU 531-J. \$5 Monthly. **ONLY 29.95**

KN-1286/KN-830 PACKAGE

Save \$6.95 off catalog prices by purchasing the KN-1286 and Knight's KN-830 12" 3-way speaker together. This great team delivers amazing sound quality at a very moderate cost. Response, 40-18,000 cps. (KN-830 listed earlier in this section). 40 lbs.

20DU361-2J. BOTH ONLY 49.95



KN-1286
3-Way KN-830

Enjoy Stereo at Any Volume, in Full Privacy . . . Experience unexcelled Channel Separation!



KNIGHT

MUSIC SYSTEM COMPONENTS



NEW



For the Ultimate in Hi-Fi Listening



Hammond Reverberator Panel—Fastens to Equipment Cabinet, Changer, etc.

Professional Components for Added Hi-Fi Enjoyment

NEW KN-845 STEREO HI-FI HEADSET

Only \$19.95

- 3 1/2" Cone-Type Dynamic Transducers Give Full-Range 25-16,000 Response
- Built for Comfort to the "Nth Degree"
- Works With Any Amplifier

\$5 monthly

The KN-845 professional headset brings you fabulous stereo realism that simply can't be duplicated by regular speaker systems. Since each earcup is actually a precision, 3 1/2" dynamic transducer in an acoustic chamber, you enjoy the absolute maximum in channel separation, perfect balance, freedom from external noise . . . and a crisp 25-16,000 cps response! You are surrounded by "living sound" that puts you in "front row center."

Lightweight design and soft, sponge-rubber-padded earcups and headband permit long periods of comfortable listening. Adjusts to fit anyone. Earcushions are removable for cleaning. Has beautiful medium-blue leatherette covering on earpieces and headband. With 8' cord, phone plug, and phone jack mounted on "L" bracket for handy hook-up to any amplifier. Impedance, 4-16 ohms. Made in U.S.A Shpg. wt., 2 1/2 lbs.

95 DX 825-J. \$5 Monthly. ONLY 19.95

KN-846 REMOTE CONTROL UNIT FOR ABOVE

Chairside volume control for one or two KN-845s. Two controls independently adjust volume of two headsets. Listen with or without speakers. Less cables. 2 3/4 x 2 x 4". Made in U.S. 1 1/2 lbs.

95 D 826-J. ONLY 7.95

48 W 021 5-Conductor Cable For Above. Per Foot. ONLY 3 1/2



Enjoy Handy Chair-side Control

KN-702 REVERBERATION SYSTEM

Only \$49.95

- Adds New Depth and Beauty to All Recordings and FM-AM Broadcasts
- Lets You Control the Acoustics
- For Stereo or Mono Amplifiers

\$5 monthly

Much more than a novelty or a simple echo device, the KN-702 is an extremely valuable hi-fi accessory. It injects new beauty and depth into old lackluster records, imparts a vibrant, professional quality to recordings you've made at home . . . and converts "dead" rooms into spacious, acoustically perfect music halls.

All this is achieved by electro-mechanically simulating the special sound-reflecting panels used in recording studios. Output control lets you adjust for just the amount of "reflection" necessary to give the acoustic effect you want. Fidelity is not affected.

Connects to output terminals of any stereo or monophonic amplifier. Requires separate 8 or 16-ohm speaker (optional). Consists of a Hammond Type 4 Reverberator Unit and Amplifier Unit (2 3/4 x 9 3/4 x 8"). For 110-120 v., 50-60 cycle AC. Made in U.S.A. 8 lbs.

95 DU 067-J. \$5 Monthly. ONLY 49.95

LINCOLN L-100 SPEAKER SYSTEM

Perfect for use with the KN-702 above. Ready to use, it's equipped with a 25' extension cable and a level control. 8x12x6" enclosure houses a quality 5x7" speaker. Has cane grille cloth and simulated walnut finish. 8 ohms. 5 lbs.

95 DX 350-J. ONLY 9.95



Ideal for Use With KN-702 Reverb Unit

Knight Components Are Unconditionally Guaranteed for One Year

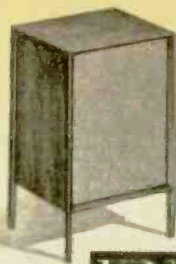


KNIGHT

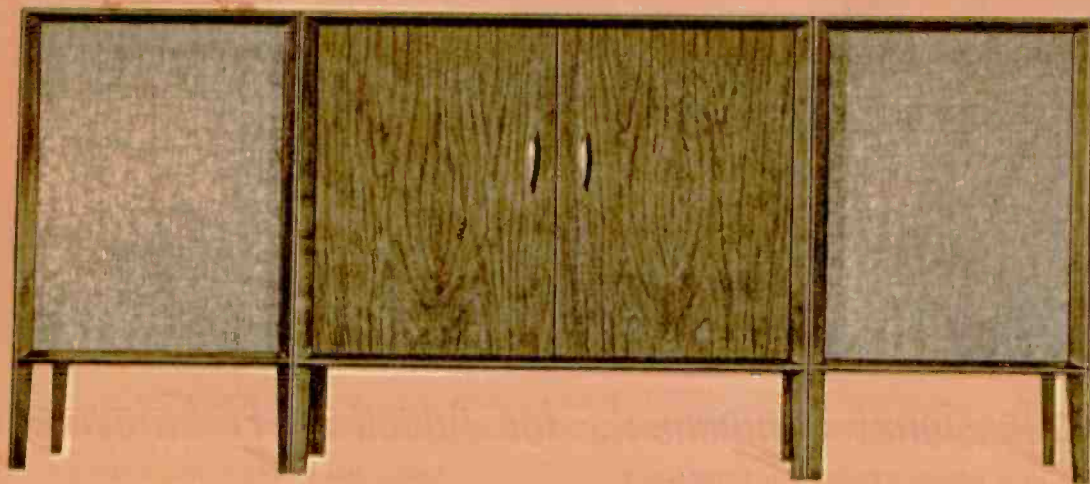
HI-FI FURNITURE



KN
1402



KN
1267



Custom-Crafted Contemporary Furniture Group

COMPLETE 3-PC. MATCHED ENSEMBLE

In Kit Form	•	Assembled	Beautiful Low-Cost
\$149⁹⁵	•	\$179⁹⁵	Furniture for Your HI-Fi
	•		Components . . . Enhances
\$8 monthly	•	\$9 monthly	Any Room or Setting . . .
	•		Kit or Assembled

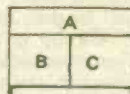
KIT VERSION. A graceful and dignified grouping of slender-styled fine-furniture cabinetry. Simple but elegant, the KN-1402K equipment cabinet in the center, houses your tuner, amplifier, changer or turntable, and recordings. A pair of trim, carefully matched KN-1267K enclosures accept any 12" or 15" speakers, and include adapter boards for accommodating tweeter components. All three furniture pieces are marvelously easy to assemble—you only need a screwdriver! All holes are pre-drilled, all parts are precision-cut and carefully pre-fitted; and all outer surfaces boast beautiful oiled walnut veneers, pre-finished by experts.

The KN-1402K offers carefully-fitted front-opening doors, and rear-panel ventilation to keep components cool (supplied less phono drawer; purchase of a sliding-drawer base specifically made for your turntable or changer is recommended). The KN-1267Ks have high-fashion grille cloth, mitered, pre-assembled front moldings, and acoustic insulation. In oiled walnut only. Overall ensemble size: 31 1/2" high, 75 1/2" wide, and 19" deep. Tops are cut from same piece of wood to assure matching grain. Shpg. wt., 159 lbs

95 DZ 411-3J. 3-Pc. Ensemble (KN-1402K, 2—KN-1267K) . ONLY 149.95

ASSEMBLED VERSION. Identical to above, but factory assembled. **95 DZ 400-3J. \$9 Monthly ONLY 179.95**

PURCHASED SEPARATELY



EQUIPMENT CABINET KIT

Compartment Sizes:

- A—Amplifier-Tuner: 8x35x15"
- B—Records, Etc.: 14x15 1/4 x 16 1/4"
- C—Changer/T-table: 14x18 3/4 x 16 3/4"

MODEL KN-1402K. Knight's lowest-priced equipment cabinet kit. Less phono drawer. Overall size: 31 1/2 x 36 1/2 x 19". Oiled walnut only. 65 lbs. **95 DZ 414-J. \$5 Monthly. ONLY 59.95**

95 DZ 403-J. Model KN-1402. As above, but assembled . . . **ONLY 74.95**

SPEAKER ENCLOSURE KIT

MODEL KN-1267K. Performs beautifully with any 12" or 15" speaker. Has terminal strip installed, inside leads, etc. 31 1/2 x 19 1/2 x 19". 47 lbs. **95 DZ 417-J. \$5 Monthly. ONLY 46.95**

95 DZ 408-J. Model KN-1267. As above, but assembled . . . **ONLY 54.95**



KN
1275



KN
1500

 **KNIGHT**

HI-FI FURNITURE



Tastefully Styled Danish-Modern Furniture Group

COMPLETE 3-PC. MATCHED ENSEMBLE

In Kit Form

Assembled

\$194⁹⁵

\$239⁹⁵

\$10 monthly

\$12 monthly

All 3 pieces in this ensemble have tops cut from the same piece of wood . . . preserves the beauty of the matching grain.

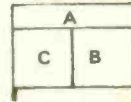
KIT VERSION. A classic in furniture styles, Danish Modern cabinetry combines functional design with appealing beauty . . . and our Knight ensemble typifies this style at its best. The handsome KN-1500K equipment cabinet even has a rich walnut interior to highlight your components—it's tuner-amplifier section has an optional panel for custom mounting. The deluxe KN-1275K speaker enclosures accommodate any 12" or 15" speakers, and have 2½x12" tweeter boards for 2 or 3-way system components. All three pieces feature top panels cut from the same piece of wood to preserve the natural beauty of the matching wood grain!

A screwdriver and one evening's time is all you need to assemble one of these fine furniture cabinets. Outer surfaces are expertly pre-finished in oiled walnut, holes are pre-drilled, all parts are precision cut and pre-fitted. (KN-1500K is supplied less phono drawer; we recommend using a base made for the changer of your choice.) With easy instructions. In oiled walnut only. Overall ensemble size: 33" high, 78" wide, and 20¼" deep. Shpg. wt., 220 lbs.

95 DZ 429-3J. 3-Pc. Ensemble (KN-1500K, 2—KN-1275K). ONLY 194.95

ASSEMBLED VERSION. Identical to above, but factory assembled. **95 DZ 426-3J. \$12 Monthly. ONLY 239.95**

PURCHASED SEPARATELY



EQUIPMENT CABINET KIT

Compartment Sizes:

A—Amplifier-Tuner: 8x34½x15¾"

B—Changer/T-table: 15¼x19x18¼"

C—Records, Etc.: 15¼x14¾x18¼"

MODEL KN-1500K. One of our most popular cabinets. Swing-out front doors. Less phono drawer. 33x36x20¼". Oiled walnut only. 80 lbs.

95 DZ 430-J. \$5 Monthly. ONLY 79.95

95 DZ 427-J. Model KN-1500. As above, but assembled . . . ONLY 94.95

SPEAKER ENCLOSURE KIT

MODEL KN-1275K. Acoustically correct for any 12" or 15" speaker. Has terminal strip, acoustic insulation. 33x21x20¼". 70 lbs.

95 DZ 431-J. \$5 Monthly. ONLY 59.95

95 DZ 428-J. Model KN-1275. As above, but assembled . . . ONLY 74.95

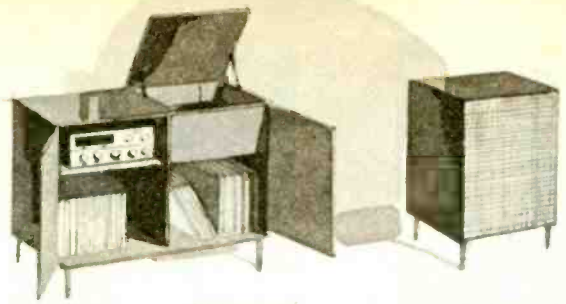
You Get More for Your Money From Allied

ALLIED 99



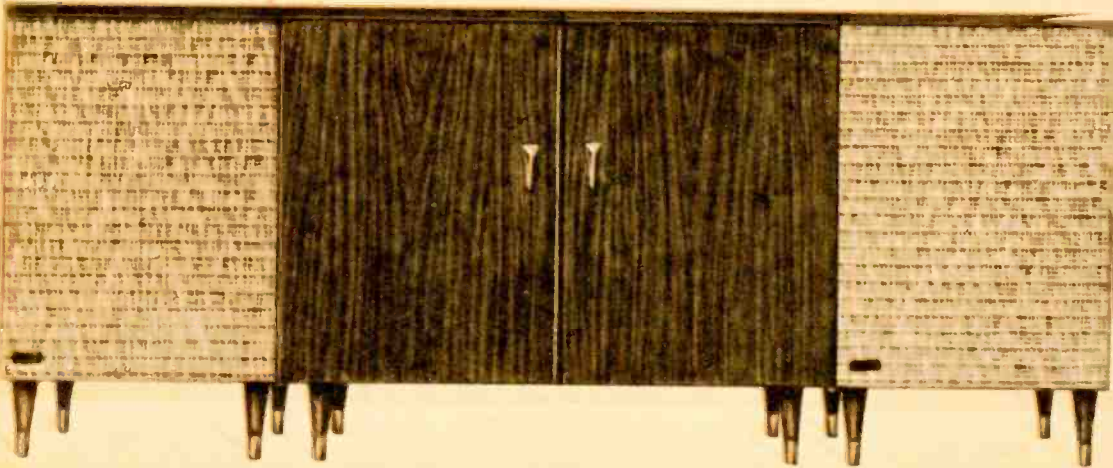
KNIGHT

HI-FI FURNITURE



KN
1900

KN
1901



Popular-Priced Contemporary Furniture Group

COMPLETE 3-PC. MATCHED ENSEMBLE

Only
\$144⁹⁵
\$8 monthly

- Beautifully Fits into Any Contemporary Decor
- Houses Amplifier, Tuner, Changer, Records or Accessories, Plus 12" or 8" Speakers
- Oiled Walnut Finish—Boucle-Weave Grille Cloths—Factory Assembled

Neatly styled and functionally designed . . . a wise choice for anyone desiring a low-cost ensemble that will complement any contemporary decor. All three pieces are carefully matched, and all are exactly 16 1/4" deep so that you can attractively group them directly together—or place the speaker enclosures on opposite sides of your room for increased channel separation. All units have fine-crafted oiled walnut veneers and tapering, brass-tipped legs.

The KN-1900 equipment cabinet features a handy "lift-top" record-changer compartment that eliminates most stooping and bending while you're loading or unloading records. Tuner-amplifier compartment (sections A and C in diagram at right) has adjustable center shelf for accommodating components of any size—or removes altogether for extra storage space. Rear-panel ventilation keeps all components operating within a proper temperature range.

The KN-1901 speaker enclosures boast a ducted-port bass-reflex acoustical design for bringing out the utmost bass performance from all speakers, either 8" or 12". Include screw-type terminal strips on back board for easy hook-up. Oiled walnut only. Overall ensemble size: 28 1/2 x 71 1/2 x 16 1/4" deep. Made in U.S. Shpg. wt., 135 lbs.
95 DZ 500-3J. \$8 Monthly. KN-1900 and 2 KN-1901s. . . . ONLY 144.95

UNITS SEPARATELY



EQUIPMENT
CABINET

Inside Dimensions:

A—21 3/4 x 16 1/4 x 15 1/4" D.

B—16 1/4" W.; 14 1/8" D.

D—Storage: 12 1/4 x 16 1/4 x 15 1/4" Deep.

MODEL KN-1900. A splendid value in a low-cost equipment cabinet. Houses all components except speakers. Tuner-amplifier compartment has two adjustable shelves for maximum versatility. Has convenient lift-top changer section. 28 1/2 x 36 x 16 1/4" deep. Oiled walnut only. Wt., 65 lbs.
95 DZ 501-J. \$5 monthly. . . . 69.95

KN-1901 SPEAKER ENCLOSURE

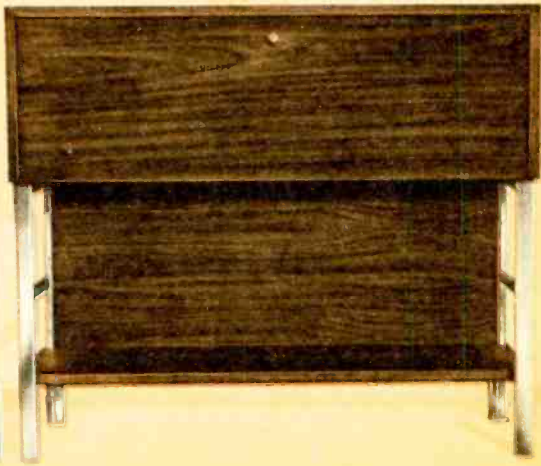
Smartly styled, the KN-1901's ducted-port bass-reflex design enhances the bass performance of all speakers. Takes any 12" speaker, and has an adapter board for 8" units, if preferred. Rich-looking boucle-weave grille cloth. 28 1/2 x 17 3/4 x 16 1/4" deep. Oiled walnut only. 35 lbs.
95 DZ 502-J. \$5 monthly. . . . 39.95

**FOR A BUDGET-PRICED
CONTEMPORARY ENSEMBLE . . .**

. . . choose our new KN-2055
low-cost equipment console and
a pair of slim-style KN-1285
speaker enclosures. Enjoy top
convenience . . . modern styling too!



The Last Word in
Contemporary
Style . . . Chic
Drop-Front Door
. . . Lowest Cost.



Lowest-Cost Contemporary Hi-Fi Furniture

KN-1285 SPEAKER ENCLOSURE

Only
\$34⁹⁵

\$5 monthly

- Our Lowest-Cost Floor Enclosure
- Accommodates 8" or 12" Speaker
- Rigid $\frac{3}{8}$ " Plywood Construction
- Walnut or Mahogany Veneer
- Compact—Marvelous for Stereo

Strikingly styled speaker enclosure featuring genuine fine furniture veneers . . . and especially priced to please the thrifty hi-fi fan. Accommodates any 12" speaker, including coaxial or 3-way types; includes an adapter board to permit using an 8" speaker, if preferred.

Sturdily built of solid $\frac{3}{8}$ " plywood, the "1285" is noted for clean resonance-free performance. Acoustic lining also contributes to bass reproduction and helps prevent harshness in high-frequency range. Tops in looks too, this enclosure's compact dimensions make it fine for use in any room. The trim, graceful lines are enhanced by leg and frame treatment that captures the "light look" sought by today's top decorators. Attractively finished in rich, hardwood veneers.

Back board is equipped with a wired, screw-type terminal strip—speaker hook-up is a snap. Mounting lugs make speaker-mounting equally simple. $30\frac{1}{2} \times 19\frac{3}{8} \times 13\frac{3}{8}$ " deep. Made in U.S. Shpg. wt., 30 lbs.

95 DZ 526-J. Oiled Walnut **ONLY 34.95**
95 DZ 527-J. Mahogany **ONLY 34.95**

NEW! KN-2055 EQUIPMENT CONSOLETTA

Only
\$69⁹⁵

\$5 monthly

- Truly Functional Contemporary Styling—Oiled Walnut Veneer
- Accommodates Tuner, Amplifier, Changer, Stores Records
- Front Door has Magnetic Latches

Group your hi-fi components into a striking custom array with this ultra-modern consolette. Priced remarkably low, it gives you the advantages of a console-type unit at minimum cost, space-sparing design, and eliminates the need for mounting of components—just set them into place inside their compartments.

Unusually compact, the KN-2055 houses tuner, amplifier, and record changer with room left over for storing more than 200 LP recordings, or accessories. Cabinet is sturdily supported by solid, extruded columns of brushed aluminum that are $\frac{3}{16}$ " thick. Handy drop-front door is held snugly shut by magnetic "latches." $\frac{3}{8}$ " wood paneling boasts a veneer in popular oiled walnut.

Compact sizes (HWD): upper left, $10 \times 16\frac{1}{2} \times 14\frac{3}{4}$ " (center shelf is vertically adjustable); upper right, $10 \times 17\frac{1}{2} \times 14\frac{3}{4}$ ". Bottom shelf is $34\frac{1}{2} \times 12\frac{1}{2}$ " deep; vertical clearance is $13\frac{1}{2}$ ". Overall size, $30\frac{1}{2} \times 36 \times 16\frac{3}{8}$ ". Shipped knocked down—bottom panels and legs bolt together in just minutes. Made in U.S. Shpg. w., 60 lbs.

95 DZ 525-J. \$5 Monthly **ONLY 69.95**



KNIGHT

TAPE RECORDERS



KN
4035



Take It With You Anywhere—
Compact Luggage-Type
Portable Carrying Case

Our Lowest-Cost 2-Speed Portable Tape Recorder



MAKE OFF-THE-AIR TAPES

Has patch cord for taping direct from radio or TV. Record history-making programs . . . build up a library of musical selections recorded from FM stations. You'll marvel at the fine tone quality!



SPEECH AND MUSIC TRAINING

The wide response of the KN-4035 beautifully "mirrors" the voice as well as music. Soon pays for itself in everyday usefulness!

Only
\$69⁹⁵

new low price

- 50-10,000 Cps Response For Fine-Quality Sound
- Built-In 6-Watt Amplifier and 5" Speaker
- Interlock Prevents Accidental Tape Erasure
- Accurate Neon-Light Recording Level Indicator
- Single Control for "Play-Idle-Record" Functions

The unbelievably low-priced KN-4035 gives you top-flight circuitry, plus all the controls and important "extras" you need for astonishingly lifelike 2-track monophonic recordings. No other unit at this price can approach the quality that is built into this great recorder bargain! And it's really easy to operate this little beauty—its controls are designed and arranged to make it the height of simplicity and a genuine pleasure to use. Weighing just 19 lbs., you easily carry this beautiful Horizon Blue and gray portable everywhere you go.

Some outstanding features are: two fingertip-selected speeds of 7½ and 3¼ ips; a husky 6-watt audio amplifier coupled to a top-quality 5" speaker for pleasing, natural sound; provision for recording from microphone, radio, TV or phonograph; plus an output jack for playback through a larger, external speaker. Has fast-forward and rewind controls with a handy lock-in position on rewind—uniform braking on both reels prevents tape stretch or breakage. Accepts reels to 7" in diameter, and has a tape guide post to assure always-correct alignment of tape.

Deck plate has a tape footage guide. *Frequency Response*: 50 to 10,000 cps at 7½ ips. *Wow and Flutter*: less than 0.3% at 7½ ips. *Signal-to-Noise Ratio*: 40 db. Supplied complete with wide-range Knight crystal microphone, 7" take-up reel, and a patch cord. Only 8x11 ½x15" deep. Made in U. S. For 110-120 volts, 60 cycle AC. Shpg. wt., 24 lbs.

95 DU 600-J. \$5 Monthly

ONLY 69.95

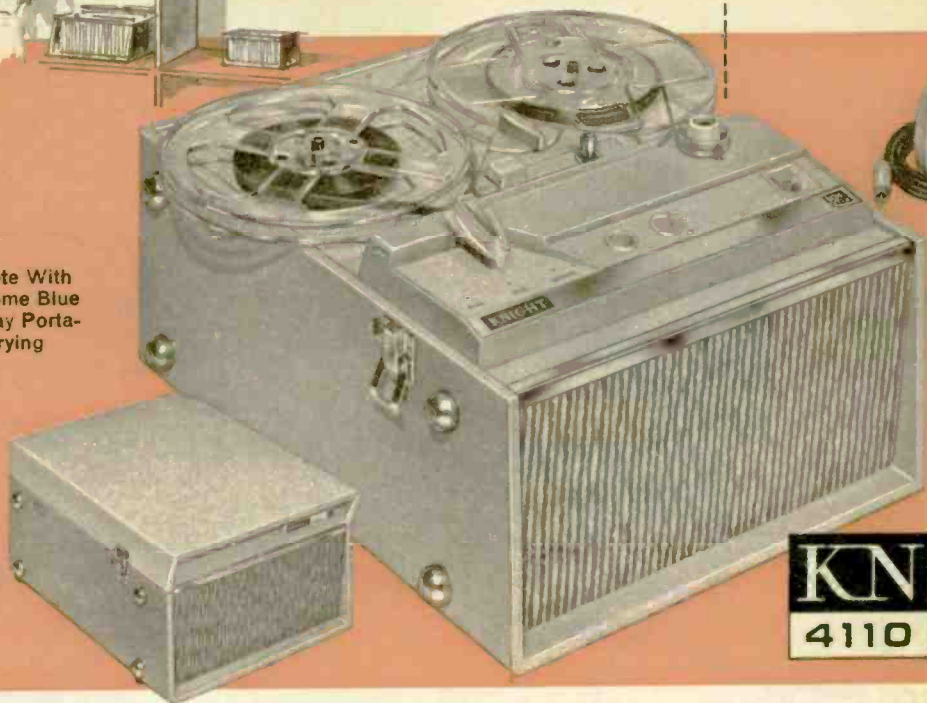


KNIGHT

TAPE RECORDERS



Complete With Handsome Blue and Gray Portable Carrying Case



KN 4110

Portable Tape Recorder With Stereo Playback

Only
\$99⁹⁵
\$5 monthly

- Records and Plays Monophonically at 2 Speeds
- Plays 4-Track Stereo Tapes Through Any Second Channel—or Through Optional KN-4160
- 6-Watt Amplifier and 2-Way Speaker System
- Tone Control—Neon Recording Level Indicator

Packing a wealth of deluxe features, the big-value KN-4110 gives you 2-track, 2-speed monophonic recording and playback, plus a built-in stereo playback preamplifier. Use this economical portable as a tape deck to play high-fidelity 4-track stereo tapes through your stereo music system, or use the recorder itself as one channel of sound, and any monophonic hi-fi system, TV set or phono as the second-channel. Or, purchase the optional KN-4160 (at right) for a complete, beautifully matched stereo tape player.

The KN-4110 includes a powerful 6-watt amplifier and a built-in 2-way speaker system—boasts a 5" woofer, 4" tweeter and an electrical crossover for sound quality of remarkable fidelity. Tone control adjusts sound for crisp, clear speech or for pleasing, mellow music reproduction. One simple lever selects "Play-Idle-Record" functions. Safety interlock avoids accidental tape erasure. Has neon record-level indicator, fast-forward and lock-in rewind controls. Deck plate has counter numerals to show elapsed tape footage—aids in cuing and editing of your recordings.

Has three outputs: high-Z Channel A; high-Z Channel B; one for an external speaker system. *Response:* 50-10,000 cps at 7½ ips. *Wow and Flutter:* below 0.3% at 7½ ips. *Speeds:* 7½ and 3¾ ips. *Signal-to-Noise Ratio:* 40 db. With Knight crystal mike, 7" reel of Knight KN-12 "Special Formula" tape, 7" take-up reel, patch cord, output cable for 2nd-channel amplifier. 8x11¾x15". Made in U. S. For 110-120 v., 60 cycle AC. Shpg. wt., 26 lbs.

95 DU 601-J. \$5 Monthly..... ONLY 99.95



AMPLIFIER-SPEAKER for STEREO PLAYBACK WITH THE KN-4110

MODEL KN-4160. Acoustically and electrically matches the amplifier and speakers in the KN-4110—perfect styling match too! Provides a low-cost second-channel of sound for playback of stereo tapes. Has: volume, tone controls; 6-watt power amplifier; 5" woofer; 4" tweeter; electrical crossover. With 8' audio cable, AC power cord. Blue and gray. 5¾x11¾x6¼". Shpg. wt., 6 lbs.

95 DU 602-J..... ONLY 24.95

Enjoy More Buying Power With Your Allied Credit Fund

ALLIED 103



KNIGHT

TAPE RECORDERS



In Blue and White Vinyl-Covered Case



Includes Two Microphones

KN
4350

Low-Cost Complete Stereo Tape Recorder



Record Your Own Wide-Range Stereo Tapes

Make "Simultrack" Sound-with-Sound Tapes



Use as P.A. Amplifier, & Record at the Same Time

Built-In Stereo Playback



Only
\$169⁹⁵

\$9 monthly

- Records and Plays 4-Track Stereo and Monophonic
- Wide-Range Speakers Built Into Each End of Case Provide Excellent Stereo Reproduction
- Convenient Professional-Type Upright Operation

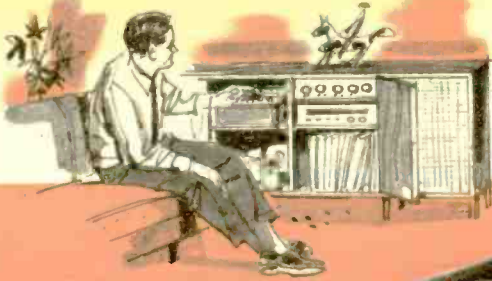
Priced far below comparable units, the bargain-priced KN-4350 makes 4-track stereo and monophonic recordings, and plays back 2 and 4-track stereo and monophonic tapes through its own built-in stereo amplifier and speakers. Also makes "simultrack" recordings—a tremendous feature that allows you to accompany yourself in a duet, add your voice to pre-recorded music, or study language by permitting you to follow an expert's pronunciation—then listen to his and your voice together for comparison purposes. Recorder operates in either a professional upright position, or lying horizontally on its back.

With the KN-4350 you have the deluxe convenience of fast-forward and fast-rewind facilities. A handy selector switch lets you check recording level of either channel by using a single neon indicator—lets you make perfect tapes every time. When switch is set at "P.A." position, one channel of the recorder serves as a public address amplifier, and the other channel monophonically records the program being amplified. Easy to set up, everything fits inside the handsome, vinyl-covered blue and white case.

The KN-4350 has phone-jack mike inputs, separate high-level inputs and outputs, plus external-speaker outputs. *Response:* 50-12,000 cps. *Wow and Flutter:* below 0.3%. Includes 2 crystal mikes; 2 patch cords for taping directly from radio-TV etc., 600-ft. reel of Knight KN-15 tape; take-up reel. 1 1/4 x 17 1/2 x 8 1/16". Made in U. S. For 110-120 v., 60 cycle AC. Shpg. wt., 30 lbs.

95 DU 603-J. \$9 Monthly..... ONLY 169.95

Allied Guarantees Satisfaction or Your Money Back

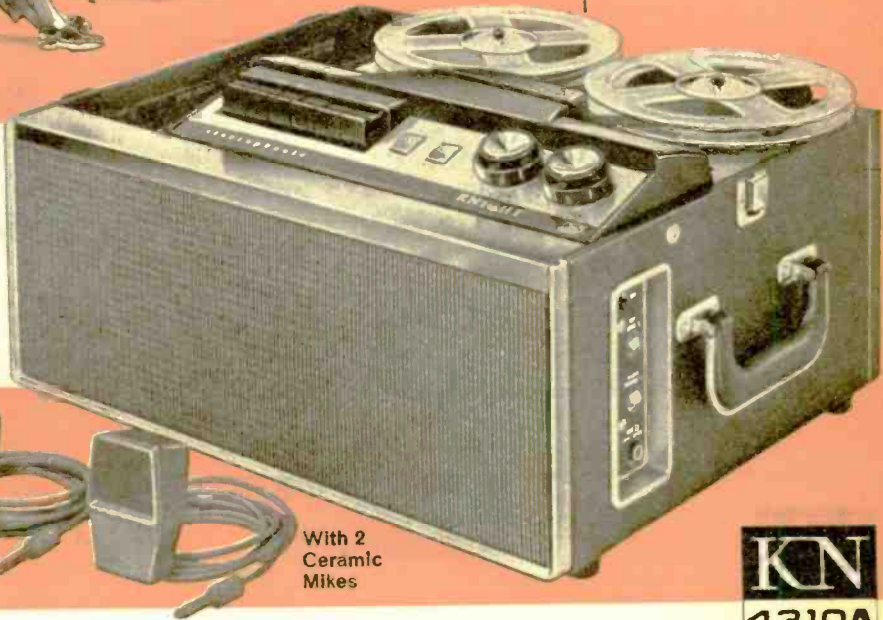


KNIGHT

TAPE RECORDERS



Smartly Styled Black and Aluminum Case



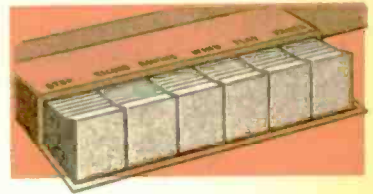
With 2 Ceramic Mikes

KN
4310A

Our Finest Stereo Tape Recorder

Only
\$249⁹⁵
\$13 monthly

- Records and Plays Both 2 and 4-Track Stereo
- Two Built-In 8-Watt Push-Pull Hi-Fi Amplifiers
- Plays at All 3 Speeds—Has Automatic Shutoff
- Two Built-In 6" High-Fidelity Speakers



Six Pushbuttons Give You Instant Command of Stop, Record, Rewind, Wind, Play, and Pause Functions

Produce your own professional stereo tapes with our precision KN-4310A. The finest portable recorder ever offered at this price, it's light enough to take anywhere to make "on location" tapes with clarity, dynamic range and astonishing stereo realism. And the beautiful case houses a powerful 16-watt push-pull stereo amplifier and twin wide-range 6" speakers for superb stereo or monophonic playback! Wonderfully versatile, the KN-4310A may also be used as a deluxe tape deck in any stereo music system. Provides 2 and 4-track stereo recording and playback, plus 2-track monophonic recording and playback at 3 speeds—1½, 3¾ and 7½ ips.

Simplified push-button controls and professional-type VU meters assure "first try" recordings of magnificent quality. Fingertip speed selector automatically provides proper equalization for balanced sound. Also has: digital tape counter for fast editing and cuing; solenoid-operated automatic shutoff to stop tape at end of reel; jacks for external speakers; plus high-level inputs and outputs for use with an external amplifier.

Response (record-play cycle): ±3 db, 50-15,000 cps at 7½ ips; ±3 db, 50-10,000 cps at 3¾ ips. *Wow and Flutter:* less than 0.3% at 7½ ips. *Signal-to-noise ratio:* 45 db. *Distortion:* below 1% at normal output level. With 2 full-range mikes; 2 patch cords for taping directly from TV, radios, etc.; 1200-ft. of KN-15 tape; take-up reel. 9¾x18x14½" Made in U.S. For 110-125 v., 60 cycle AC. Carrying wt., 30 lbs. Shpg. wt., 37 lbs.

95 DU 604-J. \$13 Monthly..... ONLY 249.95



VU Meters for Each Channel

Records FM Multiplex Stereo

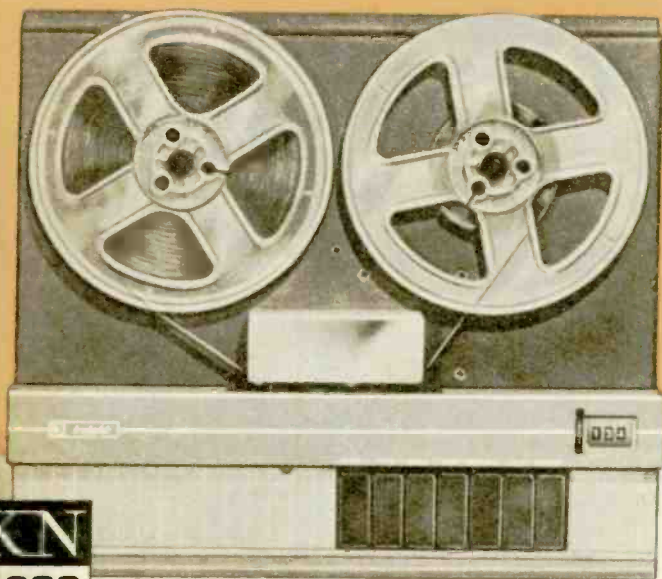
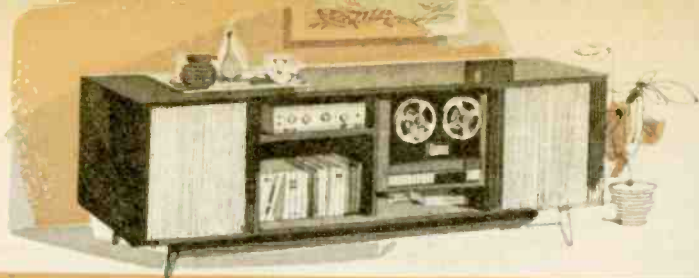


Knight Recorders Give You More -- Cost Less



KNIGHT

DELUXE TAPE EQUIPMENT



KN
4000

Deluxe Record/Play Tape Transport

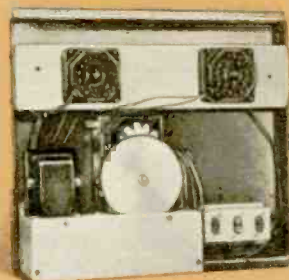
Only
\$129⁹⁵
\$7 monthly

- Permits Echo Effects, Sound-on-Sound, Add-a-Track, Musical Accompaniment, and More
- Dual-Speed Operation—3¼ and 7½ ips
- 30-16,000 Cps Response at 7½ ips
- Positive DC Dynamic Braking—No Tape Damage

For genuine high-fidelity performance . . . for a wealth of professional features . . . for deluxe-quality construction to reliably serve you for many years . . . choose the KN-4000. There is no finer tape transport at anywhere near this price! Permits dazzling reproduction of pre-recorded stereo hi-fi tapes. When used with the KN-4002 preamp on the facing page, you can play as well as record any type of 4-track stereo or monophonic tape, and thrill to all sorts of special effects that you create yourself—"echos," self-accompaniment during musical selections with the multiple sound-on-sound recording technique, and much more.

Three heavy-duty 4-pole motors—two direct-drive spooling motors and a capstan motor—precisely control your tapes. Another deluxe feature, DC dynamic braking, permits instant tape stoppage without spillage—even thin-base tapes are completely protected against stretch and breakage. Also featured, professional-type heads for the best possible sound quality. The 3-head arrangement allows monitoring from playback head while recording. Also: accurate digital tape-footage counter, and automatic shut-off when tape runs out.

Seven handy pushbuttons control all functions: Speed Selector (3¼ and 7½ ips); Off-On; Run; Fast Forward; Reverse; Standby. Standby control disengages idler from capstan while capstan is left running. Response: ±3 db, 30-16,000 cps at 7½ ips. Flutter and Wow: 0.25% at 7½ ips. Signal-to-Noise Ratio: 55 db. In Desert Beige and Sand Gold. 13½x15¼x7". Made in U.S. For 110-120 v., 60 cycle AC. Shpg. wt., 23 lbs.
95 DU 650-J. \$7 Monthly. ONLY 129.95



CUSTOM CONSTRUCTION

All parts are readily accessible. There are no belts, pulleys or levers. Entire unit is engineered for simplest installation, operation and maintenance.

3 PRECISION MOTORS



3 SEPARATE HEADS



7 PUSHBUTTON CONTROLS



CARRYING CASE FOR KN-4000 and KN-4002

Holds Transport and Preamp, Mike, Cable, Etc.

Make tape recordings away from home—carry your Knight Tape Transport and Preamp/ifier, plus mikes, mike cables, tape, and other accessories in this roomy portable case. Has impressive-looking cream and beige styling to match transport and preamp. Outer covering is scuff-proof. Has positive snap-locks. 20x16¼x11½". Shpg. wt., 15 lbs.
95 DU 575-J. \$5 Monthly. ONLY 24.95



KNIGHT

DELUXE TAPE EQUIPMENT

FOR CUSTOM TAPING AND UNMATCHED STEREO HI-FI SOUND . . .

. . . make our Knight KN-4000 Tape Transport and KN-4002 Tape Preamp units part of your stereo music system. They're made for each other!



NEW! Professional Stereo Tape Record/Play Preamp

Only
\$99⁹⁵

\$5 monthly

- Custom Engineered to Match the KN-4000 Transport
- Lets You Make Flawless Stereo or Monophonic Tapes
- Separate Dual-Channel Record and Playback Preamps
- Equipped for All Types of Professional Effects
- Tape-Source Switch—DC Filaments on Input Stages

Newly designed to perfectly match the KN-4000 Transport electrically as well as style-wise, this great preamplifier gives you all the controls and features required for stereo or monophonic tape recordings of superlative fidelity . . . plus countless studio-quality special audio effects. Use it with the 3-head KN-4000 for multiple sound-on-sound recordings, professional "echo chamber" effects, etc. Built for outstanding flexibility in recording and playback, it features concentric controls for adjusting both record and playback levels on each channel individually or simultaneously, and separate equalization for 7½ and 3¾ ips. Also—red-light safety indicator to show when unit is on record function; DC-operated tube filaments on input stages for extremely low hum.

A handy panel switch permits instant comparison of source and tape audio-quality. Individual adjustment for recording bias is provided on each channel. Bias frequency is pre-set to 65 kc. Has green pilot light. Panel is in Desert Beige and Sand Gold with control markings in white and black. With six audio cables. 4½x15½x8¼" deep. Less case, below. Made in U.S. For 110-125 v., 60 cycle AC. Shpg. wt., 15 lbs.
95 DU 651-J. \$5 Monthly. ONLY 99.95

95 DX 652-J. Metal Case for Above. Cordovan Gray. 5 lbs. ONLY 5.95

KN-4002 SPECIFICATIONS

- Response (Record-Play Cycle): ±3 db, 30-16,000 cps at 7½ ips; ±3 db, 30-12,000 cps at 3¾ ips.
- Hum and Noise: -50 db, minimum, on playback.
- Input Impedance: Mike, 3.3 megohms; Aux, 100,000 ohms.
- Record Sensitivity: Mike, 2 mv for MAX level at 1 kc; Aux, 200 mv.
- Output Impedance: Approximately 10,000 ohms.

TWIN INDICATORS show the recording-level on each channel—indicate when you are "peaking" at correct level for perfect tapes. Red "Record" safety-beacon shows when preamp is in recording function.

DUAL, CONCENTRIC-TYPE playback-level and record-level controls on each channel give you complete operating flexibility—let you adjust levels independently or simultaneously.

MULTIPLE RECORDINGS and other special effects are easy with the KN-4002 and KN-4000 transport.

ECHO EFFECTS enhance your tapes . . . and it's so easy—no special equipment needed.

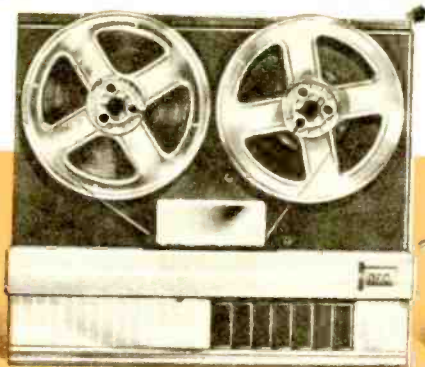
Lowest Prices—Highest Quality—Best Service



KNIGHT

TAPE SYSTEMS

Use Knight Taping Equipment



Roomy, Portable Carrying Case



SYSTEM WITH KN-4002
Only
\$299⁹⁵
\$15 monthly

Complete Recording Systems! Top Savings . . . Up to \$25.42



SYSTEM WITH KP-70
Only
\$289⁹⁵
\$15 monthly

Save \$19.97 on the cost of components purchased separately. Everything you need to make superior 4-track stereo recordings. Plays back through your stereo music system. Affords a full range of special effects—sound-on-sound, echo effect, add-a-track.

System includes: Knight KN-4000 Tape Transport, Knight KN-4002 Stereo Record/Play Preamp (less case), "Brush" Model BA-206B Stereo Headset, 2 Knight Model KN-4500 Microphones, 3—1200-ft. reels of Knight KN-15 Recording Tape and Tape Accessory Kit (tape splicer, cleaning cloth, 12 tape clips, 30 adhesive labels, tape head cleaner, book on tape editing, 100" roll of splicing tape and tape threader).

The KN-4000 operates at 3 3/4 and 7 1/2 ips. It has three separate heads and three heavy-duty, 4-pole motors. The KN-4002 has dual, concentric-type playback-level and record-level controls on each channel. (See individual listings elsewhere in the catalog for full descriptions of each system component.) Shpg. wt., 48 lbs.
22 HF 114-J. ONLY 299.95

95 DX 652-J. Metal Case for KN-4002. 5 lbs. NET 5.95

95 DU 575-J. Carrying Case for KN-4000 and KN-4002. (See preceding page.) 20x16 1/2 x 11 1/2". 15 lbs. NET 24.95

Save \$19.97 on the cost of components purchased separately. Use this outstanding 4-track tape system to make both stereo and monophonic recordings; play them back through your stereo music system. Full provision for special audio effects. Desert Beige and Sand Gold styling.

System includes: Knight KN-4000 Tape Transport, Knight-Kit KP-70 Stereo Record/Play Preamp in Kit Form (Less case), "Brush" Model BA-206B Stereo Headset, 2 Knight KN-4500 Microphones, 3—1200-ft. reels of Knight KN-15 Recording Tape and Tape Accessory Kit, listed in system at left.

The KN-4000 operates at 3 3/4 and 7 1/2 ips. It has 3 heads and 3 heavy-duty, 4-pole motors, and incorporates positive DC dynamic braking. The KP-70 has calibrated twin VU meters. (See individual listings elsewhere in the catalog for full descriptions of each system component—KP-70 is listed in Knight-Kit section.) 49 lbs.
22 HF 115-J. ONLY 289.95

22 HF 116-J. Complete System as Above, but with Factory-Assembled Preamp. Save \$25.42 ONLY 334.50

83 YX 936-J. Metal Case for KP-70. 5 lbs. NET 4.95

95 DU 575-J. Carrying Case for KN-4000 and KP-70 (See preceding page.) 20x16 1/2 x 11 1/2". 15 lbs. NET 24.95

for Outstanding Performance



KNIGHT

DELUXE TAPE
EQUIPMENT



Optional: Scuff-proof
Carrying Case for
KN-4400 Deck

KN
4400

Only
\$179⁹⁵
\$9 monthly

Professional-Quality Stereo Tape Deck

- Built-In Record/Play Preamplifiers
- Precision Digital Tape Counter
- 50-15,000 Cps Response at 7½ ips
- Extremely Compact—Only 13x13x6¼"

Add this magnificent new 2-speed tape deck to your stereo music system—it's priced far below units of comparable quality. Compact and precision-built, it provides you with complete 4-track stereo and monophonic tape facilities. Includes deluxe laminated 4-track record/play head and a double-gap erase head. Built-in stereo record/play preamplifier includes dual VU meters for precise recording level adjustment. Deck is attractively styled in matte beige.

Single sliding lever selects Rewind, Stop, Record/Play, or Fast Forward. Change from 7½ to 3¼ ips at the touch of a button. Digital tape counter for accurate cuing and editing. Controls include Record-Play-Off, Volume 1 and Volume 2 (record and play), Stereo-Mono, Mike-Tape Head. Inputs are mike/tape head 1 and 2, and high-level 1 and 2 (on rear of deck).

Specifications. Speed: 7½ and 3¼ ips. Frequency Response: ±3 db, 50-15,000 cps at 7½ ips; ±3.5 db, 50-10,000 cps at 3¼ ips. Signal-to-Noise Ratio: better than 40 db. Flutter and Wow: less than 0.2% rms. Hum and Noise: 50 db below peak recording level. Bias Oscillator Freq.: 80 kc. Max. Reel Size: 7".

Deck is perfect for custom installations; can be mounted vertically or horizontally. Size, 13x13x6¼". Requires a 12½" square cutout. For operation from 110-120 v., 60-cycle AC. Made in U.S. Shpg. wt., 28 lbs.

95 DU 677-J. **ONLY 179.95**

95 DU 579-J. Carrying Case for KN-4400. Cream and beige. Scuff-proof outer covering. Size 16x14x8". Shpg. wt., 15 lbs. **NET 24.95**

PACKED WITH FEATURES



Precision VU meters allow proper setting of recording level.



Convenient slider-type function selector.



Digital counter for cuing, editing, locating selections.

Unconditional One-Year Guarantee on All Knight Components

ALLIED 109



KNIGHT

RECORD-PLAYING COMPONENTS



KN 1015

Professional Turntable Package

Only **\$89.95**
 \$5 monthly

- Thrill to True Broadcast-Studio Performance
- Lifetime-Lubricated Hysteresis-Synchronous Motor
- Pickup Arm Uses Precision Gimbal Suspension
- Deluxe Magnetic Cartridge Has 15-30,000 Cps Response

A bargain package that saves you \$42.85 off our catalog prices and offers performance on a par with broadcast-studio turntables. Comprised entirely of professional-quality components, this system is capable of reproducing the full range of sound from your stereophonic records —without discernible distortion. Includes: Knight KN-1015 33 1/3-rpm Turntable with Oiled Walnut Base; Knight KN-1020 Pickup Arm; choice of Knight KN-505X, Empire 880, Pickering U38AT, or Shure M3D Cartridge.

KN-1015 33 1/3 RPM TURNTABLE ONLY

Only **\$59.95**
 \$5 monthly

- Studio-Quality Specifications
- 12" Solid Cast-Aluminum Table
- Ribbed Rubber Turntable Mat
- Efficient Belt-Drive Design

Compares with the costliest of record-playing equipment. Ultra-reliable hysteresis-synchronous motor drives turntable precisely at 33 1/3 rpm regardless of fluctuations in line-voltage. Has hermetically sealed lifetime-lubricated motor bearings. Belt drive, adjustable for optimum tension and minimum noise, and a solid, cast-aluminum lathe-turned 12" table give you reproduction free of rumble and distortion. Turntable shaft is supported by a ball-bearing system allowing almost friction-free motion. Other features include a ribbed rubber mat to protect your records, and a built-in speed-checking strobe. Noise: 57 db below average recording level. Wow & Flutter: less than 0.15%. Less base (below) and arm (right).

COMPLETE! YOU GET ALL THIS

Knight KN-1015 Turntable \$59.95
 Walnut Base 12.95
 Knight KN-1020 Arm 19.95
 Knight KN-505X Cartridge 39.95
 (or choice of 3 others)

CATALOG PRICE \$132.80
 PACKAGE PRICE 89.95

YOU SAVE \$42.85

The turntable features a hysteresis-synchronous motor that is unaffected by line-voltage variations. Deluxe arm guarantees precise, balanced tracking, and the KN-505X boasts a 15-30,000 cps response and more than 25 db of channel separation. Wood base is pre-drilled for arm. Cartridge comes pre-installed in plug-in head. With audio cables and solder-lug terminal strip. 8 1/2"x21x13". For 110-120 v., 60 cycle AC. 28 lbs.

22 HF 117-3J. \$5 Monthly ONLY 89.95



Requires 4 1/4" below base plate. 5 1/2"x17x12 1/2". For 110-120 v., 60 cycle AC. Made in U.S. Shpg. wt., 16 lbs.

95 DX 835-J. \$5 Monthly ONLY 59.95

OILED WALNUT BASE. For above. Solid 3/4" wood. 4 1/2"x21x13". Shpg. wt., 8 lbs.

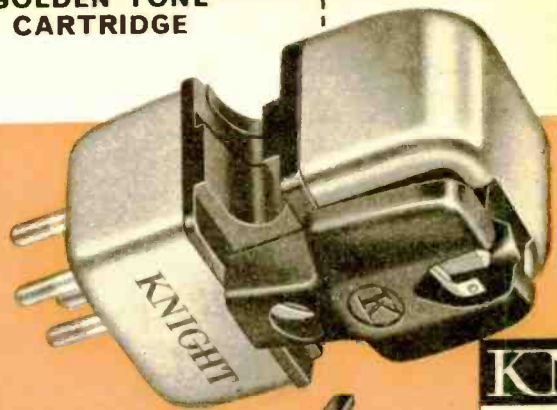
95 DX 552-J. ONLY 12.95

You Get More for Your Money at Allied



KNIGHT

**NEW!
"GOLDEN TONE"
CARTRIDGE**



**KN
505X**



**KN
1020**

Deluxe Record-Playing Components... that Cost You Less

KN-1020 DYNAMIC-BALANCE PICKUP ARM

- Only \$19.95**
\$5 monthly
- Calibrated, Sliding Pressure-Gauge
 - Tracks at Anywhere From 1-4 Grams
 - Precision Gimbal Suspension
 - Easily Adjustable Counterweight

Packed with unique design features for superior sound, yet costs about 30% less than most standard pickup arms! Use this precision unit with our Knight KN-1015 turntable at the left, or with any other high-performance turntable for professional-quality reproduction.

Dynamic balance, achieved through the use of a sliding counterweight, permits using any cartridge in the KN-1020's plug-in head. After the cartridge is installed, it takes just 10 seconds to attain perfect balance. Simply set the counterweight to the position that perfectly balances the arm in a horizontal position, then set the calibrated sliding-ring to the desired tracking pressure. The arm is so precisely balanced that it will actually track properly at a 45° angle—there's no need to level the turntable. Gimbal suspension, as used in precision navigation instruments, allows free arm-movement in all directions—without binding. Exclusive lateral compensation permits stylus to ride evenly on both sides of record grooves. Chrome plated. 11" long. With terminal strip; less audio cables. From Denmark. 2 lbs.

95 DX 851-J. \$5 Monthly ONLY 19.95
95 R 852-J. Extra Plug-In Shell. 3 oz. ONLY 2.95

REPLACEMENT STYLI FOR KNIGHT CARTRIDGES

Stock No.	Stylus Tip	Replacement For	Oz.	ONLY
95 RC 802-J	.0007"	KN-500	2	5.95
95 RC 805-J	.0005"	KN-500X	2	6.95
95 RC 808-J	.0006"	KN-505X	2	8.95

NEW KN-505X DELUXE STEREO CARTRIDGE

- Only \$39.95**
\$5 monthly
- Finest Stereo Cartridge Anywhere
 - 15-30,000 Cps Frequency Response
 - Over 25 Db of Channel Separation
 - 0.6 Mil Polished Diamond Stylus

TRADE-IN DEAL—SAVE 50%
 Get a KN-505X at 50% savings—by trading in ANY type of old cartridge. Order at our trade-in price—we'll ship your KN-505X and explain how to send your trade-in.

The finest stereo cartridge yet developed. Patterned after our nationally acclaimed KN-500X, the "Golden Tone" KN-505X incorporates improvements that give it specifications exceeding the demands of any music lover.

Remarkably low tracking pressure and a new, .0006" diamond stylus guarantee greatly prolonged record-life, as well as absolute minimum high-frequency distortion.

In jewelry-type case. With easy mounting instructions. For 1/2" or 7/16" mtg. centers. 4 terminals. Shpg. wt., 3 oz.
95 RC 806-J. \$5 Monthly ONLY 39.95
95 RC 806-J. With Trade-In. ONLY 19.97

KN-505X SPECIFICATIONS

- Output: 7.5 millivolts per channel.
- Compliance (Vert. and Hor.): 15x10⁻⁶ cm/dyne.
- Response: 15 to 30,000 cps.
- Channel Separation: Exceeds 25 db.
- Tracking Force: 3/4 to 5 grams.
- Load Impedance: 47,000 ohms.

Knight Products Are Guaranteed for One Full Year



**PROFESSIONAL
RECORDING TAPE**

Controlled quality. Made in the most modern U.S. factories; rigidly controlled in each phase of manufacture.

Guaranteed splice-free. Knight tapes are not patchwork pieces—every reel is one continuous length.

Double inspected . . . to meet Allied's high standards—assures absolute uniformity.

Finest materials. Tape coating is a special oxide that won't rub off on tape heads.

Highest-Quality Recording Tape



AS LOW AS
\$1.61
5-Lot Price



AS LOW AS
\$4.95
5-Lot Price



10 Reels for \$6.48

Only
72c
Per Reel

KN-50 DELUXE PLUS-PLAY 1-MIL "MYLAR TAPE"

First choice of the professionals for full-range response and extra playing time. Outperforms tapes costing twice as much, and runs 50% longer than standard tape. Tough "Mylar" base is moisture and heat-resistant. Deep-lubrication protects heads; treated surface gives top sensitivity. Tensile strength meets government specs. Cellophane-sealed hinged box. Made in U.S.

Stock No.	Footage	Reel Size	Lbs.	1-4, EACH	5-Up, EACH
95 R 754-J	900'	5"	3/4	1.75	1.61
95 R 755-J	1800'	7"	1 1/2	3.14	2.90

NEW! KN-60 1/2-MIL TENSILIZED "MYLAR"

If you require the very best sound quality, plus maximum playing time and supreme strength and durability . . . choose new KN-60. Features unique polishing process that removes any microscopic irregularities from tape for unmatched treble response and reduced head wear. Boasts a rugged "Mylar" base that is "Tensitized" for even greater strength—highly resistant to stretching, breakage, moisture and humidity. In 7" 2400-ft. reels only. Cellophane sealed. Made in U.S. 1 1/2 lbs.

95 R 756-J. 5-Up, EACH 4.95 1-4, EACH 5.35

KN-10 DOUBLE-STRENGTH 1/2-MIL "MYLAR"

Enjoy double the playing time of standard 3" reels. At 3 3/4 ips you get a full half-hour of running time. Each 3" reel contains 300-ft. of 1/2-mil, "stretchproof" tempered "Mylar" tape. Perfect for dictation and "living letters," each reel comes in easy-to-address self-mailing carton. Made in U.S. 8 oz.

95 R 757-J. EACH, ONLY 72c

SPECIAL 10-PACK. Save 72c. Individually boxed. 5 lbs.

95 R 757-J. 10 REELS, ONLY 6.48

MONEY-SAVING OFFERS ON KNIGHT TAPES AND CARRYING CHEST

**PACKAGE of 10
TAPES Plus CHEST**



Stock up on tape and get this 10-reel carrying case, too—order now for Big Savings.

SAVE \$2.95—10 REELS OF KN-12 AND CHEST

Ten 7" reels of Knight's Special Formula KN-12 1 1/2-mil "Mylar" tape (described on following pages) in a blue and white carrying case. Shpg. wt., 11 lbs.

95 RX 760-J. COMBINATION, ONLY 17.90

SAVE \$3.25—10 REELS OF KN-20 AND CHEST

Enjoy a real bargain on ten 7" reels of KN-20 1-mil "Mylar" tape (18,000 ft.) and a leatherette-covered case that neatly holds all 10 reels. (KN-20 described on following pages.) 11 lbs.

95 RX 761-J. \$5 Monthly COMBINATION, ONLY 22.50

SAVE \$5.00—10 REELS OF KN-50 AND CHEST

18,000 ft. of deluxe-quality 1-mil "Mylar" Plus-Play KN-50 in a durable wood carrying case. KN-50 is a top value at its regular price—take advantage of this great bargain. 11 lbs.

95 RX 762-J. \$5 Monthly COMBINATION, ONLY 32.35

95 R 577-J. Chest Only. Holds ten 7" reels. Wood with blue and white leatherette covering. 8x8x8". 3 lbs. ONLY 5.95

OUTSTANDING TAPE VALUES.
 You may not be able to see the unexcelled quality of these recording tapes, but it's there! Manufactured to conform to rigid government specifications and double-tested, Knight tapes are universally accepted by studios, schools, and tape recording enthusiasts.

**YOUR
 QUICK
 GUIDE
 TO TAPE
 PLAYING
 TIMES**

Tape Thickness	Reel Size	Tape Footage	1/2-TRACK (2-Track Mono, 4-Track Stereo)—Total Time Both Tracks			QUARTER-TRACK 4-Track Mono—Total Time 4 Tracks		
			SPEED (INCHES PER SECOND)			SPEED (INCHES PER SECOND)		
			1 1/2"	3 1/2"	7 1/2"	1 1/2"	3 1/2"	7 1/2"
Standard 1 1/2-Mil	3"	150	1/2 hr.	15 min.	7 1/2 min.	1 hr.	1/2 hr.	15 min.
	4"	300	1 hr.	1 1/2 hr.	15 min.	2 hrs.	1 hr.	1 1/2 hr.
	7"	1200	2 hrs.	2 hrs.	1 hr.	4 hrs.	2 hrs.	2 hrs.
Long-Play 1-Mil	5"	900	3 hrs.	1 1/2 hrs.	45 min.	6 hrs.	3 hrs.	1 1/2 hrs.
	7"	1800	6 hrs.	3 hrs.	1 1/2 hrs.	12 hrs.	6 hrs.	3 hrs.
Extra-Play 1/2-Mil	3"	300	1 hr.	1/2 hr.	15 min.	2 hrs.	1 hr.	1/2 hr.
	5"	1200	4 hrs.	2 hrs.	1 hr.	8 hrs.	4 hrs.	2 hrs.
	7"	2400	8 hrs.	4 hrs.	2 hrs.	16 hrs.	8 hrs.	4 hrs.

Exclusively Available at Allied

KN-15 STANDARD 1 1/2-MIL ACETATE TAPE

The same type of magnetic tape used by most major recording labels for their pre-recorded high-fidelity tapes... and it's yours at a low, low price. A real buy, our KN-15 tape compares with any brand of 1 1/2-mil acetate-base tape, regardless of how much more it may cost. Quality protected, this tape gives outstanding results in professional as well as all home recording applications. Employs purest red oxide surface, precision applied and deep-lubricated, to assure excellent audio response, noiseless reproduction and absolutely uniform output level. Guaranteed splice-free for smoothest service. Sealed in cellophane in hinged box. Made in U.S.

Stock No.	Footage	Reel Size	Lbs.	1-4, EACH	5-Up, EACH
95 R 750-J	600'	5"	1/2	1.09	1.03
95 R 751-J	1200'	7"	1	1.71	1.57

KN-30 PLUS-PLAY 1-MIL ACETATE TAPE

KN-30 is one of the most popular recording tapes available today... and with good reason! It offers vastly superior quality, half-again as much running time (in fact, it's possible to pack as much as 12 hours of material on a single 7" reel), plus excellent savings. The additional length provided by Plus-Play tape lets you make uninterrupted recordings of entire concerts, conferences, broadcasts, sports events and many other events you may wish to capture forever on magnetic tape. KN-30 features a thinner base and special coating of oxide for superb audio response. Supplied in a hinged box sealed in cellophane. Made in U.S.

Stock No.	Footage	Reel Size	Lbs.	1-4, EACH	5-Up, EACH
95 R 752-J	900'	5"	3/4	1.29	1.13
95 R 753-J	1800'	7"	1 1/4	2.32	2.12



AS LOW AS
\$1.03
 5-Lot Price

Standard of the Industry... same as used by major recording companies.



AS LOW AS
\$1.13
 5-Lot Price

Low-cost Plus-Play tape... same high standards as other Knight tapes.

KNIGHT ACCESSORY PACKAGES FOR HIGHEST-QUALITY TAPES

SAVE \$1.99—LOW-COST PACKAGE

A "must" for the serious tape fan. Items bought separately would cost \$11.94. You get: 3—7" reels of KN-12 1 1/2-mil "Mylar" tape; 150' of leader tape; tape splicer and 150' of splicing tape; 24-page booklet on "Tape Editing and Splicing"; tape threader; 2 oz. bottle of head cleaner; 30 adhesive tape-identification labels; 12 tape clips to keep reels from unwinding. 6 lbs.

95 RX 701-J..... ONLY 9.95

SAVE \$4.10—PROFESSIONAL PACKAGE

As above, but you get 5 reels of KN-12, plus head demagnetizer that maintains "like new" performance from recorder; bottle of tape and head lubricant; and tape-cleaning cloth that stops squeal and chatter. Shpg. wt., 8 lbs.

20 RX 367-2J. \$5 Monthly..... ONLY 18.95



Professional: Above, plus 2 Extra Tapes; Demagnetizer; Lubricant; Cleaning Cloth

7 Ways Easier—7 Ways Better—Allied's Credit Fund

ALLIED 113



KNIGHT

BEST VALUE RECORDING TAPE

GREATEST TAPE VALUE IN THE WORLD . . . exclusive! available at Allied. Knight's Special Formula tape is actually made to far higher standards than most costly audio tapes—your assurance of phenomenal quality at a fantastically low price. Each reel is uniformly wound and precisely slit, and guaranteed splice-free. Moisture-resistant, too . . . no curling or twisting either. Compare quality—then compare price. No matter how much you use, or what you use it for, you can't beat Knight Special Formula tape.



AS LOW AS

\$1.39

5-Lot Price



AS LOW AS

\$1.85

5-Lot Price



AS LOW AS

\$1.15

5-Lot Price



SPECIAL FORMULA Magnetic Tape

KN-12 SPECIAL FORMULA 1½-MIL "MYLAR"

Here's 1200 feet of super-quality magnetic tape at rock-bottom cost. Our strongest Special Formula tape, 1½-mil KN-12 has a tough, durable "Mylar" polyester base that withstands very severe handling. A special, patented oxide formula assures you of superior fidelity and performance. Deep-lubrication minimizes tape-head wear for even greater operating economies. Guaranteed splice-free for consistent quality throughout each reel. 7" reel. Made in U.S. Shpg. wt., 1 lb.

95 R 758-J. 5-Up, EACH 1.39 EACH, ONLY 1.49

KN-20 SPECIAL FORMULA 1-MIL "MYLAR"

You could pay triple this price and still not get tape of comparable quality. Plus-Play KN-20 gives you 50% more running time than standard 1½-mil tape, too. Use it for any application that requires top audio quality, plus extended-length recording sessions without interruptions. "Mylar" polyester base resists breakage, stretching, heat and humidity—ideal for outdoor recording. Deep-lubricated for lower head-wear. Guaranteed splice-free. 7" reel—1800-ft. Made in U.S. Shpg. wt., 1½ lbs.

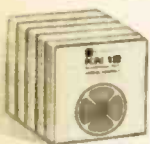
95 R 759-J. 5-Up, EACH 1.85 EACH, ONLY 1.98

KN-70 SPECIAL FORMULA 1½-MIL ACETATE

KN-70 is our lowest-priced recording tape. A fabulous buy, it's your best choice for general-purpose taping at minimum expense. Its low price slashes your recording costs to a fraction of what you'd normally expect to pay—yet you still enjoy superior response and lowest noise levels, plus deep-lubrication for longer head-life. Also has precision-applied oxide surface and uniform output level. Guaranteed splice-free. In 1200-ft., 7" plastic reel. Made in U.S. Shpg. wt., 1 lb.

95 R 766-J. 5-Up, EACH 1.15 EACH, ONLY 1.25

SAVE UP TO \$1.44 ON TAPE AND CARRYING CASE OFFERS



Handy hinge-top case in attractive brown and white.

PACKAGE
of
5 TAPES
Plus
TAPE
CHEST

SAVE \$1.29—5 REELS OF KN-12 AND CHEST

A special offer at an unbeatable price. Ten 7" reels of Special Formula 1½-mil "Mylar" tape in a handy carrying chest. Get 6000 feet of quality tape, plus the chest, for an unbelievably low price. Shpg. wt., 6½ lbs.

95 R 763-J. COMBINATION, ONLY 7.65

SAVE \$1.44—5 REELS OF KN-20 AND CHEST

Same as above, except you get 9000 feet of Plus-Play 1-mil "Mylar" KN-20, plus the chest, at an unbeatable price. 9 lbs.

95 R 764-J. COMBINATION, ONLY 9.95

SAVE \$1.29—5 REELS OF KN-70 AND CHEST

For quality taping at a sensationally low price, take advantage of this bonus buy. You get 6000 feet of superior-quality 1-mil acetate-base tape plus a carrying case—for less than what you'd pay elsewhere for the tape alone. Shpg. wt., 6½ lbs.

95 R 768-J. COMBINATION, ONLY 6.45

95 R 703-J. Carrying Case Only. 1 lb. ONLY 1.49

Distinguished Stereo Components by **SCOTT**



222-C 48-WATT STEREO AMPLIFIER

- Net \$169.95**
Less Case
- Extreme Versatility
 - Massive Transformers
 - Full Array of Controls
 - Brushed-Brass Panel

Providing unusual performance and flexibility at a modest price, delivers 24 watts per channel for a full 48 watts of stereo or monophonic sound. Employs oversize-output transformers for outstanding bass response and virtually unmeasurable distortion. Tape-monitor switch permits monitoring of recordings as they are made (when used with tape recorder with separate record and playback heads). Has extra high-level input, in addition to others, for feeding TV sound through the 222-C or for adding any other high level program source to your music system.

Other features include stereo headphone jack; separate bass and treble controls for each channel; balance control. *IHF*M Music Power Output: 48 watts (both channels). Response: flat from 20 to 30,000 cps. Hum & Noise: -80 db. Distortion: Harmonic, 0.8% at full rated power; IM, 0.3%. Controls: Input Selector (Phono or Tape Head, Tuner, Extra); Function Selector (Balance Channel A; Balance Channel B; Monophonic Records; Stereo; Stereo Reverse; Channel A Mono; Channel B Mono; 2—Bass; 2—Treble; Stereo Balance; Loudness; Off/On; Volume/Loudness; Scratch Filter; Loudness Compensation Switch. Uses 4—7189 audio output tubes; D3 on preamp filaments. 4"x15 1/2"x12 1/2". Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

72 SU 021-J. \$9 Monthly.....NET 169.95

72 SX 001. Metal Case. Simulated leather. 1 1/2 lbs.....NET 13.95

72 SX 002C. Wood Case. Specify mahog. or walnut. 5 lbs.....22.50

H. H. Scott equipment is noted for uncompromising standards of performance—the Scott name on components is synonymous with the ultimate in listening pleasure. Easily custom-mounted or may be installed in optional cases listed below units.

SAVE \$97.72

New Pickering U-38AT Cartridge

Only **\$260.95**
\$13 Monthly



Garrard "A" Changer
2—E-V

2—E-V LT-12 Speakers

STEREO PHONO SYSTEM WITH 222-C AMPLIFIER

Perfectly matched custom stereo system provides dazzling stereo, full flexibility. And you save \$97.72 over the cost of individual components purchased separately. Includes: Scott 222-C 48-Watt Stereo Amplifier; Garrard Type A 4-speed Automatic Turntable; New Pickering U-38AT Stereo Cartridge with .0007" Diamond Needle; two Electro-Voice LT-12 12" 3-Way Hi-Fi Speakers. EV speakers provide extended response to 18,000 cps. With cables, instructions. Amplifier less case. Shpg. wt., 75 lbs.

21 HF 101-J. \$14 Monthly.....ONLY 260.95

73 RX 056-C. Wood Base for Changer. Specify mahogany, limed oak or walnut finish. 4 lbs.....NET 4.49

73 RX 059. Unfinished Mounting Board for Changer. Shpg. wt., 1 1/2 lbs.....NET 1.50



Scott 350B Multiplex FM Tuner

MULTIPLEX FM-PHONO SYSTEM. Save \$141.67. Includes components above, plus Scott 350B Stereo Multiplex FM Tuner that provides outstanding reception of FM and stereo FM broadcasts. Features built-in multiplex circuit, silver-plated front end for extreme sensitivity. Has planetary tuning mechanism, illuminated dial, sonic monitor tuning indicator. Less case. 92 lbs.

21 HF 100-J. \$19 Monthly.....ONLY 436.95

NEW MODEL 340 60-WATT STEREO MULTIPLEX FM TUNER-AMPLIFIER

Featuring "Sonic-Monitor"
Audible Stereo Indicator

Net **\$379.95**
Less Case

- Unique "Sonic-Monitor"—Tune to the Tone, Indicates Stereo Multiplex FM Program Being Broadcast
- Sensitive Silver-Plated FM Front-End
- 60-Watt Stereo Amplifier Section for Power to Spare
- Separate Bass and Treble Controls for Each Channel

Offers a host of deluxe features. FM section features built-in multiplex circuit and unique, foolproof "Sonic-Monitor" that sounds an audible tone when a stereo program is being transmitted. Silver-plated front end gives 2.5 μV IHFM sensitivity; has AGC, illuminated tuning meter. 60-watt (both channels) IHFM amplifier section reproduces music with clarity. Offers full array of controls and stereo inputs. Frequency Response: ±1 db, 20-20,000 cps. Distortion: Harmonic, 0.8% at rated power; IM, 0.5%. Traditional Scott brushed-panel styling. Size, 6 1/2"x17 1/2"x16 1/2". Less case, below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 39 lbs.

72 SX 022-J. \$18 Monthly.....NET 379.95

72 SX 006. Metal Case. Simulated leather. 3 lbs.....NET 17.95

72 SX 007-C. Wood Case. Specify mahog. or walnut. 8 lbs.....29.95



SCOTT

Renowned Hi-Fi Component.



Net
\$219⁹⁵
Less Case

H. H. Scott high-fidelity component have an outstanding record of engineering leadership and reliability. The equipment listed here offers uncompromising standard of performance, and is exquisitely styled for use in home music systems.

NEW MODEL 350-B STEREO MULTIPLEX FM TUNER

SPECIFICATIONS

IHF M Sensitivity: 2.5 μ V for -30 db hum, noise and distortion. 1 μ V for 20 db of quieting using a balanced 72 ohm antenna.

Frequency Response: Virtually flat out to 75,000 cps for true wide-band reception.

FM Detector Bandwidth: 2 mc.

Main FM Carrier Circuit: 150 kc IF bandpass.

Vernier Tuning: Illuminated dial.

Newly improved version of the popular Model 350, the moderately-priced 350-B offers a multitude of outstanding features. Has built-in multiplex circuit for flawless stereo FM reception, receives monophonic FM programs, too.

Incorporates Scott's exclusive "Sonic Monitor" that helps you quickly locate stations that are broadcasting stereo programs. You merely "tune to the tone."

The wideband design of the 350-B gives unparalleled frequency response and dynamic range with amazingly low distortion and noise, even on weak signals. New balanced detector circuit provides virtually flat response. Absolutely drift-free, requires no AFC. Silver-plated "front-end" provides excellent sensitivity. Subcarrier

noise filter provides effective quieting without affecting frequency response or channel separation.

Signal-to-Noise Ratio: 60 db. **Controls:** Selector (Off, Mono FM, Stereo FM with Filter); Stereo Noise Filter; AGC (Mono, Multiplex); Level; Sonic Monitor; Tuning $5\frac{1}{2} \times 15\frac{1}{2} \times 13\frac{1}{2}$ ". Less case, below. For 105-125 v., 50-60 cycle AC. 13 lbs.
72 SU 025-J. \$11 Monthly... NET 219.95

MODEL 333. As above, but includes AM section also. Shpg. wt. 17 lbs.
72 SU 039-J... NET 259.95

72 SX 001. Type C Metal Case. Simulated leather. Shpg. wt., 1 $\frac{1}{2}$ lbs. **NET 13.95**

72 SX 002C. Type CW Wood Case. Specify mahogany or walnut. 5 lbs **NET 24.50**



Net
\$229⁹⁵
Less Case

H. H. SCOTT TUNER FEATURES

- Wideband FM Design
- Stereo FM Multiplex
- Planetary Tuning Mechanism, Illuminated Dial
- Tuning Indicator
- Tape Recorder Outputs
- Output Level Controls

H. H. SCOTT AMPLIFIER FEATURES

- Advanced Hi-Fi Engineering
- DC on Pre-amplifier Tubes
- Center-Channel Output
- Signal Lights to Indicate Mode of Operation
- Scratch, Rumble Filters
- Handsome, Custom Styling



Center-Channel
Output

**80
WATTS**

Clean Power
to Drive Any
Speaker



Tape Monitoring
Output

MODEL 299-C 80-WATT STEREO AMPLIFIER

A superb amplifier—designed to accommodate every existing signal source—for beautifully realistic stereophonic high-fidelity reproduction. Has separate bass and treble controls for each channel; master volume control with loudness-volume switch; phase reversal switch; and tape monitor provision. Also features: scratch and rumble filters; two low-level magnetic inputs that allow you to connect a stereo tape deck to the 299-C as well as stereo cartridges. Controls: Selector (Balance A, Balance B, Stereo, Reverse Stereo, Monophonic Records, Channel A, Channel B); Bass and Treble; Balance; Loudness; Tape Monitor switch; Rumble Filter; Loudness-Volume; Scratch Filter; Channel A and B Magnetic Inputs 1 and 2; Power Off-On; Phase Reverse; Input Selector (Eur 78, NAB Tape, Ortho RIAA, Tuner, Extra). **Response:** flat from 20 to 30,000 cps. **Output:** 40 watts per channel. **Hum:** -80 db. $4\frac{1}{2} \times 15\frac{1}{2} \times 12\frac{1}{2}$ ". Less case. For operation from 105-125 v., 50-60 cycle AC. Wt., 25 lbs.

72 SU 026-J. \$12 Monthly... NET 229.95

72 SX 001. Type C Metal Case. Simulated leather finish. 3 lbs. **NET 13.95**

72 SX 002C. Type CW Wood Case. Specify mahogany or oiled walnut. 5 lbs. **NET 24.50**

Deluxe "4000" Series

SCOTT

NEW MODEL 4100 STEREO PREAMPLIFIER

Designed for the discriminating listener, the 4100 provides the ultimate in flexibility and performance. Offers every desirable operating feature—separate bass and treble controls, dyna-rumble and rumble suppressors, input level controls. Also front-panel stereo tape inputs and outputs, separate on-off control, enter channel level control, plus exclusive Scott stereo balancing system.

Response: Flat, 20-20,000 cps. *Harmonic Distortion:* Under 0.2% at 1 kc. *Input Sensitivity:* 1.5 mv on tape head, 3.0 mv on phono. *Output:* 2.5 v. Size, 17 1/2 x 6 1/2 x 16 1/2". Less case, listed below. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

2 SU 027-J. \$17 Monthly.....NET 350.00
2 SX 006. Metal Case. Simulated leather. 1 1/2 lbs.NET 17.95
2 SX 007C. Wood Case. Specify mahog. or walnut. 5 lbs. . . 29.95

NEW MODEL 4120 STEREO BASIC AMPLIFIER

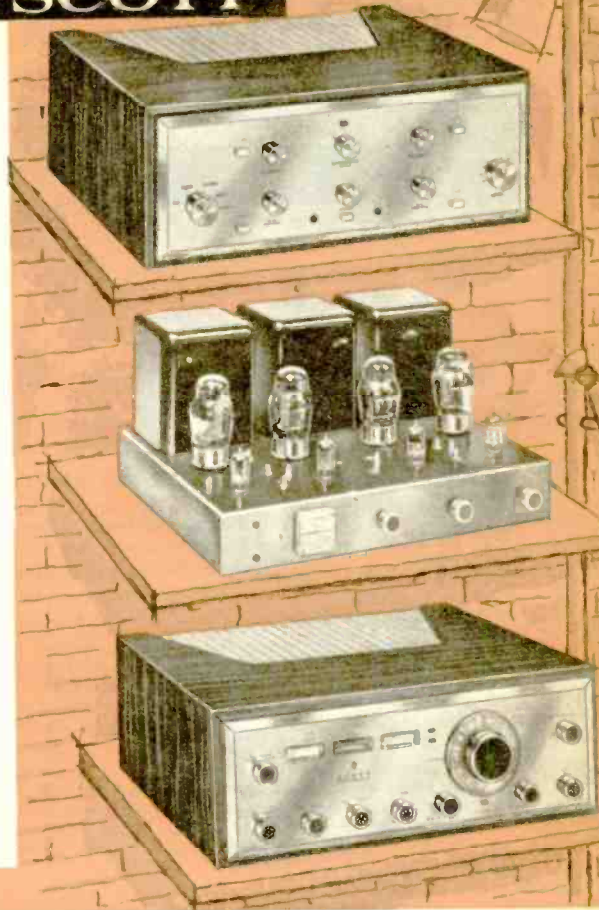
A truly deluxe component that's a perfect companion to the 4100 preamplifier, above. Provides 60 watts per channel IHFM Music Power Output for a full 120 watts of flawless sound. You also get a personal brochure that shows you the exact measured laboratory specifications of your own "4120." *Specifications:* *Response:* ±1 db, 4-65,000 cps at rated output. *Distortion:* Harmonic, under 0.2% at 1 kc; IM, below 0.5% at 60 watts. *Hum & Noise:* 90 db down. Size, 8x16x13". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 72 lbs.

72 SU 028-J. \$20 Monthly.....NET 450.00

NEW MODEL 4310 STEREO MULTIPLEX FM TUNER

Every conceivable feature including built-in multiplex circuit. Automatically selects stereo or monophonic reception. Has interstation noise suppressor, two VU meters and level controls, master-level control, separation control. *Sensitivity:* 1.9 μV IHFM. *Response:* ±1 db, 30-15,000 cps. *Selectivity:* better than 50 db. *Image Rejection:* 85 db. 5 1/2 x 15 1/2 x 13 1/2". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

72 SU 031-J. \$20 Monthly.....NET 475.00
72 SX 006. Metal Case. Simulated leather. 1 1/2 lbs.NET 17.95
72 SX 007C. Wood Case. Specify mahog. or walnut. 5 lbs. . . 29.95



NEW MODEL 370 STEREO MULTIPLEX FM TUNER

All new, moderately-priced wideband stereo multiplex FM tuner that outperforms many units selling for much more. Gives outstanding reception of both FM and stereo multiplex FM broadcasts—reproduces the realism of stereophonic sound with professional quality in your home. Lets you enjoy the world's finest music in its fullest dimensions—includes many features that enable it to meet the many demands imposed on music systems by stereo multiplex FM.

Silver-plated "front-end" provides excellent sensitivity. Planetary dial mechanism and accurate tuning indicator combined with no-drift circuitry assure effortless "stay put" tuning. Also has illuminated lucite dial, smooth vernier tuning. Scott's exclusive "Sonic Monitor" quickly finds stations broadcasting a multiplex signal. Just flip a switch; tone sounds when station is transmit-

ting stereo. Separate level controls permit perfect matching of both channels when receiving stereo broadcasts.

Useable Sensitivity: 3.5 μV IHFM. *Frequency Response:* ±1 db, 50 to 15,000 cps. *Signal-to-Noise Ratio:* 60 db below 100% modulation. *Total Harmonic Distortion:* 0.7%. *Capture Ratio:* 7db. *Hum and Noise:* 70 db down. *Outputs:* Channels A and B to tape recorder, Channels A and B to amplifier. Traditional Scott brushed-brass panel styling. 4 3/4 x 15 1/2 x 12 1/2". Less case, below. For 105-120 v., 50-60 cycle AC. Wt., 25 lbs.

72 SU 038-J. \$9 Monthly.....NET 169.95

72 SX 001. Metal Case. Simulated leather. 3 lbs.NET 13.95

72 SX 002C. Wood Case. Specify mahog. or walnut. 5 lbs. . . 24.50

OUTSTANDING FEATURES—

- Receives Stereo and Mono FM
- "Sonic Monitor" Stereo Indicator
- Offers 3.5 μV Useable IHFM Sensitivity
- Stereo Recorder and Amplifier Outputs
- Output Level Controls for Each Channel
- Vernier Tuning; Illuminated Dial
- Accurate Illuminated Tuning Meter
- No-Drift Circuitry—Requires No AFC
- Beautiful Brushed-Brass Front Panel
- Optional Metal or Wood Cases

Satisfaction Guaranteed or Your Money Back



SIMPLIFIED KIT BUILDING

Carefully engineered H. H. Scott kits incorporate handy techniques to add to the ease of building: "Kit-Pak" Contains opens to become a work area . . . All wire are pre-cut to assure correct lead length . . . Mechanical parts are pre-riveted to the chassis . . . All parts are mounted on "Part-Charts" in order of use—simplifies construction, eliminates chance of error . . . Instruction books printed in full color for easier parts identification . . . Tuner kits use "Ez-A-Line" alignment system—no special tools needed. The hard work is done—the fun's left for you

MODEL LK-72 80-WATT STEREO AMPLIFIER KIT

Net
\$159⁹⁵
Less Case

- Superior Design—Incorporates Every Desirable Control—Every Conceivable Input Facility
- Plenty of Power for Unexcelled Purity of Sound
- Center-Channel Output with Separate Level Control
- Individual Bass and Treble Controls for Each Channel
- Styled In Contrasting Brown Leather on Gold Panel

Enjoy all the advantages of renowned Scott quality and precision design at lowest cost, by assembling this outstanding stereo amplifier kit yourself. Delivers plenty of power for reproducing deepest low tones to cleanest highs—and a full array of controls gives you complete command over audio reproduction. Furthermore, the LK-72 has inputs for accommodating any music source including tape decks. It's an unexcelled value at a truly economical price!

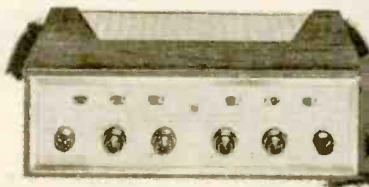
Includes: DC-operated preamplifier filaments for minimum hum; level control for optional center channel; and tape monitoring provisions. The LK-72 also features conservatively rated components—such as oversized transformers weighing 12 lbs.—for long-life and trouble-free operation. *Controls:* Input Selector; Equalization; Stereo Selector; separate Bass and Treble for each channel; Stereo Balance; Loudness; Scratch Filter; Loudness Compensation.

Power Output: 40 watts per channel, IHFM. *Frequency Response:* ±1 db, 20-20,000 cps. *IM Distortion:* 0.3%. *Harmonic Distortion:* 0.8%. *Hum and Noise:* -80 db. Size, 4¼x15¼x12¼"—just right for custom installations. Less case, listed below. For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt., 23 lbs.

72 SZ 000-J. \$8 Monthly. NET 159.95

72 SX 001. Type C Metal Case. For above. Shpg. wt., 1½ lbs. NET 13.95

72 SX 002-C. Type CW Wood Case. Specify mahogany or oiled walnut. 5 lbs. NET 24.50



MODEL LC-21 PREAMP KIT

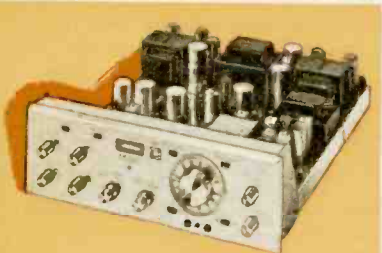
Deluxe control center with facilities for every mode of monophonic and stereo operation. Features unique shielding of power supply stage, non-magnetic electrolytic aluminum chassis and DC-heated tubes for extremely low hum and noise. *Response:* ±1 db, 8-50,000 cps. *Distortion:* 0.1% at 2.5 volts output. Matches input sensitivity of LK-150, next page. Attractive dark-brown panel, polished gold edge. 5¼x15¼x13¼". Less case. For 105-125 v., 50-60 cycle AC. Wt., 10 lbs.

72 SU 003-J. \$6 Monthly. NET 99.95

72 SX 001. Metal Case. 1½ lbs. NET 13.95

72 SX 002-C. Wood Case. Specify mahogany or oiled walnut. Wt., 5 lbs. NET 24.50

H. H. SCOTT'S OUTSTANDING "STEREOMASTER" ENSEMBLE



MODEL 355 AM-FM MULTIPLEX TUNER-PREAMPLIFIER

A unique idea—on a single "Stereomaster" chassis you get a wideband FM multiplex tuner, wide-range AM tuner, and professional-quality stereo control preamplifier—with clamp-on facilities for attaching the optional stereo basic amplifier described below! When combined with the 208 basic amplifier, the 355 becomes a complete stereo receiver. The FM multiplex section features the same outstanding circuit found in Scott's Model 350B broadcast-quality tuner. Stereo preamp section has full array of controls for adjusting sound with ease. Other features include: illuminated dial for FM and AM; stereo station tuning indicator; tape recorder outputs; output level controls; etc. Tuner response to 75,000 cps for true wideband reception. Preamp response, 20-30,000 cps. 5¼x17x13". Less case and amplifier. For 105-125 v., 50-60 AC. 19 lbs.

72 SX 005-J. \$16 Monthly. NET 334.95

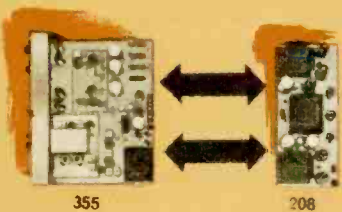
72 SX 006. Type G Metal Case. For above. Shpg. wt., 19 lbs. NET 17.95

72 SX 007-C. Type GW Wood Case. Specify mahogany or oiled walnut. 19 lbs. NET 29.95

MODEL 208 80-WATT STEREO BASIC AMPLIFIER

"Clamp-on" 80-watt basic stereo amplifier module—matched in quality and designed for use with the Scott 355 tuner-preamplifier, described above. At 40-watts per channel, this dual-channel amplifier offers plenty of reserve power to drive any stereo speaker system. Features a superb low frequency response down to 19 cps, to please the most critical music lover. *Distortion:* less than 0.5% at full power. *Hum and Noise:* -90 db. *Input Sensitivity:* 1.5 and 2.5 v. to permit use of any preamp. Size, 5x16x7". For 105-125 volts, 50-60 cycle AC. Shpg. wt., 28 lbs.

72 SU 008-J. \$7 Monthly. NET 134.95



1 Popular Easy-to-Build Kit Form

SCOTT



LK-150 AMPLIFIER KIT

Deluxe stereo basic amplifier kit for use in the finest music systems. Delivers 65-watt-per-channel IHFM power output for total of 130 watts. Features 15-lb. output transformers for virtually flawless low-frequency response; and non-magnetic electrolytic aluminum chassis for rapid heat dissipation; built-in bias meter. *Power Bandwidth:* from below 19 cps to above 25,000 cps. *Hum:* -90 db. *Harmonic Distortion:* less than 0.5%. Matches LC-21 stereo preamp kit, previous page. 7 $\frac{1}{2}$ x 15 $\frac{1}{2}$ x 11 $\frac{1}{4}$ ". Less case. For 105-125 v., 50-60 cycle AC. 52 lbs.
72 SZ 009-2J. \$9 Monthly... **NET 169.95**
72 SX 020. Case. For above. 5 lbs. ... **19.95**



LK-48

Net
\$159.95
 Less Case

LT-110

Net
\$124.95
 Less Case

MODEL LK-48 48-WATT STEREO AMPLIFIER KIT

Moderately priced stereo amplifier-control center that delivers 24 watts per channel for a total 48-watt output (IHFM). Includes facilities for every stereo or monophonic music source, as well as a complete complement of controls. Uses DC-heated preamplifier filaments for low hum and noise. *Response:* ± 1 db, 20-20,000 cps. *Harmonic Distortion:* 0.8% at full output. *Hum and Noise:* -80 db. Styled in contrasting dark brown and polished gold. 4 $\frac{3}{4}$ x 15 $\frac{1}{2}$ x 12 $\frac{1}{4}$ ". Less case. For 105-125 v., 50-60 cycle AC. Wt., 19 lbs.
72 SZ 010-J. \$6 Monthly... **NET 124.95**
72 SX 001. Type C Metal Case. Shpg. wt., 1 $\frac{1}{2}$ lbs. **NET 13.95**
72 SX 002-C. Wood Case. Specify mahogany or oiled walnut. Wt. 5 lbs. **NET 24.50**

MODEL LT-110 STEREO FM MULTIPLEX TUNER KIT

Remarkable FM tuner kit complete with built-in multiplex circuit for superb reception of stereo FM broadcasts. Employs the same outstanding silver-plated front-end and wide-band circuitry used in factory-assembled Scott tuners. Front-end and multiplex section are pre-mounted, pre-wired, and pre-aligned at factory to assure perfect results—lets you enjoy FM programming as soon as kit is completed—no further testing or alignment required. Includes illuminated tuning meter. Circuit features 3 stages of IF and 2 full limiting stages with 2-mc detector bandwidth. *Sensitivity:* 2.2 μ IHFM. Has 10 tubes and 11 diodes. Styled to match LK-48 amplifier, listed above. 4 $\frac{3}{4}$ x 15 $\frac{1}{2}$ x 12 $\frac{1}{4}$ ". Less case. For 105-125 volts. 50-60 cycle AC. Shpg. wt., 15 lbs.
72 SZ 011-J. \$8 Monthly... **NET 159.95**
72 SX 001. Type C Metal Case. Shpg. wt., 1 $\frac{1}{2}$ lbs. **NET 13.95**
72 SX 002-C. Wood Case. Specify choice of mahogany or oiled walnut finish. Shpg. wt., 5 lbs. **NET 24.50**

SELECTED H. H. SCOTT STEREO AND MONOPHONIC HI-FI COMPONENTS

MODEL 296 96-WATT STEREO AMPLIFIER. Every desirable control and input—even has front-panel headphone jack. *IHFM Power Output:* 48 watts per channel. ± 1 db, 20-20,000 cps. 5 $\frac{1}{2}$ x 17 x 15 $\frac{1}{2}$ ". Less case (Type G listed under Model 355, previous page). For 105-125 v., 50-60 cycle AC. 50 lbs.
72 SZ 013-J. \$15 Monthly... **NET 299.95**

MODEL 99D 22-WATT MONOPHONIC AMPLIFIER. Complete array of controls. 20-20,000 cps. *Harmonic Distortion:* less than 0.8%. 4 $\frac{3}{4}$ x 15 x 12". Less case (Type C listed under Model LT-110, above). For 105-125 v., 50-60 cycle AC. 20 lbs.
72 SZ 014-J. \$6 Monthly... **NET 124.95**

MODEL 314 FM TUNER. Wideband circuitry provides noise-free reception. *Sensitivity:* 2 μ IHFM. 4 $\frac{3}{4}$ x 5 $\frac{1}{2}$ x 12 $\frac{1}{4}$ ". Less case. For 105-125 v., 50-60 cycle AC. Wt., 10 lbs.
72 SU 015-J. \$10 Monthly... **NET 124.95**
72 SX 001. Type C Metal Case. Shpg. wt., 1 $\frac{1}{2}$ lbs. **NET 13.95**
72 SX 002-C. Wood Case. Specify mahog. or walnut. 5 lbs. **24.50**

MODEL 335 MULTIPLEX ADAPTER. For Scott FM tuners. 5 $\frac{1}{2}$ x 7 $\frac{1}{4}$ x 13". Less case. For 105-125 v., 50-60 cycle AC. 8 lbs.
72 SU 016-J. \$6 Monthly... **NET 109.95**
72 SX 017. Model LM-35 Kit. As above, in kit form... **NET 79.95**
72 SU 018. Metal Case. For 335 or LM-35. Wt., 2 lbs. **NET 9.95**
72 SU 019. Walnut Case. For 335 or LM-35. 4 lbs. **NET 14.95**



296

99D

314

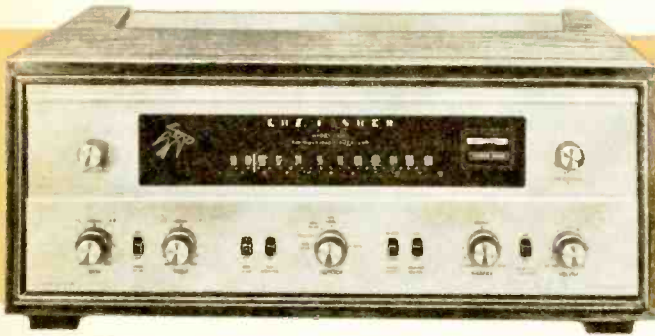
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No Money Down on Allied's Credit Fund Plan



FISHER

A Living Tradition of Excellence



500-B 65-WATT STEREO MULTIPLEX FM RECEIVER

Net
\$359⁵⁰
Less Case

- Amplifier and FM Tuner On One Chassis
- Receives Stereo Multiplex Broadcasts
- Exclusive "Stereo Beam" Indicator Light
- Controls and Inputs for Every Source
- Handsome Brushed Brass Control Panel

In a single deluxe unit, you get a highly sensitive FM tuner with latest stereo multiplex FM circuit, plus a stereo amplifier that gives you 65 watts of music power! Tuner circuit employs phase-linear, wide-band design for lowest distortion and highest stereo separation throughout the entire audio band. Has special noise filter to reduce hiss and background noise during reception of stereo multiplex FM programs, without affecting frequency response. Also has four IF stages for increased dynamic range, high selectivity and better signal-to-noise ratio. "Stereo Beam" tuning eye tells you whether the FM station you're tuned in on is broadcasting monophonically or stereophonically. *IHF*M Sensitivity; 2.2 microvolts.

Amplifier Section. *IHF*M Music Power Output: 65 watts. Response: overall, 25 to 25,000 cps; amplifier, $\pm 1\frac{1}{2}$ db, 5-45,000 cps. Hum & Noise: -85 db. Harmonic Distortion: 0.5% at rated power. Front panel has 7 controls and 6 switches; 17 inputs and output jacks on rear panel to accommodate every conceivable stereo and monophonic program source. Size, $5\frac{1}{2} \times 17\frac{1}{2} \times 13\frac{1}{4}$ ". Less case, below. For 105-120 v., 50-60 cycle AC. Wt. 31 lbs.

72 SU 052-J. \$17 monthly. NET 359.50

72 SX 055-C. Model 30-U Wood Case. For use with the Model 500-B. Specify choice of mahogany or oiled walnut veneer. Shpg. wt., 9 lbs. NET 24.95

SAVE
\$143.55
Only
\$462⁹⁵
\$20 monthly

Two H-222's



Empire 880

Garrard "A"

STEREO FM-PHONO SYSTEM FEATURING 500-B

Selected by Allied's audio staff to provide the ultimate in stereo listening, this deluxe custom component array is a rare value! You save \$143.55 over the cost of individual components purchased separately. System includes: Fisher 500-B Stereo Multiplex FM Receiver described fully at left; Garrard Type "A" Automatic Turntable; Empire 880 Stereo Cartridge with Diamond Needle; 2—Jensen H-222 12" Coaxial Speakers; plus all connecting cables for fast easy hook-up.

Type "A" Changer plays all 4 speeds, pampers your records! Empire 880 cartridge tracks flawlessly. Install the Jensen speaker in your own cabinets or "in-the-wall." Have 1 $\frac{1}{2}$ -lb. magnet for marvelous bass response. Receiver comes less case, see Model 30-U Wood Case, listed at left. Wt. 74 lbs.

21 HF 106-J. \$20 monthly. ONLY 462.95

21 HF 105-J. Above system, with Fisher 800-B 65-watt Stereo Multiplex FM-AM Receiver, described fully below, in place of 500-B. Shpg. wt., 76 lbs. Save \$157.55. ONLY 518.95

73 RX 056-C. Wood Changer Base for Type "A". Specify mahogany, limed oak, or walnut finish. Shpg. wt., 4 lbs. NET 4.49

73 RX 059. Unfinished Changer Mounting Board. For custom-installing Type "A" Changer. Shpg. wt., 1 $\frac{1}{2}$ lbs. NET 1.50

Famous Fisher 800-B 65-Watt Stereo Multiplex FM-AM Receiver



Net
\$429⁵⁰
Less Case

- Three Units On A Single Chassis
- Powerful 65-Watt Stereo Amplifier
- Receives AM, FM and FM Stereo
- Exclusive "Stereo Beam" Indicator
- Full Array of Controls and Inputs
- Handsome Brushed Brass Panel

A convincing example of precision engineering, the 800-B offers: flawless stereo multiplex reception, monophonic FM reception and AM reception; complete audio control; input facilities for every conceivable stereophonic and monophonic program input; and a husky 65 watts of power. Incorporates every desirable feature for clean FM reception, either monophonic or stereophonic—phase-linear, wide-band circuitry; three IF stages; front-panel noise filter to reduce hiss and background noise during stereo multiplex broadcasts; tuning eye to indicate "on-station" tuning during regular FM broadcasts plus "Stereo Beam" to tell you when the station of your choice is broadcasting stereophonically. Sensitive AM section of the tuner has separate tuning eye. *IHF*M Sensitivity: FM, 2.5 μ v; AM, 5 μ v for 2-watt output.

Amplifier Section. *IHF*M Music Power Output: 65 watts. Response: 1 $\frac{1}{2}$ db, 25-25,000 cps. Hum & Noise: -85 db below rated power output. Harmonic Distortion (at rated power output): 0.5%. Output Impedances: 4, 8 and 16 ohms. The 800-B has a total of 15 front panel controls and switches; 17 inputs and outputs jacks on rear panel. Size, $5\frac{1}{2} \times 17\frac{1}{2} \times 13\frac{1}{4}$ ". Less case, below. For operation from 105-120 v., 50-60 cycle AC. Shpg. wt., 33 lbs.

72 SZ 053-J. \$19 monthly. NET 429.50

72 SX 055C. Model 30-U Wood Case. For above. Specify mahogany or oiled walnut veneer. Shpg. wt., 9 lbs. NET EACH 24.95

in Superb Hi-Fi Component Design

FISHER



X-100-B 50-WATT STEREO AMPLIFIER

The new, higher-power version of the famous "X-100", now offers you 50 watts of flawless sound. Has 17 front-panel controls and switches, 14 input jacks (7 pairs) to accommodate every known signal source. Includes center-channel output; independent, concentric bass and treble controls; scratch and rumble filters. **IHFM Music Power Output:** 25 watts per channel **Response:** ± 1 db, 20-20,000 cps. **Hum & Noise:** -65 db minimum below rated output. **Output Impedances:** 4, 8 and 16 ohms. Brushed brass panel. Size, $4\frac{1}{2} \times 15\frac{1}{2} \times 12\frac{1}{2}$ ". Less case, below. For 105-120 v., 50-60 cycle AC. 25 lbs.

72 SU 058-J. \$9 Monthly NET 169.50

72 SX 072. MC-2 Metal Case. Simulated leather. 7 lbs. 15.95

72 SX 074C. 10-U Wood Case. Specify choice of mahogany or walnut finish. Shpg. wt., 6 lbs. NET 24.95

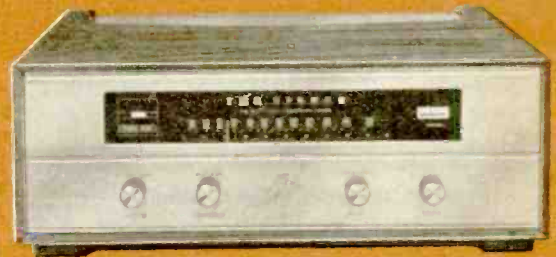
FM-50-B STEREO MULTIPLEX FM TUNER

Offering excellent sensitivity and wide-band circuit design, the FM-50-B provides outstanding reception of FM and stereo FM broadcasts. Employs triode RF stage and 4 IF stages for extremely high-sensitivity and selectivity with minimum distortion. Also has wide-band ratio detector, three fast-acting limiters, AGC and AFC, and local-distant sensitivity switch. **Useable (IHFM) Sensitivity:** 2.2 microvolts for 20 db quieting. **Outputs:** 2—Amplifier; 2—Tape Recorder. Brass-finished control panel. Size, $4\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{1}{8}$ ". Less case, below. For operation from 105-120 v., 50-60 cycle AC. Shpg. wt., 14 lbs.

72 SU 063. \$10 Monthly NET 199.50

72 SX 072. MC-2 Metal Case. Simulated leather. 7 lbs. 15.95

72 SX 074C. 10-U Wood Case. Specify choice of mahogany or walnut finish. Shpg. wt., 6 lbs. NET 24.95



Brilliant "StrataKit" Stereo High-Fidelity Kits from Fisher

- Unique, Time-Saving Approach to Kit Design
- Assembly by Easy, Error-Proof Stages
- Separate Transparent "Parts Packet" for Each Stage
- Major Components Already Mounted on Chassis
- Wires Pre-Cut to Size for Every Stage
- Performance Fulfills Fisher's High Lab Standards



KX-100 Amplifier Kit



KM-60 FM Tuner Kit

KX-100 50-WATT STEREO AMPLIFIER KIT

Combines precise design and top-quality engineering in a kit that's easy to construct. Perfectly matches the KM-60 tuner kit, below. Provides IHFM music power of 25 watts per channel. Offers 14 inputs (7 pairs) and 17 front panel controls and switches. Has rumble and scratch filters, independent concentric bass and treble controls for each channel, stereo headphone jack. **Response:** ± 1 db, 20-20,000 cps. **Hum & Noise:** -65 db minimum. **Output Impedances:** 4, 8 and 16 ohms. Brass finish panel. Size, $4\frac{1}{2} \times 15\frac{1}{2} \times 12\frac{1}{2}$ ". Less case, below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

72 SU 065-J. \$7 Monthly NET 129.50

KX-200 80-WATT STEREO AMPLIFIER KIT

Not illus. Provides IHFM music power output of 40 watts per channel for tremendous stereo reproduction; 3-channel output; full array of controls and inputs. Matches KM-60, below. Less case. For 105-120 v., 50-60 cycle AC. Wt., 26 lbs.

72 SU 066-J. \$9 Monthly NET 169.50

KM-60 STEREO MULTIPLEX FM TUNER KIT

Tuning and multiplex sections are factory-aligned. Features Golden Cascode front-end, 4 IF stages and two limiters for superb reception; unique noise filter; precision d'Arsonval tuning meter (used during assembly for non-critical alignment); output level control on each channel for balanced reception of stereo broadcasts, $4\frac{1}{2} \times 15\frac{1}{2} \times 13$ ". Less case, below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 21 lbs.

72 SU 070-J. \$9 Monthly NET 169.50

72 SU 071-J. KM-61 Tuner. Above, wired. Less case. NET 219.50

CASES FOR ABOVE "STRATAKITS"

MC-2 METAL CASE. In simulated leather. Wt., 7 lbs.

72 SX 072. NET 15.95

10-U WOOD CASE. In mahogany or walnut finish. 6 lbs.

72 SX 074C. Specify finish. \$5 Monthly NET 24.95

Satisfaction Guaranteed

ALLIED 121

FISHER

Meets Professional Standard:



MODEL X-101C 60-WATT STEREO AMPLIFIER WITH NEW HIDE-AWAY CONTROL PANEL

Net
\$199.50
Less Case

- Front-Panel Stereo Headphone Jack
- Center-Channel /Remote Speaker Output
- Seldom-Used Controls Hidden Behind Panel: You See Only Input Selector, Mode Switch, Master Volume /On-Off Switch

Highlighted by the "new look" in control panels, the X-101C offers a host of operating conveniences. Infrequently used controls are hidden behind a flip-type front panel. Pushbutton selectors choose a wide variety of inputs. Unit gives you IHFM output of 30 watts per channel for a full 60 watts of brilliant stereo reproduction. Offers center-channel speaker output, tape monitoring feature that permits user to monitor while recording without changing cable connections. Also has separate tone controls for each channel, input jacks for "Spaceexpander" reverb unit on following page. *Frequency Response: ±1 db, 20-20,000 cps. IM Distortion: 1% at 50 watts. Size 4 1/4" x 15 1/4" x 12 1/2". Less case, below. For 105-120 v., 50-60 cycle AC. 25 lbs.*

72 SU 077-J. \$10 Monthly.....NET 199.50

72 SX 072. MC-2 Metal Case. Simulated leather. 7 lbs.... 15.95

72 SX 074C. Wood Case. Specify mahog. or walnut. 6 lbs... 24.95



Infrequently Used Controls Are Hidden Behind Elegantly Styled Flip-Type Front Panel

Push-Button Input Selectors Choose Tape-Head, Phono Tuner, Aux, Tape-Play Inputs



X-1000 110-WATT STEREO AMPLIFIER

Superb high power amplifier. Offers complete facilities, 20 front-panel controls. *Output: 55 watts per channel IHFM. Response: ± 1/2 db, 20-20,000 cps. 4 1/4" x 16 1/4" x 13 1/4". Less case. For 105-120 v., 50-60 cycle AC. 50 lbs.*

72 SX 078-J. \$16 Monthly.....NET 339.50
72 SX 079. Wood Case. Walnut only. 8 lbs.....NET 24.95



FM-1000 STEREO MULTIPLEX FM TUNER

For superb monophonic or stereo FM reception. Offers: 1 μv. IHFM sensitivity; "Golden-Cascade" front end; 5 IF stages; 4 limiters; "MicroTune" automatic AFC defeat. Has interstation noise suppressor, antenna selector, range switch; signal, VU meters. Stereo Beacon lights and switches tuner to stereo when multiplex program is received. 4 1/4" x 15 1/4" x 12 1/4". Less case, below. For 105-120 v., 50-60 cycle AC. 20 lbs.

72 SU 092-J. \$15 Monthly.....NET 429.50

72 SX 093C. Wood Case. Specify mahog. or walnut. 6 lbs...24.95

FM-100B STEREO MULTIPLEX FM TUNER

For the discriminating listener. Incorporates complete multiplex circuit plus superior wide-band design. Features cascode front-end for 0.6 μv sensitivity (1.8 μv IHFM). Has 5 wide-band IF stages, 4 limiters. "Stereo-Beam" lights to indicate stations transmitting stereo programs. Local-distant switch, amplifier and recorder outputs. 4 1/4" x 15 1/4" x 13". Less case. For 105-120 v., 50-60 cycle AC. Shpg. wt., 20 lbs.

72 SU 081-J. \$13 Monthly.....NET 249.50

72 SX 072. MC-2 Metal Case. Wt., 7 lbs.....NET 15.95

72 SX 074C. Wood Case. Specify mahog. or walnut. 6 lbs...24.95

400-CX STEREO PREAMPLIFIER

Offers 28 controls and 9 pairs of stereo inputs. "Sonic-Null" stereo balance control, "Stereo-Dimension" blend control, record-monitor facilities, pushbutton selectors, indicator lights, etc. ±1 db, 10-25,000 cps. *Distortion: less than .004%. 4 1/4" x 15 1/4" x 12". Less case. For 105-120 v., 50-60 cycle AC. 20 lbs.*

72 SU 083-J. \$10 Monthly.....NET 199.50

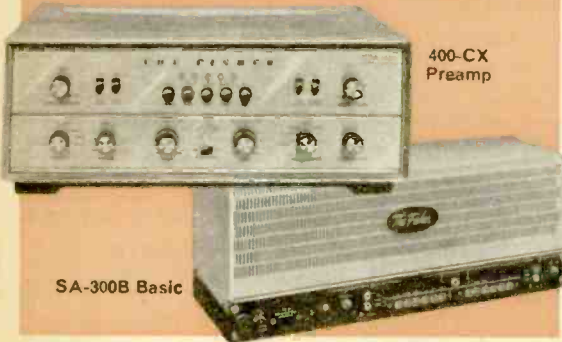
72 SX 074C. Wood Case. Specify mahog. or walnut. 8 lbs....24.95

SA-300B 90-WATT STEREO BASIC AMPLIFIER. Response: ± 1/2 db, 20-20,000 cps. 4—EL34 output tubes. With cover. 6 1/4" x 16 1/4" x 7 1/4". For 105-120 v., 50-60 cycle AC. Wt., 36 lbs.

72 SU 086-J. \$10 Monthly.....NET 199.50



400-CX
Preamp



SA-300B Basic

Let Designed for the Home

FISHER



X-202B 80-WATT STEREO AMPLIFIER

Net
\$249⁵⁰
Less Case

- Unique Tape-Monitoring Feature
- Controlled Center-Channel Output
- Separate Bass and Treble Controls for Each Channel
- Attractive Brass-Finish Panel

The X-202B stereo amplifier gives you a remarkable array of controls, together with a music power output of 40 watts per channel. Includes unique tape monitoring feature—lets you monitor while recording and vary controls during tape playback without changing cable connections. "Stereo-Dimension" control blends the two stereo channels to any desired degree. Center channel output has volume control and on-off switch. Offers 22 controls, 16 inputs, 7 outputs for associated components; and 3 speaker outputs. **IHFH Output:** 80 watts. **Response:** ±1 db, 20-20,000 cps. **Distortion:** harmonic, 0.5%; IM, 1.0%. **Hum & Noise:** -90 db. 4 1/4" x 15 1/2" x 12 1/2". Less case. For 105-120 v., 60-50 cycle AC. Shpg. wt., 27 lbs.

72 SU 089-J, \$13 Monthly NET 249.50

72 SX 072. MC-2 Metal Case. Simulated leather. 7 lbs. 15.95

72 SX 074C. Wood Case. Specify mahog. or walnut. 8 lbs. 24.95

FM-200B STEREO MULTIPLEX FM TUNER

Net
\$299⁵⁰
Less Case

- Sensitive "Golden Cascade" Front End
- Exclusive Stereo Beacon Indicator
- Exclusive "MicroTune" Feature
- Interstation Noise Suppressor
- Linear Logging Scale, Tuning Meter

Satisfies the most critical FM listener. Superb monophonic or stereo multiplex FM reception. Offers: 1-microvolt IHFM sensitivity; "Golden Cascade" front end; five IF stages; four limiter stages. Exclusive "MicroTune" feature disconnects AFC when tuning knob is touched, restores AFC when knob is released. Interstation noise suppressor "hushes" noise when tuning between stations. Antenna selector; distant-local range switch; signal meter for "right-on" tuning; plus "Stereo Beacon" that lights when station is transmitting stereo and automatically switches the tuner from monophonic to stereo operation. 4 1/4" x 15 1/2" x 12 1/2". Less case, below. For operation from 105-120 v., 50-60 cycle AC. Wt., 20 lbs.

72 SU 091-J, \$15 Monthly NET 299.50

72 SX 072. MC-2 Metal Case. Simulated leather. 7 lbs. 15.95

72 SX 074C. Wood Case. Specify mahog. or walnut. 8 lbs. 24.95



R-200 STEREO FM-AM TUNER

- Built-in Multiplex Circuitry
- 1.8 μV IHFM FM Sensitivity
- Exclusive Stereo Beacon

Sensitive cascade "front end" incorporates tuned RF stage. Wideband IF section has 5 stages, 4 limiters. "Stereo Beacon" lights an indicator when stereo is being transmitted and automatically switches the tuner from monophonic to stereo operation; interstage noise suppressor; 3 indicator lights; tuning meter; Distant/Local FM Sensitivity switch. Size, 4 1/4" x 15 1/2" x 12 1/2". Less case (listed below). For operation from 105-120 v., 50-60 cycle AC. Shpg. wt., 30 lbs.

72 SU 047-J, \$5 Monthly NET 299.50

72 SX 074C. Wood Case. Specify mahog- any or walnut. Wt., 8 lbs. NET 24.95



MPX-200

MPX-200 MULTIPLEX ADAPTER

- Place It Anywhere—Set Controls Once, Operates Automatically
- High Channel Separation, Low Distortion

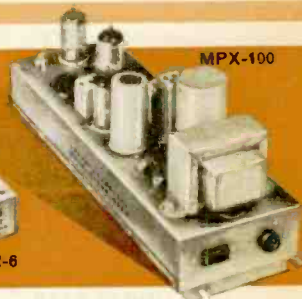
For concealed installation. For any tuner with multiplex adapter jack. Self-powered. Automatically switches to stereo when multiplex is received. 4x12x3 1/2". For 105-120 v., 50-60 cycle AC. 4 lbs.

72 SU 098-J, \$5 Monthly NET 79.50

PR-6 PREAMPLIFIER

Use with cartridge, tape head or mike—drives power amplifier. **Equalization:** phono, RIAA; tape, NARTB. **Response:** ±2 db, 20-30,000 cps. **Hum:** 60 db down. For operation from 105-120 v., 50-60 cycle AC. Shpg. wt., 1 1/2 lbs.

72 S 049-J. NET 12.95



MPX-100

MPX-100 MULTIPLEX ADAPTER

- Switches Itself to Stereo When Multiplex Broadcast is Being Received
- Convenient Stereo Dimension Control

For any tuner with multiplex adapter jack. "Stereo Beacon", stereo dimension control. 4 1/4" x 4 1/2" x 12". Less case, below. For 105-120 v., 50-60 cycle AC. 9 lbs.

72 SU 095-J, \$6 Monthly NET 119.50

72 SX 096C. Wood Case. Specify mahog- any or oiled walnut. Wt., 2 lbs. NET 14.95

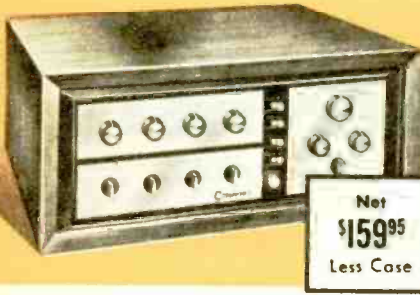
K-10 "SPACEPANDER"

Not illus. Simulates concert hall reverberation. Use with any stereo or mono music system having separate preamplifiers or tape monitoring facilities. **Delay:** 33 msec. Requires 0.2 v. input. 7 lbs.

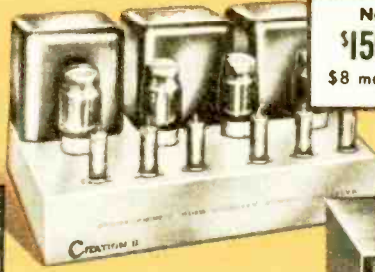
72 SX 097-J, \$5 Monthly NET 69.50

Allied Guarantees Your Complete Satisfaction

A series of superbly engineered high-fidelity components that offer you outstanding reproduction



Net \$159.95
Less Case



Net \$159.95
\$8 monthly



Net \$219.95
Less Case

CITATION I DELUXE STEREO PREAMPLIFIER KIT

Complete stereo control center for your hi-fi system. Ideal mate for the Citation II. Offers ease of assembly, separate, step-type tone controls for each channel, DC filaments, low-noise resistors, 18 stages (9 dual triodes). *Response*: +0, -0.5 db, 5-80,000 cps. *Distortion*: under 0.05% at 2 v. *Controls*: Function (Aux, Tape, Tuner, Phono 1, Phono 2, Tape Head); Mode Selector; Blend (also adjusts third channel output), Equalization (2), Tone (4), Balance, Phase, Reverse, Contour, Tape Monitor, Power. 6x14 1/4 x 12 1/4". Less case, below. For 110-120 v., 50-60 cycle AC. 31 lbs.

72 SU 100-J. \$8 Monthly. NET 159.95

72 SU 101-J. Above, wired. NET 249.95

72 SX 115. WC-1 Case. Walnut veneer. 7 1/2 x 16 1/4 x 12 1/4". 3 lbs. NET 29.95

CITATION II STEREO BASIC AMPLIFIER KIT

Delivers 60-watts per channel for 120 watts of transparently-smooth sound. Multiple feedback loops provide low distortion, high stability. Uses 4—KT88 audio output tubes. Power supply uses 4 silicon diode rectifiers, filter choke, heavy-duty electrolytics and potted power transformers. *Response*: +0, -1 db, 20-20,000 cps. *Harmonic Distortion*: less than 0.5% at full power (20-20,000 cps). *IM Distortion*: less than 0.5% at full power. *Hum and Noise*: better than 90 db below 60 watts. Bias meter. Gold and charcoal brown. 9x16 1/4 x 11 1/4". Less case, below. For 110-120 v., 50-60 cycle AC. Wt., 71 lbs.

72 SU 102-2J. \$8 Monthly. NET 159.95

72 SU 103-J. Above, wired. NET 229.95

AC II METAL CASE. For above. 2 lbs. NET 7.95

NEW CITATION III X STEREO FM TUNER KIT

Provides outstanding FM and stereo FM reception. Offers sensitive Nuvistor front end, 3 wide-band IF stages, prealigned RF and multiplex sub-assemblies. Tuning and signal strength meters. *Sensitivity*: 0.65 μv for 20 db of quieting. *Response*: ±0.5 db, 1-52,000 cps. Gold and brown. 6x14 1/4 x 12 1/4". Less case. For 110-120 v., 50-60 cycle AC. 40 lbs.

72 SU 104-J. NET 219.95

72 SU 105-J. Above, wired. NET 299.95

CITATION III FM TUNER KIT. As above, less multiplex circuit. 32 lbs.

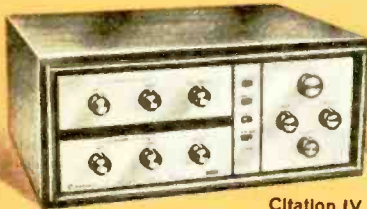
72 SU 106-J. NET 149.95

72 SU 107-J. Above, wired. NET 229.95

WC-1 WOOD CASE. For above units. Walnut veneer. 3 lbs.

72 SX 115. NET 29.95

72 SU 108-J. Citation III MA Multiplex Adapter. Plugs into Citation III, above. Wt., 8lbs. Factory Wired NET 79.95



Citation IV



Citation V

CITATION IV STEREO PREAMPLIFIER KIT

Offers many of the features of the Citation I, above. Includes separate bass and treble controls for each channel, DC on filaments, low-noise resistors. Continuously variable blend control. *Response*: +0, -0.5 db, 5-80,000 cps. *Distortion*: less than .05% at 2 v. Brown and gold. 5 1/2 x 14 1/4 x 11". Less case, below. For 110-120 v., 50-60 cycle AC. 25 lbs.

72 SU 111-J. \$6 Monthly. NET 119.95

72 SU 112-J. Above, wired. \$10 Monthly. NET 189.95

72 SX 115. Wood Case. Walnut veneer. 3 lbs. NET 29.95

CITATION V STEREO BASIC AMPLIFIER KIT

An ideal mate to the Citation IV, above, delivers 40 watts per channel for full 80 watts of superior stereo or monophonic output. 4—7581 output tubes. *Resp*: +0, -1 db, 2-80,000 cps at 1 watt. *IM distortion*: less than 0.5% at 80 watts. *Hum and noise*: better than 85 db below 40 watts. Has bias meter. Gold and charcoal brown. 5 1/2 x 13 1/4 x 11 1/4". Less case, below. For 110-120 v., 50-60 cycle AC. 40 lbs.

72 SU 113-2J. \$6 Monthly. NET 119.95

72 SU 114-J. Above, wired. \$9 Monthly. NET 179.95

72 SX 117. AC V Metal Case. For above. 2 lbs. NET 7.95



Net \$249.95
Less Case

CITATION "A" TRANSISTOR STEREO PREAMP KIT

- Uses 35 Transistors, Regulated Power Supply
- Unmeasurable Distortion, Flat Response

Meets the requirements of the most demanding audio perfectionist. Pushbutton selector switches; accommodates every conceivable source of sound. *Response*: +0, - 1/2 db, 1 cps to 1 mc. *Harmonic Distortion*: unmeasurable at 2-watts output. *Hum and Noise*: 70 db below rated output with 5 mv input. Military-type terminal board construction. Brown and gold panel; less case. 14 1/4 x 5 1/4 x 7". For 110-120 v., 50-60 cycle AC. 30 lbs.

72 SU 109-J. \$13 Monthly. NET 249.95

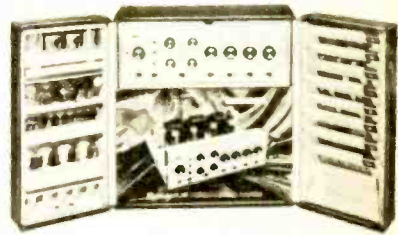
72 SU 110-J. Above, wired. \$17 Monthly. NET 349.95

72 SU 201. WCA Walnut Case. Wt., 3 lbs. NET 19.95

All-New "Award" Series Kits by

harman kardon

REMARKABLE "AWARD" KITS



- Unique Assembly with:
- Continuity Test Probe
 - "Tool-Box" Packaging
 - "Read-and-See" Instruction Book

Enjoy the gratifying experience of building a superb high-fidelity instrument with your own hands. New "Award" series kits offer advanced kit-building techniques to insure that your finished kit will be identical to a factory-assembled instrument.

Modular construction techniques simplify assembly. Battery operated continuity probe permits stage-by-stage checking as the kit is under construction.

"Tool Box" packaging with pull-out trays simplifies handling and identification of parts. Permits simple storage at any stage of construction.

"Read and See" instruction book includes easy-to-follow text as well as diagrams plus interesting basic explanations of how the instrument works.



A-30K

Net
\$79⁹⁵
Less Case

A-30K 30-WATT STEREO AMPLIFIER KIT

Low cost, excellent quality stereo amplifier in easy-to-build kit form. Provides IHFM music power output of 15 watts per channel for a full 30 watts of stereo or monophonic sound. Offers a full array of controls and inputs to accommodate every stereo or monophonic music source. Zero-to-Infinity balance control lets you adjust for optimum stereo effect. Continuously variable Blend control eliminates "hole-in-middle" effect. Ganged bass and treble controls cut or boost both channels simultaneously. Pushbutton switch lets you turn unit on and off without upsetting controls. Response: ± 1 db, 15-70,000 cps at 1 watt. Distortion: less than 1% at rated

output. *Front Panel Controls:* Function (Phono-Lo/Tape-Lo, Phono-Hi, Tuner, Aux/Tape-Hi); Loudness; Blend; Bass; Treble; Balance; Rumble Filter; Contour; Stereo Reverse; Equalization (RIAA, NARTB). *Tubes:* 4—7408; 4—12AX7; 1—12AU7; plus two silicon rectifiers. Handy AC outlet. Size: $5\frac{1}{4} \times 15\frac{1}{4} \times 11\frac{1}{2}$ ". Less case, below. For 110-120 v., 50-60 cycle AC. 25 lbs.

72 SU 118-J. \$5 Monthly. NET 79.95

72 SX 126. CX-50 Gray Metal Case. For above. Shpg. wt., 2 lbs. NET 12.95

72 SX 127. WW50 Wood Case. Walnut veneer. Shpg. wt., 3 lbs. NET 29.95

A-50K 50-WATT STEREO AMPLIFIER KIT

Professional features at moderate cost in an easy-to-build amplifier kit. Provides IHFM music power output of 25 watts per channel. Perfectly mates with the F-50XK Stereo Multiplex FM Tuner Kit, below. Features massive output transformers of special design for flawless response. Unique blend light indicates degree of channel separation—works with stereo blend trol. Jack on front panel disengages speakers when headphones are plugged in. Also has separate bass and treble controls for each channel; pushbutton on-off switch.

Response: ± 1 db, 12-35,000 cps at 1 watt. Distortion: less than 0.5% at rated output. *Controls:* Speaker Reverse; Tape Monitor; Hi-Cut; Lo-Cut; Contour; Stereo Reverse; Ambiance; 2—Bass; 2—Treble; Balance; Blend; Loudness; Function Selector. *Tubes:* 4—7355; 1—12AU7; 4—12AX7/ECC83. Size, $5\frac{1}{4} \times 15\frac{1}{4} \times 12$ " (excluding knobs). Less case, uses either CX-50 Metal Case or WW50 Wood Case, listed under F-50XX, below. For 110-120 v., 50-60 cycle AC. Wt., 32 lbs.

72 SU 120-J. \$6 Monthly. NET 119.95

F-50XK STEREO MULTIPLEX FM TUNER KIT

Sensitive, distortion-free FM tuner that's the ideal mate to the A-50K Amplifier, above. Includes built-in multiplex circuit for reception of dazzling stereo FM broadcasts. Among its many features: wide-band discriminator circuit; AFC for "lock-in" tuning—with defeat provision; and indicator lights that show mode of operation—standard FM or Multiplex. *Sensitivity:* 0.85 μ v for 20 db quieting; 3 μ v IHFM. *Frequency Response:* ± 1 db, 10-52,000 cps. Distortion: less than 0.1% at 100% modulation. *Controls:* On-Off; FM-Multiplex; Interchannel Muting; AFC; Tuning. Attractive brushed gold panel. Size, $5\frac{1}{4} \times 15\frac{1}{4} \times 12$ ". Less case, below. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 24 lbs.

72 SU 121-J. \$7 Monthly. NET 129.95

72 SX 126. CX-50 Gray Metal Case. For use with A-60K and F-50XK, above. Shpg. wt., 2 lbs. NET 12.95

72 SX 127. WW50 Wood Case. For A-60K and F-50XK, above. Walnut veneer. Shpg. wt., 2 lbs. NET 29.95



A-50K



F-50XK

Satisfaction Guaranteed—Or Your Money Back

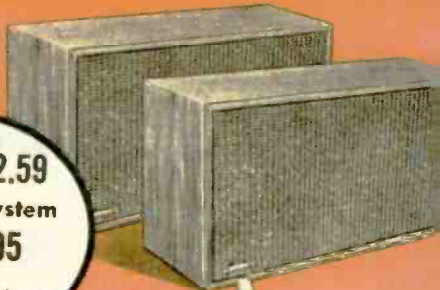
ALLIED 125



A-300 Amplifier

2—University S-80 Speaker Systems

SAVE \$92.59
Complete System
\$252⁹⁵
 \$13 monthly



Garrard Type "A" Changer with Base



Shure M3D Cartridge

MODEL A-300 30-WATT STEREO AMPLIFIER

Net \$99⁹⁵

\$5 monthly

- Thrilling Sound at a Budget Price
- Continuously Variable "Blend" Control
- Extremely Wide Frequency Response
- Beautiful Brushed Gold Panel

Strikingly attractive brushed gold styling, complete control facilities and stable performance keynote this outstanding, low cost stereo amplifier. Delivers IHFM power output of 15 watts per channel; a perfect mate for the T-300X, below. Accommodates every stereo or monophonic signal source. Offers balance and blend controls for optimum stereo; convenient illuminated push-button on/off switch; and ganged bass and treble controls.

Frequency response: ±1 db, 15-70,000 cps at 1 watt. *Distortion:* less than 1% at rated output. *Controls:* Function (Phono-Lo/Tape-Lo, Phono-Hi, Tuner, Aux/Tape Hi); Loudness; Blend; Bass; Treble; Balance; Rumble Filter; Contour; Stereo Reverse; Equalization (RIAA, NARTB). *Tubes:* 4—7408; 4—12AX7; 1—12AU7; plus 2 silicon rectifiers. Also has handy AC convenience outlet. Size, 5⁷/₁₆ x 15¹/₄ x 11¹/₂". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

72 SU 136-J. \$5 Monthly. NET 99.95

72 SX 126. CX-50 Gray Metal Case. 2 lbs. NET 12.95

72 SX 127. WW-50 Wood Case. Walnut Veneer. 3 lbs. NET 29.95

STEREO PHONO SYSTEM FEATURING A-300

Dazzling stereo, full flexibility and outstanding economy make this a winning custom component combination! System includes: Harman-Kardon A-300 30-Watt Stereo Amplifier; Garrard Type "A" 4-Speed Record Changer and Wood Base; Shure M3D Stereo Cartridge with .0007" Diamond Needle; and 2—University S-80 2-Way Speaker Systems. In addition, you receive all connecting cables.

Garrard Type "A" Changer and Shure Cartridge get the most out of your records. University Speaker Systems have 8" woofer, 3¹/₂" direct-radiator tweeter; employ ported phase-inverter principle for wide response. Base and speaker systems in mahogany or walnut finish. Less amplifier case. 75 lbs.

21 HF 102C-J. Specify Finish. \$13 Monthly. ONLY 252.95

STEREO FM-AM-PHONO SYSTEM. Save \$130.54. Same as stereo system above but with Harman-Kardon TA-3000X Stereo Multiplex Receiver described below in place of A-300 Stereo Amplifier. Less amplifier case. 92 lbs.

21 HF 103C-J. Specify Finish. \$17 Monthly. ONLY 367.95



T-300X

T-300X STEREO MULTIPLEX FM-AM TUNER

- Built-In Stereo FM Multiplex Circuit
- 0.95 μv Sensitivity on FM
- AFC "Locks-In" FM Stations
- Attractive Brushed Gold Styling

A superb choice for low-cost systems. Combines sensitive FM and AM tuners. FM section has built-in multiplex circuit that provides excellent separation, wide-band discriminator, 4 IF stages. Sensitivity 0.95 μv for 20 db quieting; 3.2 μv IHFM. Response: ±1 db., 10-35,000 cps. AM section has high selectivity and image rejection; ferrite loop antenna. Controls: Tuning; On-Off; AFC; Multiplex Off-On; Selector (AM-FM); FM Stereo Noise Filter. AC outlet. Size, 5⁷/₁₆ x 15¹/₄ x 11¹/₂". Less case, below. For 110-120 v., 50-60 cycle AC. Wt., 25 lbs.

72 SU 137-J. \$8 Monthly. NET 149.95

CX-50 GRAY METAL CASE. 2 lbs.

72 SX 126. NET 12.95

WW-50 WOOD CASE. Walnut veneer.

Shpg. wt., 3 lbs.

72 SX 127. NET 29.95

TA-3000X STEREO RECEIVER

- All-in-1 Stereo Tuner-Amplifier
- High Sensitivity—Plenty of Power
- Attractive Brushed Gold Styling

For professional performance at a moderate price, combines stereo multiplex FM and AM tuner, 30-watt stereo amplifier, and full array of controls. FM tuner section has multiplex circuit, 3 IF stages.

Sensitivity: 3.2 μv IHFM. AM section has high selectivity. Amplifier section delivers IHFM music power of 15 watts per channel. Response: ±1 db, 15-70,000 cps at normal listening levels. Controls: Function; Loudness; Blend; Balance; Bass; Treble; Stereo Reverse; Phono-Tape; Contour; Lo-Cut; Hi-Cut; On-Off. AC outlet. 5⁷/₁₆ x 15¹/₄ x 11¹/₂". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 37 lbs.

72 SU 141-J. \$13 Monthly. NET 244.95

CX-80 GRAY METAL CASE. For above.

Shpg. wt., 2 lbs.

72 SX 160. NET 12.95

WW-80 WOOD CASE. Walnut veneer.

Shpg. wt., 3 lbs.

72 SX 169. NET 29.95



TA-3000X

NEW!

'Award Series' Stereo Components



A-500



F-500X

A-500 50-WATT STEREO AMPLIFIER

- Separate Bass and Treble Controls for Each Channel
- Unique Blend Indicator Light, Stereo Headphone Jack

Loaded with features for pleasurable listening, offers a full array of controls and inputs. Blend lights indicate channel separation. Ambiance control acts as center channel gain control. *Response:* $\pm 1/2$ db, 12-35,000 cps at 1 watt. *Output:* 25 watts per channel IHFM. *Distortion:* less than 0.5% at 1 watt. Pushbutton on-off switch. $5\frac{1}{2} \times 15\frac{1}{2} \times 12"$ (excluding knobs). Less case, below. For 110-120 v., 50-60 cycle AC. 32 lbs.

72 SU 152-J. \$8 Monthly. NET 159.95

72 SX 126. CX-50 Gray Metal Case. 2 lbs. NET 42.95

72 SX 127. WW-50 Wood Case. Walnut veneer. 3 lbs. 29.95

F-500X STEREO MULTIPLEX FM TUNER

- Interchannel Muting Switch; Distant-Local Range Switch
- Illuminated Tuning Meter; On-Off Pushbutton Switch

Highly sensitive and distortion-free, offers everything the discriminating listener desires. Has built-in multiplex, twin tuning gangs, image-rejecting RF stages, wide-band discriminator. Indicator lights show mode of operation—FM or Multiplex. Brushed gold panel. *Sensitivity:* 3μ IHFM. *Response:* ± 1 db, 10-52,000 cps. *Distortion:* Less than 0.1% @ 100% modulation. *Front Panel Controls:* On-Off; FM Multiplex; Interchannel Muting Defeat; AFC Defeat; Tuning. Size, $5\frac{1}{4} \times 15\frac{1}{2} \times 12"$. Less case, with either CX-50 Metal Case or WW-50 Wood Case, at left. For 110-120 v., 50-60 cycle AC. Shpg. wt., 24 lbs.

72 SU 157-J. \$9 Monthly. NET 169.90

TA-5000X DELUXE 50-WATT STEREO MULTIPLEX RECEIVER

A complete stereophonic home music center on a single chassis, the TA5000X combines a sensitive FM-AM tuner with a powerful 50-watt stereo amplifier and a complete array of controls and inputs. FM section has multiplex circuit, wide-band discriminator, gated-beam limiter, illuminated tuning meter. *Sensitivity:* 3.2μ IHFM. AM section has high-gain RF amplifier, 10 kc bandwidth. Amplifier section provides 25 watts per channel IHFM music power. *Response:* ± 1 db, 12-70,000 cps at

1 watt. Has separate bass and treble controls for each channel; also, blend and contour controls, front-panel stereo headphone jack. Brushed gold panel. Size, $6\frac{1}{2} \times 16 \times 13\frac{1}{2}"$ (excluding knobs). For 110-120 v., 50-60 cycle AC. 40 lbs.

72 SU 159-J. \$15 Monthly. NET 299.95

72 SX 160. CX-80 Gray Metal Case. For above. Shpg. wt., 2 lbs. NET 12.95

72 SX 169. WW-80 Wood Case. For above. Walnut veneer. Wt. 3 lbs. NET 29.95



TA-5000X

New All-Transistor Stereo Components

A-1000T ALL-TRANSISTOR 50-WATT STEREO AMPLIFIER

Offers superb, transparently smooth sound. Uses 29 transistors and 4 diodes. Audio transformers are eliminated to achieve flawless reproduction. Has 6 pairs of inputs, center-channel and headphone outputs. Controls grouped for convenience. *Response:* $\pm 1/2$ db, 1-250,000 cps. *Distortion:* below 0.5%. *Hum & Noise:* 90 db down. $3\frac{3}{4} \times 14\frac{1}{2} \times 8\frac{3}{4}"$. Less case. For 110-120 v., 50-60 cycle AC. 20 lbs.

72 SU 185-J. \$13 Monthly. NET 249.95

72 SU 200. Wood Case For Above. Walnut finish. Shpg. wt., 3 lbs. NET 19.95

F-1000T ALL-TRANSISTOR STEREO MULTIPLEX FM TUNER

Provides superb FM and stereo FM reception. Uses 17 transistors and 13 diodes. Has stereo indicator light, automatically switches to stereo reception. Also: tuning meter, range switch, AFC. *Sensitivity:* 2.8μ IHFM. *Response:* $\pm 1/2$ db, 5-75,000 cps. *Signal-to-Noise Ratio:* 80 db. *Distortion:* below 0.1%. Size, $3\frac{3}{4} \times 14\frac{1}{2} \times 8\frac{3}{4}"$. For 110-120 v., 50-60 cycle AC. Wt., 12 lbs.

72 SU 199-J. \$11 Monthly. NET 209.95

72 SU 200. Wood Case. In walnut finish. Shpg. wt., 3 lbs. NET 19.95

A-1000T



F-1000T

Multiplex Adapters for Harman Kardon FM Tuners

MX-700 MULTIPLEX ADAPTER

Self-powered, operates with older Harman Kardon FM and FM-AM tuners equipped with multiplex output jack. 3 connections with cables supplied. $9 \times 2\frac{1}{2} \times 4"$. For 110-120 v., 50-60 cycle AC. 5 lbs.

72 SU 146-J. \$5 Monthly. NET 59.95

72 SX 147. CX-70 Metal Case. For above. Shpg. wt., 2 lbs. NET 8.95

MX-600 ADAPTER. Not illus. For TA-230, TA-224, TA-260 tuners. Plugs into chassis. Takes power from tuner. 2 lbs.

72 SU 148-J. \$5 Monthly. NET 49.95

MX-500 ADAPTER. As above, for F-500, ST-350, ST-360, ST-360A tuners. 5 lbs.

72 SU 149. \$5 Monthly. NET 39.95



MX-700

Allied Guarantees Your Satisfaction



NEW MX110 STEREO TUNER-PREAMP

\$374.50

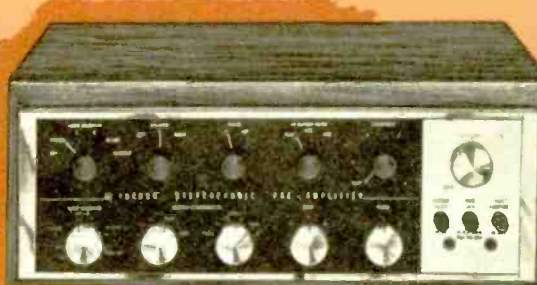
- Has Front Panel Stereo Indicator
- Incorporates Cascode RF Stage, 3 IF Amplifier Stages, 2 Limiter Stages

Less Cabinet

Masterfully engineered to satisfy the requirements of the most critical audio connoisseur, this superb tuner-preamplifier provides the ultimate in quality FM and FM multiplex reception. Features full array of controls—employs 15 tubes; EM84A tuning indicator; 13 diodes; 4 rectifiers. Tuner sensitivity is better than 2.5 μ v at 100% modulation. Supersonic multiplex frequencies are efficiently suppressed for heterodyne-free tape recording. *Response:* ± 1 db, 20-20,000 cps. *Distortion:* less than 0.6% at 100% modulation. Anodized gold and black front panel. 5 $\frac{1}{2}$ x 15 $\frac{1}{2}$ x 12 $\frac{1}{2}$ ". Less cabinet. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 30 lbs.

72 SU 303-J. \$18 Monthly. NET 374.50

72 SX 304. Oiled Walnut Cabinet. 5 lbs. NET 25.00



C20 STEREO PREAMPLIFIER

\$269.00

- Meets the Highest Professional Standards
- 15 Pairs of Inputs and a Full Set of Controls Handle Any Program Source

Less Cabinet

This highly flexible preamp provides complete command over all stereo or monophonic material—comparable to the control provided by professional recording and broadcast installations. *Controls:* Input Selector (Aux., Tape, Tuner 1 and 2 Stereo or Mono, Phono 1 and 2 Stereo or Mono, Tape Head 1 and 2); Function Selector (Stereo Normal or Reverse, Left Channel only, Right Channel only, M-Left, M-Right—left or right channels to both speakers); Bass and Treble; Bass and Treble compensators, including RIAA, LP, Tape Head, flat position; Balance; Phase; Loudness; High-Frequency Filter; Rumble Filter; Tape Jack switch; Volume/On-Off, Low-Frequency Trim. *Response:* $\pm \frac{1}{2}$ db, 20-20,000 cps. 5 $\frac{1}{2}$ x 15 $\frac{1}{2}$ x 12 $\frac{1}{2}$ ". Less cabinet, listed below MX110, at left. For 110-120 v., 50-60 cycle AC. Shpg. wt., 29 lbs.

72 SU 301-J. \$12 Monthly. NET 269.00



C11 STEREO PREAMPLIFIER

\$229.50

- For Deluxe Systems
- Heavy-Duty Power Supply
- Superior Response
- 9 Pairs of Inputs

Less Cabinet

An excellent choice for deluxe home music systems, the C11 stereo preamp control center provides complete command of all audio reproduction. Assures smooth, pleasing sound from any high-quality source and permits precise tonal adjustment to suit room acoustics and personal taste.

Controls: Input Selector (Aux., Tape, Tuner 1, Tuner 2, Phono 1, Phono 2, Mic., Tape Head); Mode Selector (L to L and R, R to L and R, Stereo Rev., Stereo, Mono L+R, L+R to L, L+R to R); Left and Right Bass and Treble; Balance; Compensator; Tape; Phase; Power On-Off; Rumble Filter and High-Frequency Filter switches; Loudness; Volume; and Output Level $\pm \frac{1}{2}$ db, 20-20,000 cps. 5 $\frac{1}{2}$ x 15 $\frac{1}{2}$ x 10". Less cabinet, listed below MX110, above. For 110-120 v., 50-60 cycle AC. 25 lbs.

72 SU 302-J. \$12 Monthly. NET 229.50



MR65B STEREO FM TUNER

Precision-engineered and highly sensitive, this outstanding tuner provides superlative FM and FM multiplex reception. Features a 6DS4 high-gain Nuvistor as the first stage of a two-tube RF amplifier. Circuit offers extremely high sensitivity, yet still retains excellent selectivity—enormously reduces possibility of interference from other stations. *Usable sensitivity:* 2.5 μ v at 100% modulation. *Hum:* more than 70 db below 100% modulation. With multiplex indicator light. 5 $\frac{1}{2}$ x 15 $\frac{1}{2}$ x 12 $\frac{1}{2}$ ". Less cabinet. For 110-120 v., 50-60 cycle AC. Shpg. wt., 31 lbs.

72 SU 300-J. \$16 Monthly. NET 329.00

72 SX 304. Oiled Walnut Cabinet. 6 $\frac{1}{2}$ x 12 $\frac{1}{2}$ x 16 $\frac{1}{2}$ ". Shpg. wt., 5 lbs. NET 25.00

MC225 50-WATT STEREO BASIC

A magnificent basic amplifier for use with any of the preamps on this page. 18-60,000 cps. *IM and harmonic distortion:* less than 0.5% at full output. *Imp.:* 4, 8, 16, 150, 200 ohms. 9 $\frac{1}{2}$ x 6 $\frac{1}{2}$ x 14 $\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. 39 lbs.

72 SZ 290-J. \$10 Monthly. NET 198.00



MC240 80-WATT STEREO BASIC

Meets the highest professional standards—ideal for the MX110 or C20. *Output:* 80 watts (40 watts per channel). *Response:* ± 1.0 db, 15-60,000 cps, full power. *Harmonic and IM Distortion:* less than 0.5%. *Imp.:* 4, 8, 16 ohms. For 105-130 v., 50-60 cycle AC. 10 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 16 $\frac{1}{2}$ ". 60 lbs.

72 SZ 291-J. \$15 Monthly. NET 288.00

MC75 75-WATT BASIC AMPLIFIER

Ideal for use in monophonic systems, or in pairs in ultra-deluxe stereo systems. Same electrical specs as MC225, at left. 8 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 16 $\frac{1}{2}$ ". For 117-125 v., 50-60 cycle AC. Shpg. wt., 48 lbs.

72 SZ 285-J. \$12 Monthly. NET 229.50

MC40 40-WATT BASIC AMPLIFIER

Carefully engineered monophonic basic amplifier. *Response:* +0, - $\frac{1}{2}$ db, 16-60,000 cps at rated output. *Hum and noise:* more than 90 db below rated output. *Impedance:* 4, 8, 16, 125, 150, 600 ohms. 7 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 13 $\frac{1}{2}$ ". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 35 lbs.

72 SU 281-J. \$8 Monthly. NET 159.00

MODEL 2425S1 30-WATT FM-AM STEREO RECEIVER

Complete tuner-amplifier combination for outstanding reception AM, FM and FM multiplex broadcasts—just connect it to a pair of good speaker systems and you have a top-notch FM-AM music system. "Stereo Sentry" automatically switches FM section to multiplex during "stereocasts." FM section sensitivity, 1.5 μv ; fm and noise level, -52 db; response, 20-20,000 cps, $\pm 1\text{db}$. AM section sensitivity, 6 μv for 20 db s/n ratio. Output, 30 watts 5 watts per channel). Outputs: 8, 16 ohms and 2 high-impedance. $5\frac{7}{16}\times 17\frac{1}{4}\times 13\frac{3}{8}$ ". For 110-120 v., 50-60 cycle AC. With walnut-finished, metal cabinet. 30 lbs.

2 SU 214-J. \$12 Monthly. NET 259.95

MODEL 2445S1 44-WATT STEREO FM-AM RECEIVER

(Not illus.) Deluxe tuner-amplifier for exceptional AM, FM and M stereo multiplex reception. FM tuner has sensitivity of 1.2 v; 3 wide-band IFs; "Stereo Sentry" which automatically switches to multiplex. Output, 44 watts (22 per channel); hum, 6 db down. Response, 20-20,000 cps, $\pm 1\text{ db}$. Outputs: 4, 8, 16 hms; 2 high-impedance for tape recorder. $5\frac{7}{16}\times 17\frac{1}{4}\times 13\frac{3}{8}$ ". With walnut-finished, metal cabinet. For 110-120 v., 60 cycle AC. 6 lbs.

2 SU 202-J. \$15 Monthly. NET 309.95



\$259⁹⁵
With Cabinet

A complete tuner and amplifier on a single chassis... Features Bell's superb design and engineering... Serves as the ideal "heart" of a quality stereo home music system

Outstanding Hi-Fi Stereo Components by

MODEL 2420 34-WATT STEREO AMPLIFIER

Matching the appearance and performance of the tuners on this page, this versatile stereo amplifier serves as the ideal "heart" for a quality home music system. Provides output of 34 watts (17 watts per channel). Response: $\pm 1\text{ db}$, 20-20,000 cps. Hum and noise: 72 db below 17 watts. Features: 2 pairs of phono inputs so 2 record-playing sources can be permanently connected; 2 pairs of tape head as well as tape amplifier inputs; individual bass and treble controls for each channel. Two filters "erase" scratch and rumble without cutting response. Loudness compensation switch boosts bass at low volume settings. Outputs: 4, 8, 16 ohms; 2 high-impedance. $5\frac{7}{16}\times 17\frac{1}{4}\times 10\frac{3}{8}$ ". With walnut-finished, metal cabinet. For 110-120 v., 60 cycle AC. 22 lbs.

72 SU 203-J. \$7 Monthly. NET 129.95

MODEL 2440 44-WATT STEREO AMPLIFIER

Deluxe stereo amplifier with all the features you need for reproducing fine music in your home. Provides music power output of 44 watts (22 per channel). Response: $\pm 1\text{ db}$, 20-20,000 cps. Hum and noise: 76 db below 44 watts. Has 2 pairs of phono inputs; tape head inputs plus tape amplifier inputs; separate silicon DC filament and bias supply for added stability; etc. Outputs: 4, 8, 16 ohms; 2 high-imped. $5\frac{7}{16}\times 17\frac{1}{4}\times 10\frac{3}{8}$ ". With walnut-finished, metal cabinet. For 110-120 v., 60 cycle AC. 28 lbs.

72 SU 204-J. \$8 Monthly. NET 159.95

MODEL 2419 STEREO FM MULTIPLEX TUNER

Incorporating many exceptional design and performance features, this fine stereo tuner provides perfect reception of either regular FM or stereo multiplex FM broadcasts. High sensitivity of 1.7 μv for 20 db signal-to-noise ratio insures better FM stereo reception; channel separation is 30 db. "Stereo Sentry" automatically switches circuit to stereo when multiplex signal is received. Also: adjustable AFC; built-in filters for perfect, whistle-free stereo tape recording. $5\frac{7}{16}\times 14\frac{1}{4}\times 10\frac{3}{8}$ ". With walnut-finished, metal cabinet. For 110-120 v., 60 cycle AC. 12 lbs.

72 SU 207-J. \$8 Monthly. NET 149.95

MODEL 2421S1 AM-FM MULTIPLEX TUNER

(Not illus.) Economy-priced stereo tuner with all the basic features you need to enjoy top-notch AM FM or FM stereo multiplex reception. FM sensitivity: 1.5 μv for 20 db quieting; stereo channel separation: 30 db. $5\frac{7}{16}\times 17\frac{1}{4}\times 10\frac{3}{8}$ ". With walnut-finished, metal cabinet. For 110-120 v., 60 cycle AC. 18 lbs.

72 SU 206-J. \$8 Monthly. NET 159.95

MODEL 2441S1 AM-FM STEREO MULTIPLEX TUNER

Deluxe tuner with a host of features. FM section with sensitivity of 1.2 μv pulls in the weakest stations with low distortion. AM section's 4 μv sensitivity, wideband response and 10-kc whistle filter provides quality AM reception. Channel separation of 30 db for thrilling stereo listening. $5\frac{7}{16}\times 17\frac{1}{4}\times 10\frac{3}{8}$ ". With walnut-finished, metal cabinet. For 110-120 v., 60 cycle AC. 18 lbs.

72 SU 205-J. \$10 Monthly. NET 189.95



2420



2440



2419

Net
\$149⁹⁵



2441S1

Net
\$189⁹⁵



Designed for Impressive Sound Quality



TOP-QUALITY PHONO SYSTEM
FEATURING ST-40K AMPLIFIER

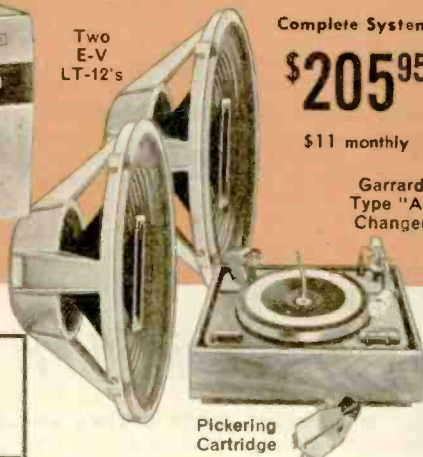
Two
E-V
LT-12's

Complete System

\$205⁹⁵

\$11 monthly

Garrard
Type "A"
Changer



Pickering
Cartridge

ST-40K 40-WATT STEREO AMPLIFIER KIT

\$79⁹⁵

- Full Array of Switched Stereo Inputs
- Dual-Concentric Tone and Volume Controls
- Panel Styled in Cream and Brown Finish

\$5 monthly

SAVE
\$67.21

This moderately priced, conservatively rated 40-watt stereo amplifier is famous for its versatility and performance. Has clutch-type level, bass and treble controls for each channel; balance control; balance check switch; tape monitor switch; rumble and scratch filters; volume/loudness switch. Inputs for tape recorder, tape head, phono (2), FM-AM, AM-AM, and FM-Multiplex. Output for 3rd channel. Response: ± 1 db, 12-25,000 cps. Distortion: 1M, 1% at 40 watts; Harmonic, $\frac{1}{2}\%$ at 40 watts. 4—7591 output tubes. Impedance, 4, 8, 16 ohms. $5 \times 15 \frac{1}{2} \times 14"$. With metal case. For 110-120 v., 50-60 cycle AC. 35 lbs.

72 SU 305-J. \$5 Monthly. NET 79.95
72 SU 306-J. Model ST-40. Above, wired. NET 129.95

ST-70K 70-WATT STEREO AMPLIFIER KIT

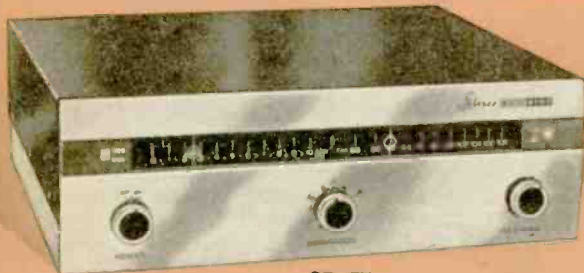
Not ill. Full array of controls and inputs. Response: ± 1 db, 9-60,000 cps. Distortion: 1M, 1% at 70 watts; Harmonic, $\frac{1}{2}\%$ at 70 watts. $5 \times 15 \frac{1}{2} \times 16"$. For 110-120 v., 50-60 cycle AC. 44 lbs.

72 SU 307-J. \$5 Monthly. NET 99.95
72 SU 308-J. Model ST-70. Above, wired. NET 149.95

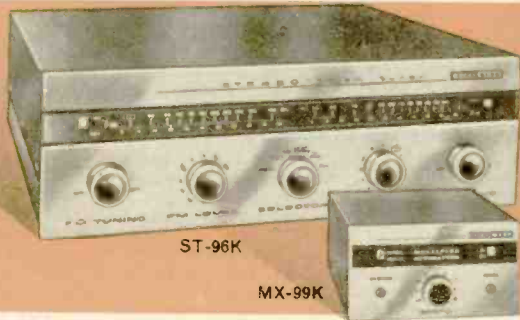
Get dazzling stereo, full flexibility—and save \$67.21 off the cost of the components purchased separately. System Includes: Eico Model ST-40K 40-Watt Stereo Amplifier Kit (described fully at left); Garrard Type "A" 4-Speed Record Changer and Wood Base; New Pickering U-38AT Stereo Cartridge with .0007" Diamond Needle; and 2—Electro-Voice LT-12 12" 3-Way High Fidelity Speakers.

Garrard Type "A" Changer and Pickering Cartridge bring out the best in your records. Electro-Voice LT-12 Speakers have 12" woofer cone, exclusive "Radax" midrange, and "Sonophase" VHF driver for response that extends from 40 to 18,000 cps. You also get all connecting cables to simplify hookup of your system. Changer base in choice of mahogany, limed oak or walnut finish. Shpg. wt., 99 lbs.

21 HF 104C-J. Specify Finish. \$11 Monthly. ONLY 205.95



ST-97K



ST-96K

MX-99K

MODEL ST-97K STEREO MULTIPLEX FM TUNER KIT

Deluxe tuner that provides excellent-quality reception of both conventional FM and stereo multiplex FM broadcasts. Employs factory pre-aligned front-end, IF strip and wide-band ratio-detector on a pre-wired circuit board. Multiplex circuitry gives optimum channel separation for best stereo effect. Has built-in 15-kc sub-channel carrier interference filters at each output. Stereo indicator light shows you when station you are tuned to is broadcasting in stereo. Offers AFC that "locks-in" stations, defeat switch to ease tuning. Also has Tuning, Channel Separation, Stereo/Mono, and Power On/Off Controls. Frequency Response: ± 1 db, 20-15,000 cps. Sensitivity: 3 μ v IHFM (1.5 μ v for 20 db quieting). Signal-to-Noise Ratio: -55 db IHFM. Harmonic Distortion: 0.6% IHFM. IM Distortion: 0.2% IHFM. Has paired cathode-follower stereo outputs. $5 \frac{1}{2} \times 15 \frac{1}{2} \times 11 \frac{1}{2}"$. With all parts and instructions, metal case. For 110-120 v., 50-60 cycle AC. 17 lbs.

72 SU 309-J. \$5 Monthly. NET 99.95
72 SU 310-J. Model ST-97. Above, wired. NET 149.95

MODEL ST-96K FM-AM TUNER KIT

Low-cost tuner with separate FM and AM sections. Ideally matched to MX-99 Multiplex Adapter, below. Features "Eye-tronic" tuning eye indicators. RF, IF stages and "Eye-tronics" are pre-wired. FM section has shielded front end, AFC with defeat, broadband ratio detector. Sensitivity: 1 $\frac{1}{2}$ μ v for 20 db quieting. Size, $5 \times 15 \frac{1}{2} \times 14"$. 12 tubes, diode and rectifier. Metal case, instructions. For 110-120 v., 50-60 cycle AC. 24 lbs.

72 SU 311-J. \$5 Monthly. NET 89.95
72 SU 320-J. Model ST-96. Above, wired. NET 129.95

MODEL MX-99 MULTIPLEX ADAPTER KIT

Plugs into any Eico FM tuner with a multiplex output jack. Lets you receive stereo multiplex FM broadcasts. $9 \frac{1}{2} \times 6 \frac{1}{2} \times 2 \frac{3}{8}"$. Less case, below. For 115 v. AC. 7 lbs.

72 SX 321-J. \$5 Monthly. NET 39.95
72 SX 322. Metal Case. For above. 2 lbs. NET 2.95

Low Cost, Top Performing Hi-Fi Kits



HF-81K

Point-to-Point Wiring
For Fast Assembly



HFT-92K

HFT-94K

HFT-90K

HF-81K AMPLIFIER KIT

Low cost, 28-watt stereo amplifier kit accommodates any stereo or monophonic signal source. Provides 14 watts per channel for stereo—at the flick of a switch becomes a 28-watt monophonic amplifier. Low-level inputs in each channel for magnetic phono, tape head and mike. High level inputs for AM tuner, FM tuner and stereo multiplex FM tuner or adapter.

Response: ± 0.5 db, 10-100,000 cps at 2 watts. Distortion: Harmonic, below 1%, 30-10,000 cps at 16 watts; IM, 0.5% at 10 watts (stereo). Controls: Input Selector; Function Selector; ganged Level, ganged Bass; ganged Treble; Blend. 10 tubes, 2 rectifiers, $4\frac{3}{4} \times 15 \times 10\frac{1}{2}$ ". Metal case. For 110-120 v., 50-60 cycle AC. 24 lbs.

72 SU 323-J. \$5 Monthly.....NET 69.95

MODEL HF-81. Above, wired.

72 SU 324-J. \$6 Monthly.....NET 109.95

WOOD CASE. Walnut. 4 lbs.

72 SX 325.....NET 13.95

ST-84K STEREO PREAMPLIFIER

Moderately-priced, offers full controls and inputs. Employs concentric tone and level controls, tape equalization, rumble and scratch filters, tape monitor feature. Response: ± 0.3 db, 5-25,000 cps. Distortion: Harmonic, 0.06%; IM, 0.04%. Hum and Noise: -65 db minimum. Metal case, $5\frac{1}{2} \times 15\frac{1}{2} \times 8\frac{3}{4}$ ". For 110-120 v., 50-60 cycle AC. Shpg. wt., $8\frac{1}{2}$ lbs.

72 SX 364-J. \$5 Monthly.....NET 59.95

MODEL ST-84. Wired.

72 SX 375-J. \$5 Monthly.....NET 89.95

HF-85K STEREO PREAMPLIFIER

Low-priced, offers virtually every control and switching facility. Features exceptionally low distortion, tape head and mike inputs, tape and phono equalization. Clutch tone and level controls. Response: ± 0.3 db, 5-25,000 cps. Distortion: Harmonic, 0.1% at 3 v. out; IM, 0.2% at 0.5 v. out. IM, 0.07%. Hum and Noise: -60 db minimum. Metal case, $3\frac{1}{2} \times 12 \times 8\frac{1}{4}$ ". For 110-120 v., 50-60 cycle AC. 8 lbs.

72 SX 376-J. \$5 Monthly.....NET 39.95

MODEL HF-85. Wired.

72 SX 377-J. \$5 Monthly.....NET 64.95

WOOD CASE. For HF-85 and HF-85K. In walnut. Shpg. wt., 4 lbs.

72 SX 350.....NET 12.50

HFT-92K FM-AM TUNER KIT

An excellent value, features temperature compensated components; pre-wired, pre-aligned front end for easy assembly. "Eye-tronic" tuning eye, multiplex jack (see MX-99 Adapter). FM Sensitivity: $1\frac{1}{2}$ μ v for 20 db. Hum: -60 db. $3\frac{3}{4} \times 12 \times 8\frac{1}{4}$ ". Metal case. For 115 v. AC. 12 lbs.

72 SX 335-J. \$5 Monthly.....NET 59.95

MODEL HFT-92. Above, wired.

72 SU 336-J. \$5 Monthly.....NET 94.95

WOOD CASE. Oiled walnut. 4 lbs.

72 SX 350.....NET 12.50

HFT-94K AM TUNER KIT

Offers wide and narrow bandpass, tuned RF stage, "Eye-tronic" tuning indicator, ferrite-loop antenna, whistle filter. 4 tubes, tuning eye, rect. $3\frac{3}{4} \times 12 \times 8\frac{1}{4}$ ". Metal case. For 115 v. AC. 12 lbs.

72 SU 351-J. \$5 Monthly.....NET 39.95

72 SU 360-J. Above, wired.....NET 65.95

72 SX 350. Walnut Case. 4 lbs.....12.50

HF-89K 100-WATT AMPLIFIER KIT

Stereo basic amplifier. 4—EL-34 output tubes, silicon rectifiers, massive output transformers. Response: ± 0.5 db, 5-100,000 cps. IM Distortion: 0.5% at 100 watts. Hum: -90 db. $6 \times 11 \times 15$ ". Less case, below. For 110-120 v., 50-60 cycle AC. 37 lbs.

72 SU 378-J. \$5 Monthly.....NET 99.50

72 SU 379-J. HF-89. Wired.....NET 139.50

HF-87K 70-WATT AMPLIFIER KIT

Stereo basic amp, provides 70-watts of stereo or monophonic sound. 4—EL-34 output tubes. Same specifications as above, but IM distortion is 1% at 70 watts. $6 \times 15 \times 11$ ". Less case, below. For 110-120 v., 50-60 cycle AC. 32 lbs.

72 SU 380-J. \$5 Monthly.....NET 74.95

72 SU 390-J. HF-87. Wired.....114.95

METAL CASE. For HF-87 and 89. 4 lbs.

72 SX 391.....NET 4.50

HF-86K 28-WATT AMPLIFIER KIT

Not illud. Stereo basic amplifier provides 28 watts of stereo or monophonic sound. Employs Williamson-type circuit with push-pull EL-84 output tubes. Response: ± 0.5 db, 10-100,000 cps. Hum: -90 db. $5 \times 13\frac{1}{2} \times 9$ ". For 110-120 v., 50-60 cycle AC. Wt., 16 lbs.

72 SX 392-J. \$5 Monthly.....NET 43.95

72 SX 393-J. HF-86. Wired.....NET 74.95

METAL CASE. For HF-86. 3 lbs.

72 SX 498.....NET 3.95

HFT-90K FM TUNER KIT

Unusually low in cost, the HFT-90K features factory pre-wired, pre-aligned front end. Has "Eye-tronic" tuning indicator that contracts into an exclamation point when station is perfectly tuned. Offers temperature-compensated components that provide fine sensitivity and stable, drift-free performance. Has volume and tuning controls.

Has jack for addition of multiplex adapter (see MX-99 Adapter on preceding page). Sensitivity: $1\frac{1}{2}$ μ v for 20 db quieting. Uses 6 tubes, tuning indicator and rectifier. Size, $3\frac{3}{4} \times 12 \times 8\frac{1}{4}$ ". Less case, below. For operation from 110-120 v., 50-60 cycle AC. Wt., 10 lbs.

72 SX 361-J. \$5 Monthly.....NET 39.95

MODEL HFT-90. Wired. Less case.

72 SU 362-J. \$5 Monthly.....NET 65.95

E3 METAL CASE. For above. 3 lbs.

72 SX 363.....NET 3.95



84K



85K



89K



87K

dynakit

Quality Hi-Fi Component Kit



Time-Saving
Printed Circuits

Net **\$59⁹⁵**
With Case

PAS-2 STEREO PREAMPLIFIER KIT

Performance-acclaimed stereo preamp with complete control facilities. Ideal for use with top-quality basic amplifier. Some of its many features include: "Dyna Blend" control for variable channel separation, DC-heated tube filaments and four AC convenience outlets. Has excellent transient performance.

All critical circuit phases are pre-assembled on two printed-circuit boards—assembly time is reduced to about 8 hours. *Response:* $\pm 1/2$ db, 10-40,000 cps. *IM Distortion:* less than .05% at 2-volt output. *Noise:* less than 3 μ v equivalent noise input on RIAA. *Controls:* Selector, Volume, Balance, Blend, separate Bass and Treble for each channel, Tape Monitor switch, On/Off, Loudness, Scratch Filter. *Inputs:* 3 stereo low-level—RIIAA Phono, NARTB Tape Head, Special (for 2nd phono, tape head, mike); 4 stereo high-level—FM Multiplex, FM-AM, Aux., Tape *Outputs:* Audio, Tape Recorder. 4—12AX7/ECC83, plus rectifiers. With charcoal brown textured vinyl case. 4x13x8". For 110-120 v., 50-60 cycle AC. Shpg. wt., 11 lbs.

72 SX 235-J. \$5 Monthly. NET 59.95
72 SX 236-J. Above, factory wired NET 99.95



Net **\$99⁹⁵**
With Case

"STEREO 70" 70-WATT BASIC AMPLIFIER KIT

Make this high-performance basic amplifier the "heart" of your stereo music system. The "Stereo 70" delivers 35 watts per channel, for a full 70-watts of stereo output. Peak power is 80 watts per channel. Provides outstanding hi-fi sound—firm, perfectly defined bass and smooth, natural highs. Use of printed circuitry, detailed step-by-step instructions with pictorial diagrams cuts assembly time to about 5 hours.

Designed for utmost reliability—output tubes are operated at only 65% of capacity; filter capacitors less than 85% of rated voltage. Features include: matched output tubes, stereo-mono switch, provision for powering two separate preamps.

Response: ± 0.5 db from 10 to 40,000 cps. *IM Distortion:* less than 1% at 70 watts. *Hum and Noise:* better than 90 db below rated output. Nickel-finished chassis; vinyl-coated charcoal brown cover. 4—EL-34's, 2—7199's, GZ-34, plus selenium rectifier. Size (HWD), 6 1/2 x 9 1/2 x 13". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 32 lbs.

72 SU 237-J. \$5 Monthly. NET 99.95
72 SU 238-J. Above, factory wired NET 129.95



Net **\$79⁹⁵**
With Case

DYNAKIT FM-1 DYNATUNER

An outstanding, top-performance hi-fi component—available in kit, "semi-kit," or factory-wired form. Now, also available with FMX-3 SK multiplex adapter installed in factory-wired Dynatuner. Renowned for stable, sensitive FM reception, free from distortion.

Superior-Quality DYNATUNER FM Tuner Kits

MODEL FM-1. Engineered to the most exacting standards, the "Dynatuner" includes all of the most important performance characteristics—high sensitivity for fringe-area use; low noise and distortion; and non-critical, drift-free tuning. Printed-circuit design and accessible, functional layout permit construction in 6 hours. EM-84 tuning eye is used to peak IF stages—no external test equipment required—all coils are pre-aligned. Planetary-drive tuning system eliminates dial-cord stringing—gives smooth, accurate tuning without backlash. Additional features include the use of minimum phase shift IF's, wide-band detection and linear design. *Sensitivity:* 4 μ v IHFM. Provision for multiplex, at right. With case, 4x13x8". For 110-120 v., 50-60 cycle AC. 12 lbs.

72 SX 240-J. \$5 Monthly. NET 79.95
72 SU 239-J. Above, factory wired. NET 119.95

72 SX 242-J. Factory-Wired FM-1 Tuner With FMX-3. Multiplex adapter (right) installed. Wt., 13 lbs. NET 169.95

MODEL FM-1 SK DYNATUNER "SEMI-KIT." Same as FM-1, but printed-circuit sections and other major parts soldered and mounted. Power supply, tuning-eye unwired. 12 lbs.

72 SX 241-J. \$5 Monthly. NET 99.95

72 SX 243-J. Model FMA-2 10-Watt Monophonic Amplifier Kit. Fits inside FM-1 instead of multiplexer. Converts FM-1 to receiver. 12-35,000 cps, ± 1 db. 4 lbs. NET 29.95

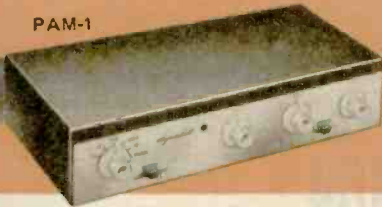
MODEL FMX-3 MULTIPLEX ADAPTER KIT. Fits inside "Dynatuner." Automatically switches to stereo when multiplex is tuned in. 3 hour assembly time. Shpg. wt., 2 1/2 lbs.

72 SX 244-J. \$5 Monthly. NET 29.95

72 SX 245-J. Model FMX-3 SK "Semi-Kit." Partially wired. 39.95

for the Audio Perfectionist

dynakit



PAM-1



MARK IV



MARK III

PAM-1 MONOPHONIC PREAMPLIFIER KIT

Full-flexibility preamp for use with any basic amplifier. Printed-circuit board cuts building time to approximately 6 hours. Response: ± 0.5 db, 10 to 40,000 cps. Complete array of controls for all functions. Inputs for all music system components. Distortion: less than 0.05% IM, at 2 v.; Harmonic, unmeasurable. Requires PS-1 (below), when used with other than Dynakit amplifiers. Requires 200-400 v. DC at 3-4 ma., 6 v. AC at $\frac{1}{2}$ amp. Charcoal brown vinyl case. $2\frac{1}{2} \times 12 \times 6$ ". Wt., 7 lbs.

- 72 SX 246-J. \$5 Monthly.....NET 34.95
- 72 SU 247-J. Above, factory wired.....NET 59.95
- 72 S 248. PS-1 Power Supply Kit. Powers one or two PAM-1's. 2x 5x5". For 110-120 v., 50-60 cycle AC. Wt., 2 $\frac{1}{2}$ lbs.....NET 8.95
- 72 S 259. Above, factory wired.....NET 14.95

MARK IV 40-W MONO BASIC AMPLIFIER KIT

Economically-priced—perfect match for PAM-1 or PAS-2 preamps. Printed-circuit board cuts assembly time to less than 3 hours. Response: ± 0.5 db, 10 to 40,000 cps. IM Distortion: less than 1% at full output. Hum and Noise: -90 db. With case, $6\frac{1}{2} \times 14 \times 5$ ". For 110-120 v., 50-60 cycle AC. Wt., 20 lbs.

- 72 SU 265-J. \$5 Monthly.....NET 59.95
- 72 SU 266-J. Above, factory wired.....NET 79.95
- 72 SU 267-J. MARK III 60-Watt Monophonic Basic Amplifier Kit. Response: ± 0.5 db, 6 to 60,000 cps. IM Distortion: less than 1% at 60 watts. Hum and Noise: -90 db. Case, $6\frac{1}{2} \times 9 \times 9$ ". For 110-120 v., 50-60 cycle AC. Wt., 28 lbs.....NET 79.95
- 72 SU 268-J. Above, factory-wired.....NET 98.95

DELUXE AUDIO COMPONENTS

by

marantz



MODEL 7 STEREO CONSOLE PREAMPLIFIER

Self-powered stereo preamplifier of the highest quality. Features unsurpassed control versatility, ease of operation and finest professional workmanship. Front Panel Controls: 8-pos. Selector, 5-pos. Mode, Volume, Balance, 2—Treble, 2—Bass, Phono Equalizer—settings for RIAA, old COL LP, early 78, Tape Playback or Monitor, High Filter, Rumble Filter, and Off-On switch. A deluxe instrument suitable for use in the finest systems. Rear Panel: output level adjustments, 3 pairs of outputs, tape-head equalizer adjustments, 6 AC outlets, 9 pairs of inputs, system ground. Response: ± 0.5 db, 20-20,000 cps. IM Distortion: 0.02%. Noise: -80 db. Less cabinet, below. $5\frac{1}{2} \times 15\frac{1}{4} \times 8\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. Shpg. wt., 16 lbs.

- 72 SU 269-J. \$14 Monthly.....NET 264.00
- 72 SX 270. Wood Cabinet. For above. Beautifully finished oiled walnut. $6\frac{1}{2} \times 17\frac{1}{4} \times 10\frac{1}{4}$ ". Shpg. wt., 4 lbs.....NET 24.00



MODEL 8B 70-WATT STEREO BASIC AMPLIFIER

Traditional Marantz superiority is demonstrated by this remarkable amplifier. Each channel delivers 35 watts (70-watts peak). Changing two connections allows 18-watt triode operation of each channel for unexcelled stereo. Built-in bias meter assures optimum operation at all times. Response: ± 0.1 db, 20 to 20,000 cps at rated output. IM and Harmonic Distortion: less than 0.5%. 4—EL34 output tubes. Compact size, $7\frac{1}{2} \times 13\frac{1}{2} \times 10\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Shpg. wt., 55 lbs.

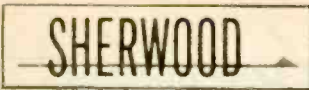
- 72 SZ 275-J. \$14 Monthly.....NET 264.00
- 72 SX 276. Gold-Finished Perforated Grille. 1 lb.....NET 9.00
- MODEL 9 70-WATT MONOPHONIC BASIC. (Not illus.) Outstanding amplifier for exceptionally low distortion and high stability. Built-in self-testing arrangement. ± 0.5 db, 20-20,000 cps. $8\frac{1}{2} \times 15\frac{1}{4} \times 10\frac{1}{4}$ ". For 105-125 v., 50-60 cycle AC. 63 lbs.
- 72 SZ 277-J. \$16 Monthly.....NET 324.00

NEW MODEL 10 STEREO MULTIPLEX FM TUNER

The aristocrat of stereo tuners, the Model 10 delivers the finest possible stereo FM reception. Its features and advanced standards of performance make it the ideal tuner for the audio perfectionist. Boasts an exceptionally high order of quieting and multipath ("ghost") rejection for cleaner reception with any antenna. An oscilloscope tuning indicator provides accurate station setting plus a visual display of field strength, deviation and antenna-setting. Sensitivity: 2 μ v, for better than 40 db quieting.

- Also features: 6 IF stages—no alignment ever needed; 5 dynamic limiters; extra wideband detector; 4-section tuning gang; built-in multiplex section with automatic stereo switching and indicator light. Less cabinet. $5\frac{1}{2} \times 14\frac{1}{2} \times 15$ ". For 110-120 v., 50-60 cycle AC. Shpg. wt., 40 lbs.
- 72 SU 278-J. \$24 Monthly.....NET 555.00
- 72 SX 279. Wood Cabinet. For above. Beautifully finished oiled walnut. $6\frac{1}{2} \times 17\frac{1}{4} \times 17\frac{1}{4}$ ". Shpg. wt., 5 lbs.....NET 33.00





Superior High Fidelity Component.



New S-5500-II

YOU GET ALL THIS:
 64-Watt IHFM Stereo Output
 Full Array of Stereo Inputs
 Accommodates Any Source
 Dual Tone Controls
 Ganged Volume Controls
 All-Mode Function Switch
 Function Indicator Lights
 Scratch and Rumble Filters
 Stereo Reverse Switch
 Outputs to Stereo Recorder
 Attractively Styled Panel

Net
\$164⁵⁰
 Less Case

SPECIFICATIONS

Rated Output: 32 watts IHFM music power each channel (64 watts stereo).
Response: ± 1 db, 20-20,000 cps.
Hum & Noise: 60 db down (phono input).
Distortion: IM, 1 1/2%; Harmonic, 1/2% at rated output.
Outputs: 4, 8, and 16 ohms per channel; pair of cathode follower outputs for stereo tape recording.
Tubes: 4—7868, 5—12AX7, 4—silicon rectifiers.

NEW S-5500-II 64-WATT STEREO AMPLIFIER

A triumph of engineering skill, the Model S-5500-II 64-watt stereo amplifier represents a notable achievement in the distinguished line of Sherwood high-fidelity components. Some of its superior features include: 12 db/octave scratch and rumble filters; eight high-level and four low-level inputs that accommodate virtually every sound source; damping factor of 5 to deliver optimum performance with compact high and low-efficiency speaker systems; phono sensitivity of 1.8 mv.; two cathode follower recorder outputs; friction-locked bass and treble controls for adjusting each channel separately or both

simultaneously; instant mode selection by a function switch which activates indicator lights. Controls Include: Phono Level, Rumble Filter, Scratch Filter, Selector (Tape, Phono, FM MX, AM-TV, Aux); Balance; concentric Bass, concentric Treble; Loudness; Function Selector (Power Off-On, Stereo Normal, Stereo Reverse, Mono S1, Mono S1 & 2). Less case. For 110-120 v., 50-60 cycle AC. 25 lbs.
72 SU 400-J. \$9 Monthly . . . NET 164.50

METAL CASES. Shpg. wt., 3 lbs.
72 SX 516. Walnut leatherette. NET 7.50
72 SX 476. Black flexitone. NET 7.50



S-5000-II

Net
\$199⁵⁰
 Less Case

MODEL S-5000-II 80-WATT STEREO AMPLIFIER

Skillfully designed, offers full controls and inputs. Function switch selects five modes of operation—also operates corresponding group of indicator lights. Friction-locked bass and treble controls let you adjust one channel or both channels simultaneously. Six pairs of stereo inputs; two cathode follower recorder outputs, scratch and rumble filters.

Output: 40 watts-per-channel IHFM (80 watts stereo). **Response:** $\pm 1/2$ db, 20-20,000 cps. **Distortion:** Harmonic, 1/2%; IM, 1 1/2% at full output. **Controls:** Phono Level, Rumble Filter, Scratch Filter and Presence; Selector (Tape, Phono, FM-AM, FM-MX, Aux); Balance; dual-concentric Bass; dual-concentric Treble; Loudness; Power Off-On; Function Selector (Stereo, Stereo Reverse, Mono Ch. 1, Mono Ch. 2, Mono Ch. 1 and 2); Tape Monitor; Loudness/In Out. Uses four 7868 output tubes, six 12AX7; four silicon diode rectifiers. Outputs, 4, 8 and 16 ohms. 4x14 1/2 x 13 1/2". Less case. For 110-120 v., 50-60 cycle AC. 30 lbs.
72 SU 402-J. \$10 Monthly NET 199.50

METAL CASES. Shpg. wt., 3 lbs.
72 SX 516. Walnut leatherette. NET 7.50
72 SX 476. Black flexitone. NET 7.50

S-2100 STEREO MULTIPLEX FM-AM TUNER

Newly designed tuner provides outstanding FM, stereo multiplex FM, and AM reception. Offers built-in multiplex circuitry, indicator eye that tells you when you are receiving stereo multiplex program. Tuning eye shows you when you're "on station." AFC eliminates annoying drift. AM section has 2 tuned RF circuits, double-tuned IF stage, delayed AVC, 10 kc whistle filter, wide-narrow selectivity switch.

FM Sensitivity: 1.8 μ v IHFM. **Response:** $\pm 1/2$ db, 20-75,000 cps. **Selectivity:** 220 kc at 3 db down. **Hum & Noise:** 60 db below 100% modulation. Outputs: Channel A and B to stereo amp or recorder. 14 tubes, includes tuning eye, plus rectifier. Less case, below. 4x 14 1/2 x 12". For 110-120 v., 60 cycle AC. 25 lbs.
72 SU 403-J. \$10 Monthly NET 199.50

METAL CASE. Shpg. wt., 3 lbs.
72 SX 516. Walnut leatherette. NET 7.50
72 SX 476. Black flexitone. NET 7.50

72 SU 415-J. Model S-2000-II. Similar to above, less multiplex. Has separate AM and FM tuning, pushbutton function selector. Multiplex output jack permits use with multiplex adapters. 4x14 1/2 x 12". Less case (see cases listed with S-3000-IV). For 110-120 v., 50-60 cycle AC. 17 lbs. \$8 Monthly. NET 150.50



S-2100

Net
\$199⁵⁰
 Less Case

or Thrilling Music Reproduction



YOU GET ALL THIS:

- Full 64-Watts
- Stereo Inputs
- For Any Music Source
- Sensitive FM Section
- Multiplex Circuit
- Interchannel Hush
- Indicator Lights
- Ganged Volume and Tone Controls
- Lo-Hi Filters
- Beautiful Styling

Net
\$309⁵⁰
Less Case



New S-8000-II

NEW MODEL S-8000-II STEREO MULTIPLEX FM RECEIVER

Combination 64 watt stereo amplifier and stereo multiplex FM tuner, loaded with deluxe features. Up-dated version of the popular S-8000, now features "Stereo-Lite" indicator that shows when you're tuned to a stereo multiplex FM broadcast; plus added power for even better stereo reproduction. A completely integrated unit, combines a sensitive FM tuner, two 32-watt amplifiers, dual preamps for phono and tape, plus wired-in multiplex circuitry. Requires only the addition of speakers to complete an outstanding system for enjoyment of stereo FM broadcasts. FM section offers interchannel

hush, AFC, tuning eye, flywheel tuning. Amplifier section has input selector switch that operates indicator lights. Ganged bass, treble and loudness controls; phono level, stereo balance controls; function selector; scratch and rumble filters. Inputs for tape, monitor, phono, AM tuner, aux. 4 1/2"x16 1/2"x14". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 34 lbs.

72 SU 416-J. \$15 Monthly. NET 309.50

METAL CASE. For use with above receiver. Shpg. wt., 3 lbs.

72 SU 475. Brown leatherette. NET 7.50

SPECIFICATIONS

Rated Output: 32 watts IHFM music power each channel (64 watts stereo.)

Response: ±1 db, 20-20,000 cps.

Noise: 60 db below 30 watts (phono).

Sensitivity: 1.8 µv IHFM

Distortion, FM, .33% @ 100% modulation; Overall, 1.5% @ 32 watts

Outputs: 4, 8, and 16 ohms per channel to stereo speakers.

Tubes: 21 plus 4 silicon rectifiers and tuning eye.



S-3000-IV STEREO MULTIPLEX FM TUNER

Has built-in multiplex for outstanding stereo FM; "Interchannel Hush" that quiets tuner while you tune; tuning eye for pin-point tuning; defeatable AFC; cascade RF amplifier; AGC; 2 IF amplifiers; 2 limiters. *Sensitivity:* 1.8 uv IHFM. *Response:* ± 1/2 db, 20-20,000 cps. *IM Distortion:* below 1/2% @ 100% mod. 11 tubes, tuning eye, silicon rectifier. Less case, below. 4.14x10 1/2". For 110-120 v., 50-60 cycle AC. 16 lbs.

72 SU 417-J. \$8 Monthly. NET 160.00

72 SU 418-J. S-3000-III. Above, less multiplex. Has multiplex output jack. Use with S3MX Adapter, below. 15 lbs. NET 110.50

72 SU 401. Metal Case—Walnut Leatherette. 3 lbs. NET 7.50

72 SX 511. Metal Case—Black Flexitone. 3 lbs. NET 7.50

MODEL A3MX MULTIPLEX ADAPTER. For S-3000-111 and S-2200. Plug-in; requires no external power. 4 1/4"x4 1/2"x3 1/2". Wt., 2 lbs.

72 SU 450. \$5 Monthly. NET 49.50

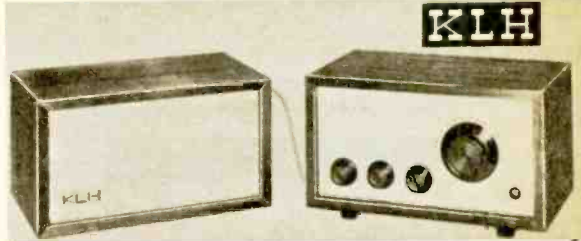
MODEL S3MX MULTIPLEX ADAPTER. (Not illus.) For any Sherwood tuner with multiplex output. 4 1/4"x4 1/2"x12". For 110-120 v., 50-60 cycle AC. Less case. 4 lbs.

72 SU 517-J. \$5 Monthly. NET 69.50

72 SX 518. Case. For S3MX. 3 lbs. 5.00

MODEL SL-1 "STEREO-LITE" Plugs into multiplex output jack of any FM tuner. Lights up when stereo is being received. 2 1/2"x2 1/2"x7 1/2". For 115 v. AC. 2 1/2 lbs.

72 S 474. \$5 Monthly. NET 29.50



Model 8 FM Receiving System

FM broadcast receiving system that provides brilliant performance. Consists of FM tuner with single-channel amplifier and wide-range speaker system. Two acoustic-suspension speakers are sealed in a fiberglass-filled, solid walnut enclosure. Produce amazing "big-speaker" sound. Use with the 8-MX Multiplex Adapter/2nd channel Amplifier and 8-AS Speaker System, below, for a stereo FM receiving system. Sensitive temperature-compensated tuner section is drift-free. Amplifier section has push-pull 3 1/2-watt output, negative feedback for clean response. *Controls:* On-Off, Treble (needs no Bass control), Volume, Tuning. Has multiplex output jack, tuner output jack, phono input jack, line cord antenna. Walnut cabinets, each, 5 1/2"x10 3/4"x6 1/2". For 110-120 v., 50-60 cycle AC. 15 lbs.

72 SX 483-J. \$8 Monthly. NET 159.00

MODEL 8-AS SPEAKER SYSTEM. Same as speaker system supplied in Model 8 system—use as 2nd channel. Level control and adapter-plug. Wt., 4 lbs.

72 SX 484-J. \$5 Monthly. NET 54.00

MODEL 8-MX MULTIPLEX ADAPTER/AMPLIFIER. Fully transistorized, contains multiplex, stereo preamp, and 2nd channel amplifier. With the 8-AS Speaker System and the 8 Receiver, completes a stereo FM receiving system. Has magnetic phono inputs, recorder outputs. Flip a switch—tone indicates stereo broadcast. Also Function, Master Volume, Treble controls. Walnut cabinet, 6 1/2"x7 3/4"x6 1/2". For 110-120 v., AC. 7 lbs.

72 SX 482-J. \$5 Monthly. NET 95.00

You Get More For Your Money From Allied



Outstanding Stereo Hi-Fi Components

Exceptional dependability and superb sound reproduction highlight these distinctive music system units by Pilot



602SA

602SA STEREO MULTIPLEX FM-AM RECEIVER

Net

\$299⁵⁰

With Case

- Automatic Multiplex Feature
- 30-Watt Stereo Amplifier
- Center Channel Output
- Stereo Indicator Light

Ranking among the finest of audio components, the Model 602SA includes an AM-FM and FM stereo multiplex tuner, plus a preamp and a powerful 30-watt stereo amplifier—all in a single, compact unit. Wideband RF and IF circuits deliver flawless response—without distortion. Unit has precision tuning indicator, stereo indicator light, full array of controls, line cord FM antenna. *FM Sensitivity:* 3 μ v IHFM. *Hum and Noise:* -80 db. *Distortion:* 1% @ 30 watts. With case. 5 $\frac{1}{2}$ x14 $\frac{1}{2}$ x12 $\frac{3}{4}$ ". Output impedances: 4, 8, 16 ohms. For 105-120 v., 60 cycle AC. Shpg. wt., 35 lbs.

72 SU 485-J. \$15 Monthly NET 299.50

72 SU 486-J. Model 602MA FM Multiplex Receiver. As above, but less AM section. Shpg. wt., 30 lbs. \$13 Monthly NET 249.50

72 SU 487-J. Model 610. Same as Model 602SA above, but has 24-watt amplifier. 24 lbs. \$10 Monthly NET 199.50

72 SU 488-J. Model 230 24-Watt Amplifier Only. In case. 5x11 $\frac{1}{2}$ x9 $\frac{3}{4}$ ". Shpg. wt., 20 lbs. \$5 Monthly NET 89.50



240

240 30-WATT STEREO AMPLIFIER

Net

\$134⁵⁰

With Case

- Outstanding Sound and Flexibility
- Automatic Shutoff with Garrard Changers
- "Simpli-Matic" Test Panel for Output Tube Balancing Without Meters

You get a wealth of features with this marvelous 30-watt stereophonic amplifier. Provides thrilling, distortion-free stereo reproduction. Special center-channel connection can be used with 3rd speaker for "Stereo-Plus Curtain of Sound" or extension use. Total of 13 controls and switches give you maximum flexibility of operation. 5 pairs of inputs accommodate all signal sources—stereo or monophonic. *Frequency Response:* 20-20,000 cps, \pm 1 db. *Harmonic Distortion:* 1% at full output. *Sensitivity for Full Output:* Phono, 3 mv; Tuner, Multiplex, Tape, 110 mv. *Hum and Noise:* -80 db. Highly attractive, black and brass styling. Supplied complete with case. Size, 5 $\frac{1}{2}$ x14 $\frac{1}{2}$ x11 $\frac{3}{4}$ ". Output Impedances: 4, 8, 16 ohms. For 105-120 v., 60 cycle AC. Shpg. wt., 23 lbs.

72 SU 489-J. \$7 Monthly NET 134.50



654M

NEW 654M STEREO MULTIPLEX FM RECEIVER

Deluxe receiver delivers 30 watts per channel for output of 60-watts, and has an excellent stereo FM tuner section. Advanced-design, balanced time-division multiplex provides maximum channel separation. Wide-band circuitry assures clear reception of FM broadcasts. *FM Sensitivity:* 3 μ v IHFM. Complete set of controls and inputs for stereo music systems. *Amplifier Response:* 10-50,000 cps, +5 db, -1.0 db. *Hum and Noise:* -80 db. *Distortion:* 0.5% or less. Black and gold brass case. 5 $\frac{1}{2}$ x14 $\frac{1}{2}$ x12 $\frac{3}{4}$ ". Imp.: 4, 8, 16 ohms. For 105-120 v., 60 cycle AC. 34 lbs.

72 SU 491-J. \$17 Monthly NET 329.50



280B

280B STEREO MULTIPLEX FM TUNER

An outstanding value in an economy-priced stereo FM tuner with advanced circuit refinements. Features: Pilot's balanced time-division multiplex circuit for channel separation of 30 db; high-gain IF tubes; high sensitivity, low-noise triode RF amplifier; and wide-band, minimum distortion design for excellent stereo or regular FM reception. *Sensitivity:* 4 μ v IHFM. Also has: drift-free tuning, line cord antenna, terminals for external 72 or 300 ohm antennas. Black with gold panel. Case, 3 $\frac{1}{2}$ x9 $\frac{3}{4}$ x7 $\frac{1}{2}$ ". For 105-120 v., 60 cycle AC. Shpg. wt., 12 lbs.

72 SU 492-J. \$6 Monthly NET 99.95



285

285 AM-FM STEREO MULTIPLEX TUNER

An ideal addition to any home music system, this fine tuner provides all the refinements and features necessary for outstanding reception of AM, FM and stereo multiplex broadcasts. *FM Sensitivity:* 4 μ v IHFM. *Harmonic Distortion:* 1% at 100% modulation. Multiplex section provides better than 30 db channel separation on stereo broadcasts. Also includes: tuning eye; stereo indicator light; built-in AM and FM antennas; inputs for 300-ohm and 72-ohm external antennas. Compact size 5 $\frac{1}{2}$ x14 $\frac{1}{2}$ x9 $\frac{3}{4}$ ". With case. For 110-120 v., 60 cycle AC. Shpg. wt., 18 lbs.

72 SU 495-J. \$8 Monthly NET 159.50

FM MULTIPLEX ADAPTERS

MODEL 200. Automatically switches to stereo during multiplex transmission. Has stereo indicator light; black and brass case. 5x14x3". For 110-120 v., 60 cycle AC. Wt., 8 lbs.

72 SU 493-J. \$5 Monthly NET 79.50

72 SX 494-J. MODEL 100. Not illius. Non-automatic version of above. 5x12x3". Wt., 3 lbs. \$5 Monthly NET 49.50



For Thrilling Sound

RP60 STEREO MULTIPLEX FM-AM RECEIVER

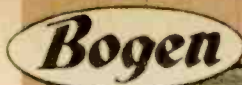
Just add a pair of speaker systems to this fine stereo tuner-amplifier combination, and you'll have a complete broadcast music system—one capable of bringing you sparkling AM, FM and FM stereo broadcasts in their full frequency range. Add a record player and/or a tape program deck, and have a home music system utilizing all available sources. FM section has 2.5 μ IHFM sensitivity. Features "time division" type multiplex circuitry and "stereo minder" indicator light. Amplifier has 60-watt IHFM output (30 watts per channel). Unit includes tuning eye indicator, headphone jack for stereo listening, switch to cut off speakers, built-in AM and FM antennas, rumble and scratch filters, etc. Output imp.: 4, 8, 16 ohms. $5\frac{1}{2} \times 15\frac{1}{4} \times 15"$. Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 35 lbs.

72 SU 500-J. \$15 Monthly.....NET 299.95

72 SU 501-J. RPF60 Stereo Multiplex FM Receiver. Same as above, but less AM section. $5\frac{1}{2} \times 15\frac{1}{4} \times 15"$. Wt., 30 lbs.... 279.95

72 SX 502. EN7 Metal Case for above. Wt., 6 lbs.....NET 12.95

72 SX 503. WE7 Wood Case. Walnut finish. Wt., 7 lbs.... 27.95



RP60

Net
\$299.95
Less Case

- Ideal, Complete Stereo Control Center for a Top-Quality Home Music System
- Includes a 60-Watt Stereo Amplifier and an AM-FM-MX Tuner on a Single Chassis

AP30 30-WATT STEREO AMPLIFIER

Ideal for economy music systems, this budget-priced stereo amplifier delivers a solid 30 watts of IHFM power output (15 watts per channel) for outstanding stereo music reproduction. Response: ± 1 db, 20-20,000 cps. Harmonic Distortion: 0.6% at rated output. Hum and Noise: -55 db for magnetic and tape head input; -70 db for tuner and aux inputs. Features 4 position programming selector plus volume, balance, bass, treble and loudness controls. Unique blend control permits easy adjustment of channel separation—eliminates "hole-in-middle" effect. Unit also includes rumble filter, stereo reverse switch and tape recording output jack. Output imp.: 4, 8, 16 ohms. $4\frac{3}{4} \times 15 \times 11\frac{1}{4}"$. Less case, below. For 110-120 v., 50-60 cycle AC. Wt., 16 lbs.

72 SU 504-J. \$5 Monthly.....NET 99.95

72 SX 507. EN9 Metal Case for above. Shpg. wt., 6 lbs.....NET 11.95

AP250 50-WATT STEREO AMPLIFIER

Offering plenty of reserve power, this versatile stereo amplifier also incorporates an array of other fine features to assure superb reproduction of stereo and monophonic program material. Has total IHFM output of 50 watts (25 watts per channel). Frequency Response: ± 1 db, 20-20,000 cps. Distortion: 0.6% at rated output. Hum and Noise: -60 db for magnetic cartridge and tape head inputs; -75 db for tuner and aux. inputs. Features blend control and "blend position" indicator light for easy adjustment of channel separation and elimination of "hole-in-middle" effect. Other features: jack for stereo headphone listening; switch to cut off speakers; center channel output; tape recording output. Has 4-position programming selector, mode switch, volume, balance and coax bass and treble controls. Also includes rumble filter, loudness control, tape monitoring jack, etc. $4\frac{3}{4} \times 15 \times 11\frac{1}{4}"$. 4, 8, 16 ohms. For 110-120 v., 50-60 cycle AC. Less case, below, 20 lbs.

72 SU 506-J. \$8 Monthly.....NET 154.95

72 SX 507. EN9 Metal Case for above. Wt., 6 lbs.....NET 11.95

TP250 STEREO MULTIPLEX FM TUNER

Enjoy the amazing fidelity of thrilling stereo FM broadcasts with this fine tuner. Its outstanding sensitivity of 0.85 μ v for 20 db quieting assures clear, crisp reception of both regular FM and FM multiplex stations, near and far. Hum and Noise: -60 db below 100% modulation. Harmonic Distortion: 0.5% of rated output. "Stereo minder" indicator shows when stations are "stereo-casting." Unit also includes tuning eye, AFC, built-in antenna and terminal connections for an external antenna of either 75 or 300 ohms. Has tuning control; AFC, mode and power switches. With attractive, gold panel. $4\frac{3}{4} \times 12\frac{1}{2} \times 10"$. Less case, below. For 110-120 v., 50-60 cycle AC. Wt., 16 lbs.

72 SU 508-J. \$8 Monthly.....NET 159.95

72 SX 509. EN8 Metal Case for above. Shpg. wt., 6 lbs.....NET 11.95



AP30



AP250



TP250

PX-60 FM MULTIPLEX ADAPTER



Specifically designed for use with previously manufactured Bogen FM tuners and receivers equipped with a multiplex jack. Simple plug-in connections with cables supplied—no tools required! Complete with textured metal case. $4\frac{1}{2} \times 4\frac{1}{2} \times 9"$. For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 4 lbs. \$5 Monthly.

72 SU 510-J.....NET 59.95

Garrard

1/¢

SALE...

SAVE!
UP TO \$46.49



Garrard Type "A"

Turntable-Changer With the Deluxe Features of Both

Type "A" Only	With Cartridge
\$79⁵⁰	\$79⁵¹

TYPE "A" AUTOMATIC TURNTABLE AND CARTRIDGE

Garrard's luxury record changer. Combines the smooth operation and dependability of the professional turntable with the convenience of a 4-speed changer. Handles records gently and efficiently. Features a dynamically balanced, 6 lb. cast turntable that is rotated with extreme accuracy regardless of load or voltage changes by a laboratory balanced motor. Plays at 16 $\frac{3}{4}$, 33 $\frac{1}{3}$, 45 and 78 rpm. Additional features: separate manual and automatic switches; pusher-type mechanism for maximum protection of records; precision pickup arm counterweighted for accurate tracking, with built-in stylus pressure gauge; rubber pad for damping noise and vibration. Specially designed mount permits installation without tools. Size, 16x13 $\frac{1}{2}$ ". Requires 2 $\frac{1}{2}$ " below, and 6" above motor board for mounting. With interchangeable spindles; less automatic 45-rpm spindle and wood base (see facing page for listings). For 110-130 volts, 60 cycle AC. 19 lbs. \$5 Monthly.

- 20 RX 362-2-J.** Type "A" and Choice of Cartridge **BOTH ONLY 79.51**
73 RX 052-J. Type "A" Turntable Only **NET 79.50**

FOR 1c MORE THAN THE PRICE OF A CHANGER YOU GET ONE OF THESE CARTRIDGES



Empire 880



Pickering U38AT



Shure M3D Cartridge



Knight KN-505X

PURCHASED SEPARATELY

- EMPIRE 880 CARTRIDGE.** Has .0007" diamond stylus. Shpg. wt., 3 oz.
73 RC 902-J. **NET 42.50**
- SHURE M3D CARTRIDGE.** Has .0007" diamond stylus. Shpg. wt., 3 oz.
73 RC 900-J. **NET 44.10**
- PICKERING U38AT CARTRIDGE.** .0007" diamond stylus. Shpg. wt., 3 oz.
73 RC 901-J. **NET 46.50**
- KNIGHT KN-505X CARTRIDGE.** .0006" diamond stylus. Shpg. wt., 3 oz.
95 RC 806-J. **NET 39.95**

AN ALLIED SUPER VALUE

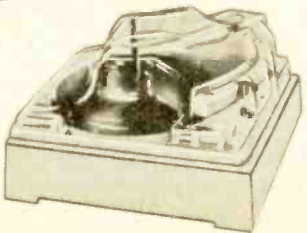
When purchased separately, the cartridges above cost up to \$46.50. Save up to \$46.49—when you buy a Garrard changer.



Styled in Rich Walnut—Look Well Anywhere



Has Roll-Up Tambour Door



Dust Cover to Protect Changer

Table-Top Cabinet For Changers

GARRARD DUST COVER AND CHANGER CABINET

- MOLDED VINYL DUST COVER.** This lightweight, easy-to-clean cover gives invaluable protection to your record changer, keeping it free from harmful dust and lint. Attractive, transparent vinyl cover slips over changer in seconds. Molded to fit specific Garrard changers—not interchangeable. 1 $\frac{1}{2}$ lbs.
73 RX 069-J. DC-3. Fits Type "A" Turntable. **NET 4.95**
73 RX 070-J. DC-4. Fits AT6 Changer. **NET 4.95**
73 RX 071-J. DC-5. Fits Autoslim/P Changer. **NET 4.95**

- TABLE-TOP CHANGER CABINET.** Handsomely styled cabinet finished in walnut, allows you to place your changer anywhere. Gives you convenient access plus a decorative addition to your furnishings. Also protects changer from dust. Sturdily constructed of stain and scuff-resistant formica, with rich walnut finish. Functional design permits playing records with tambour door open or closed. With mounting board cut to accommodate changer to be installed. Size, 10 $\frac{1}{4}$ x10x15 $\frac{1}{2}$ ". Wt. 15 lbs.
73 RX 064-J. TM-1. For Type A and 88 Series. **NET 34.50**
73 RX 065-J. TM-2. For 210, AT-6 and Autoslim/P. **NET 34.50**
73 RX 068-J. TM-3. For Any Other Garrard Model or Unit Made by Another Manufacturer. Supplied with blank mounting board that accepts most changers or turntables. **NET 34.50**

Buy a Garrard Record Changer and Get
A Cartridge for 1c More

Garrard

Outstanding Cartridges
At Spectacular Savings

Choose From Four
Great Cartridges
Priced Up to
\$46.50 When Pur-
chased Separately

SAVE!
UP TO \$46.49



The New Model Autoslim/P: Offer-
ing Better Performance Than Ever.

Model
AT-6
Economy-Priced
Automatic Turn-
table. Offers
Changer
Convenience

AT-6 Only	With Cartridge
\$54⁵⁰	\$54⁵¹

Gives Expensive
Performance at
An Inexpensive
Price—Pleases
The Budget, Ear
and Eye.

Autoslim/P Only	With Cartridge
\$39⁵⁰	\$39⁵¹

AT-6 AUTOMATIC TURNTABLE AND CARTRIDGE

For those who want turntable precision and changer convenience in a space-saving, moderately priced unit, the AT-6 is the logical choice. Accurately plays all four speeds: 16 $\frac{1}{2}$, 33 $\frac{1}{2}$, 45 and 78 rpm. Garrard's smooth-operating changer mechanism assures quiet, gentle handling of records. Oversized turntable rotates precisely at the designated speed—regardless of load or voltage change. Interchangeable spindles are furnished—long spindle for automatic playing; short spindle for manual play. Dynamically counterbalanced tubular pickup arm tracks with precision; has adjustable counterweight. Gram scale built into arm permits setting exact tracking weight. 4-pole motor; has separate controls for manual and automatic operation. Handsomely styled. Size, 4 $\frac{1}{2}$ x15 $\frac{1}{2}$ x13". For mounting, requires 2 $\frac{1}{2}$ " below motor board and 1 $\frac{1}{2}$ " to right and rear of arm. Less 45-rpm automatic spindle and wood base (see below). For operation from 110-130 volts, 60 cycle AC. Shpg. wt., 12 lbs. \$5 Monthly.

- 20 RX 363-2-J. AT6 and Choice of Cartridge **54.51**
73 RX 053-J. AT-6 Turntable Only NET 54.50

AUTOSLIM/P CHANGER AND CARTRIDGE

New in looks and new in performance, the Autoslim/P features a new turntable-type tubular pickup arm with plug-in head that tracks with remarkable precision. Intermixes all records of the same speed regardless of size. Additional features: separate manual and automatic controls; quiet, efficient center changing mechanism that assures gentle record handling; 4-pole shaded motor that rotates the rubber-matted turntable at exactly 16 $\frac{1}{2}$, 33 $\frac{1}{2}$, 45 and 78 rpm. Has pickup arm clip that locks arm securely in rest position. Compact, and exceptionally functional, the Autoslim/P is only 6 $\frac{1}{2}$ " high—fine for limited space installations. Spring mounts provide isolation from external shock and vibrations. Overall size, 6 $\frac{1}{2}$ " high, 13 $\frac{1}{2}$ " wide, and 12 $\frac{1}{2}$ " deep. For mounting, requires 4 $\frac{1}{2}$ " above, and 2 $\frac{1}{2}$ " below, motor board. Neat trim styling throughout. Less 45-rpm automatic spindle and wood base (see listings below). For 110-130 volts, 60 cycle AC. Shpg. wt., 9 lbs. \$5 Monthly.

- 20 RX 364-2-J. Autoslim/P and Choice of Cartridge **39.51**
73 RX 054-J. Autoslim/P Changer Only NET 39.50

QUALITY ACCESSORIES FOR YOUR GARRARD CHANGER

UNFINISHED MOUNTING BOARDS. Specially cut and drilled for custom installation of Garrard units. 1 $\frac{1}{2}$ lbs.

- 73 RX 059. For Type "A" NET 1.50
73 RX 060. For AT-6 and Autoslim/P NET 1.50

RA-7 RECORD ADAPTER FOR TYPE "A." Clips to pusher platform for 7", 33 $\frac{1}{2}$ rpm small-hole records. 1 $\frac{1}{2}$ lbs.

- 73 R 082. NET 1.50

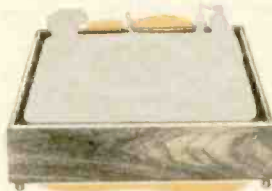
45-RPM SPINDLE ADAPTERS. Av. wt., 10 oz.

- 73 R 083. For Type "A" NET 3.80
73 R 084. For AT-6 NET 3.80
73 R 085. For Autoslim/P NET 3.80

PLUG-IN HEADS. Accept all standard cartridges. 6 oz.

- 73 R 080. For Type "A" NET 1.50
73 R 081. For AT-6, Autoslim/P NET 1.50

WOOD BASES SPECIALLY
DESIGNED TO ACCEPT
GARRARD CHANGERS



- Easy to Install
- Handsome Finishes
- For Shelf or Table

Bases are designed to accept specific Garrard changers. Available in solid walnut only. Shpg. wt., 4 lbs.

- 73 RX 056C. For Type "A." NET 4.49
73 RX 057C. For AT-6; Autoslim/P NET 4.49

Allied Guarantees Satisfaction or Your Money Back

Ensign Supreme



ADMIRAL

4-SPEED HIGH-FIDELITY
RECORD CHANGERS

Designed to Meet Allied Specs

Net
\$29⁹⁵
\$5 monthly

- Has Heavy, Constant-Speed Turntable
- Includes Built-in Record Brush
- With Sonotone Stereo Cartridge
- Built-In Leveling Indicator

The Ensign Supreme—a record changer offering every kind of deluxe feature, yet selling at an extremely low price. With it, you enjoy an extraordinary combination of economy and quality. The arm and controls are in gleaming muted gold that contrasts pleasingly with the changer's deep-tone brown finish. The record-changing mechanism functions smoothly and quietly. Turntable rotates accurately at 33 $\frac{1}{3}$, 45, 78 and 16 $\frac{2}{3}$ rpm, while the arm—with pressure adjustment—tracks flawlessly. Built-in automatic shutoff after last record. Sonotone turnover stereo cartridge has diamond stylus for LP's and sapphire for 78's. Record brush attached to arm keeps records free of dust particles. A bubble level indicator built into the changer indicates proper leveling, assuring longer record life and high-fidelity quality. 13x12". Requires 3" below and 4" above mounting board. Less wood base and 45 rpm spindle, below. For 105-120 volts, 60 cycle AC. Shpg. wt., 10 lbs.

- 73 RX 050-J. \$5 Monthly..... **NET 29.95**
 73 RX 062C. Wood Base. Specify choice of mahogany, limed oak, or walnut. Shpg. wt., 4 lbs..... **NET 4.49**
 73 RX 063. Unfinished Mounting Board. Wt., 1 $\frac{1}{2}$ lbs..... **NET 1.50**
 73 R 076. 45-RPM Automatic Spindle. Wt., 10 oz..... **NET 1.69**

Ensign 701



Net
\$19⁹⁵
\$5 monthly

- One Knob Controls All Functions
- Has Ceramic Stereo Cartridge
- Shuts Off Automatically
- Intermixes 10" and 12" Discs

Low-cost stereo record changer that performs like a deluxe model. Has lightweight arm, heavy turntable and balanced 2-pole motor—handles records gently and quietly. Plays records at 4 speeds: 33 $\frac{1}{3}$, 45, 78 and 16 $\frac{2}{3}$ rpm. Includes ceramic turnover stereo cartridge and dual sapphire needles. Plays 10-12" 12-10" or 7" records, and automatically shuts itself off after the last record has played. Ribbed turntable cushion protects records. Excitingly styled in dawn gray, black and silver. Size, 13 $\frac{1}{2}$ x12". Requires 3" below and 4" above mounting board. Less wood base and 45-rpm automatic spindle, listed below. For operation from 105-120 volts, 60 cycles AC. Shpg. wt., 10 lbs.

- 73 RX 051-J. \$5 Monthly..... **NET 19.95**
 73 RX 062C. Wood Base. Specify mahogany, limed oak or walnut. Wt., 4 lbs..... **NET 4.49**
 73 RX 063. Unfinished Mtg. Board. 1 $\frac{1}{2}$ lbs..... **1.50**
 73 R 076. 45-RPM Spindle. 10 lbs..... **NET 1.69**

Plays All
4 Speeds;
Automatic
Shut-Off



Net
\$27³⁹
\$5 monthly

WEBCOR MODEL 1041-50 STEREO DISKCHANGER

Smooth 4-speed changer for 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 and 78 rpm. Ceramic turnover stereo cartridge with sapphire needles. Features: 2-pole motor; extra-long turntable bearing; automatic shut-off; 8" turntable. Intermixes 10" and 12" records. "Rumble ribs" prevent rumble. Adjusts for stylus pressure. Beige and brown finish. Mounting space: 14 $\frac{1}{16}$ " wide, 13 $\frac{1}{2}$ " deep; 5 $\frac{1}{2}$ " above and 4" below mounting board. With two 36" connector cables. Less base, below. For 110-120 v., 60 cycle AC. Wt., 10 $\frac{1}{2}$ lbs.

73 RX 072-J..... **NET 27.39**

MODEL 1041-51 DISKCHANGER. As above, but has .0007" diamond stylus and .003" sapphire stylus. Wt., 10 $\frac{1}{2}$ lbs.

73 RX 073-J. \$5 Monthly..... **NET 30.83**

73 RX 074. Base for 1041 Changers. Brown. 4 lbs..... **NET 5.68**

PRE-CUT MOUNTING BOARD. Unfinished. 15 $\frac{1}{2}$ x13 $\frac{1}{4}$ x $\frac{1}{2}$ ". 3 lb. 73 RX 075..... **NET 1.96**

73 R 078. 45-RPM Spindle Adapter. Wt., 8 oz..... **NET 2.94**

73 R 077. 45-RPM Inserts. Pkg. of 10. 6 oz..... **NET 46c**

Manual Player and Cartridge Offers



SHURE M7D
SAVE \$14.52

Player with M7D
Cartridge installed.
Shpg. wt., 13 lbs.
20 DX 228-2J.
..... **NET 29.95**



SONOTONE 9TA
SAVE \$4.47

Player with 9TA
Cartridge installed.
Shpg. wt., 13 lbs.
20 DX 229-2J.
..... **NET 27.95**

Includes Ultra-Reliable Four-Speed Garrard Mechanism



This extraordinary low-cost manual player, containing a precision-built Garrard mechanism with 4-pole motor, is an Allied exclusive. Plays 4 speeds; has automatic start and stop. Just move pickup arm to start its quiet, smooth operation—automatically shuts off after playing record. Size 14 $\frac{1}{2}$ x12 $\frac{1}{2}$ ". Requires 3" above and 2 $\frac{1}{16}$ " below mounting board. With universal plug-in head for all standard cartridges; line cord with plug; and output cables. Less base, below and cartridge (see combination offer above). For 110-120 v., 60 cycle AC. Wt., 13 lbs.

73 RX 055-J. \$5 Monthly..... **NET 22.95**

WOOD BASE. Specify mahogany, Blonde or walnut. 4 lbs.

73 RX 058C..... **NET 4.49**

73 RX 061. Mtg. Board. Unfinished. 1 $\frac{1}{2}$ lbs..... **NET 1.50**

73 RX 079. Extra Plug-In Head. Wt., 3 oz..... **NET 1.50**

Fine Stereo Balanced Components

Deluxe Turntables and Arms For Stereo Listening

empire

**NO
LARGER
THAN A
RECORD
CHANGER!**

Net
\$150⁰⁰
Less Base



"TROUBADORS"



Net
\$175⁰⁰
\$9 monthly

MODEL 488G TURNTABLE AND ARM COMBINATION

A professional turntable and arm finished in luxurious satin gold, and no larger than an average-size record changer—a royal feast for eyes and ears! The 488G Troubador plays records at 33 $\frac{1}{3}$, 45 and 78 rpm. Includes these outstanding components: Model 408G Turntable; Model 980G Arm (described below); plus shielded output cables. Turntable construction virtually eliminates rumble, and assures exact rotational speed. Has 5-lb. fully-balanced aluminum turntable, pushbutton power control, safety suspension mat and 45-rpm adapter. Seamless belt couples constant-speed hysteresis-synchronous motor to the turntable. *Rumble*, better than -65 db. *Wow and Flutter*, less than .07%. Supplied completely assembled; less cartridge and base. Compact size, only 7 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x13 $\frac{1}{2}$ ". Requires 2 $\frac{1}{2}$ " above mounting board and 3 $\frac{1}{2}$ " below. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 25 lbs.

73 RU 086-J. \$8 Monthly. NET 150.00

73 RU 087-J. Model 498G. As above, mounted on attractive walnut base. Shpg. wt., 29 lbs. **\$9 Monthly. NET 165.00**

MODEL 488C TURNTABLE-ARM COMBINATION. Same as Model 488G, but finished in brilliant satin chrome. Shpg. wt., 25 lbs.

73 RU 088-J. \$8 Monthly. NET 150.00

73 RU 089-J. 498C. As above, plus walnut base. 29 lbs. **NET 165.00**

73 RX 090. 488DC Dust Cover. For above turntables. 2 lbs. **NET 7.50**

73 RU 091. BW/408 Walnut Base. For 488G or 488C. 4 lbs. **NET 15.00**

MODEL 398G COMBINATION

This superb turntable, arm and base combination, in rich satin-gold, enhances the sound of any deluxe music system. Plays 3 speeds: 33 $\frac{1}{3}$, 45 and 78 rpm. Consists of: 208G Turntable with walnut base; 980G Arm (described below); phono input cables. Turntable features: belt drive; balanced hysteresis motor; motor isolation suspension; 6-lb. aluminum platter. Assembled; less cartridge. 7 $\frac{1}{2}$ "x17x15". For 110-120 v., 60 cycle AC. Wt., 25 lbs.

73 RU 092-J. \$9 Monthly. . . NET 175.00

73 RU 093-J. 398G. As above, but less base. Wt., 21 lbs. **NET 160.00**

73 RU 094-J. 398C. Same as 398G (with base) but finished in satin chrome. **175.00**

73 RU 095-J. 398C. As above, but less base. Wt., 21 lbs. **NET 160.00**

73 RU 096. Walnut base. 4 lbs. **15.00**

73 RX 097. Dust Cover. 2 lbs. **7.50**

DELUXE 980G PICKUP ARM

Presenting a splendid new professional arm featuring perfect dynamic balance—even tracks upside down! Maximum tracking error is $\pm .650$; arm resonance, 8 cps. Pressure control can be set from 0-8 grams. With overhang adjustment. Satin gold finish. Less cartridge. 5 lbs.

73 RX 098-J. \$5 Monthly. . . . NET 50.00

980C. TRANSCRIPTION ARM. As above, but in attractive satin chrome finish.

73 RX 099-J. \$5 Monthly. . . . NET 50.00

73 R 100. Extra Cartridge Mtg. 3 oz. **1.95**

EMPIRE REPLACEMENT STYLI

Replacement diamond styli for Empire Cartridges. .0007" tip for stereo; .0027" tip for 78 RPM records. Wt., 2 oz.

Stock No.	Type	For	Tip	NET
73 RC 906	S880-7RD	880	.0007"	17.50
73 RC 907	S880-3RD	880	.0027"	22.50
73 RC 908	S880A-7RD	880P	.0007"	22.50
73 RC 909	S880A-3RD	880P	.0027"	27.50
73 RC 910	S88-7RD	88	.0007"	12.50
73 RC 911	S88-3RD	88	.0027"	16.50
73 RC 904	S108-7RD	108	.0007"	17.50
73 RC 905	S108-3RD	108	.0027"	21.50

SAVE 50% WITH ALLIED'S CARTRIDGE TRADE-IN OFFER

Get the new Empire 880 or 880P cartridge—and save 50% by trading in your old cartridge—any make or model. Just send your order at the trade-in price—we'll ship your new cartridge and tell you how to send your trade-in.

MODEL 880 CARTRIDGE

Features lower dynamic mass and higher compliance—virtually eliminates distortion, makes possible wider frequency response and channel separation better than 30 db. Recommended for use with record changers, use 880P, below, for turntables. Amazingly light "Dyna-Life" stylus (.0007" diamond) is coupled with newly engineered magnetic element. Response, 10-28,000 cps. Compliance, 15x 10-6 cm/dyne. Wt., 4 oz.

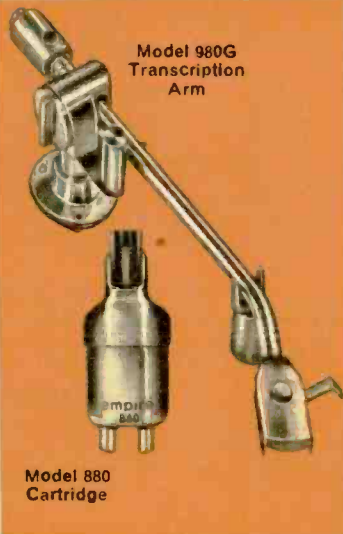
73 RC 902-J. \$5 Monthly. . . . NET 42.50

73 RC 902-J. With Trade-In. . . NET 21.25

73 RC 903-J. Model 880P. Deluxe model of above—recommended for turntable use.

6-30,000 cps. Compliance, 30x10-6 cm/dyne. 4 oz. **\$5 Monthly. . . . NET 47.50**

73 RC 903-J. With Trade-In. . . NET 23.75



Model 980G
Transcription
Arm

Model 880
Cartridge

Allied Guarantees Full Satisfaction, or Your Money Back



NET
\$89.95

Less Arm and Base



NET
\$59.95

Less Arm and Base

K-33H Kit
Easy to Build
Requires O
A Screwdriver

MODEL N-34H TWO-SPEED STEREO TABLE

Designed for beauty and versatility, this attractive 12" turntable plays records at 33 1/3 and 45 rpm. Features highly accurate rotational speed through a hysteresis-synchronous motor, permanently lubricated, with special winding to minimize coating. Aluminum turntable is ball-bearing suspended and rotates on micro-finish shaft—virtually noise-free operation. Unique "Rekothane" drive belt is adjustable to obtain optimum tension for noise-free operation. Noise level: 57 db below average recording level; wow and flutter, less than 0.15%. Turntable has ribbed rubber mat. Less base (below) and arm (listed on facing page). Requires 4 1/2" clearance below motor board. 12 1/2"x19". For 110-120 volts, 60 cycle AC. Shpg. wt., 17 lbs.

73 RX 008-J. \$5 Monthly.NET 89.95

73 RX 009-J. BN Walnut Base. Wt., 8 lbs.NET 14.95

K-33H SINGLE-SPEED STEREO TABLE KIT

An easy-to-build professional-type turntable—requires only a screwdriver to assemble. Similar to the N-34H (at left), but plays at 33 1/3 rpm only. Noise level: 57 db below average recording level. Wow and flutter: less than 0.15%. Size, 16x17 1/4". Requires 4 1/2" clearance below motor board and 3" above. Less walnut base (listed below) and arm (listed on facing page). For 110-120 volts, 60 cycle AC. Shpg. wt., 15 lbs.

73 RX 010-J. \$5 Monthly.NET 59.95

MODEL K-34H. Same as above, but plays two speeds: 33 1/3 and 45 rpm. Shpg. wt., 16 lbs.

73 RX 011-J. \$5 Monthly.NET 69.95

MODEL KB WALNUT BASE. For above turntables. 8 lbs.

73 RX 012.NET 14.95



Plays at
Three Speeds

MODEL B-12H 3-SPEED STEREO TABLE

Expertly engineered to meet the professional specifications of the broadcast studio and dedicated audiophile, the B-12H plays records at 33 1/3, 45 and 78 rpm. Features massive, custom-built hysteresis motor for unparalleled rotation accuracy under heavy-duty, continuous operating conditions. Heavy turntable cast from special aluminum alloys, carefully selected for resonance-damping qualities. Noise level: 57 db below average recording level; wow and flutter, less than 0.12%. Idler disengages in off position. With ribbed rubber turntable mat, built-in 45 rpm adapter, and neon indicator light. 17 1/2"x16". Requires 6 1/2" below motor board for clearance. Less base (listed below) and arm (on facing page). For 110-120 volts, 60 cycle AC. Shpg. wt., 20 lbs.

73 RU 013-J. \$8 Monthly.NET 149.95

MODEL B-12GH. As above, but with standard hysteresis synchronous motor for home use. Requires 4 3/4" below deck. Shpg. wt., 18 lbs.

73 RU 014-J. \$6 Monthly.NET 109.95

73 RX 015. BW-1 Walnut Base. 8 lbs.16.95

Compact Design—
Little Larger
Than A
Changer

Net
\$79.95



Single Speed
33 1/3-rpm
Turntable

Less Arm and Base

SPACE-SAVING RONDINE II PRECISION TURNTABLE

MODEL R TURNTABLE ONLY. A professional turntable meeting precision specifications, yet only a little larger in size than a record changer. In view, the Model R makes an attractive furnishing—or, if desired, easily hides away. Has permanently lubricated hysteresis-synchronous motor that rotates with phenomenal accuracy at 33 1/3 rpm. "Rekothane" drive belt adjusts for desirable tension and minimum noise. Solid aluminum turntable with rubber mat. Noise level, 57 db below average recording level. Wow and flutter, less than 0.15%. Compact size: only 14 1/2"x14 1/2". Requires 3 1/2" above the motor board and 4 1/2" below. For 110-120 v., 60 cycle AC. Wt., 17 lbs.

73 RU 016-J. \$5 Monthly.NET 79.95

R-320A TURNTABLE WITH AUTOMATIC PICKUP ARM. Consists of Model R Turntable and AP-320 Automatic Pickup Arm (described on facing page) factory-installed. Gives excellent protection to records and cartridge. Less base (below) and cartridge. 20 lbs.

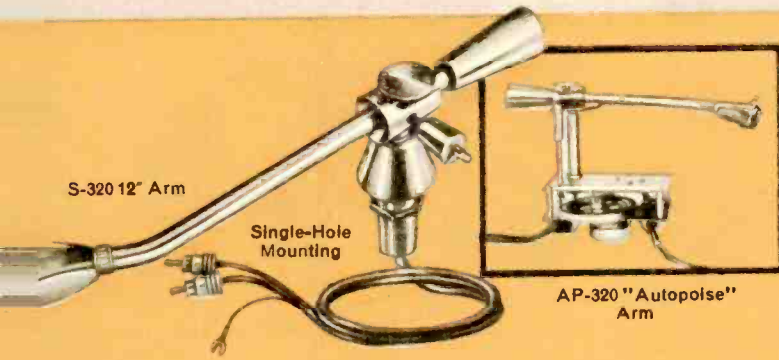
73 RX 017-J. \$9 Monthly.NET 169.95

R-320 TURNTABLE WITH MANUAL PICKUP ARM. Consists of Model R Turntable with S-320 Manual Pickup Arm (described on facing page) factory-installed. Less base (below) and cartridge. Wt., 20 lbs.

73 RX 018-J. \$7 Monthly.NET 129.95

WALNUT BASE. For above turntables. Shpg. wt., 4 lbs.

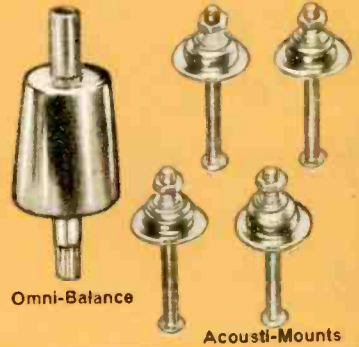
73 RX 019.NET 14.95



S-320 12" Arm

Single-Hole Mounting

AP-320 "Autopoise" Arm



Omni-Balance

Acousti-Mounts

PROFESSIONAL MANUAL AUTOMATIC PICKUP ARMS

MODEL S-320 12" MANUAL PICKUP ARM. Uses exclusive Omni-Balance for correct lateral balance under all conditions with any cartridge, any record and at any speed. Includes isolated counter-weight for static balance, micro-adjustment for perfect tracking pressure, plug-in cartridge shell and shielded, pre-wired cables for minimum hum and easy installation. Less cartridge. Wt., 2½ lbs.
73 RX 020-J. \$5 Monthly. NET 34.95

AP-320 AUTOMATIC PICKUP ARM. As above, but with exclusive "Autopoise" converter that protects records and cartridge. Press button and turntable starts, arm lifts and sets precisely in groove at correct lateral balance. When record has

been played, arm retracts to rest position and turntable shuts off. With "omni-balance" counterweight, micro-adjustment and plug-in shell. Less cartridge. Wt., 4½ lbs.
73 RX 021-J. \$5 Monthly. NET 74.95

APK "AUTOPOISE" AUTOMATIC CONVERTER ONLY. Less Arm. Use with S-320, S-220 and S-210 arms. 2 lbs.
73 R 022. \$5 Monthly. NET 49.95

MS-260 16" STUDIO PICKUP ARM. Same as S-320, less Omni-Balance. 3 lbs.
73 RX 023-J. \$5 Monthly. NET 36.95

PS-20L CARTRIDGE SHELL. 6 oz.
73 R 024. NET 5.95

OMNI-BALANCE AND ACOUSTI-MOUNTS

MODEL OB-1 OMNI-BALANCE. An exclusive development that assures exact lateral balance at all times. Improves stereo channel balance—stops groove jumping. Works with any Rek-O-Kut arm not already equipped with it. Easy to install—tool furnished with kit. 5 oz.
73 R 025. NET 2.95

MODEL AF-1 ACOUSTI-MOUNTS. An excellent accessory for custom-installed Stereotables. Reduces acoustic feedback drastically by isolating Stereotables from sources of external noise. Install in minutes with only a screwdriver. Made of soft rubber. 4 per package. 2 lbs.
73 R 026. NET PER PKG. 3.50

THORENS

Finest Swiss Craftmanship



TD-124
TD-121

MODEL TD-124 TURNTABLE



TD-135

TD-135 TURNTABLE AND ARM

A smooth-operating professional turntable with variable speed adjustment (±3%). Has 12", 11½-lb. aluminum-covered turntable and belt-plus-idler arrangement to isolate turntable. Also features: disengagement of idler; built-in lighted strobe and leveler. Less base and mtg. board (below) and arm. 15½x12¼". Requires 2¾" below base plate (supplied). For 110-120 or 200-250 v., 50-60 cycle AC. 32 lbs.
73 RX 027-J. \$6 Monthly. NET 110.00

TD-121 TURNTABLE. As above but single-speed (33⅓ rpm). 8-lb. table. Belt and idler drive isolates turntable from motor vibration. Shpg. wt., 28 lbs.
73 RX 028-J. \$5 Monthly. NET 85.00

A superior 4-speed manual player that automatically shuts off. Uses same drive as the TD-124 (at left) and has 8-lb. non-magnetic turntable. Includes adjustable speed control and professional pickup arm. Base plate, 15x12". Requires 2½" below mtg. board. Less base and mtg. board (below) and cartridge. For 110-120 or 200-250 v., 50-60 cycle AC. Wt., 35 lbs.
73 RX 029-J. \$6 Monthly. NET 110.00

TD-111 33⅓ TURNTABLE. (Not illus.). Has 12" turntable and isolated motor. Adjustable speed. Less arm, base and mtg. board. Needs 3½" below board. For 110-120 v., 60 cycle AC. Wt., 17 lbs.
73 RX 030-J. \$5 Monthly. NET 60.00

BOGEN-PRESTO



MODEL B-61 VARIABLE SPEED TURNTABLE AND ARM

Net \$59.95

- Allows Perfect "Pitch-Tuning"
- Accepts Records Up to 16"
- Has 4-Pole Motor

A fine custom-crafted Swiss product. Offers continually variable speeds from 29 to 86 rpm, with settings for 16⅔, 33⅓, 45 and 78 rpm speeds. Rubber covered 7¾-lb. zinc-alloy 12" turntable; smooth-running 4-pole motor; gentle-action arm with micrometer-type gauge for extremely precise stylus pressure adjustment. Arm is raised by linkage to minimize record wear. Size, 15½x13¼"; requires 2½" above and 2½" below mounting board. Less base (listed below) and cartridge. For 110-120 v., 60 cycle AC. Wt., 18 lbs.
73 RU 037-J. \$5 Monthly. NET 59.95

WOOD BASE. Walnut. Wt., 5 lbs.
73 RX 038. NET 5.25

ALUMINUM PLUG-IN HEAD. For mono-phonics or stereo cartridge. 6 oz.
73 R 039. NET 4.00

THORENS TURNTABLE BASES and MOUNTING BOARDS

Stock No.	For	Description	Wt.	NET
73 RX 031C	TD-124, TD-121	Wood base Mahogany or Walnut	5 lbs.	10.00
73 RX 032C	TD-111	Wood base Mahogany or Walnut	5 lbs.	10.00
73 RX 033C	TD-135	Wood base Mahogany or Walnut	5 lbs.	7.00
73 RX 034	TD-124, TD-121	Unfinished mounting board	3 lbs.	4.50
73 RX 035	TD-135	Unfinished mounting board	3 lbs.	4.50
73 RX 036	TD-111	Unfinished mounting board	3 lbs.	4.50

SHURE

Professional Arms and Cartridges

M7D



SAVE 50%

M3D



When You Trade In Your Old Cartridge

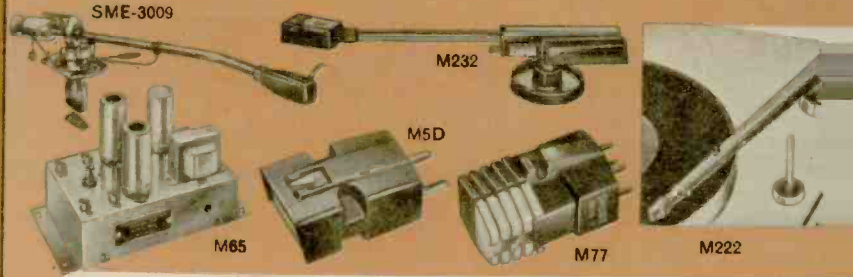
TRADE-IN OFFER

Get the M7D (N7D) or M3D (N3D) cartridge and save 50% by trading in your old cartridge—any model. Send your order at the trade-in price—we'll ship your new cartridge and tell you how to send your trade-in.

MODEL M7D DYNETIC STEREO CARTRIDGE WITH N7D STYLUS. User-replaceable .0007" diamond stylus. Response: 20-20,000 cps. Separation: 20 db @ 1000 cps. Compliance: 3.5x10⁻⁶ cm./dyne. Tracks at 4-7 gms. 3 oz.
73 RC 913-J. Cartridge Only. NET 23.52
73 RC 913-J. With Trade-In, ONLY .11.76

MODEL M3D STEREO DYNETIC CARTRIDGE WITH N3D STYLUS. User-replaceable .0007" diamond stylus. Response: ±3 db, 20-15,000 cps. Channel Separation: 20 db @ 1000 cps. Compliance: 4.0x10⁻⁶ cm./dyne. Tracks at 3-6 gms. Shpg. wt., 3 oz.
73 RC 900-J. Cartridge Only. NET 44.10
73 RC 900-J. With Trade-In, ONLY .22.05

MODEL M3D "PROFESSIONAL" CARTRIDGE WITH N21D STYLUS. As above, tracks at 2 1/2 gms max. 3 oz.
73 RC 914-J. NET 46.30



M7D "CUSTOM" DYNETIC CARTRIDGE WITH N21D STYLUS. User-replaceable .0007" diamond stylus. Response: 20-20,000 cps. Compliance: 9.0x10⁻⁶ cm./dyne. Std. mtg. 3 oz.
73 RC 915. \$5 Monthly. NET 36.01

M65 STEREO PREAMP. Converts ceramic inputs to magnetic. 6 1/4 x 3 1/4 x 3 1/4". For 115 v. AC. 2 lbs.
73 R 102. \$5 Monthly. NET 23.52

73 R 103. M61-1. Similar to above, but transistorized. 2x5 1/4 x 5". For 110-120 v., 60 cycle AC. 1 lb. NET 27.50

73 R 104. M61-3. As above, battery operated. With battery. 1 lb. NET 26.50

M5D MONO CARTRIDGE. User-replaceable .001" dia. stylus. Response: 20-20,000 cps. Compliance: 3x10⁻⁶ cm./dyne. 2-6 gram tracking. 3 oz.
73 RC 916. \$5 Monthly. NET 26.95

M77 STEREO CARTRIDGE. User-replaceable .0007" diamond stylus. Response: 20-17,000 cps. Compliance: 6.0x10⁻⁶ cm./dyne. Tracks 3-6 grams. 2 oz.
73 RC 917. \$5 Monthly. NET 26.95

73 RC 918. M33-7 "Professional Dynetic" Cartridge. As above, has 20-20,000 cps response. Tracks at 1-3 grams. 35.77

73 RC 919. M33-5 "Professional Dynetic" Cartridge. As above, has .0005" stylus tip for cleaner highs. NET 35.77

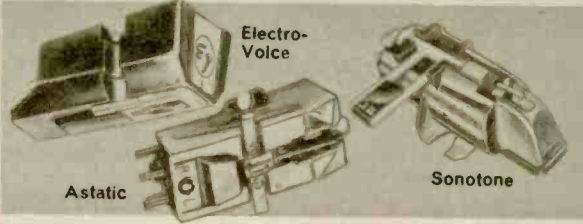
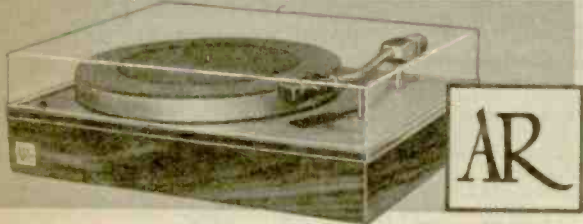
M232 12" PICKUP ARM. Ball-bearing pivots, plug-in head, variable height. Adjustable 0-8 gram tracking. 12 1/4" long. Less cartridge. 2 lbs.
73 RX 105. \$5 Monthly. NET 29.35
73 RX 106. M236 16" Arm. 2 1/4 lbs. 31.31
73 R 107. A23H Extra Head. 4 oz. 2.35

SME-3009 12" ARM. Deluxe arm takes any cartridge. Adjustable 1/4-6 gram tracking. Ball and knife-edge bearings, cue lever. Less cartridge. 1 1/2 lbs.
73 RC 108. \$5 Monthly. NET 89.50
73 RX 109. SME-3012. 16" Arm. As above, Less cartridge. 1 1/4 lbs. 99.50

M222 STEREO DYNETIC ARM AND CARTRIDGE. Tracks at only 1/2 gram. Response: ±2 1/2 db, 20-20,000 cps. Separation: over 20 db at 1000 cps. Compliance: 22x10⁻⁶ cm./dyne. Model M222 Stereo Cartridge and with .0005" dia. stylus. 1 lb.
73 RX 110. \$5 Monthly. NET 89.50
73 RX 114. M226 Arm And Cartridge. As above, 16" arm. 1 1/4 lbs. 89.50

DIAMOND REPLACEMENT STYLI. .0007" except *.0005". Wt., 2 oz.

Stock No.	Type	For	EACH
73 RC 920	N3D	M3D	22.05
73 RC 921	M5D	M5D	16.17
73 RC 922	N7D	M7D	11.76
73 RC 923	N21D	M3D, 7D, 212, 216	24.25
73 RC 924	N33-5*	M33-5, 222; SME-3012	19.50
73 RC 925	N33-7	M33-7	19.50
73 RC 926	N77	M77	10.50
73 RC 927	N22D	M222, SME-3012	24.75



NEW! AR 33 1/2-RPM TURNTABLE ENSEMBLE

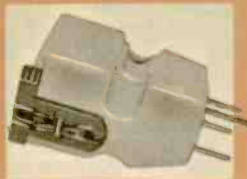
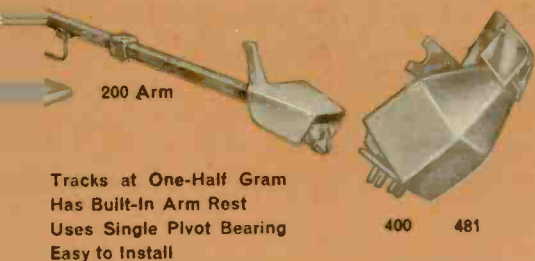
Now from Acoustic Research, a completely integrated record playing ensemble that features a precision 33 1/2 rpm turntable and a 12" pickup arm mounted on a handsome oiled walnut base, even includes cables and transparent dust cover. Features a machined and individually-balanced 3.5 lb. aluminum turntable platter that is belt-driven from synchronous motors. Turntable is shock-mounted from top plate. Meets NAB specs for wow, flutter, rumble and speed accuracy. Shock-mounted 12" pickup arm has damping mechanism that protects both record and needle if arm is accidentally dropped. Disengages when needle touches the record. Also has built-in stylus pressure gauge. Plug-in head has over-hang adjustment device—you can use it with any cartridge. Size (with cover), 5 1/2 x 16 1/2 x 12 1/2". Less cartridge. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 18 lbs.
73 RX 115-J. \$5 Monthly. NET 58.00

FAMOUS CERAMIC STEREO CARTRIDGES

31 MD-7 has built-in equalizer for magnetic inputs. Others with external equalizer for ceramic or magnetic inputs.
73 RC 928. E-V 31MD-7. Tracking force: 2-6 grams. Response: ±2 db, 20-15,000 cps. Separation: 28 db. .0007" diamond stylus. 3 oz. \$5 Monthly. NET 23.52
73 RC 929. D7-7 Replacement Stylus. 3 oz. NET 4.95
73 RC 930. New Astatic 45D. Needs 1 gram tracking force. Response: 20-20,000 cps. Separation: 35 db. .0007" diamond stylus. 4 oz. List, \$44.50. \$5 Monthly. NET 26.70
73 RC 932. Sonotone 9TASD-V. Response: 20-17,000 cps. .0007" diamond stylus. Shpg. wt., 3 oz. List, \$19.25. NET 11.55
73 RC 933. N-9TSD Replacement Stylus. 2 oz. NET 2.94

Suit Every Audio Need and Taste

Pickering



200 Arm
Tracks at One-Half Gram
Has Built-In Arm Rest
Uses Single Pivot Bearing
Easy to Install

Stereo 90

400 481

**SAVE
50%**

When You
Trade In
Your Old
Cartridge

U38AT

380C

TRADE-IN OFFER

Get the U38AT or 380C—and save 50% by trading in your old cartridge—any make or model. Order at the trade-in price now—we'll ship your new cartridge then tell you how to send your trade-in.

STANTON MODEL 200 UNIPOISE ARM.

New design based upon exclusive single pivot bearing permits tracking from 1/4 to 2 grams. Calibrated stylus force adjustment easily adjusts arm balance in all planes. No soldering to install—requires only single hole. Overall size, 11 1/4". With color coded leads and template. Less cartridge. Wt., 2 lbs.

73 RX 116. \$5 Monthly.....NET 36.00

604 STANTON KABLEKIT. Converts manual players and automatic changers to stereo. No soldering. 3 oz.

73 R 117.....NET 3.98

STANTON 481A STEREO CARTRIDGE.

For those who want top-quality professional pickup, the 481A is the answer. Developed as a laboratory standard, it gives accurate, reliable measurements for channel calibration. *Frequency Response:* 20-10,000 cps, ±1 db; 20-17,000 cps, ±2 db. *Channel Separation:* 35 db. *Output:* 0.8 mv. *Tracking Force:* 2-4 grams. For use in manual pickup arms only. With stylus and hardware. 2 oz.

73 RC 934. \$5 Monthly.....NET 48.00

MODEL 481AA. As above, but for arms that can track 1/4-2 1/2 grams. *Output:* 0.6 mv. Shpg. wt., 2 oz.

73 RC 935. \$5 Monthly.....NET 49.50

MODEL 481E. Same as 481A, but has two styli: .001" for LP and .0027 for 78's.

73 RC 936. \$5 Monthly.....NET 60.00

STANTON 400C STEREO CARTRIDGE.

A new professional stereo phono cartridge utilizing the famous Fluxvalve principle—adaptable to demanding broadcast applications or deluxe home music systems. *Frequency Response:* 20 to 20,000 cps. *Channel Separation* 35 db. *Output:* 2.6 mv. *Tracking Force:* 4-7 grams. For use in record changers. Complete with stylus, instructions and mounting hardware for easy installation. Shpg. wt., 2 oz.

73 RC 937. \$5 Monthly.....NET 33.00

MODEL 400A. As above, but for pickup arm that can track 2-5 grams.

73 RC 938. \$5 Monthly.....NET 39.00

MODEL 400AA. As above, but for pickup arm that can track 1/4-2 1/2 grams.

73 RC 939. \$5 Monthly.....NET 40.50

DIAMOND REPLACEMENT STYLI

Stock No.	Mfr's Type	For	NET EACH
73 RC 940	D-4005AA†	400, 481	19.50
73 RC 941	D-4007A	400, 481	18.00
73 RC 942	D-4007C	400, 481	12.00
73 RC 943	D-3807AT	380, U38AT	16.00
73 RC 944	D-3805AA†	380, U38AT	17.50
73 RC 959	D-3807C	380, U38AT	10.00
73 RC 960	D-3807A	380, U38AT	16.00
73 RC 961	D-9007	90	7.50
73 RC 962	D-3707C	90, 371	10.00
73 RC 963	D-3510*	370	15.00

U38AT STEREO CARTRIDGE.

For use with automatic turntables. Excellent shielding, high output. *Response:* 20-17,000 cps. *Separation:* 35 db. *Output:* 2 mv. *Tracking Force:* 2-5 grams. 2 oz.

73 RC 901-J. Cartridge Only. NET 46.50

73 RC 901-J. With Trade-In, ONLY 23.25

380C STEREO CARTRIDGE.

Hermetically sealed and fully encapsulated. For record changers. *Response:* 20-15,000 cps. *Separation:* 35 db. *Output:* 2.5 mv. *Tracking Force:* 4-7 grams. 2 oz.

73 RC 945-J. Cartridge Only. NET 29.85

73 RC 945-J. With Trade-In, ONLY 14.92

MODEL 380A.

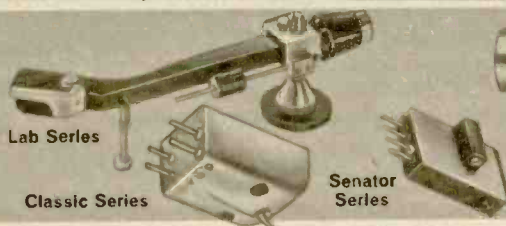
As above, but for turntables. *Tracking Force:* 2-5 grams.

73 RC 946. \$5 Monthly.....NET 34.50

STEREO 90, Top quality cartridge.

Response: 20-12,000 cps. *Separation:* 20 db. *Output:* 1.3 mv. *Tracking:* 4-7 g. 2 oz.

73 RC 947.....NET 16.50



GRADO LAB SERIES 12" PICKUP ARM. One piece, balanced gun stock walnut with precision aluminum fittings. *Tracking Error:* 0.8%. *Tracking Force Adjustment:* to 0.1 gram. Less cartridge, below. Has Four leads. Wt., 1 1/4 lbs.

73 RX 118. \$5 Monthly.....NET 39.50

GRADO LAB SERIES STEREO CARTRIDGE. Meets lab standards. *Response:* 10-30,000 cps. *Separation:* 30 db. *Output:* 6 mv, Shpg. wt., 3 oz.

73 RC 948. \$5 Monthly.....NET 49.50

GRADO CLASSIC SERIES CARTRIDGE. Same as Lab Series above, but has frequency response of 15 to 28,000 cps.

73 RC 949. \$5 Monthly.....NET 37.50

GRADO SENATOR SERIES STEREO CARTRIDGE. Economy in price—quality in performance. *Response:* 18 to 24,000 cps. *Channel Separation:* 20 db. *Output:* 9 mv. 2 oz.

73 RC 953. \$5 Monthly.....NET 24.95

ADC MODEL 40 PRITCHARD PICKUP ARM. Dynamically balanced, the "40" tracks precisely at 1/4 gram. Features friction-free single ball-bearing mount and built-in arm rest. Arm is made of walnut wood. Less cartridge, below. Wt., 1 1/4 lbs.

73 RX 133. \$5 Monthly.....NET 44.50

73 RC 954. ADCS40 Plug-in Head for above. 2 oz.....NET 6.95

73 RX 132. ADC-85. Above arm with ADC-1 Cartridge. Shpg. wt., 1 1/4 lbs.....**89.50**

ADC-1 STEREO CARTRIDGE. Precision engineered. Use with professional pickup arms. Tracks at less than 1 gram. High compliance. *Response:* 10-20,000 cps. *Channel Separation:* 30 db. *Output:* 7 mv. *Tracking Force:* .75-1.5 grams. 8 oz.

73 RC 955. \$5 Monthly.....NET 49.50

73 RC 956. ADC-2. As above, but for changers.....**NET 37.50**

73 RC 957. ADC-1. Stylus assembly for ADC-1.2 oz.....**NET 25.00**

73 RC 958. ADC-R2. Stylus assembly for ADC-2.2 oz. **NET 15.00**

Trade In Your Old Cartridge And Save

Electro-Voice Wolverine Component

VALUE PACKED LT12 12" 3-WAY HI-FI SPEAKER

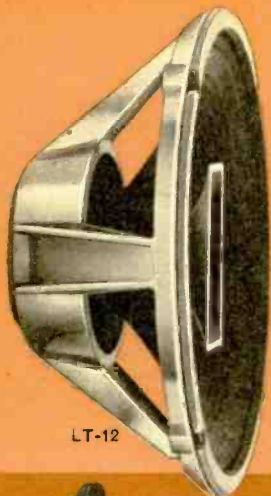
Net
\$3136

\$5 monthly

- True 3-Way Design—12" Woofer, Radax Coaxial Cone, Sonophase VHF Horn-Type Tweeter
- Exclusive Indox Ceramic Magnet—Cast Frame
- Built-In Crossovers—40-18,000 Cps Response

The value-packed LT12 incorporates the latest refinements from the E-V laboratories. It offers extended bass response from a 12" woofer cone, outstanding clarity from the exclusive Radax mid-range cone, and pleasing treble through the use of an integral Sonophase VHF horn-type tweeter. Other exclusive features: a patented, 12-ounce ceramic "Indox" magnet that is comparable to heavier magnets of conventional design; 2½" edgewise-wound ribbon-type voice coil; and a rigid die-cast frame. These deluxe features make the LT12 an exceptional speaker buy. Response: 40-18,000 cps—with low distortion. Mechanical and electrical crossovers at 2000 and 3500 cps, respectively. Brilliance control adjusts tweeter output-level. Total flux, 72,500 maxwells. Capacity, 20 watts. Impedance, 8 ohms. Depth, 6". 15 lbs.

71 DX 120-J. \$5 Monthly..... NET 31.36



LT-12

FAMOUS LS12 DUAL-CONE 12" SPEAKER

Low-cost 12" high-fidelity speaker that's ideal for moderately priced stereo music systems where full-range reproduction is desired. The LS12 is also acoustically perfect for use in the Electro-Voice "Marquis" and "Aristocrat" enclosures shown elsewhere in this section.

The LS12 utilizes many of the superior features of the LT12 above, plus a dual-cone design that provides an unusually clean response of 40 to 13,000 cps. The tough one-piece woofer cone has a resonant frequency of 65 cps, for powerful yet boom-free bass. Unlike many speakers in this price class, the LS12 has a heavy-duty frame that guarantees permanent centering of all elements for a lifetime of distortion-free sound. All internal parts are precision-ground to jewel-like accuracy.

Low-silhouette frame even permits mounting in wall or ceiling. Total flux, 70,700 maxwells. Power capacity, 20 watts. Impedance, 16 ohms. Mechanical crossover at 4500 cps. Depth, only 3¾". Shpg. wt., 6 lbs.

71 DX 121-J. \$5 Monthly..... NET 20.58



LS-15



LS-8



LS-12

LS15—E-V's LOWEST-COST 15" SPEAKER

A beautifully performing, deluxe version of the LS12 above, this popular 15" speaker delivers powerful, stirring bass all the way down to 35 cps. Quality features include: a heavy-duty die-cast frame for precise alignment of critical parts; Radax mid-range cone for a 13,000 cps treble response; plus an edgewise-wound voice coil of precision-flattened ribbon conductor for 18% greater efficiency—the equivalent of up to 5 extra watts of input power! Total flux, 89,000 maxwells. Cone resonance, 50 cps. Capacity, 20 watts. Mechanical crossover at 4500 cps. Impedance, 8 ohms. Depth, 6"½". Shpg. wt., 12 lbs.

71 DX 123-J. \$5 Monthly..... NET 25.97

LS8 WIDE-RANGE DUAL-CONE 8" SPEAKER

A favorite 8" speaker for low-cost music systems, and a splendid choice where larger speakers cannot be accommodated. Built to the same high standards as the 12" and 15" units above, the LS8 boasts a highly authentic 55 to 13,000 cps response. Has: long-throw voice-coil for surprisingly powerful bass; Radax mid-range cone; heavy-duty die-cast frame; high-efficiency edgewise-wound voice coil; and low-silhouette design for easy custom mounting. Total flux, 70,700 maxwells. Cone resonance, 75 cps. Power capacity, 20 watts. Mechanical crossover at 6000 cps. Impedance, 8 ohms. Depth, 3½". Shpg. wt., 5 lbs.

71 D 124-J..... NET 19.11

MODEL HF1 HIGH-FREQUENCY STEP-UP KIT

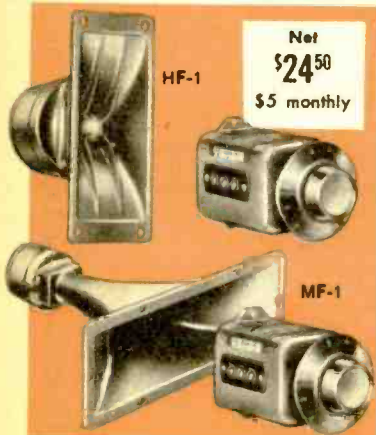
Add these top-quality high-frequency components to any 8", 12" or 15" woofer to obtain a moderate-cost two-way speaker system that extends treble response to the limits of the audio spectrum. Also can be used in conjunction with the MF1 mid-range kit, below, to form a 3-way system. Kit includes: Model TW35 wide-angle horn-type tweeter; Model CR35 3500-cycle L-C crossover network with level control; wiring; hardware; easy-to-follow instructions. (E-V's "Marquis" and "Aristocrat" enclosures even have special cut-outs to further simplify installation.) Tweeter response is crystal-clear from 3500 to 18,000 cps. Tweeter dispersion, 180°. Power capacity, 50 watts. Impedance, 8 ohms. Tweeter, 5¼"x2½"; crossover, 3¼"x3x2½". Shpg. wt., 3 lbs.

71 D 128-J. \$5 Monthly..... NET 24.50

MODEL MF1 MID-FREQUENCY STEP-UP KIT

A package of first-rate mid-range components for making up a 3-way speaker system—assures improved "presence" for natural true-to-life sound quality. Kit includes: Model MR10 treble driver; Model CR10 L-C crossover network with level control; wiring; hardware; and easy installation instructions. Provides extremely smooth reproduction between 1000 and 15,000 cps; spreads mid-range notes evenly throughout the listening area—horizontal dispersion is 180°. Power capacity, 50 watts. Impedance, 8 ohms. Horn size, 4" long by 10¼" wide; crossover, 3¼"x3x2½". Shpg. wt., 5 lbs.

71 DX 129-J. \$5 Monthly..... NET 28.42



eluxe Speakers by *Electro-Voice*

"RADAX" COAXIAL HI-FI SPEAKERS

SP12 DELUXE 12" SPEAKER

top-performing 12" coaxial speaker for high-quality music systems. Features include: powerful 3-lb. Alnico V magnet; specially treated woofer cone for extended-range bass; Radax-type high-frequency radiator. Smooth response from -13,000 cps. Total flux, 193,000 maxwells. Resonance, 35-45 cps. Crossover, 800 cps. Capacity, 25 watts. Impedance, 16 ohms. Depth, 7 1/2". 25 lbs.
DU 130-J. \$5 Monthly.....NET 68.60

SP15 DELUXE 15" SPEAKER

superb 15" coaxial speaker offering superb reproduction down to 30 cps, and clean highs to 13,000 cps. Has 4 1/2-lb. ceramic magnet. Flux, 248,000 maxwells. Resonance, 25-35 cps. 30 watts. 16 ohms. 9" deep. Shpg. wt., 31 lbs.
DU 132-J. \$5 Monthly.....NET 93.10

SP15B. Similar to above, but 1 1/2-lb. ceramic magnet. 35-13,000 cps. 16 ohms. 3 1/2" deep. Shpg. wt., 14 lbs.
DX 133-J. \$5 Monthly.....NET 45.08

SP12B ECONOMY 12" SPEAKER

Moderately priced full-range coaxial speaker with a high-efficiency 1 1/2-lb. ceramic magnet. Has the same Radax mid-range cone as the SP12, at left, for treble extending to 13,000 cps; bass response descends to 40 cps. Has built-in mechanical crossover at 4500 cps. Total flux, 79,600 maxwells. Cone resonance, 40-50 cps. Capacity, 20 watts. Impedance, 16 ohms. Depth, 6 3/4". 12 lbs.
71 DX 131-J. \$5 Monthly.....NET 36.85

SP8B DELUXE 8" SPEAKER

E-V's finest 8" speaker. Boasts the same basic design as the 12" units above, for full-range sound in limited-space applications. Exclusive Radax principle and a double-flux 1 1/2-lb. ceramic magnet give a rich and full-throated 45 to 13,000 cps output. Total flux, 79,600 maxwells. Cone resonance, 50-65 cps. 6000-cps crossover. Capacity, 20 watts. Impedance, 16 ohms. 4 1/2" deep. 8 1/2 lbs.
71 D 134-J. \$5 Monthly.....NET 31.36

TRX 3-WAY HI-FI SPEAKERS

15TRXB 15" SPEAKER

Choose this 15" speaker for magnificent 3-way performance in one compact, budget-sparing assembly. Combines an SP15B woofer and mid-range radiator with a T35B VHF driver for a 35-18,000 cps response. Mechanical and electrical crossovers at 2000 and 3500 cps, respectively; has tweeter "brilliance" control. Flux, 79,600 maxwells. Resonance, 35-45 cps. 30 watts. 16 ohms. 7 1/2" deep. 17 lbs.
71 DX 135-J. \$5 Monthly.....NET 83.30

12TRXB 12" SPEAKER

A fine buy in a 3-way speaker for the critical listener. Three-in-one design gives flawless 35-15,000 cps range with excellent dispersion of treble notes. Employs the SP15B woofer and T35B VHF driver. Total flux, 79,600 maxwells. Cone resonance, 40-50 cps. Crossovers at 2000 and 4500 cps; tweeter level-control. 20 watts. Impedance, 16 ohms. Depth, 6 1/4". Shpg. wt., 14 lbs.
71 DX 137-J. \$5 Monthly.....NET 68.60

DELUXE 15TRX 15" SPEAKER

E-V's best 15" 3-way speaker. A deluxe version of the 15TRXB above, this speaker boasts the SP15 woofer assembly, plus a T35 VHF driver, X36 L-C crossover and AT37 tweeter-level control. 30-19,000 cps response. 248,000 maxwells. 4 1/2-lb. magnet. Resonance, 25-35 cps. 30 watts. 16 ohms. 9 1/2" deep. Shpg. wt., 33 lbs.
71 DU 136-J. \$8 Monthly.....NET 151.90

DELUXE 12TRX 12" SPEAKER

Premium-quality version of above. Consists of SP12 woofer, integral T35 VHF driver, X36 crossover and AT37 tweeter-level control. Response is a dazzling 35-19,000 cps. Total flux, 193,000 maxwells. Mechanical crossover at 4000 cps. Capacity, 25 watts. Impedance, 16 ohms. Depth, 6 1/4". Shpg. wt., 27 lbs.
71 DU 138-J. \$7 Monthly.....NET 127.40

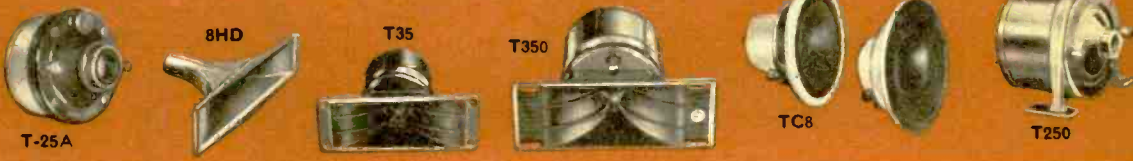


Net \$36.85
\$5 monthly

Net \$68.60
\$5 monthly

12TRXB
15TRX
15TRXB
12TRX

TWEETERS, DRIVERS, WOOFERS, and ACCESSORIES



71 D 139-J. T25A MID-RANGE DRIVER. 700-3800 cps. 1-lb. magnet. 30 watts. 16 ohms. 3 1/2"x4". Shpg. wt., 7 lbs. \$5 Monthly.....NET 49.00

71 D 140-J. T250 MID-RANGE DRIVER. 600-3800 cps. 3-lb. magnet. 50 watts. 16 ohms. 5 1/2"x8"x2 1/4". Shpg. wt., 14 1/2 lbs. \$5 Monthly.....NET 83.30

71 D 141-J. 8HD DIFFRACTION HORN. For units above. 15x4"x8". Shpg. wt., 4 lbs. \$5 Monthly.....NET 18.62

71 D 142-J. T35 VHF TWEETER. 19-kc response. 6.8 oz. magnet. 30 watts. 16 ohms. 5 1/2"x2" horn; 2 1/2" dia. pot. 3 1/2 lbs. \$5 Monthly.....NET 29.40

71 DX 143-J. T350 VHF TWEETER. 35-kc response. 1-lb. magnet. 50 watts. 16 ohms. 7 1/2"x2 1/2" horn; 3 1/2" dia. pot. 9 lbs. \$5 Monthly NET 63.70

71 D 144-J. TC8 CONE-TYPE TWEETER. 800 cps to 15 kc. 20 watts. 16 ohms. 5" dia.; 2 3/4" deep. Shpg. wt., 2 1/2 lbs. \$5 Monthly.....NET 24.50

71 D 145-J. TC35 CONE-TYPE TWEETER. 3500 cps to beyond audibility. 20 watts. 8 ohms. 5" dia.; 2 1/2" deep. 2 1/2 lbs. \$5 Monthly.....NET 24.50

71 D 146-J. AT37 TWEETER LEVEL-CONTROL. (Not illus.). "L"-pad type. Impedance, 16 ohms. Shpg. wt. 6 oz. \$5 Monthly.....NET 3.82

71 DU 147-J. 18W 18" WOOFER. (Not illus.). 20-800 cps. Resonance, 20-25 cps. 4 1/2-lb. ceramic magnet. 30 watts. 35 lbs. 16 ohms. NET 127.40

71 D 154-J. 30W 30" WOOFER. (Not illus.). 15-300 cps. Resonance, 15-25 cps. 9 1/2-lb. ceramic magnet. 100 watts. 16 ohms. 13 1/2" deep. 49 lbs. NET 220.50

CROSSOVER NETWORKS (Not illus.)
X8, 6 lbs. X36, 3 lbs. X1020, 11 lbs.

Stock No.	Type	Crossover (s)	For	NET
71 D 165-J	X8	800	T25A-1RW	33.32
71 D 168-J	X36	3500	T35	10.29
71 D 169-J	X1020	100-200	30W	49.00

Allied Guarantees Satisfaction or Your Money Back

Electro-Voice Top-Performing Shelf Speaker System

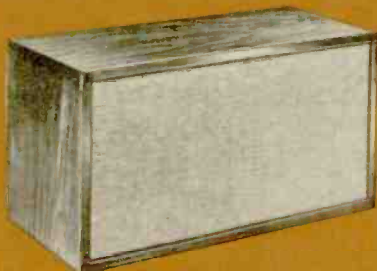


Esquire 200

As Low As

\$97⁰²

Unfinished Birch Kit



Leyton

Net

\$87¹¹

\$5 monthly



Regina 200

Net

\$87¹¹

\$5 monthly

PRINCESS 2-WAY SYSTEM

Net \$51⁹⁴



Newest and smallest 2-way speaker system in the Electro-Voice family of compacts. Includes unique 8x12" bass speaker with high-compliance suspension and long-throw voice coil, and 5" cone type tweeter. Woofer and tweeter are isolated to prevent interaction. Rigid frames assure unvarying performance. Beautifully finished in oiled walnut. Size, 10 $\frac{1}{2}$ "x19 $\frac{1}{2}$ "x8". Frequency range, 60 to 15,000 cps. Crossover, 2000 cps. Capacity, 20 watts. Impedance, 8 ohms. Shpg. wt., 15 lbs.
70 DU 696-J. \$5 Monthly...NET 51.94

A direct radiator acoustical phase inverter floor system consisting of: SP12B 12" woofer and XI crossover; TC8 treble driver; X37 crossover; T35 Super Sonax tweeter; two AT37 level controls. Frequency range, 40-19,000 cps. Size, 29 $\frac{1}{2}$ "x19"x15 $\frac{1}{2}$ ". In genuine mahogany or walnut veneer (specify choice). Capacity, 20 watts. Impedance, 8 ohms. Wt., 57 lbs.
70 DZ 136C-J. Specify Finish. NET 186.20
70 DU 140C-J. Marquis 63 Enclosure Only. Specify mahogany or oiled walnut finish. Wt., 27 lbs.NET 68.60

ESQUIRE 200 3-WAY SPEAKER SYSTEM KIT

Treat your ears to superb sound, flat over a wide frequency range of 40 to 18,000 cps; treat your eyes to simplicity in styling that complements any interior decoration. 10" woofer with 1 $\frac{1}{2}$ " ceramic magnet produces deep, natural bass notes; 5" cone-type speaker assures wide dispersion of smooth mid-range; very high frequency tweeter delivers sparkling high tones. Two crossover points for evenly distributed sound: at 800 cps for mid-range speaker; at 3500 cps for high-frequency compression driver. In a short time you can easily assemble kit—unfinished birch finishes beautifully in just the shade you want. Shelf size, measures only 14x25x13 $\frac{1}{2}$ ". Power handling capacity, 50 watts. Impedance 8 ohms. Shpg. wt., 50 lbs.

70 DZ 609-J. \$5 Monthly.....NET 97.0

FACTORY-ASSEMBLED. Same as above, but assembled and finished in striking oiled walnut or mahogany (specify which desired) on all four sides. Wt., 50 lbs. \$7 Monthly.

70 DU 267C-J. Specify Finish.....NET 133.3

LEYTON 2-WAY SPEAKER SYSTEM

A speaker system that offers space-saving compactness an excellent fidelity at moderate cost. Only 13 $\frac{1}{4}$ " high, 24 $\frac{1}{2}$ " wide and 12" deep—can be placed anywhere: on a bookshelf, record shelf, room divider, etc. Consists of: 10" woofer and 5" high frequency driver with level control—all sealed in an air-tight enclosure featuring $\frac{3}{4}$ " plywood construction throughout. Employs "air cushion" principle for distortion-free, low resonant bass reproduction. Finished in genuine mahogany or oiled walnut veneer (specify your choice). Frequency range, 50 to 16,000 cps. Power handling capacity, 25 watts; can handle peak to 50 watts. Requires amplifier rated at least 12 watts per channel. Impedance 8 ohms. Shpg. wt., 29 lbs.

70 DU 265C-J. \$5 Monthly.....NET 87.71

REGINA 200 SLIM 2-WAY SPEAKER SYSTEM

A slender shelf system designed for modern-style living. Less than 6" deep, it easily fits into the shape and styling of any room. The Regina 200 delivers impressive sound—full-bodied bass and mid-range, highs of great purity, and clarity—throughout its frequency range of 50 to 15,000 cps. Features a high compliance 10" woofer with 1.6-lb. ceramic magnet and long-throw voice coil for extended bass response. Has electrical crossover at 800 cps to the TC8 5" dynamic cone-type speaker, mounted in a totally isolated chamber to prevent inner action with rear wave pressure of the woofer. Finished expertly in eye-appealing oiled walnut veneer. 26 $\frac{3}{4}$ "x16 $\frac{1}{2}$ "x5 $\frac{1}{2}$ ". Power handling capacity, 20 watts. Impedance 8 ohms. Shpg. wt., 22 lbs.

70 DU 138-J. \$5 Monthly.....NET 87.71

MARQUIS 300 3-WAY SPEAKER SYSTEM

Net

\$186²⁰

\$10 monthly



Enclosure Kits and Speakers by *Electro-Voice*

MARQUIS KD-9 UNFINISHED SPEAKER ENCLOSURE KIT

Styled to make a becoming addition to your room's interior decoration, and expertly designed to enhance the sound of speaker components, the Marquis is an ever-popular easy-to-assemble enclosure. Employs proven bass reflex, folded-horn design for deep, natural low-frequency reproduction without need for corner placement. Accepts 12" speakers or 2 or 3-way systems without any modification. Easily assembled, you finish it to suit your taste. 29 $\frac{3}{4}$ "x19"x14 $\frac{1}{2}$ " deep. Less metal grille. 42 lbs.

70 DU 268-J. \$5 Monthly.....NET 37.24
70 DX 141. AK6 Metal Grille for Above. Wt., 3 lbs.....NET 5.39

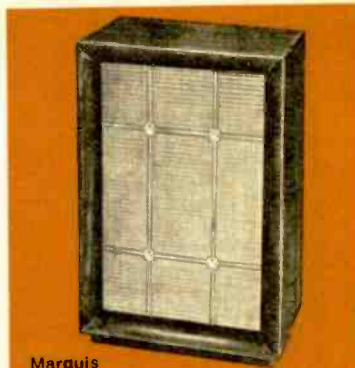
2 MARQUIS ENCLOSURE KITS WITH 2 LT-12 SPEAKERS

A great combination at a great double savings—you save by assembling the kits, and save again on the combination price. The LT-12 3-way high-fidelity speakers deliver smooth response of 40-18,000 cps. When placed in Marquis enclosure (described above) you have a superb stereo speaker system arrangement. Less grille (AK6, above). 130 lbs.

20 DZ 222-4J. 2 Marquis Kits and 2 LT-12's...NET 123.48



Save \$13.72 on this Combination Regularly Priced at \$137.20



Marquis

REGENCY KD-4 UNFINISHED SPEAKER ENCLOSURE KIT

A splendid enclosure kit based on engineering principles which dictate that more operative space is essential for enhanced reproduction of lowest bass. The Regency enclosure kit provides ample area for use of larger, more efficient 15" speakers or 2 and 3-way systems. Utilizes indirect horn-radiator principle to extend lows and enhance highs—increases speaker power handling capacity. Can be used in corner or flat against wall. Response down to 30 cps. Easy to assemble—and you finish it with ease to the exact shade that suits you best. Supplied with easy-to-follow instructions. Less crossbar metal grille (see below). Size, 30x32x17 $\frac{1}{2}$ ". Shpg. wt., 74 lbs.

70 DZ 142-J. \$5 Monthly.....NET 71.54
70 DX 143. AK5 Brass Grille for Above. 3 lbs.....NET 6.37



Save \$19.50 on this Combination Regularly Priced at \$195.02

2 REGENCY ENCLOSURE KITS WITH 2 LS-15 SPEAKERS

A fine combination specially selected for attractive exterior, quality stereo reproduction and savings. You save on the combination price and by assembling the enclosure kits (described above). LS-15 15" speakers deliver a smooth frequency range of 35 to 14,000 cps. You finish the kit to suit your taste. Less metal grille (above). 175 lbs.

20 DZ 366-4J. 2 Regency Kits and 2 LS-15's...NET 175.52



Regency

ARISTOCRAT KD-6 UNFINISHED SPEAKER ENCLOSURE KIT

A deluxe, space-saving, folded horn corner speaker enclosure—it's extremely easy to assemble and ready for you to finish in just the shade that pleases your taste. Utilizes walls of room as an extension to its built-in horn—extends bass range by one full octave for clean, clear reproduction of lowest notes without distortion. Accepts any 12" speaker. Can also accommodate components to make up 2 or 3-way systems. With grille cloth and instructions. Less grille (see AK6 below). 29 $\frac{3}{8}$ "x19"x15 $\frac{3}{8}$ ". 44 lbs.

70 DU 144-J. \$5 Monthly.....NET 41.16
70 DX 141. AK6 Metal Grille for Above. Wt., 3 lbs.....NET 5.39

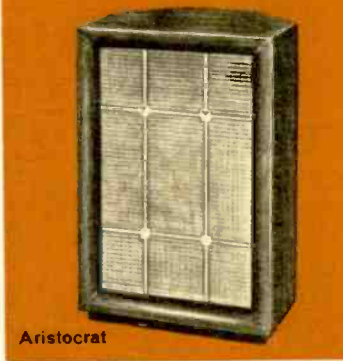


Save \$15.50 Components Regularly Priced at \$155.04

2 ARISTOCRAT ENCLOSURE KITS WITH 2 LT-12's

An outstanding sound and price value—two LT-12's deliver excellent sound over a frequency range of 40 to 18,000 cps in perfectly complementing enclosures; you save by assembling the kits (described above) and on the combination price. Less metal grille (listed above). Wt., 74 lbs.

20 DZ 365-4J. 2 Aristocrat Kits and 2 LT-12's...NET 139.54



Aristocrat

MID-RANGE AND HIGH-FREQUENCY COMPONENTS PACKAGES

Stock No.	Type	Description of Components	Wt. Lbs.	NET
71 D 113-J	BB1	For 2-way systems (LF and treble drivers), and coax speakers having 3-lb. magnets or greater. Includes T35 VHF driver, X36 crossover, AT37 level control, wiring harness.	5	44.10
71 DU 114-J	BB4	For existing LF drivers and coaxial speakers. Includes T25A driver, 8HD horn, X8 crossover, AT37 level control, wiring harness.	16	104.88
71 DU 115-J	BB5	Adds very high frequencies with wide dispersion. For systems having extended bass ranges. Includes T350 UHF driver, X36 crossover. AT37 level control, wiring harness.	13	77.42
71 DU 117-J	BB6	Adds very high frequencies. Used with deluxe, extended-bass systems. Includes T250 driver, 8HD horn, X8 crossover, AT37 level control, wiring harness.	25	139.16
71 DU 118-J	BB7	For mid-bass and treble frequencies from 200 to 10,000 cps. Ideal for use with 1 to 2-lb. magnet, full-range drivers and medium-efficiency systems. Plans for simple plywood horn extension provided. Includes TC35 driver, X36 crossover, AT37 level control, wiring harness.	14	38.71
71 DU 119-J	BB8	For mid-bass and treble frequencies from 200 to 10,000 cps. Ideal for use with deluxe full-range drivers having 3-lb. magnets or more and high-efficiency systems. Plans for simple plywood horn extension are provided. Includes TC8 driver, X8 crossover, AT37 level control, wiring harness.	15	61.74

Jensen Popular Series 3-P Speaker Systems



Net
\$97.50
\$5 monthly



The heart of each superb speaker system on this page is the exciting 3-P/K Component Kit. This masterpiece of acoustical design and craftsmanship, integrates 5 brilliant speakers into an ensemble producing truly magnificent high-fidelity sound.



Slender lines and fine performance are distinctive characteristics of all 3-P speaker systems. Provide great hi-fi sound.

Net
\$139.50
\$7 monthly

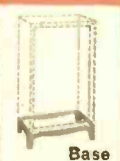
**3-P/2
SPEAKER SYSTEM**

An extraordinary speaker system, only 3 3/4" deep. Expert acoustical design and 5-speaker arrangement, deliver full-dimensional sound to thrill every listener. Can be hung neatly on the wall, or used as an attractive floor speaker. Response is 25 cps to inaudibility. Features 10" 3-P/W1 woofer with "Polytec" plane piston radiator; M-80 midrange speaker; 2—TW-40 tweeters; and the E-10 ultra-tweeter. The M-1473 crossover network and high-frequency balance control allow you to adjust highs to satisfy your personal listening taste. Skillfully crafted, selected walnut veneer cabinet has hand-rubbed oiled finish with modern, attractive rattan grille and oak trim strips. Power-handling capacity, 25 watts. Impedance, 8 ohms. Size: 28 3/4"x21 1/4"x3 3/4". Wt., 37 lbs.

70 DU 789. \$7 Monthly. NET 139.50



3-P/3



Base

Net **\$159.50** \$8 monthly

3-P/K SPEAKER COMPONENT KIT

The ultimate in high-fidelity is yours with this integrated group speakers. Use it with any Jensen enclosure specifically crafted complement the acoustical design, or in your own custom made enclosure. Kit consists of all components used in speaker systems on this page: 3-P/W1 10" woofer (only 2 1/2" deep) with plane piston radiator for response to 20 cps, power magnet and die-cast frame; M-80 8" mid-range speaker giv 600-4000 cps response; 2—TW-40 3 1/2" tweeters reaching to 10,000 cps; E-10 "Ultra-Tweeter" with dome radiator, carrying respon to inaudibility; M-1473 crossover with balance control. 25 watt Imp., 8 ohms. Has snap-on leads. Includes vent-tube and instructions for best performance. Wt., 21 lbs.

70 DU 794J. \$5 Monthly. NET 97.50

71 D 065. 3-P/W1 Woofer Only. 25 w. 16 ohms. 9 1/2 lbs. 39.

71 D 066. TW-22 Tweeter Only. 25 w. 16 ohms. 1 1/2 lbs. 9.



Net
\$119.50
\$6 monthly

3-P/1

MODEL 3-P/1 SPEAKER SYSTEM

A graceful shelf-type system with eye and ear appeal. Simplifies placement—use on a shelf, on the floor or hang on a wall. Only 5 1/4" deep, the 3-P/1 provides rich satisfying sound over an astonishing frequency range of 25 cps to inaudibility. 5-speaker design features: 10" 3-P/1 woofer; M-80 midrange speaker; 2—TW-40 tweeters; and the E-10 ultra-tweeter, furnishing high notes that soar beyond audibility. M-1473 crossover network and high frequency balance control let you shade highs to exactly suit your taste and the acoustic requirements of your room. Enclosure is of carefully selected hand-rubbed oiled walnut veneer. Features modern rattan grille and oak trim strips. Capacity, 25 watts. Impedance, 8 ohms. 13 1/4"x25x5 1/2". 33 lbs.

70 DU 790J. \$6 Monthly. NET 119.50

MODEL 3-P/3 SPEAKER SYSTEM

20 cps to beyond audibility. Has 10" 3-P/W1 woofer, M-80 mid-range speaker, 2—TW-40 tweeters, and the E-10 ultra-tweeter. Also employs the M-1473 crossover and high frequency control so that you can adjust the highs to suit your taste and the acoustics of your room. In beautiful hand-rubbed oiled-walnut finish—a perfect decorator unit. Size, 16 1/4"x25 1/2"x11 3/4". Power handling capacity, 25 watts. Impedance, 8 ohms. 52 lbs.

70 DZ 791J. \$8 Monthly. NET 159.50

3-P/3U SPEAKER SYSTEM. Above, but smooth-sanded—ready for finishing. 16 1/4"x25 1/2"x11 3/4". Wt., 52 lbs.

70 DZ 792-J. \$7 Monthly. NET 129.50

3-P/3 CONSOLETTA BASE. Matching walnut base for 3-P/3 systems above. 16 3/4"x10 1/2"x3 3/4". Shpg. wt., 2 lbs.

70 DX 793. NET 9.95

GET ALLIED'S SYSTEM PRICE

... on a music system consisting of components you select yourself, and including Jensen speakers. You'll be amazed at how much you save. List the system you want and write: HI-FI Manager, Allied Radio, 100 N. Western Ave., Chicago 80, Ill.

Popular, Shelf-Type Speaker Systems by Jensen



MODEL TR-10 SPEAKER SYSTEM

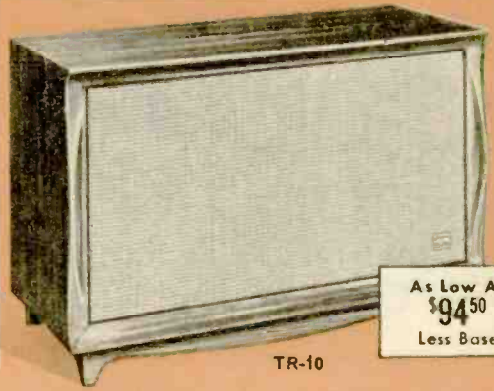
The famous Jensen "Tri-ette" system uses outstanding 3-speaker design that delivers clean, full-bodied sound from 25 to 15,000 cps. Finished on four sides, the 10 performs equally well on bookshelves or on floor. Has 12" xair" woofer, P8-UM 8" mid-range, RP-103B tweeter, A-645 cover and ST-946 balance control. 13 1/2x25x11 1/2". 30 watts. 16 is. Walnut finish. Less base. 40 lbs.

DU 135-J. \$6 Monthly. NET 119.50

DU 231-J. Model TR-10-U. As above, but unfinished. 40 lbs. Inished bases and stands not available. NET 94.50

DX 260. Walnut Table Base. 2" high. 2 lbs. NET 5.45

DX 788. Walnut Floor Stand. For above systems. Height of 1d, 14 1/2". Shpg. wt., 9 lbs. NET 12.95



As Low As
\$94.50
Less Base

TR-10



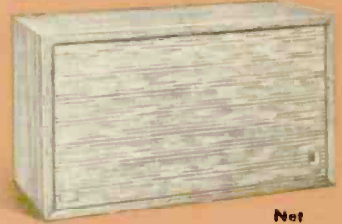
TF-3

As Low As
\$79.50
\$5 monthly



TR-9

Slim-Lined—
5 1/2" Deep
Net
\$89.95
\$5 monthly



TF-2U

Net
\$64.50
\$5 monthly

TF-3 SPEAKER SYSTEM

An economical, contemporary-styled 3-way shelf system in oiled walnut. Four speakers provide full-range realistic reproduction from 25 cps to inaudibility. Consists of: 10" "Flexair" woofer, 2—3 1/2" mid-range speakers and spherical tweeter. High-frequency control allows adjusting "highs" to suit your listening tastes and/or to compensate for room acoustics. Size, 13 1/2x23 1/2x11 1/2". Capacity, 25 watts. Impedance, 8 ohms. Shpg. wt., 38 lbs.

70 DU 675-J. \$5 Monthly. NET 99.50

70 DU 635-J. As above, unfinished. 79.50

TR-9 "SLIM-SHELF" SYSTEM

An extremely compact 3-speaker, 3-way system only 5 1/2" deep! The TR-9 is expertly designed and crafted to offer flexibility in placement, modern styling, and superb response from 30 cps to beyond audibility—with crossovers at 600 and 4000 cps. Features 10" "Flexair" woofer with heavy "Syntox 6" ceramic magnet; 8" mid-range speaker; and the E-10 "Sono-dome" super tweeter. Also has high-frequency control. Finished in hand-rubbed oiled walnut. 13 1/2x23 3/4x5 1/2". Capacity, 25 watts. Imp., 8 ohms. 25 lbs.

70 DU 136-J. NET 89.50

TF-2U UNFINISHED SYSTEM

Unfinished speaker system constructed of 3/4" gum hardwood. Can be wood finished, painted or stained, to suit your personal taste. The TF-2U's full dimensional sound pleases every taste. 10" "Flexair" woofer, 2—P35-VAH tweeters and a crossover network combine to give outstanding sound from 25-14,000 cps. 13 1/2x23 1/2x11 1/2". 20 watts. 8 ohms. 36 lbs.

70 DU 574-J. NET 64.50

KTF-2. Speaker components only, used above. With enclosure plans. 10 lbs.

70 DU 575-J. \$5 Monthly. NET 39.75

Ultra-Compact, Space-Saving Speaker Systems

X-10 SPEAKER SYSTEM

A 2-way speaker system, so compact, you can place it anywhere in your home with ease. You're sure to enjoy its handsome styling and its full-bodied sound—uses a special miniature woofer precisely matched to its diminutive enclosure. Mass-loading and unusually long cone travel provide an excellent bass response. 3" tweeter produces highs that soar all the way to 14,000 cps.

Powerful 10-ounce "Syntox-6" magnet assures high efficiency. Rated 6 watts—provides adequate listening room sound with only 1-watt drive. Has volume control on front panel. Expertly finished in attractive, hand-rubbed, oiled walnut. Size, 7 1/2x13x4 1/2". Impedance, 4 to 16 ohms. Shpg. wt., 7 1/2 lbs.

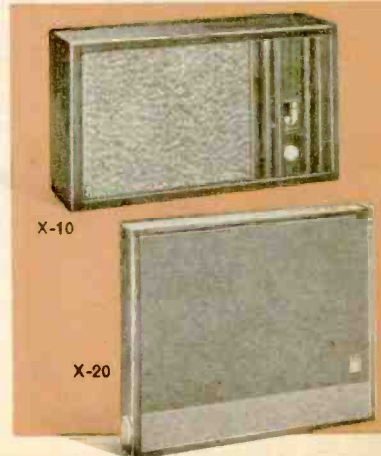
70 DX 553-J. \$5 Monthly. NET 29.75

X-20 SPEAKER SYSTEM

A slim-compact 2-way speaker system, only 2 1/2" deep! Takes hardly any space when placed on a desk, table or shelf—has built-in brackets for wall mounting, if preferred. Its trim styling enhances the interior decoration of any room, and its 2-way system provides smooth, wide-range sound, from a substantial bass to a pure high frequency response.

An excellent choice for economy music systems, it uses a specially designed shallow woofer and two tweeters. Power handling capacity of 6 watts. Volume control is conveniently located at side. Finished in tasteful oiled walnut with two-tone harmonizing custom fabric. Compact size, 12 1/2x15 1/2x2 1/2". Impedance, 4-16 ohms. Shpg. wt., 11 1/2 lbs.

70 DU 137-J. \$5 Monthly. NET 39.95

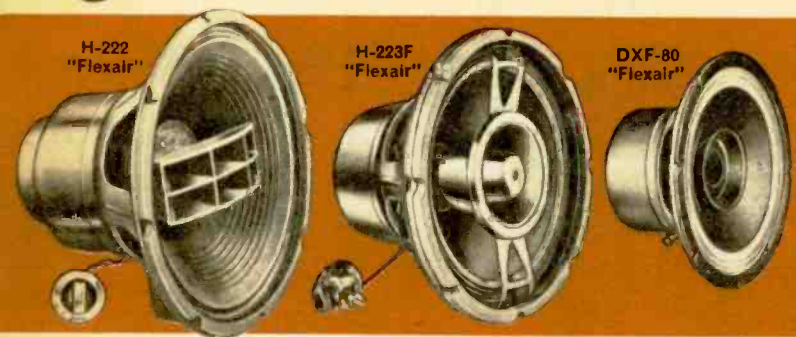


X-10

X-20

Buy What You Want Now—on Allied's Credit Fund Plan

Jensen Speakers Featuring "Flexair" Design



"FLEXAIR" DESIGN OFFERS DEEPER, MORE EXCITING BAS

"Flexair" design has created a shallow woofer with extraordinary deep, natural bass response (as low as 16 cps), low distortion and great mechanical stability. These are achieved by a special outer suspension with extreme accordion action, high uniformity of air gap flux over the complete travel distance, and linear voice coil suspension for faithful reproduction of even the deepest bass tones.

H-222 WIDE-RANGE 12" COAXIAL SPEAKER

Net
\$62.50
\$5 monthly

- Extended Range From 30 to 15,000 CPS
- With High Frequency Level Control
- Has 1 1/4 lb. DP-Alnico Magnet
- With Built-In Crossover Network
- Offers 2000 cps Crossover Point

An outstanding 2-way speaker offering fine fidelity throughout an extremely wide frequency range of 30 to 15,000 cps. Compression-driver tweeter is loaded by a 6-cell Hypex horn, assuring very high efficiency, tonal purity and wide-angle dispersion. Model ST-946 level control lets you adjust the highs to suit your personal taste and the acoustics of your room. Crossover network evenly distributes frequencies below and above 2000 cps. 12" woofer delivers full-dimensional sound from 30 to 20,000 cps. 1 1/4-lb. high-energy DP-Alnico magnet reproduces the dynamic range of the most powerful percussive passages with extraordinary clarity and brilliant realism. Power handling capacity, 25 watts. Impedance, 16 ohms. Shpg. wt., 12 lbs.

71 DX 074-J. NET 62.50

H-223F "FLEXAIR" 12" COAX SPEAKER

A superb 2-way speaker offering the deep, rich bass response of its "Flexair" woofer (down to a low 20 cps of natural sound), and compact styling. Has built-in, efficient L-C type crossover network at 2000 cps—plus reflexed compression driver tweeter that extends highs to 15,000 cps with great clarity. Power handling capacity, 30 watts. Impedance, 16 ohms. Requires baffle opening of 10 1/2"; depth of 7 3/4" behind baffle. Includes wired-in balance control for tweeter. Wt., 13 lbs.

71 DX 075-J. \$5 Monthly. NET 72.50

DXF-80 "FLEXAIR" FULL-RANGE 8" SPEAKER

A perfect speaker for smaller enclosures—"Flexair" woofer assures extended natural bass response all the way down to 36 cps! Has a concentrically mounted whizzer cone element to produce highs of startling clarity to 13,000 cps. Also has 1/2 lb. Alnico V magnet. Crossover at 4000 cps. Power handling capacity, 20 watts. Impedance, 16 ohms. Shpg. wt., 5 1/2 lbs.

71 D 079-J. \$5 Monthly NET 24.50

DX-120 DUAX 2-ELEMENT 12" SPEAKER

Offers finer sound at lower cost by expert utilization of two precisely coordinated cones, driven by a single voice coil. Both cones operate together up to a "mechanical crossover" at 4000 cps; smaller cone is very effective beyond 4000 cps to deliver pure highs to 13,000 cps. The larger cone gives fine fidelity down to 40 cps. Has 1 lb. magnet. Power handling capacity, 20 watts. Impedance, 16 ohms. 7 3/4" deep. Wt., 8 lbs.

71 DX 080-J. \$5 Monthly. NET 27.50

UX-120 UNAX 12" WIDE-RANGE SPEAKER

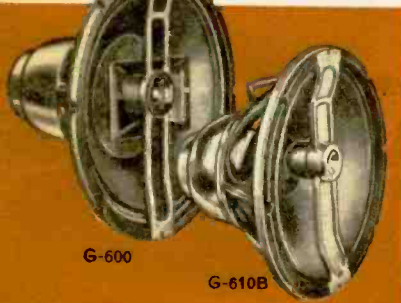
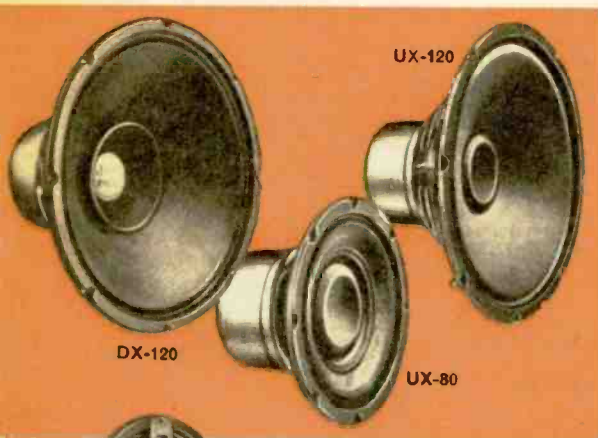
A single-cone speaker reproducing extremely clear sound through a frequency range of 40 to 12,000 cps. Has 1/2-lb. magnet. Capacity, 14 watts. Impedance, 9 ohms. Shpg. wt., 6 lbs.

71 DX 081-J. NET 17.95

UX-80 UNAX 8" EXTENDED-RANGE SPEAKER

A low-cost, single-cone speaker that provides excellent fidelity. Offers extended frequency response of 50 to 12,000 cps. Capacity, 12 watts. Impedance, 8 ohms. Wt., 4 1/2 lbs.

71 D 082-J. NET 14.50



G-610B 15" TRIAX SPEAKER

With this 3-way speaker you hear rich natural bass notes, a smooth real mid-range and highs of great tonal purity throughout an entire range of 25 cps to beyond audibility. Uses heavy woofer and two compression-driver horn-loaded elements. Built-in dual crossover network with wired balance controls for exact adjustments. Crossovers at 600 and 4000 cps.

Has 6 1/2-lb. high energy DP-Alnico V magnet. Power capacity, 40 watts. Impedance, 16 ohms. 10 3/4" deep. Wt., 47 lbs.

71 DU 093-J. \$13 Monthly. . NET 252.75

G-600 15" TRIAX SPEAKER

An economical version of the G-610B triaxial speaker at left. Produces extremely clear sound—frequency range is 30 cps to beyond audibility. Woofer employs a 3 1/2 lb. magnet. Bore-mounted compression driver covers mid-range and has separate horn for 900-4000 cps. Super-tweeter carries sound up from 4000 cps to inaudibility.

Complete with built-in dual crossover network and wired balance controls for adjustments. Capacity, 35 watts. Impedance, 16 ohms. 11 1/16" deep. 33 lbs.

71 DU 095-J. \$7 Monthly. . . NET 134.50

High-Fidelity Speakers and Components

Jensen

K-210 2-WAY 12" COAXIAL SPEAKER

Impressive fidelity at low cost is yours with this expertly-designed coaxial speaker. Features electrically and acoustically independent woofer and tweeter for fine clarity and extreme realism throughout a wide frequency range of 45 to 14,000 cps. Has built-in electrical crossover network that evenly distributes sound between woofer and direct-radiator type tweeter. Magnet is 1/2 lb. high-energy DP Alnico V. Power handling capacity, 14 watts. Impedance, 8 ohms. Shpg. wt., 7 lbs.

DX 096-J. \$5 Monthly.....NET 27.50

K-80A 2-WAY 8" COAXIAL SPEAKER

If you need a small high-fidelity speaker that gives excellent performance, the K-80A is just what you're looking for. Delivers a frequency response from 50 to 14,000 cps with exceptional realism and clarity. Has electrical crossover from woofer cone at 100 cps. 1/2-lb. high-energy Alnico V magnet. Power handling capacity, 12 watts. Impedance, 16 ohms. 4 lbs.

D 097-J.....NET 17.75

Famous Economy-Priced Coaxial Speakers



K-210



K-80A

Famous JENSEN Speaker Components



RP-302A



RP-103B



E-10 ULTRA-TWEETER

With Built-In Crossover—Easily Added to Any Speaker!

Mid-Range Speakers



P8-RM

P8-UM



C12-NF
P15-LF
P8-QF

"Flexair" Woofers

RP-302A SUPER TWEETER. Compression-driver, horn-loaded type for pure highs from 4000 cps to beyond audibility. Capacity with suitable crossover, 40 watts. Imp. 16 ohms. O.D., 2 3/4"; 3 3/4" long. With mtg. plate. 2 1/4 lbs.

71 D 098. \$5 Monthly.....NET 35.00

RP-103B COMPRESSION TWEETER. For use with 2000 or 4000 cps crossovers. Extends highs clearly to 15,000 cps. 30 watts. 16 ohms. Cutout 2x6". 3x7 1/2x6 3/4". 3 lbs.

71 D 099-J.....NET 16.50

E-10 SONO-DOME ULTRA-TWEETER. Add this plastic dome radiator to your speaker and listen to highs of unparalleled beauty, from 10,000 cps to beyond audibility. Complete with built-in crossover, mounts from back of baffle in 3 1/8" cutout. O.D., 4 1/4"; 2" deep. 30 watts. 4-16 ohms. 1 1/2 lbs.

71 D 100-J. \$5 Monthly.....NET 19.50

P8-UM MID-RANGE SPEAKER. Low-cost, direct-radiator type. Smoothly reproduces 600-4000 cps range. Closed housing for isolation. 30 watts. 16 ohms. 4 1/2" deep. Wt., 3 lbs.

71 D 102-J.....NET 7.50

P8-RM 8" MID-RANGE SPEAKER. Wide-range, direct-radiator type, smoothly delivering uniform output of 200 to 4000 cps. Closed housing. 40 watts. 16 ohms. 5" deep. Wt., 4 lbs.

71 D 103-J.....NET 12.50

C12-NF 12" WOOFER. "Flexair" design delivers extremely wide bass response down to 20 cps. Up to 2000 cps. Resonance, 20 cps. 30 watts. 16 ohms. 1 1/2 lb. magnet. 9 lbs.

71 DX 104-J. \$5 Monthly.....NET 37.50

P15-LF 15" WOOFER. The ultimate in bass response with "Flexair" design: 16 to 2000 cps! Resonance, 16 cps. Capacity, 40 watts. Impedance, 16 ohms. 3 1/2-lb. magnet. 18 lbs.

71 DX 105-J. \$5 Monthly.....NET 69.75

P8QF 8" WOOFER. Extraordinary response from this "Flexair" woofer—36 to 2000 cps. Resonance 45 cps. Capacity, 25 watts. Impedance, 16 ohms. 1/2-lb. magnet. 5 1/2 lbs.

71 D 106-J. \$5 Monthly.....NET 22.50

KT-33 SPEAKER COMPONENTS KIT

Complete—ready for easy installation. Consists of: C12-NF 12" woofer with "Flexair" design; P8-UM direct-radiator 8" mid-range speaker; RP-103B compression-driver, horn-loaded tweeter; A-645 two channel crossover; and ST-946 balance control. 20-15,000 cps. 20 watts. 16 ohms. 21 lbs.

71 DU 107-J. \$5 Monthly.....NET 80.00

CROSSOVER NETWORKS

A-61. Fine two-channel 600-cycle type. Capacity, 40 watts. Impedance, 16 ohms. 5 1/2x6 3/4x4 3/4". Shpg. wt., 5 1/2 lbs.

71 D 108. \$5 Monthly.....NET 19.75

A-204. As above, but up to 2000 cps. 180° constant-resistance type. 40 watts. 16 ohms. 4 3/4x3 1/2x3 1/4". Wt., 2 1/2 lbs.

71 D 109.....NET 13.00

A-402. As above, but crossover point occurs at 4000 cps. Cap., 40 watts. Imp., 16 ohms. Shpg. wt., 3 lbs.

71 D 110.....NET 10.90

BALANCE CONTROLS

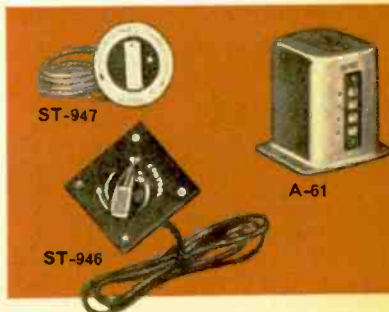
CHOICE OF TWO. Have adjustable wire-wound L-pads, with bar knob and metal escutcheon plate. Mount in 1 1/8" hole. 36" leads. Impedance, 16 ohms. 1/2 lb.

ST-947. For tweeter or mid-range adjustment in 2, 3 and 4-way speaker systems rated up to 40 watts capacity.

71 D 111.....NET 4.50

ST-946. For adjusting the output of tweeter in 2 and 3-way systems with power rating up to 30 watts.

71 D 112.....NET 3.95



ST-947

A-61

ST-946

Get More Buying Power with Allied's Credit Fund Plan

200 SERIES

Custom-built speakers offering superb performance. Each is assembled by hand with finest, carefully selected materials.

The 200 Series of custom-built speakers sets an extremely high standard of performance for superb sound reproduction. Specially molded rigid cones are mounted between two highly compliant cloth suspensions (inner and outer) and can undergo the large, unhindered piston-like excursions necessary to reproduce lowest bass in compact or large cabinets. One-piece die-cast baskets assure perfect rigidity for the entire structure. Each is specially designed for mounting to either the front or rear of the baffleboard.



Only
\$71.54
\$5 monthly

Only
\$38.95
\$5 monthly

Only
\$152.88
\$8 monthly

312 3-WAY 12" SPEAKER

A 12" Diffaxial speaker offering superb sound over an extremely wide frequency range of 28 to 40,000 cps. 12" high-compliance woofer delivers a deep, rich bass; patented, multi-element "diffusicone" ensures a full-bodied mid-range; and center-mounted super-tweeter with a horizontal dispersion of 120°, produces sparkling highs. Tweeter also features a specially constructed reflector baffle to prevent acoustic interaction between itself and woofer. L-C crossover network accurately distributes frequency bands, and adjustable brilliance control lets you adjust the higher frequencies to suit your personal listening taste and the acoustics of your room. Rigidity is maintained by 1-piece die-cast basket. Power handling capacity, 35 watts. Impedance, 8 or 16 ohms. Depth, 6 3/4". 10 1/2 lbs.

71 DU 006-J.....NET 71.54

2-WAY 12" SPEAKER

DIFFUSICONE 12. A fine wide-range 12" Diffaxial speaker for music systems where the accents are upon economy and highest quality. With it, you enjoy excellent sound over a wide frequency range. The Diffusicone 12 produces a deep, pervading bass response without "boominess." Dual horn-loading at apex of cone considerably extends the mid-range and higher frequency responses. Mechanical crossover at 1000 cps offers smooth, wide-angle dispersion. Frequency response, 25-15,000 cps. Power handling capacity, 35 watts. Impedance, 8 or 16 ohms. Mounts to either front or rear of baffle board—no need to remove any panels. Has one-piece die-cast basket for perfect rigidity of the whole unit, and life-long adherence to original performance standards. Size: diameter, 13"; 6 1/2" deep. Shpg. wt., 8 1/2 lbs.

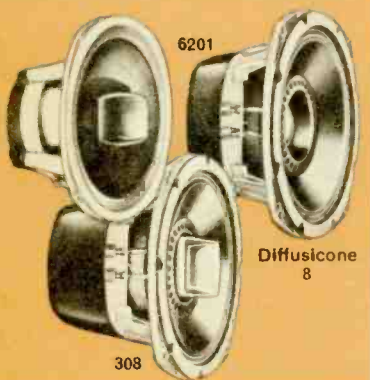
71 DU 007-J.....NET 38.95

DELUXE MODEL 315-C 3-WAY 15" SPEAKER

A 15" speaker that creates a magnificent aura of sound for supreme listening pleasure. Woofer cone features high excursion, dual-spider piston and anti-breakup, low-resonance diaphragm for a rich, natural bass. Multi-element Diffusicone mid-range section, crosses over at 1000 cps. Uses T-50

Hypersonic driver and axially mounted wide-angle tweeter horn. Response, 25 cps to inaudibility. Balance controls for mid-range and treble. Magnet wt., 6 1/2 lbs. Capacity, 50 watts. Impedance, 8 or 16 ohms. Depth 12". Wt., 35 lbs.

71 DU 008-J.....NET 152.88



6201 12" COAXIAL SPEAKER. A moderately priced speaker offering extremely natural bass, full mid-range and clear bright highs. Features separate drivers for heavy woofer and compression type tweeter. Has built-in 2500 cps crossover and adjustable brilliance control on 3-ft. cable. Frequency response, 28-18,500 cps. Capacity, 35 watts. Impedance, 8 or 16 ohms. 6 3/4" deep. 10 1/2 lbs.

71 DU 009-J. \$5 Monthly.....NET 56.59

DIFFUSICONE 8 2-WAY SPEAKER. An excellent speaker for installations where space is at a premium and economy an important factor. Wide-angle dispersion is successfully achieved by a dual-horn radial projector plus aperture diffraction. Response, 30-15,000 cps. Capacity, 35 watts. Impedance, 8 or 16 ohms. Depth, 4 3/4". Shpg. wt., 5 lbs.

71 D 010-J. \$5 Monthly.....NET 27.44

308 3-WAY 8" SPEAKER. Very compact, highly efficient speaker, designed specifically for the smaller hi-fi installation. Features expertly designed woofer with extra-large voice coil for natural bass response. Has multi-element diffusicone mid-range unit, compression-type tweeter and built-in 5000 cps crossover. True-axial construction—tweeter is projected through center of woofer. Response, 30 to 17,000 cps. Power handling capacity, 35 watts. Impedance, 8 or 16 ohms. 6 3/4" deep. Shpg. wt., 6 lbs.

71 D 011-J. \$5 Monthly.....NET 41.16

100 SERIES



UC-82 2-WAY 8" SPEAKER. Expressly designed for compact enclosures. Has 5000 cps crossover. 45-14,000 cps. 25 watts. 8 or 16 ohms. 5 1/4" deep. 3 lbs.

71 D 012-J.....NET 16.61

UC-122 2-WAY 12" SPEAKER. (Not illus.) Features diffusicone element with 1000 cps crossover. 40-13,000 cps. 30 watts. 8 or 16 ohms. 4 1/2" deep. 5 1/2 lbs.

71 DX 019-J. \$5 Monthly.....NET 34.79

UC-152 15" SPEAKER. Diffusicone element. 1000 cps mechanical crossover. 30-14,000 cps. 30 watts. 8 or 16 ohms. 7 1/4" deep. Wt., 8 1/2 lbs.

71 DX 023-J. \$5 Monthly.....NET 44.10

UC-153 3-WAY 15" SPEAKER. (Not illus.) Deluxe version of above. Has 30-18,500 cps response. UXT-5 Tweeter. 12 1/2 lbs.

71 DX 024-J. \$5 Monthly.....NET 81.34

Woofers, Tweeters and Accessories

University

-15W 15" WOOFER. Features dual voice coil—2 electrically independent voice coils in a single woofer. Dual-spider piston and 1-lb. magnet ensure clean response from below 25 to 1500 cps. 50 watts. Impedance, 20 ohms. 10 1/2" deep. 27 lbs.

1 DU 025-J. \$5 Monthly.....NET 83.30

-15HC 15" WOOFER. High compliance woofer featuring Hiflux Uniferrox-7 magnet material in specially designed twin-spider suspension assembly. For use with amplifier delivering 10 watts or more. Resonance, 15 cps. Response to 800 cps. 1-8 or 10-20 ohms. 8 1/2" deep. 60 watts. With enclosure plans. 25 lbs.

71 DU 026-J. \$5 Monthly.....NET 87.71

C-12HC 12" WOOFER. For use with amplifiers delivering 15 watts or more. Response, to 3000 cps. Cone resonance, 20 cps. Power handling capacity, 50 watts. Impedance, 4-8 or 10-20 ohms. With enclosure plans. 6 3/4" deep. 9 lbs.

71 DX 027-J. \$5 Monthly.....NET 48.51

C-12SW 12" WOOFER. (Not illus.) Adjustable response to 700, 2500 or 5000 cps. Response, 30-6000 cps. Capacity, 30 watts. Imp. 8 ohms. 6 3/4" deep. 7 1/4 lbs.

71 DX 028-J. \$5 Monthly.....NET 38.71

C-8W 8" WOOFER. Low or mid-range speaker. Response, 50-5000 cps. Capacity, 25 watts. 8 ohms. 4 1/2" deep. 3 lbs.

71 D 029-J.....NET 14.70

C-8HC 8" WOOFER. (Not illus.) Similar to 12-HC. Impedance, 4-8 ohms. Capacity, 30 watts. 4 1/2" deep. Wt., 7 1/4 lbs.

71 D 047-J. \$5 Monthly.....NET 39.15

C-8M MID-RANGE 8" SPEAKER. Response, 700-5000 cps. Fine for 3-way systems. Capacity, 50 watts. Impedance, 8 ohms. 4 1/2" deep. Wt., 3 1/4 lbs.

71 D 048-J.....NET 16.61

T-30 MID-RANGE AND HIGH FREQUENCY DRIVER. For use with Cobreflex or H-600 horns. Response, 350-15,000 cps. 50 watts. 8 ohms. 1 3/4"-18 throat. 3 1/2"x 3 1/2". Wt., 2 1/4 lbs.

71 D 049-J. \$5 Monthly.....NET 29.40

H-600 MID-RANGE AND HIGH-FREQUENCY HORN. For use with T-30. 600 cycle cutoff. Uniform sound from 600 cps to inaudibility. 7 1/4"x8 1/4"x4 1/4". 2 1/4 lbs.

71 D 050-J.....NET 18.62

COBREFLEX TWIN-FLARE HORN. (Not illus.) Mid-range for 3-way systems. Use with T-30. Crossover as low as 350 cps. 1 3/4"-18 throat. 10 1/4"x18 1/4"x19 1/4". 10 1/4 lbs.

57 DX 566-J. \$5 Monthly.....NET 23.67

HF-206 HYPERSONIC TWEETER. 2500 cps to inaudibility. 50 w. Requires N-1 filter—and N-2A crossover for 3-way systems. 8 ohms. 6x3 3/4"x6 1/4". 3 1/2 lbs.

71 D 051-J. \$5 Monthly.....NET 32.34

UXT-5 SUPER TWEETER. (Not illus.) Use with N-1 filter. 4500-17,500 cps. 50 w. 8 ohms. 4 1/4"x2 1/2"x4". Wt., 1 1/4 lbs.

71 D 052-J. \$5 Monthly.....NET 20.58

N-1 HIGH-PASS FILTER. (Not illus.) Adjustable. 2500, 5000, 10,000 cps at 8 ohms; 1250, 2500, 5000 at 16 ohms; 5000, 10,000 at 4 ohms. 3 3/4"x3 1/4"x3". Wt., 1 1/4 lbs.

71 D 053-J.....NET 13.72

N-2A CROSSOVER NETWORK. (Not illus.) 300 or 700 cps at 8 or 16 ohms; 700 at 4 ohms. 3 3/4"x3 1/4"x3". Wt., 1 1/4 lbs.

71 D 054-J.....NET 17.64

AP-8 LEVEL CONTROL. (Not illus.) Fits panels to 3/4". Shpg. wt., 7 oz.

71 D 055-J.....NET 3.87

SPHERICON SUPER TWEETER. Add exciting "highs" to your system in minutes. Response: 3000 to 40,000 cps. Built-in network and level control. 120° disp; 30-watt capacity; 8-ohm impedance. Walnut case. 6 3/4"x5 1/4"x2 1/4". 3 lbs.

71 D 060-J. \$5 Monthly.....NET 24.45

71 D 061-J. Above, Less Case.....24.45

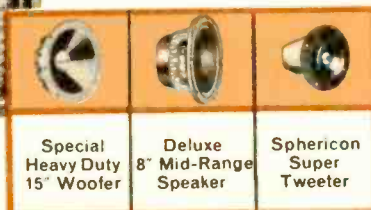


University's Mark II—A Speaker System Designed for Perfection



Flawlessly Crafted With the Finest Woods And Veneers Available

In looks, in sound, the Mark II is a marvel of cabinet and acoustical design. A 3-way speaker system, in a perfectly complementing cabinet, brings the full spectrum of sound to life, creating a new dimension of listening pleasure.



Only **\$289.10** Three superb elements, expertly integrated, deliver a virtually uniform response of 20-40,000 cps.

The Mark II—a classic creation for those who want the finest. This 15" 3-way high compliance speaker system consists of: heavy duty 15" woofer with specially designed diaphragm, Uniferrox-7 magnet and massive die-cast frame; 8" mid-range speaker with reserve excursion and power handling capacity; Sphericon tweeter offering superb response and dispersion. Also has presence and brilliance controls. Capacity, 60 watts; crossover, 150 cps; impedance, 4 and 8 ohms. Acoustically-engineered cabinet is styled in classic lines of simplicity—finished in hand-rubbed oiled walnut. 28 1/4"x35x17 1/2". 98 lbs.

70 DZ 101-J.....NET 289.10



Smart Styling and Top Performance



Budget-Priced
Speaker System



As Low As
\$78³⁵
\$5 monthly

Compact—
Only 4" deep,
but specially
designed to
deliver full
range sound.

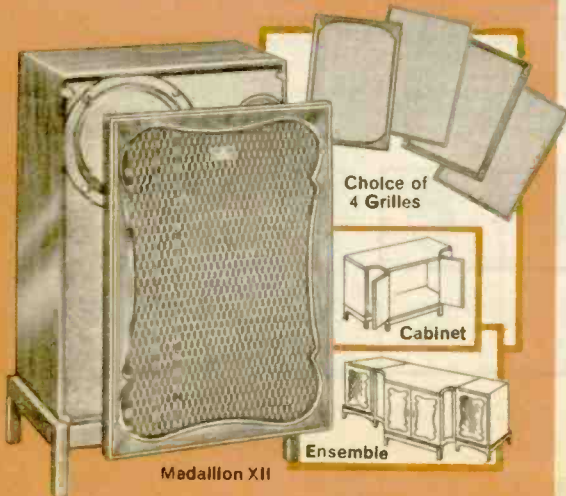
Syl-O-Ette



Companion II



Senior II



Madallion XII

Choice of
4 Grilles



Cabinet



Ensemble

MODEL S80 COMPACT 2-WAY SPEAKER SYSTEM

As Low As

\$581

- Exceptionally Compact—Fits Anywhere
- Impressive 40 to 16,000 cps Response
- C-8 W Woofer, 3½" Tweeter
- Enhances Interior Decoration

Compact, with lines of stylistic beauty—augmented by natural sound that covers virtually the entire listening range—this is the S-80, a superb University creation. Contains: C-8W 8" woofer 3½" direct-radiator tweeter; and LC crossover network with frequency distribution point at 2500 cps. Enclosure employs phase-inverter principle. Range, 40 to 16,000 cps. 11½" x 21½" x 9¼" deep. In unfinished sanded birch, for easy-finishing your taste. 25 watts. 8-16 ohms. 17 lbs.

70 DU 239-J. \$5 Monthly..... **NET 55.8**

70 DU 237-J. Mahogany Finish..... **NET 58.**

70 DU 238-J. Walnut Finish..... **NET 58.1**

SLIM 2-WAY SPEAKER SYSTEM

SYL-O-ETTE. Beautiful to look at, its slender lines complement any decor. The Syl-O-Ette delivers beautiful sound over a wide range of 40 to 17,000 cps. Comes with decorator cane grille cloth, but has detachable grille frame for other styles (see below). Includes piston-action 8" woofer and 6½" mid-range-tweeter unit. Mounts on wall or rests on floor (base included) or shelf. 4" depth makes decorative placement easy. Unfinished sanded birch. 23x29x4". 30 watts. 8-16 ohms. 20 lbs.

70 DU 116-J..... **NET 78.35**

70 DU 123-J. Oiled Walnut..... **NET 88.15**

OPTIONAL GRILLES. Wt. 2½ lbs.

70 DU 127-J. Petit Point..... **NET 9.75**

70 DU 128-J. Silk Screen..... **NET 5.83**

3-SPEAKER SHELF SYSTEM

COMPANION II. Styled and expertly engineered to offer eye-appealing appearance and excellent sound through a wide frequency range—at moderate cost. Cabinet features molded front edging with tastefully matching grille cloth. Consists of: 10" woofer for natural bass; 3½" speaker for smooth mid-range; 3½" tweeter to deliver purest high notes; crossover at 3000 cps; brilliance control to adjust highs to room acoustics. Range 35 to 18,000 cps. Compact size, 13½" x 24" x 11½" deep. Finished on all four sides in genuine oiled walnut veneer. Capacity, 30 watts. 8-16 ohms. 30 lbs.

70 DU 109-J. \$5 Monthly..... **NET 77.91**

70 DU 110-J. As above, but in smoothly sanded unfinished birch..... **NET 68.11**

COMPACT 3-SPEAKER SHELF SYSTEM

SENIOR II. For balanced sound—natural, without exaggeration throughout a wide frequency range of 30 to 22,000 cps. Balanced styling—natural, complementing lines balanced by genuine hand-rubbed oiled walnut veneer and matching grille cloth. Balanced placement—blends equally well on a shelf or floor, vertically or horizontally. Features: 12" woofer; 3½" midrange speaker; Sphericon super tweeter; crossover at 3000 cps; adjustable brilliance control to match room acoustics. Size, 15½" x 25" x 12½" deep. Tuned enclosure finished on all four sides. Capacity, 40 watts. Impedance, 8-16 ohms. Shpg. wt., 44 lbs.

70 DU 111-J. \$5 Monthly..... **NET 97.51**

70 DU 115-J. As Above, but Unfinished Birch..... **NET 87.71**

SPEAKER SYSTEM AND EQUIPMENT CABINET

MEDALLION XII SPEAKER SYSTEM. Choose the style that suits your home. Features easily removable grille, replaceable by grille of different decor. Has 12" woofer, 8" mid-range speaker and Sphericon tweeter. 28-22,000 cps. 24x17x11½". Specify mahogany, oiled walnut or fruitwood. 40 watts. 8-16 ohms. Less grilles, base, below. System, 40 lbs.; grille, 3½ lbs.

70 DU 650C-J. Specify finish. \$7 Monthly..... **NET 137.15**

70 DU 653-J. Early American Grille. Fruitwood only..... **14.65**

70 DU 652-J. French Provincial Grille. Fruitwood only..... **14.65**

70 DU 651C-J. Contemporary Grille. Specify finish..... **9.75**

70 DU 592C-J. Swedish Modern Grille. Specify finish..... **14.65**

70 DU 654C-J. System Base. 4¼", 3 lbs. Specify finish..... **14.65**

MEDALLION CREENZA EQUIPMENT CABINET. Features replaceable doors matching speaker system's grilles. Overall, 29½" x 36x19"; amplifier-tuner section, 9½" x 24½" x 15½"; turntable section, 12½" x 18½" x 15½". Specify mahogany, oiled walnut or fruitwood. Less doors, below. Cabinet, 40 lbs; Doors, 3½ lbs.

70 DZ 102C-J. Specify finish. \$7 Monthly..... **NET 135.19**

70 DU 103-J. Early American Doors. Fruitwood only..... **41.16**

70 DU 106-J. French Provincial Doors. Fruitwood only..... **41.16**

70 DU 107C-J. Contemporary Doors. Specify finish..... **41.16**

70 DU 108C-J. Swedish Modern Doors. Specify finish..... **41.16**

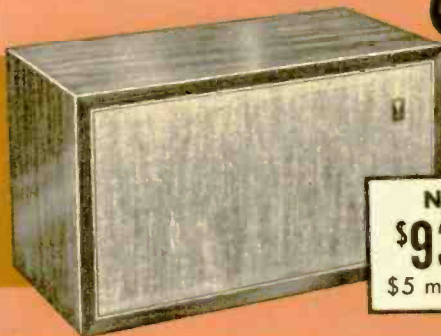
Deluxe Quality Speakers and Systems by

JBL

JBL



Net
\$11700
\$6 monthly



Net
\$9300
\$5 monthly

TRIMLINE 54 SPEAKER SYSTEM

A significant achievement in the development of an extremely compact speaker system—delivers clean, superb-quality sound over a wide frequency range. New passive low frequency radiator and LE8T speaker provide natural sound reproduction from the lowest note to the highest. In looks, the Trimline 54 is a model of enduring simplicity—at home with any decor, and so compact (only 5 1/4" deep) that room placement is simple—hangs on a wall, sits comfortably on a shelf or on the floor. 30 to 20,000 cps. 23 3/4 x 20 x 5 1/4". In oiled walnut. 25 watts. 8 ohms. 29 lbs.

70 DU 196-J. \$6 Monthly. **NET 117.00**

C51 APOLLO SPEAKER ENCLOSURE. An elegant blend of classic styling and superb acoustical design. Offers smart fretwork grille. Finished in genuine hand-rubbed oiled walnut veneer. Accepts any size speaker—see adapter listing below. 26 3/4 x 26 1/4 x 18" deep. 55 lbs.

70 DZ 197-J. \$12 Monthly. **NET 225.00**

C36 ENCLOSURE. Gracefully styled bass-reflex type in hand-rubbed oiled walnut finish. Accepts any 8", 12" or 15" speaker. 29 1/2 x 19 3/4 x 15 1/4". With 5" legs. 47 lbs.

70 DZ 198-J. \$5 Monthly. **NET 93.00**

C38 ENCLOSURE. As above, but low boy styling. Size, 24 3/4 x 23 1/2 x 15 1/4" (with legs). Shpg. wt., 47 lbs.

70 DZ 200-J. \$5 Monthly. **NET 93.00**

C53 ENCLOSURE. Styled in lines of simplicity and finished in hand-rubbed oiled walnut veneer. 14 x 23 1/2 x 11 1/4" deep. Accepts 8 or 12" speaker. Shpg. wt., 30 lbs.

70 DU 201-J. \$5 Monthly. **NET 48.00**

C48 MADISON ENCLOSURE. Deluxe styling featuring special design and fiberglass damping for superb acoustics. Stands horizontal or vertically. In oiled walnut with matching grille. Accepts 8" speaker. 11 1/4 x 23 3/4 x 13 1/4". 41 lbs.

70 DU 202-J. \$5 Monthly. **NET 63.00**

LANCER HI-FI SPEAKER SYSTEMS

MODEL L33. Exciting sound and styling characterize this compact system. Features full-range LE8T speaker and ported enclosure for distortion-free sound from 35 to 15,000 cps. In oiled walnut. 12 3/4 x 23 1/2 x 11 1/4". 20 watts. 16 ohms. 42 lbs.

70 DZ 680-J. \$5 Monthly. **NET 93.00**

MODEL L66. 2-way system using 10" woofer and a high-frequency tweeter for superb sound. Response, 15-18,000 cps. Requires amplifier of at least 20 watts (stereo, 10 watts per channel). In oiled walnut. 14 3/4 x 23 1/2 x 11 1/4". 30 watts. 8 ohms. 47 1/2 lbs.

70 DZ 682-J. \$7 Monthly. **NET 147.00**



Model C51

Model C36
Model C38

Model C-48

Model C53

JBL EXTENDED RANGE SPEAKERS

LE14C LINEAR EFFICIENCY SPEAKER. Reproduces entire audio spectrum. Has 15" woofer and concentrically mounted high frequency radiator; 4" voice coil; 1200 cps crossover. 30 watts. 16 ohms. 24 lbs.

71 DU 190-J. \$8 Monthly. **NET 150.00**

LE8 8" SPEAKER. Mounts front, rear. 30-15,000 cps. 20 w. 16 ohms. 11 lbs.

71 D 191-J. \$5 Monthly. **NET 66.00**

LE10A 10" WOOFER. Has 6-lb. magnet; 3" voice coil. Resonance, 15 cps. 30 watts. 16 ohms. Shpg. wt., 15 lbs.

71 D 192-J. \$5 Monthly. **NET 57.00**

LE30 TWEETER. Use only with LX3-1, below. 30 watts. 16 ohms. 4 lbs.

71 D 193-J. \$5 Monthly. **NET 57.00**

D131 12" SPEAKER. 30-17,000 cps. 25 watts. 16 ohms. 5" deep. 21 lbs.

71 DU 195-J. \$5 Monthly. **NET 96.00**

71 DU 196-J. D130. Same as D131, above, but 15". Resonance, 37 cps. 23 lbs. **102.00**

D123 12" SPEAKER. Response, 30-15,000 cps. 20 watts. 16 ohms. Wt., 12 lbs.

71 DU 200-J. \$5 Monthly. **NET 72.00**

075 TWEETER. For 2-way systems crossing 12500 cps min. 16 ohms. 3 1/2". 6 lbs.

71 D 201-J. \$5 Monthly. **NET 63.00**

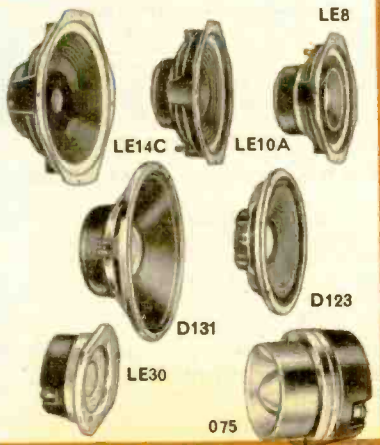
N2600 CROSSOVER. 2500 cps. 16 or 32 ohms. 4 3/4 x 6 x 3 3/4". 3 1/2 lbs.

71 D 202-J. \$5 Monthly. **NET 27.00**

71 D 194-J. LX3-1 Crossover Network. 16 ohms. Wt., 3 lbs. **NET 21.00**

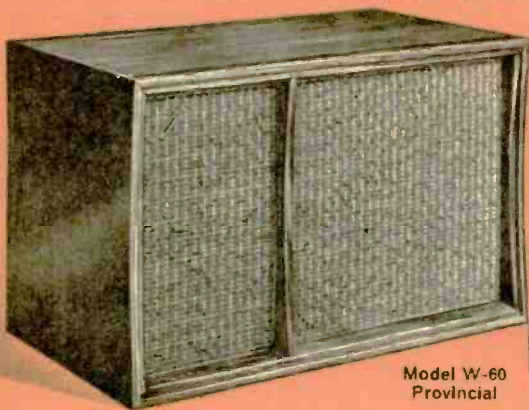
ADAPTER KITS. For installing JBL speakers into JBL enclosures. *Not needed.

Stock No.	Type	Speakers	Enclosures	NET
70 DX 203	A11	LE10A, LE30, LX3-1	C36, C38	5.00
70 DX 204	A22	LE8, 123, 130, 075	C36, C38	5.00
70 DX 205	A23	LE8	C48	5.00
70 DX 206	A24	LE14C	C36, C38	5.00
70 DX 207	A26	LE14C	C51	3.00
70 DX 233	A29	D130, 075, N2600	C51	5.00
70 DX 234	A28	D123, D130, D131	C51	6.00
70 DX 300	A3	LE8	C53	3.00
.....	.....	*LE10A-LE30-LX3-1	*C53	.....
.....	.....	*LE14C	*C53	.....



Wharfedale

World-Famous Speakers From Britain.



Model W-60
Contemporary



W-70

Model W-70
Provincial



Model W-60
Provincial



MODEL W60 TWO-WAY SPEAKER SYSTEM

Moderately priced, and designed to please the most critical audio connoisseur, the Wharfedale W60 is an outstanding value. Employs Wharfedale's unique sand-filled principle—two layers of wood with a completely inert filler of dry sand between them for resonance-free reproduction. This remarkable feature produces full, rich bass down to 20 cycles—without spurious resonances. Fine for floor placement with optional base, below. Sound artistry of the system stems from an effective combination of specially designed 5" tweeter and 12" woofer, critically tuned to enclosure. Finished on 4 sides. 14 1/4 x 24 x 13". 30 watts. 8 ohms. Specify choice of mahogany or oiled walnut. 50 lbs.

70 DU 038C-J. Specify Finish. \$6 Monthly.....NET 116.50

70 DU 039-J. Unfinished. Less divider; curved molding... 101.50

4-LEG MOUNTING BASE. Mahogany or walnut. 7 lbs.

70 DU 590C. Specify Finish.....NET 9.95

70 DU 554. As above, but unfinished.....NET 8.95

70 DZ 599-J. W60 Provincial. Same as W60 above, but with legs and in Fruitwood finish. \$7 Monthly.....NET 134.50

DELUXE MODEL W70 THREE-WAY SPEAKER SYSTEM

Thrilling fidelity and tasteful styling are yours with this superb 3-way system. Offers extremely wide frequency range. Consists of: 12" woofer with massive 9 1/2" magnet for extended bass response; 10" speaker for a smooth, full mid-range; 3" tweeter delivering pure, widely-dispersed highs; LC crossover networks with distribution points at 1500 and 6000 cps; brilliance control for high-frequency adjustment. Sturdy 3/4" hardwood enclosure; two layers of wood with dry sand between them. Can be placed on floor with optional base, below. 24x21x12". 4 sides finished in genuine mahogany or oiled walnut veneer (specify choice). Capacity, 30 watts. Impedance, 8 ohms. Wt., 60 lbs.

70 DZ 659C-J. Specify Finish. \$9 Monthly.....NET 164.50

70 DZ 660-J. Unfinished. Less divider; curved molding... 146.50

4-LEG MOUNTING BASE. Mahogany or walnut. 7 lbs.

70 DU 590C. Specify Finish.....NET 9.95

70 DU 554. As above, but unfinished.....NET 8.95

70 DZ 699-J. W70 Provincial. Same as W70 above, but with legs and in Fruitwood finish. \$10 Monthly.....NET 189.50

MODEL W40 TWO-WAY SPEAKER SYSTEM

When the accent is on space-saving and economy, this compact speaker system admirably fits the bill—and provides excellent reproduction. Uses two specially designed and carefully tuned speakers—8 1/2" woofer with high flux-density magnet and 5" tweeter—in sand-filled enclosure. Crossover distribution point at 1500 cps. Has high-frequency control to match room acoustics. 12x24x10" deep. In mahogany or oiled walnut veneer (specify choice). Capacity, 20 watts. Impedance, 8 ohms. 45 lbs.

70 DZ 195C-J. Specify Finish.....NET 79.50

70 DZ 589-J. Unfinished. Utility model in smooth sanded birch hardwood, with curved molding. \$5 Monthly.....NET 69.50

Compact
Model W40

Net
\$79.50
\$5 monthly

NEW IMPROVED 12" SPEAKER

MODEL SUPER 12 RS/DD. Wharfedale's continuing research to improve its product has paid off in a newly-engineered 12" speaker that delivers astonishingly rich, natural reproduction. Check these improved features: new, more powerful Alcomax III ceramic magnet, providing high flux density with improved flux stability; new aluminum voice coils to give maximum high frequency response—tuned ultrasonic tinning results in coils guaranteed for life of speaker; new roll foam suspension permits response below main cone resonance for maximum bass in small enclosures; new cast baskets in conjunction with foam suspension permit still larger cone excursions under airtight conditions. Die-cast frame and foam-constructed cone remain, plus all other Wharfedale features. Frequency range of 30-18,000 cps. Cone resonance, 28-33 cps. Capacity, 40 watts. Impedance, 12-15 ohms. Depth 7". 22 lbs.

71 DU 183-J. \$5 Monthly.....NET 89.50

FULL-RANGE 8" SPEAKER

MODEL SUPER 8 FS/AL. Expertly designed to deliver impressive sound you'd expect from a larger, more expensive speaker. Features aluminum voice coil and foam suspension. Frequency range, 40 to 14,000 cps. Power handling capacity, 15 watts. Imp., 10-15 ohms. Bass resonance, 55-65 cps. Depth 4". 5 lbs.

71 D 184-J. \$5 Monthly.....NET 26.50

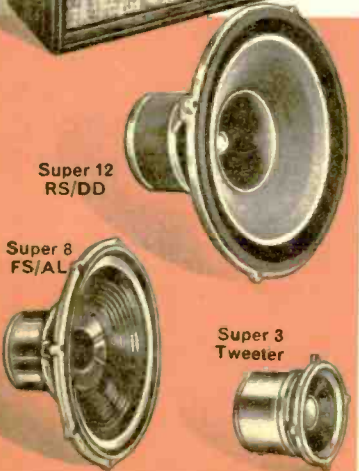
SUPER 3 HI-FI TWEETER

Extends and purifies the high-frequency range of any speaker system. Delivers sparkling 3000 to 20,000 cps frequency range of distilled treble. Capacity, 20 watts. Impedance, 8 ohms. Diameter, 3 3/8". Depth, 2 3/8". Wt., 4 1/2 lbs.

71 D 185-J. \$5 Monthly.....NET 26.50

4-mfd FREQUENCY-DIVIDING CAPACITOR. For using Super 3 tweeter with super 12 RS/DD or other full range speaker. Provides 3000 cps crossover. 4 oz.

13 L 430.....NET 59c



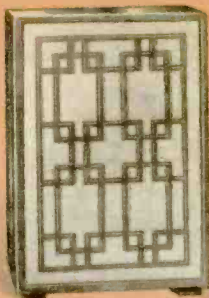
Super 12
RS/DD

Super 8
FS/AL

Super 3
Tweeter



G-3



G-4



G-2



G-1

Quality British Speakers
SAVE UP TO \$10.00 ON PAIRS

Exceptional Values
 --As Low As \$52.50 Each,
 in Pairs

G-3 5-SPEAKER 3-WAY SYSTEM

Extraordinary sound, styling and versatility are yours with this precision manufactured speaker system. Consists of: three 8" driver-woofers with "Rigidflex" hyperbolic floating piston cones 1" mid-range speaker; 3 1/2" ultra-high tweeter; crossover network with distribution point at 5000 cps; tuned port. These coordinated components deliver 40 to 17,000 cps of superb sound—from full natural bass notes through a smooth mid-range, up to glittering, pure highs. Placement is easy—can be used on a shelf or on the floor, vertically or horizontally to enhance room decoration. 25x17x5 1/4" deep. Genuine hand-rubbed oiled walnut veneer. Capacity, 45 watts. Impedance, 16 ohms. With unattached 1" legs for floor use. 25 lbs. \$5 Monthly.

70 DU 193-J. 2 for \$149.00. **NET EACH 79.50**

MODEL G-4 3-WAY SYSTEM. Same as system above, but with three 10" driver-woofers for even more natural, distortionless bass response. Compact design—28x20x6 1/4" deep. Cap., 60 watts. Complete with unattached 1" legs for vertical or horizontal floor placement. 30 lbs. \$5 Monthly.

70 DU 194-J. 2 for 169.00. **NET EACH 89.50**

G-1 3-SPEAKER 3-WAY SYSTEM

Slim styling, big performance and moderate price combine to make this fine speaker system an extraordinary value—and a grand addition to any monophonic or stereo music system. Features an 8" woofer with "Rigidflex" floating piston hyperbolic cone; 6" mid-range speaker; 3 1/2" ultra high-frequency tweeter; crossover network for distribution at 5000 cps; and tuned port. Provides 40 to 17,000 cycles of superb sound, from lowest to highest tones—with low distortion. Can be placed on shelf or floor, vertically or horizontally. Only 5 1/4" deep, space allocation is easy. The G1's smart styling adds a pleasing decorator touch to your room. Genuine hand-rubbed oiled walnut veneer. 25x17x5 1/4". Capacity, 15 watts. Impedance, 16 ohms. With unattached 1" legs for floor placement. Wt., 20 lbs. \$5 Monthly.

70 DU 190-J. 2 for 105.00. **NET EACH 56.50**

MODEL G2 3-WAY SYSTEM. Same as system above, but with 10" driver-woofer for greater bass capacity. Compactly designed—size, only 25x17x6 1/4" deep. With unattached 1" legs for floor placement. 20 watts. 25 lbs. \$5 Monthly.

70 DU 192-J. 2 for 111.00. **NET EACH 59.50**



SUPER FOAM SPEAKER

200C
275C



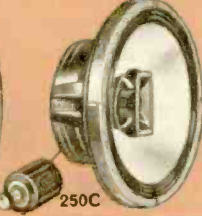
Twinaxiette 8



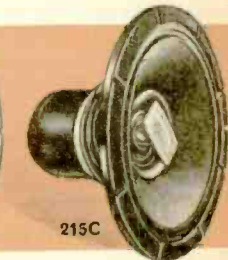
Triaxiom 8



100C



250C



215C

SUPER FOAM SPEAKER

TWINAXIOM 200C 12" SPEAKER. Features new "super foam" cone to assure exceptionally uniform response in the critical bass region of 30 to 2000 cps. Overall frequency range, 30 to 18,000 cps, with crossover at 2000 cps. Additional features: low-resonance floating piston woofer; "axiom plastek propagator" for uniform reinforcement of 2000-18,000 cps range; two-way point source; 1-lb. efficient cylindrical ceramic magnet. Capacity 20 watts. Impedance, 16 ohms. Wt., 10 lbs.

71 DU 180-J. \$5 Monthly. **NET 24.50**

2 SPEAKERS FOR 44.00

TWINAXIOM 275C 12" SPEAKER. Heavy duty version of 200C speaker above. Has 1 1/2 lb. cylindrical ceramic magnet and power handling capacity of 30 watts. Resonance, 35 cps. Frequency range, 30 to 18,000 cps. 16 ohms. Wt., 14 lbs.

71 DU 181-J. \$5 Monthly. **NET 34.50**

2 SPEAKERS FOR 62.00

EXPERTLY DESIGNED WIDE-RANGE SPEAKERS

TWINAXIETTE 8. Heavy-duty dual cone 8" speaker delivering a smooth response from 40 to 18,000 cps. Features Rigidflex hyperbolic free-edge cone suspension and die-cast chassis. 15 watts. 16 ohms. Wt., 8 lbs.

71 D 177-J. **NET EACH 18.95**

2 SPEAKERS FOR 33.90

TRIAxiOM 8. 3-way 8" speaker with response from 40 to 20,000 cps. Electrical crossover at 5000 cps—compression tweeter. Tone control on 30" cable. Capacity, 15 watts. 16 ohms. 10 lbs.

71 D 175-J. \$5 Monthly. **NET 29.50**

2 SPEAKERS FOR 53.00

TRIAxiOM 100C. 12" 3-way speaker featuring 3 radiators concentrically placed to produce smooth sound from 20 to 20,000 cps. Electrical crossovers at 2000, 5000 cps. 20 watts, 16 ohms. 18 lbs.

71 DU 172-J. \$5 Monthly. **NET 34.50**

2 SPEAKERS FOR 62.00

250C. Heavy duty, 12" 3-way speaker. Features: 2 1/2 lb. ceramic magnet; super foam woofer; "axiom plastek" radiator; compression horn tweeter. Smooth response from 20 cps beyond audibility. Crossovers at 2000, 5000 cps. Resonance, 35 cps. 30 watts. 16 ohms. Wt., 25 lbs.

71 DU 170-J. \$5 Monthly. **NET 59.50**

2 SPEAKERS FOR 111.00

550C. Deluxe 12" extra-heavy duty model of above. Has 5-lb. ceramic magnet. Capacity, 50 watts. 16 ohms. 35 lbs.

71 DU 171-J. \$5 Monthly. **NET 79.50**

2 SPEAKERS FOR 149.00

TRIAxiOM 215C. 15" 3-way speaker with response from 20 cps beyond audibility. Rigidflex woofer, "axiom plastek" radiator and compression horn tweeter assure pure sound quality. Crossovers at 2000 and 5000 cps. Resonance, 25 cps. 30 watts. Impedance, 16 ohms. 30 lbs.

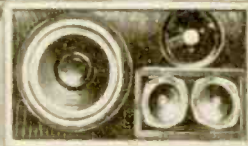
71 DU 182-J. \$5 Monthly. **NET 69.50**

2 SPEAKERS FOR 130.00

AR ACOUSTIC SUSPENSION SPEAKER SYSTEMS



Model AR-2A
Consists of 10" woofer, two 5" mid-range speakers and 1 1/4" super tweeter.



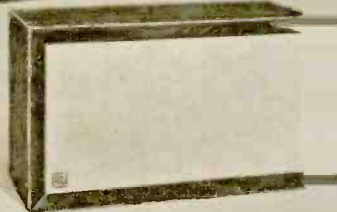
AR-3

Has 12" woofer and dome radiators for mid-range and high frequencies.



AR-1

Has damped 12" woofer and 8" mid and high range unit.



ACOUSTIC SUSPENSION FOR BETTER QUALITY

This extraordinary technique utilizes sealed-in air within the small-size enclosure as a pneumatic spring for the speaker cone during large excursions on very low bass notes. Exceptionally high power-handling capacity of these systems make them ideal for most high-fidelity amplifiers.

AR-2A ACOUSTIC SUSPENSION SPEAKER SYSTEM

As Low As

\$109.00

- Extremely Clean Bass Reproduction
- Super-Tweeter Delivers Purest Highs
- Sealed, Fibreglas-Filled Cabinet
- Finished on all Four Sides

Acoustic suspension design in this exciting 3-way speaker system provides a rich natural bass response; two 5" speakers deliver a full-bodied mid-range; dome-type super tweeter produces sparkling clear highs. Sealed fibreglas-filled cabinet of braced 3/4" hardwood veneer is available in choice of finishes (all four sides): natural birch, mahogany or oiled walnut—and also unfinished. Requires amplifier rated at least 20 watts (for stereo, amplifier should be rated 20 watts per channel). Response, 30 to 20,000 cps. Crossovers at 2000 and 7500 cps. Size, 13 1/2"x24x11 1/2". Dispersion, 90°. Impedance, 8 ohms. 38 lbs.

70 DU 600-J. Natural Birch. \$7 Monthly	NET 122.00
70 DU 601-J. Mahogany. \$7 Monthly	NET 122.00
70 DU 027-J. Oiled Walnut. \$7 Monthly	NET 128.00
70 DU 028-J. Unfinished. \$6 Monthly	NET 109.00

AR-2 ACOUSTIC SUSPENSION SPEAKER SYSTEM

Same as AR-2A, but less super tweeter. Wt., 36 lbs.

70 DU 145-J. Natural Birch. \$5 Monthly	NET 96.00
70 DU 146-J. Mahogany. \$5 Monthly	NET 96.00
70 DU 623-J. Oiled Walnut. \$6 Monthly	NET 102.00
70 DU 147-J. Unfinished. \$5 Monthly	NET 89.00

AR-3 ACOUSTIC SUSPENSION SPEAKER SYSTEM

When space is at a premium and the finest quality sound is desired, this superb 3-way speaker system is the answer. Has 12" woofer with 3 1/4-lb. magnet; 2" mid-range dome radiator with 3 1/4-lb. magnet; and dome tweeter. Crossovers at 1000 and 7500 cps. Has level controls. 38-20,000 cps (±2 db). Needs amplifier rated 25 watts or more (each channel for stereo). 3 finishes, all four sides—unfinished. 14x25x11 1/4". 4 ohms. 60 lbs.

70 DZ 149-J. Natural Birch. \$11 Monthly	NET 216.00
70 DZ 148-J. Mahogany. \$11 Monthly	NET 216.00
70 DZ 624-J. Oiled Walnut. \$12 Monthly	NET 225.00
70 DZ 002-J. Unfinished. \$11 Monthly	NET 203.00

AR-1 ACOUSTIC SUSPENSION SPEAKER SYSTEM

Incomparable sound quality, lines of classic simplicity and compact size characterize this famous 3-way speaker system. Features air-damped 12" woofer for remarkably natural extended bass; 8" mid-range and high-frequency unit for medium and high notes of distilled purity; and 1000 cps crossover network. Frequency range, 38 to 13,000 cps of clean sound throughout. Requires amplifier rated at least 30 watts (for stereo, 25 watts per channel); maximum, 60 watts (for stereo, 50 watts per channel). Three finishes available—all four sides finished for ease of placement. 14x25x11 1/4". Imp. 4 ohms. 52 lbs.

70 DZ 150-J. Natural Birch. \$10 Monthly	NET 185.00
70 DZ 151-J. Mahogany. \$10 Monthly	NET 185.00
70 DZ 152-J. Oiled Walnut. \$10 Monthly	NET 194.00

Speakers That Meet Exacting Professional Standards

MODEL 605A 15" DUPLEX SPEAKER

A speaker designed for those who insist upon the finest in audio reproduction. The 605A is composed of two mechanically and electrically independent loudspeakers mounted on a single frame for compactness, point-source relation, phasing and installation ease. Uses high compliance cone suspension. Delivers frequency range of 20 to 22,000 cps, flat from the lowest to highest note. Bass section has 3" voice coil and 2 1/2 lb. magnet; treble section, 1 1/2" aluminum voice coil. Exponential multi-cellular horn produces 40° vertical and 90° horizontal dispersion. Includes 1600 cycle crossover network. Power handling capacity, 35 watts. Impedance, 16 ohms. Wt., 37 lbs.

71 DU 213-J. \$9 Monthly NET 177.00

755-C 8" SPEAKER

Compact speaker famous for brilliant performance. Employs "Biflex" multiple concentric compliance. Features a remarkable wide frequency range of 40 to 15,000 cps with minimum distortion. Has INDOX V 1 1/2-lb. magnet, edge-wound aluminum voice coil and deep magnetic gap for precise cone control. 2 1/4" deep. Power handling capacity, 15 watts. Impedance 8 ohms. Shpg. wt., 6 lbs.

71 DU 214-J. NET 29.95



755-C

605A

Exciting Speaker Systems by FISHER

KS-1B 3-WAY SPEAKER SYSTEM KIT

- Only 5 1/2" Deep—For Wall, Shelf or Floor
- Factory-Balanced for Smoothest Reproduction
- Easily Assembled in a Few Minutes

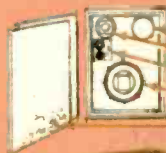
You can see and feel the fine Fisher quality of each component in this outstanding speaker system, as you put together the easy-to-assemble kit. Employs a 10" woofer for extended bass; 5" mid-range unit delivering smooth, widely dispersed sound; 3" super tweeter for brilliant highs; 3-way crossover for best distribution of sound. Range, 40-18,500 cps. Supplied with fiberglass padding to prevent resonance and vibration. Easily assembles with just a screwdriver and small hammer. Only 24x28x5 1/2" deep. Capacity, 40 watts. Impedance, 8 ohms. Crossover frequencies, 1400 and 3000 cps. In unfinished, smooth-sanded solid birch ready for painting or staining. With instructions. 30 lbs.

- 70 DU 153-J. \$5 Monthly NET 59.50
 70 DU 154-J. Model KS-1W Kit. In unfinished, smooth-sanded solid walnut. \$5 Monthly NET 64.50
 70 DU 155-J. Model KS-1A-B. Factory Assembled. Finished in natural birch. \$5 Monthly NET 84.50
 70 DU 156-J. Model KS1-AW. Factory Assembled. Finished in oiled walnut. \$5 Monthly NET 89.50

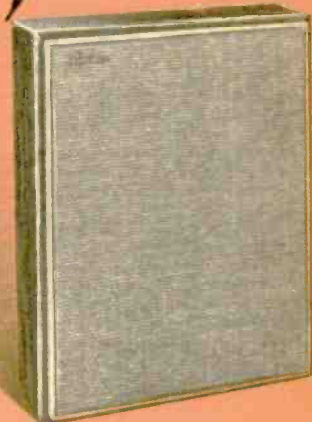
SLIM-LINE 3-Way Kit System

Net
\$59.50
\$5 monthly

Check These Fine Features—



- Mid-Range Speaker
- Super Tweeter
- 3-Way Crossover
- Free-Piston Woofer
- Fiberglass Padding



LAB-DESIGNED- SERIES XP SPEAKER SYSTEMS

Developed to meet exacting requirements and very stringent high-fidelity specifications, these superb speaker systems provide a high degree of undistorted audio power within a minimum of enclosure space.



Versatile 3-Way Systems
For Placement on Shelf or Floor

NEW MODEL XP-4A 3-WAY SPEAKER SYSTEM

A striking departure in speaker design makes possible a new 3-way system delivering much smoother response with extremely low distortion. Impedance changes will not effect response. Customary bass speaker metal supporting frame has been eliminated, allowing use of fiberglass packing directly behind speakers; also has 2" voice coil wound on pure electrolytic copper. Consists of: new "frameless" 12" woofer; two 5" mid-range speakers; 2" tweeter; 3-way crossover network with crossover points at 1200 and 2500 cps; and balance controls. Range: 30 cps to beyond audibility. 14x24 1/2x12". In mahogany or oiled walnut (specify choice). Capacity, 60 watts. Impedance, 8 ohms. Dispersion, 120° in all directions. Wt., 60 lbs.

- 70 DZ 157C-J. Specify finish. \$10 Monthly NET 199.95
 70 DZ 158-J. Unfinished Smooth-Sanded Birch..... NET 189.50

NEW MODEL XP-2A 3-WAY SPEAKER SYSTEM

Redesigned to offer outstanding fidelity and compact size at a moderate price. Has 10" woofer, 5" mid-range speaker, 3" tweeter and two LC crossovers with separation points at 1600 and 5000 cps. Range: 30-15,000 cps. In decorator-finished mahogany or oiled walnut (specify choice). Size, 22x12x11 1/4". Capacity, 30 watts. Impedance, 8 ohms. Shpg. wt., 35 lbs.

- 70 DU 161C-J. Specify finish. \$5 Monthly NET 84.50
 70 DU 162-J. Unfinished Smooth-Sanded Birch..... NET 79.50

MODEL WS-1 MID-RANGE SPEAKER SYSTEM

Improves sound quality of music systems by filling mid-range "hole" and delivering purer highs. 250-12,000 cps. 1 1/2x3 1/4x4 3/4". Walnut finish. Cap., 12 watts. Imped., 8 ohms. 5 lbs.

- 70 DX 595-J. \$5 Monthly NET 24.75

NEW MODEL XP-1A 3-WAY SPEAKER SYSTEM

An improved version of the XP-1, delivering flawless sound quality over an incredibly wide range of 30 cps to beyond the limits of audibility. Consists of: 12" high-compliance, high-efficiency woofer; one 5" mid-range speaker; 3 1/2" tweeter with wide dispersion; L-C crossover networks separating frequencies at 1800 and 3000 cps; brilliance control for perfect sound adjustment of highs to match room acoustics. Also has newly designed 2" long-travel voice coil and dual-diameter magnet for virtual linear transfer of energy to speaker cone. Enclosure is filled with Acoustiglas. 13 1/4x24x11 1/4". In mahogany or oiled walnut (specify choice). Hand-rubbed to a handsome finish. Capacity, 60 watts. Impedance, 8 ohms. Shpg. wt., 45 lbs.

- 70 DZ 159C-J. Specify finish. \$7 Monthly NET 129.50
 70 DU 160-J. Unfinished Smooth-Sanded Birch..... NET 124.50

Compact Enclosures
HI-FI Performance



Model WS-1



Model XP-2A

Your Satisfaction Is Guaranteed



Compact High-Fidelity Speaker Systems

ECONOMICAL MODEL SK-4 SPEAKER SYSTEM KITS

- As Low As** • Now—A Scott-Quality Speaker System in Low-Cost Kit Form
\$79⁹⁵ • Just Install Speaker—Enclosure Is Pre-Assembled for You
\$5 monthly • 3-Way Design—8" Woofer, Mid-Range Unit, Super-Tweeter, and Precision Crossover Network

A new speaker system kit priced far below what you'd expect to pay, with all the quality for which Scott is widely respected. Not only does the remarkable SK4 employ several of the same components used in much higher priced Scott units, it also comes to you with the cabinet *Pre-assembled*. After you mount the components and fasten the grille cloth in place, it cannot be distinguished from a factory-built unit. Distortion-free sound is provided by a low-resonance 8" woofer, and by the same mid-range and super-tweeter units featured in the S-3, below. Also includes crossover network that has made Scott speakers famous for perfectly balanced sound. Response, 40-17,000 cps. 70 watts. 16 ohms. 22x11x9". In unfinished pine. Shpg. wt., 29 lbs.

- 70 DU 163-J.** \$5 Monthly **NET 79.95**
70 DU 164-J. As above, but factory-finished in oiled walnut **NET 89.95**
70 DU 165-J. As above, but factory-finished in mahogany **NET 99.95**



Net
\$199⁹⁵
\$10 monthly

As Low As
\$119⁹⁵
\$6 monthly

MODEL S-2 SPEAKER SYSTEM—SCOTT'S FINEST

- Four Precision Speakers
- Wide-Angle Dispersion
- Covers Entire Audio Range
- Sculptured Wood Panels

Deluxe, compact 3-way speaker system providing extraordinarily smooth response throughout the audio spectrum—without a trace of coloration. Exclusive internal design produces wide-angle sound dispersion that allows the S-2 to be placed anywhere in a room without loss of audio quality. Four-driver acoustic-compliance system features a low-resonance 12" high-excursion woofer; two dual-cone mid-range units; a special wide-dispersion spherical tweeter mounted in its own matched enclosure; and a crossover network. Mid-range units are acoustically isolated to eliminate intermodulation. Response, 30-18,000 cps. 70 watts. (Recommended for use with amplifiers having an output of at least 12 watts per channel.) Impedance, 16 ohms. Only 23 1/4 x 14 1/2 x 12 1/2" deep. In mahogany or oiled walnut—specify. Shpg. wt., 48 lbs.

- 70 DU 618C-J.** Specify finish **NET 199.95**

POPULAR MODEL S-3 SPEAKER SYSTEM

- Compact—Shelf-Sized
- 3 Speakers and Crossover
- Wide-Angle Dispersion
- Fine-Furniture Finish

Book-shelf size 3-way acoustic-compliance system. Features the exclusive wide-angle dispersion design of the S-2, above, to simplify speaker placement in stereo systems. Moderate-cost unit offers precise balance between deep and powerful bass, a clean mid-range and very high treble. Has: 10" woofer; mid-range unit; super-tweeter in matched enclosure; crossover network. Response, 40-17,000 cps. Cap. 70 watts. Imp., 16 ohms. 23 1/2 x 11 3/4 x 9 3/4". Mahogany or oiled walnut—specify. 37 lbs.

- 70 DU 695C-J.** Specify finish **NET 134.95**
70 DU 091-J. Unfinished Pine. 37 lbs. **NET 119.95**

Rek-O-Kut "Sonoteer" Decorator-Styled Hi-Fi Speaker Systems

MODEL CA-70 "CONTEMPORARY" SYSTEM

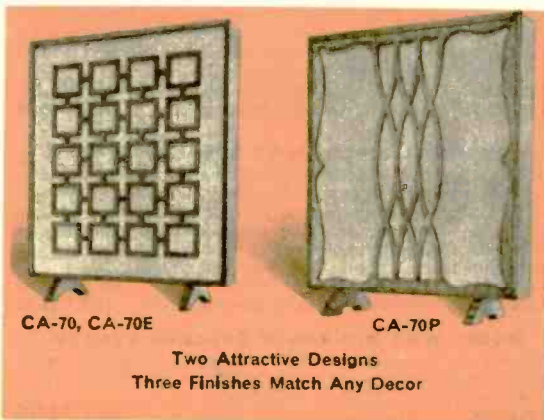
- Net** • Only 4" Deep—Place it Anywhere!
\$79⁹⁵ • 5 Speakers—2 Woofers, 2 Mid-Range Units, and Super-Tweeter for Clean Highs
\$5 monthly • Unique Front and Back Radiation

The slender CA-70 houses five high-fidelity speakers within its cabinet for marvelous sound reproduction—yet it's only 4" deep. Two woofers offer rich, full bass all the way down to 40 cps; two mid-range units and a super-tweeter extend the treble response up to 18,000 cps. Unique front and back radiation assures outstanding performance in any room. In beautiful oiled walnut finish. Capacity, 45 watts. Impedance, 18 ohms. 21x25x4". Shpg. wt., 24 lbs.

- 70 DX 347-J.** \$5 Monthly **NET 79.95**

- 70 DX 349-J.** Model CA-70E "Mandarin". As above, but in gleaming Satin Ebony finish. \$5 Monthly **NET 89.95**

- 70 DX 348-J.** Model CA-70P "Provincial". Same internal design as units above. Fruitwood finish **NET 89.95**

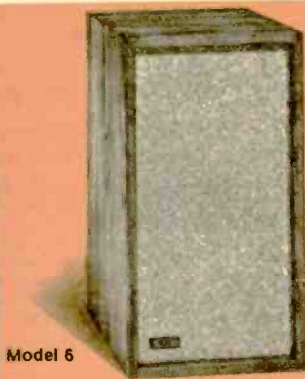


CA-70, CA-70E

CA-70P

Two Attractive Designs
 Three Finishes Match Any Decor

Extended-Range Shelf Speaker Systems



Model 6



Model 7



Model 10

POPULAR MODEL 6 2-WAY SHELF SYSTEM

A wide-range book shelf-size system with an extraordinary transient response for strikingly clean, natural sound. Uses a 12" acoustic-suspension woofer and a smaller direct-radiator with a thin, shell-like cone featuring a suspension technique that permits excursions up to 1/8"—gives extra-clear mid-range. Crossover network uses air-core coils and oil-filled capacitors; 3-position switch controls treble output. Overall response is 32-16,000 cps. Crossover frequency, 1500 cps. 1.3 cubic ft., sealed enclosure is of solid 3/4" veneered plywood. 60-watt capacity (requires 22-watt input, minimum). 8 ohms. 23 1/2"x12 1/4"x11 1/2". Shpg. wt., 36 lbs. \$7 Monthly.

- 70 DU 166-J. Mahogany Finish. NET 129.00
- 70 DU 167-J. Oiled Walnut Finish. \$7 Monthly. NET 134.00
- 70 DU 475-J. Unfinished. \$6 Monthly. NET 119.00

MODELS 7 and 10 SPEAKER SYSTEMS

MODEL 7. A deluxe-quality floor-type system. 2.6 cubic-ft. enclosure extends bass down to 25 cps, and two cone-type radiators extend treble to 20,000 cps. 75-watt capacity (requires 20 watts, minimum). 8 ohms. 24 1/2"x21 1/2"x11 1/2". 52 lbs.

- 70 DZ 606-J. Mahogany Finish. \$10 Monthly. NET 196.00
- 70 DZ 607-J. Oiled Walnut Finish. \$11 Monthly. NET 203.00
- 70 DZ 608-J. Unfinished. \$10 Monthly. NET 189.00

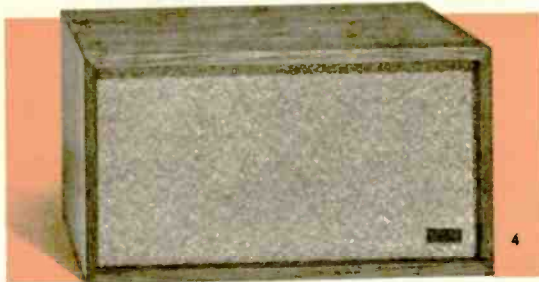
MODEL 10. Economy version of KLH 6. 10" woofer and a cone-type tweeter cover 25-18,000 cps. 60-watt capacity (requires 12 watts). 12x23 1/4"x8 1/8". Shpg. wt., 26 lbs.

- 70 DU 175-J. Mahogany Finish. \$5 Monthly. NET 89.00
- 70 DU 176-J. Oiled Walnut Finish. \$5 Monthly. NET 94.00
- 70 DU 177-J. Unfinished. \$5 Monthly. NET 86.00

DELUXE MODEL 4 2-WAY SHELF SYSTEM

KLH'S finest shelf-size speaker system, the Model 4 is ideal for the audiophile who insists on the finest performance, but requires space-saving equipment. The tightly sealed 1.5 cubic-ft. enclosure houses a 12" acoustic-suspension woofer, two cone-type direct radiators, and a 2-way L-C crossover network. The crossover has controls for independently adjusting the output levels above 1500 and 6000 cps. There are also provisions for driving the low and high-frequency sections separately. Response, 25-20,000 cps. Power capacity, 75 watts (requires a minimum 30-watt input). Impedance, 16 ohms. 13 1/2"x25x12". Shpg. wt., 42 lbs. \$12 Monthly.

- 70 DU 168-J. Mahogany Finish. NET 224.00
- 70 DU 173-J. Oiled Walnut Finish. \$12 Monthly. NET 231.00
- 70 DU 174-J. Unfinished. \$11 Monthly. NET 219.45



E-V FINISHING KITS

Electro-Voice furniture finishing kits give you a professional-like finish on your hi-fi cabinetry. Include: stain filler; sealer; shellac; hi-gloss and satin varnishes; finishing paper; brushes; and easy instructions. Wt., 4 lbs.

Stock No.	Mfr's Type	Finish	NET EACH
82 R 073	FK10	Walnut	5.88
82 R 074	FK20	Cordovan	
82 R 075	FK30	Fruitwood	
82 R 076	FK40	Cherry	
82 R 077	FK50	Golden Oak	
82 R 078	FK60	Ebony	



EICO HFS3K 3-WAY SYSTEM KIT

Shelf-size 3-way speaker system kit with a 12" woofer (has 1 1/4-lb. magnet), an 8" mid-range unit and a 3 1/2" cone-type tweeter. Rigid 3/4" enclosure is pre-assembled—just mount the components on the studs supplied. Built-in 600 cps. L-C network and 4000 cps high-pass filter. Response, 45-14,000 cps. Capacity, 30 watts (requires 10-watt input, minimum). Impedance, 16 ohms. 26 3/4"x13 1/2"x14 1/2". 45 lbs. \$5 Monthly.

- 70 DU 697-J. Unfinished. NET 72.50
- 70 DU 698-J. Oiled Walnut. NET 87.50



NEW UTAH "SORCERER" SYSTEM

This extra-small speaker system gives you "big sound" plus fine furniture quality at surprisingly low cost. An 8" woofer, 3 1/2" tweeter and a 1/2" plywood enclosure combine to deliver rich, low-distortion sound. Response, 40-15,000 cps. The attractive cabinet has a hand-rubbed oiled walnut veneer—its styling matches any decor from Early American through Modern. Measures just 12x20x5"—use it on wall, shelf or floor. Capacity, 12 watts. Imp., 8 ohms. 9 lbs.

- 70 DU 178-J. \$5 Monthly. NET 29.95

Enjoy More Buying Power With Your Allied Credit Fund

3-Way Speakers, FM Antennas and Accessories

Sensational
3-Way Speaker
Values
Thrilling Sound
at Lowest Cost

15-Inch
\$49⁹⁵
\$5 Monthly

12-Inch
\$39⁹⁵
\$5 Monthly

ALLIED/ELECTRO-VOICE 15" SPEAKER

- Deluxe 3-Way Design—Built to Allied's Rigid Specifications
- Radax Mid-Range Cone; "Sonophase" Compression-Type Tweeter With Wide-Angle Treble Dispersion
- Massive Ceramic Magnet
- Tweeter Level Control
- Compare Price—Compare Features—See How Much You Save

Exclusive! Deluxe custom made speaker offers features equal to other speakers selling for up to twice its low price. 3-way design for smooth, transient-free response from 30-20,000 cps. 15" high-compliance woofer with soft suspension gives spectacular bass. Mid-range propagator handles the all-important middle-range frequencies between 2000 and 3500 cps. "Sonophase" throat design tweeter evenly spreads crystal-clear highs through a full 180° arc. Has mechanical crossover at 2000 cps; electrical crossover at 3500 cps; 2" edgewise wound voice coil; tweeter level-control on 36" cable; free-air resonance, 35-45 cps. Heavy die-cast frame keeps all elements perfectly centered. 1½-lb. ceramic magnet. 30-watt capacity. 16 ohms. Depth, 9". 16 lbs.
71 DU 203-J. \$5 Monthly. NET 49.95

ALLIED/ELECTRO-VOICE 12" SPEAKER

Sensational speaker buy—compares with others selling for \$60.00. 3-way unit combines 12" woofer with a Radax-type mid-range propagator and a high-frequency tweeter. Result is maximum bass without boominess, full-bodied mid-range and distinct highs. Response: 35-18,000 cps. Mechanical and electrical crossovers at 2000 and 3500 cps. 1¼-lb. dual-flux ceramic magnet; 2½" edgewise wound voice coil for low transient distortion; tweeter level-control on 42" cable. 20-watt capacity. Impedance, 16 ohms. 6½" deep. Shpg. wt., 15 lbs.
71 DU 205-J. \$5 Monthly. NET 39.95

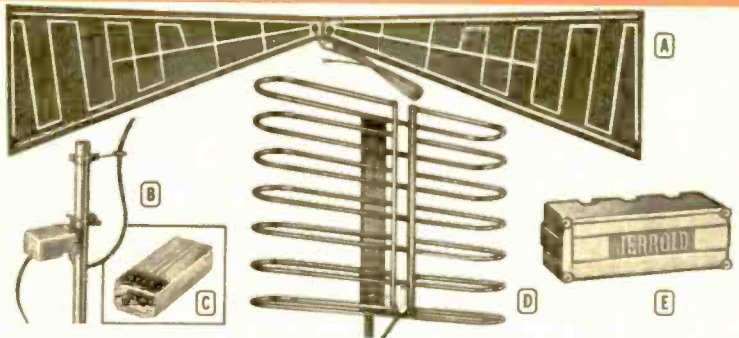
HOW TO GET ALLIED'S Big System Savings

OPEN THE DOOR . . . to thrilling stereo sound in your home right now. How? Just write Allied's Hi-Fi Department. You may have questions about system savings, equipment or installation. You'll want expert advice before buying. Allied's audio consultants will give you the personal attention you want and need. They'll show you the substantial savings that only Allied, the nation's largest hi-fi center, can give you on music systems.

Possibly, you already have certain system components in mind. Or, you may want our staff to make a recommendation on a system tailored to your needs. You'll be pleased with Allied's low discount prices available on system purchases. Write NOW. Our staff is ready to serve you promptly—consultation is FREE.

EASY TO BUY! No Money Down

For as little as \$5 a month you can start enjoying the music system of your choice. Use Allied's convenient Credit Fund Plan. No money down, and up to 24 months to pay. Start with a basic record playing system and add other components at any time you wish—with only your signature required. It's the easiest way!



For Improving FM Stereo Reception

(A) NEW RCA "BRITE SITE" TV-FM ANTENNA. For TV, FM, FM stereo. Printed circuit—fits under rug. With 10 feet of 200-ohm twin line. 52x12". 1½ lbs.
92 CX 418. List, \$3.95. NET 2.45

(B) (C) BLONDER-TONGUE AB-4 ALL TRANSISTOR VHF BOOSTER COUPLER. Power supply (Fig. C) uses 4 cells; provides isolation and 300-ohm match for 4 TV-FM sets. Lead-in supplies DC to amplifier. Amp., 1½x2½x3"; supply, 1½x3x7½". Less cells. 1½ lbs.
71 C 819. List, \$29.95. NET 18.62
55 J 005. Battery For Above. 3 oz. 13

KNIGHT 300-OHM TWIN LINE. (Not illus.) Web 80 mil thick. Polyethylene jacket. Wts.: 50-ft. coil, 1 lb.; 100-ft., 2 lbs.
49 T 477. 50-ft. Coil NET .59
49 T 448. 100-ft. Coil NET 1.09

(D) NEW MARK MOBILE STEREO 7 FM ANTENNA. A 7-element antenna that doubles the power of sensitive multiplex signals. You get twice the signal strength of ordinary antennas—assures you of best stereo FM reception. Omnidirectional aluminum elements for rust-free life. With hardware. Less mast and twin line. 22x30x5½" deep. Shpg. wt., 6 lbs.
92 CX 439. List, \$24.95. NET 14.97

(E) JERROLD TX-FM TV-FM ANTENNA MIXER. Converts your present TV antenna into dual-purpose TV, FM, FM stereo antenna. Designed to provide maximum separation and distortion-free signals necessary for best FM stereo reception. 300-ohm input for lead-in; outputs for TV set, FM tuner. Screw terminals. 4¼x1½x1½". Shpg. wt., 4 oz.
93 C 118. NET 3.57

Stereo Headphones—Personal, Noise-Free Listening



KN
845



**Koss
Pro-4
Headset**



**WM-5
Wall-
Mount**



**Koss
SP-3
Headset**

KNIGHT KN-845 HEADSET

Trim and lightweight—you hardly know it's there! Unbreakable contoured headband of spring steel. Comfortably recessed ear cups. Both headband and ear cushions padded with sponge rubber, covered with smooth leatherette skin. Easy push-in/pull-out headband adjusts for custom fit on any head. *Frequency Response:* 25-16,000 cps. 8-foot cord with phone plug; jack on "L" bracket. 4-16 ohms. Wt., 2 lbs.

95 DX 825-J. \$5 Monthly . . . ONLY 19.95
KN-846 CHAIRSIDE CONTROL. Separate fingertip volume controls for 1 or 2 KN-845 headsets. Switch for turning regular speakers on or off. 1 1/2 lbs.
95 D 826-J. ONLY 7.95

KOSS STEREO HEADSETS AND ACCESSORIES

PRO-4 PROFESSIONAL HEADSET. Fluid filled ear pads. *Response:* 30-20,000 cps. Shatterproof and shockproof. Imp., 4 ohms. 8-foot cord. Wt., 2 lbs.
59 D 051. \$5 Monthly NET 44.10
59 D 054. As above, 600 ohms. **NET 44.10**

WM-5 WALL-MOUNT HEADSET HOLDER. 2 Volume controls. 1/2 lb.
59 D 048. NET 7.79

T-1 HOOKUP BOX. Matching transformers, 600-10,000 ohms. 2 1/2 x 2 x 4". 8 oz.
59 D 189. NET 7.79

T-5 CONTROL. Speaker on-off switch, volume controls. 2 1/2 x 2 x 4". 8 oz.
59 D 188. NET 8.77

SP-3 HEADSET. Thrilling stereo without disturbance. 3/4" dynamic reproducers in each earphone give smooth response from 10-15,000 cps. With 8' cord and T-2 stereo-phone jack for connecting to amplifier. Impedance, 4 ohms. 2 lbs.
59 D 178. \$5 Monthly NET 24.45

SP-5NS DUAL-MODE HEADSET. Stereo plug or 2 mono plugs; switch. *Response:* 10-15,000 cps. 5.3 ohms. 2 1/2 lbs.
59 D 049. \$5 Monthly NET 24.45

SP-5SM HEADSET. Stereo-mono switch; 1 plug. *Frequency Response:* 10-15,000 cps. Imp., 5.3 ohms. Wt., 2 1/2 lbs.
59 D 050. \$5 Monthly NET 24.45

STEREO . . .
For Most Natural
Reproduction
of Sound



**Jensen
HS-1**

**Telex
HDP-53A**

**Jensen
"Space Perspective"**



Sharpe



**Superex
ST-M**



JENSEN HS-1 HEADSET

Lightweight headphones for stereo or mono listening. *Response:* 20-15,000 cps. Noise-excluding foam ear cushions remove for cleaning. High-compliance, curvilinear drivers have moisture-resistant diaphragm. Acoustic rear mesh for uniform bass. With 8-ft. cord, standard headphone plug plus jack and 4 leads for connecting to amplifier. Imp., 8 ohms per channel. 1 1/2 lbs.
59 D 328. \$5 Monthly NET 24.95

TELEX HDP-53A HEADSET

"Dyna-Twin" stereo headphones provide exceptional depth and direction for exciting realism. *Frequency Response:* 30-15,000 cps. Lightweight set weighs only 12 oz. Foam rubber ear muffs keep music in—noise out. Dynamic driver element has "Mylar" diaphragm and self-supporting voice coil. 8 ohms. 14 oz.
59 D 327. \$5 Monthly NET 24.40

JENSEN "SPACE PERSPECTIVE"

CFN-1. Experience the sensation of true private stereo—from both front and sides. No unnatural partitioning of sound. Each ear hears part of opposite amplifier's sound. Works with any 8-ohm headset. 2 1/2 x 4 x 5 1/2". Wt., 1 1/2 lbs.
59 D 055. \$5 Monthly NET 19.50
CC-1. As above, with controls for: on-off; left or right channel only, or stereo with left-right reversal; mono, or stereo with "Space-Perspective" or regular; balance; volume. Jacks for 2 phones. Walnut finish. 4 1/2 x 1 1/2 x 3". 3 1/2 lbs.
59 D 065. \$5 Monthly NET 39.75

NEW SHARPE HEADSET

Comfortable "Live Tone" circumaural ear cushions. Liquid-filled—99% of external noise is eliminated. *Frequency Response:* 20-20,000 cps. Shockproof and shatterproof. Impedance, 10 ohms. 1 1/2 lbs.
59 D 299. \$5 Monthly NET 43.50

NEW SUPEREX HEADSET

ST-M. Woofer, tweeter in each phone. *Response:* 20-20,000 cps. Crossover, mono adapter, cables. Low imp. 2 lbs.
59 DX 063. \$5 Monthly NET 29.35
ST-MH. Above, but high impedance.
59 DX 058. \$5 Monthly NET 34.25
ST-S. Above but, *Frequency Response:* 30-15,000 cps. Adapts for monaural listening. Low impedance. Wt., 2 lbs.
59 DX 059. \$5 Monthly NET 24.45
ST-SU. As above, but with matching transformers and switch for low or high impedance. Shpg. wt., 2 lbs.
59 DX 060. \$5 Monthly NET 29.35
SC-1 CONTROL BOX. Controls volume, balance, on-off. 2 phone screw terminals. ST-M or ST-SU jumper wires. 1/2 lb.
59 D 061. NET 6.81
SC-2. Same as SC-1 but has 2 stereo jacks. For low impedance phones. 1/2 lb.
59 D 062. NET 6.81

Depend on Allied for Those Hard-to-Find Hi-Fi Accessories



AUTHENTIC ITALIAN PROVINCIAL ENSEMBLE

For the discriminating taste—delightful Italian Provincial styling. Includes Model 600 cabinet and two Model 601 enclosures. Cabinet has top-loading phono compartment, 14 $\frac{1}{2}$ " high, 17 $\frac{1}{2}$ " wide and 6 $\frac{1}{2}$ " deep. Upper left has space for tuner and amplifier—17 $\frac{1}{2}$ " wide and 14 $\frac{1}{2}$ " high. Accommodates more than 100 records. Cabinet size, 27 $\frac{1}{2}$ "x38x17". Bass-reflex enclosures take speakers up to 12". Each enclosure, 27 $\frac{1}{2}$ "x17x17". Specify fruit-wood or oiled walr ut. Ensemble wt., 148 lbs.

70 DZ 688C-JJ. Save \$12.00 \$11 Monthly. NET 227.85
 70 DZ 685C-J. Equipment Cabinet Only. 76 lbs. NET 119.95
 70 DZ 686C-J. Speaker Enclosure Only. 36 lbs. EACH 59.95

Specially Designed for HI-Fi Components
 House your system components in elegant Italian Provincial, Contemporary, Danish Modern, or Early American cabinetry. Cabinets and enclosures are built of solid $\frac{3}{4}$ " panels of designated wood, with genuine veneer overlay. Acoustically designed to accommodate monophonic or stereo systems. Each is hand-rubbed to a beautiful finish. **NOTE:** Allied guarantees cabinets and enclosures to have perfectly matched finishes only when an entire ensemble is ordered at the same time.



CONTEMPORARY ENSEMBLE

Up-to-date styling at an economical price. Includes Model 120-B equipment cabinet plus two Model 101-B speaker enclosures. Cabinet has top compartment 13 $\frac{1}{2}$ " high and 18 $\frac{1}{2}$ " wide; blank panels for custom mounting; easy-sliding drop front. Cabinet size, 31x20x18". Speaker enclosures accommodate 12" or 15" speakers. Enclosure size, 31x20x18". Specify mahogany, blonde or oiled walnut finish. Shpg. wt. of entire ensemble, 160 lbs. \$9 Monthly.

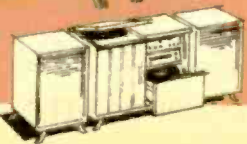
70 DZ 576C-3J. Save \$10.00 NET 189.50
 70 DZ 577C-J. Equipment Cabinet Only. Shpg. wt., 57 lbs. NET 72.50
 70 DZ 578C-J. Speaker Enclosure Only. Shpg. wt., 52 lbs. NET EACH 63.50

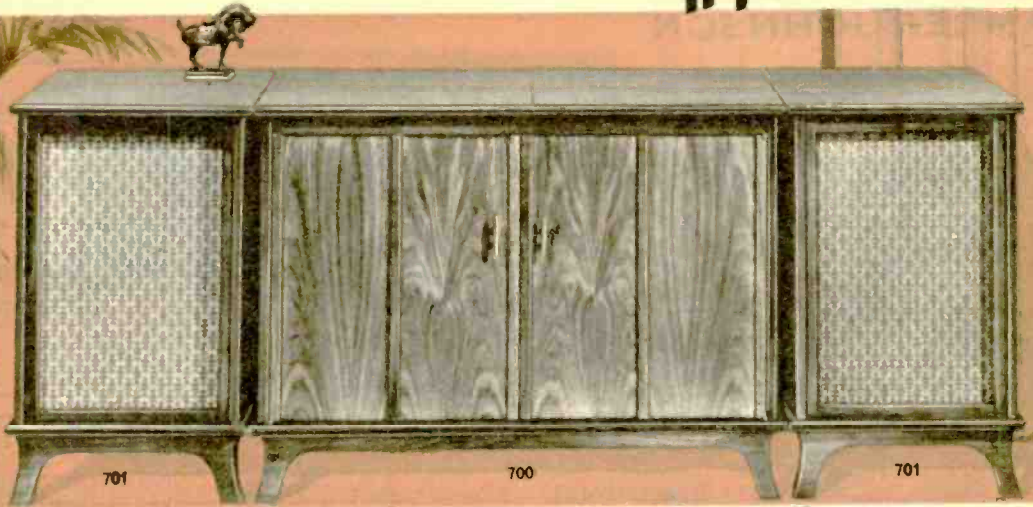


DELUXE CONTEMPORARY

Functional styling with an accent on spaciousness. Includes Model 500-B equipment cabinet and two Model 501-B speaker enclosures. Cabinet has lift-top upper left compartment, 16 $\frac{1}{2}$ "x19 $\frac{1}{2}$ "x6"; upper right section, 13 $\frac{1}{2}$ " high, 18 $\frac{1}{2}$ " wide. Pull-out drawer for changer, turntable or recorder—holds 150 records. Sliding doors. Cabinet size, 31x40x19 $\frac{1}{2}$ ". Each enclosure, 31x20x19 $\frac{1}{2}$ "; take 12" or 15" speaker. Specify mahogany, blonde or oiled walnut. Wt., 226 lbs. \$13 Monthly.

70 DZ 579C-3J. Save \$15.00 NET 264.85
 70 DZ 580C-J. Equipment Cabinet Only. Shpg. wt., 118 lbs. NET 139.95
 70 DZ 581C-J. Speaker Enclosure Only. Shpg. wt., 50 lbs. NET EACH 69.95

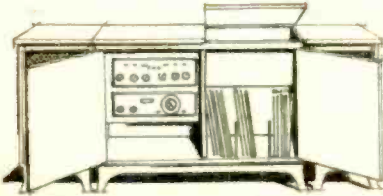




DANISH MODERN ENSEMBLE

For those who enjoy modern contemporary Scandinavian style in their furnishings. Consists of the Model 700 cabinet and two Model 701 enclosures. Cabinet features top-loading phono compartment, 14 1/2" high, 17 1/2" wide and 6 3/4" deep. Upper left for tuner and amplifier—17 1/2" wide and 14 1/2" high. Has blank panel for custom mounting. Lower right has room for 100 records. Hinged doors with

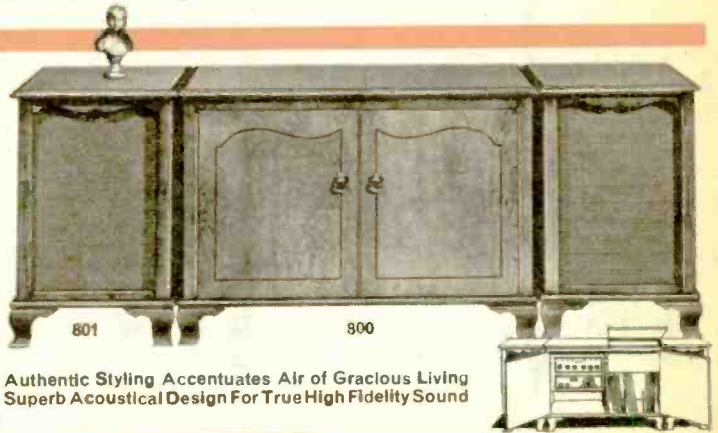
convenient magnetic latches. Overall size of cabinet, 28 1/2"x38 1/2"x17 1/2". Enclosures take speakers up to 12". Each enclosure, 28 1/2"x17x17". Finished in oiled walnut. Wt. 160 lbs. \$12 Monthly
70 DZ 010-3J. Save \$14.00. NET 239.95
70 DZ 000-J. Equipment Cabinet Only. Shpg. wt., 80 lbs.NET 124.95
70 DZ 001-J. Speaker Enclosure Only. Shpg. wt., 40 lbs.NET EACH 64.50



EARLY AMERICAN ENSEMBLE

Designed for comfortable living, ensemble includes Model 800 cabinet and two Model 801 enclosures. Phono compartment, 14 1/2" high, 17 1/2" wide and 6 3/4" deep is top-loaded. Amplifier and tuner space is 17 1/2" wide and 14 1/2" high. Holds 100 records; has panel for custom mounting. Hinged doors have magnetic latches. Overall cabinet size, 27 1/2"x38 1/2"x17 1/2". Each enclosure, 27 1/2"x17x17"—takes up to 12" speaker. Maple finish. 160 lbs.

\$12 Monthly
70 DZ 021-3J. Save \$15.00. NET 244.95
70 DZ 011-J. Equipment Cabinet Only. Shpg. wt., 80 lbs.NET 127.95
70 DZ 019-J. Speaker Enclosure Only. Shpg. wt., 40 lbs.NET EACH 66.00



- Authentic Styling Accentuates Air of Gracious Living
- Superb Acoustical Design For True High Fidelity Sound

MODEL 108 SPEAKER ENCLOSURE

Smartly styled shelf-type enclosure for horizontal or vertical use. Accommodates any 8" speaker, plus tweeter which can easily be added at any time. Beautifully finished on all four sides in rich hand-rubbed veneers. Cane grille cloth. 12x24x12". Choice of mahogany or oiled walnut veneer. 25 lbs.
70 DU 462C-J. Specify Finish. \$5 Monthly NET 27.00

MODEL 112 SPEAKER ENCLOSURE

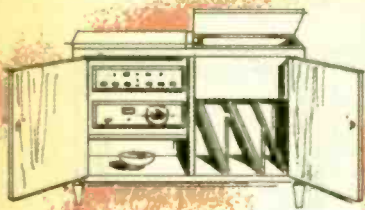
Eye-appealing, acoustically lined enclosure for any 12" speaker and tweeter. Semi back-loaded resonator combined with smart construction in a compact speaker enclosure. Hand-rubbed, genuine veneers on four sides; plastic cane grille cloth. 24x16x13 1/2" (plus 2" base). In mahogany or oiled walnut. Wt., 35 lbs.
70 DZ 073C-J. Specify Finish. \$5 Monthly NET 42.95



HIGHLY VERSATILE COMPACT ENCLOSURE

Model 128. Low-cost shelf enclosure designed for 8" speaker and tweeter. Use singly as hi-fi speaker system or extension unit. Specify mahogany or oiled walnut finish. 19x9x11". Wt., 15 lbs.
70 DU 586C-J \$5 Monthly NET 21.00

GAMBER-JOHNSON



OVATION CABINETRY

Create new standards of elegant styling and functional design. Each ensemble features $\frac{3}{4}$ " construction; hand-rubbed veneers; adjustable shelving; lift-top access to phono compartment; bass-reflex enclosures with adjustable ports. Interior dimensions of all cabinets are identical. Amplifier-tuner section at upper left, 14" high, 17 $\frac{1}{2}$ " wide and 15 $\frac{1}{4}$ " deep; phono section, 10x17 $\frac{1}{2}$ x14 $\frac{1}{2}$ " (equipped with motor board with adjustable height to take turntable, changer or tape deck); lower right storage section, 13x17 $\frac{1}{2}$ x16"—holds 100 records; lower left, 10x17 $\frac{1}{2}$ x16".

Ovation Component Cabinetry



GJ-680

GJ-630

GJ-680

MODERN CONTEMPORARY STYLING

COMPLETE 3-PIECE ENSEMBLE. Styled and designed for today's living and listening. Consists of equipment cabinet and two matching speaker enclosures, in eye-appealing oiled walnut or mahogany. Outer dimensions of cabinet, 30x37x18"; outer dimensions of each speaker enclosure, 30x19 $\frac{1}{2}$ x18". Enclosures are pre-cut for 15" speakers, with 12" speaker adapter boards; have tunable ports to match speakers per-

fectly to enclosures. Finishes of units guaranteed to match only when purchased as ensemble. Specify finish. Wt., 184 lbs.

70 DZ 555C-3J. Save \$12.00. NET 227.85

GJ-630 EQUIPMENT CABINET. 98 lbs.

70 DZ 556C-J. Specify Finish. NET; 119.95

GJ-680 SPEAKER ENCLOSURE ONLY. Shpg. wt., 43 lbs.

70 DZ 557C-J. Specify Finish... EA. 59.95

AUTHENTIC EARLY AMERICAN DESIGN

COMPLETE 3-PIECE ENSEMBLE. Enduring style imparts warmth to its surroundings. Consists of equipment cabinet and two speaker enclosures in harvest maple. Outer dimensions: cabinet, 28 $\frac{1}{2}$ x38 $\frac{1}{2}$ x17 $\frac{1}{2}$ "; each enclosure, 28 $\frac{1}{2}$ x21 $\frac{1}{2}$ x17 $\frac{1}{2}$ ". Interiors of enclosures are identical to Contemporary Ensemble (above). Matching finishes guaranteed only when purchased as ensemble. 194 lbs.

70 DZ 561-3J. Save \$13.50. NET 256.35

GJ-620 EQUIPMENT CABINET ONLY. Wt., 102 lbs.

70 DZ 562J. NET 129.95

GJ-670 SPEAKER ENCLOSURE ONLY. Wt., 46 lbs.

70 DZ 563J. EACH 69.95

GENUINE FRENCH PROVINCIAL

COMPLETE 3-PIECE ENSEMBLE. Bring Gallic charm to your decor with an equipment cabinet and two speaker enclosures finished in authentic Normandy Fruitwood. Outer dimensions: cabinet, 29x38 $\frac{1}{2}$ x18"; each enclosure, 29x21 $\frac{1}{2}$ x18". Interiors of enclosures are identical to Contemporary Ensemble (above). Matching finishes guaranteed only when purchased as ensemble. Shpg. wt., 192 lbs.

70 DZ 897-3J. Save \$15.50. NET 294.35

GJ-640 EQUIPMENT CABINET ONLY. Wt., 102 lbs.

70 DZ 898-J. NET 149.95

GJ-690 SPEAKER ENCLOSURE ONLY. Wt., 46 lbs.

70 DZ 899-J. EACH 79.95

AUTHENTIC ITALIAN PROVINCIAL

COMPLETE 3-PIECE ENSEMBLE. Creates an air of elegance that adds to the enjoyment of fine components. Equipment cabinet and two speaker enclosures are in antique fruitwood. Outer dimensions: cabinet, 29x38 $\frac{1}{2}$ x17 $\frac{1}{2}$ "; enclosure, 29x19 $\frac{1}{2}$ x17 $\frac{1}{2}$ ". Enclosure interiors are identical to Contemporary Ensemble (above). Matching finishes guaranteed only when purchased as ensemble. 184 lbs.

70 DZ 558-3J. Save \$13.50. NET 256.35

GJ-610 EQUIPMENT CABINET ONLY. Wt., 98 lbs.

70 DZ 559-J. NET 129.95

GJ-660 SPEAKER ENCLOSURE ONLY. Wt., 43 lbs.

70 DZ 560-J. EACH 69.95



GJ-670

GJ-620

GJ-670



GJ-690

GJ-640

GJ-690



GJ-660

GJ-610

GJ-660

California-inspired Decorator Styling and the functional use of choice American Black Walnut woods highlight this elegant furniture grouping. Here is truly deluxe cabinetry designed to accommodate and enhance the deluxe high-fidelity music system.

Model H-200



950E STEREO ENSEMBLE

A 4-piece grouping styled in refreshing contours. Provides acoustic excellence as well as roomy housing. Consists of 9561 Equipment Cabinet, two 5062 Speaker Enclosures and a sculptured, one-piece solid-walnut platform base, 8" high. Overall size, 32x96x18". Equipment cabinet features unique paneled tambour doors, two shelves and blank panel for custom installation. Also includes 20" wide by 15" deep top-loading turntable compartment with easy-access touch-top cover; and 20" by 13" record storage space. Overall size of cabinet, 24x48x18". Enclosures accept 12" or 15" speakers. Size of each, 24x24x18". Finished in hand-rubbed oiled walnut. 247 lbs. Save \$29.90.

70 DZ 132-4J. \$19 Monthly...NET 429.95

MODEL 951C STEREO CONSOLE. Same styling and design as above, but more compact. One-piece unit; 8" base; accepts 12" speakers. Touch-top changer compartment, 18x15"; record storage space, 18x15x13". 32x78x18". 150 lbs.

70 DZ 130-J. \$16 Monthly...NET 324.50

9561B EQUIPMENT CABINET ONLY. With 8" base. 32x48x18". 115 lbs.

70 DZ 133-J. \$13 Monthly...NET 254.95

5062 SPEAKER ENCLOSURE ONLY. With 8" base. 26 1/2 x 24 x 18". 66 lbs.

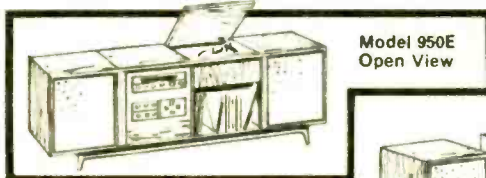
70 DZ 134-J. \$5 Monthly...NET 99.95

MODEL H-200 STEREO CONSOLE CABINET AND ENCLOSURES

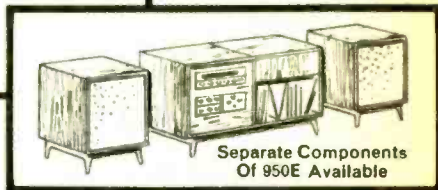
Acoustically superb, offering every convenience, and a masterpiece of stylish simplicity in hand-rubbed oiled walnut finish—the H-200 is an outstanding one-piece cabinet for your stereo music system. Equipment cabinet has spacious lift-top compartment (36x15"), one half holding vertical panel-mounted amplifier and tuner; other half housing turntable. Lift-top cover rises at a touch of your hand to provide access to controls and turntable. Also has convenient pull-out

"browser" drawer (18x15x13") with rack for storing your records. Fully vented. The handsome speaker enclosures at either end are gracefully swept back to broaden stereo distribution. Each enclosure accepts a 12" speaker and utilizes phase-inversion principle for fine audio response. Overall size: 27" high, 18" deep, 78" wide. Allows convenient placement in your home, and proper stereo spread. Shpg. wt., 125 lbs.

70 DZ 129-J. \$12 Monthly...NET 224.95



Model 950E
Open View

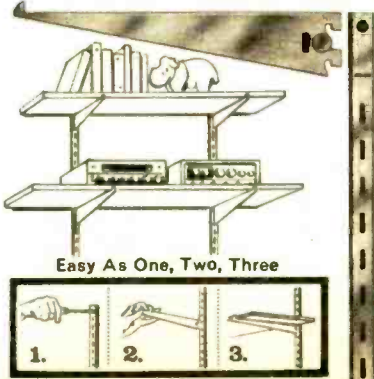


Separate Components
Of 950E Available



Model 950E: 3-Piece Grouping on
Sculptured Base

"BRAX" SUPPORTS FOR SHELF-MOUNTING HI-FI EQUIPMENT



Easy As One, Two, Three

Sturdy pairs of decorative steel wall-mounting strips and shelf supports that can hold a music system or other equip-

ment. Easily installed. For extra-long shelving, use 2 pairs of strips. Less shelves. *Extra heavy-duty with nylon locking cam.

WALL MOUNTING STRIPS

Length	Wt. lbs.	Satin-Silver Stock No.	Black Stock No.	NET PER PR.	Satin-Gold Stock No.	NET PER PR.
24"	1	82 RX 050	82 RX 053	.98	82 RX 056	1.33
36"	2	82 RX 051	82 RX 054	1.36	82 RX 057	1.75
48"	2	82 RX 052	82 RX 055	1.74	82 RX 058	2.15

SHELF SUPPORT ARMS

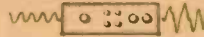
Length	Wt. lbs.	Satin-Silver Stock No.	Black Stock No.	NET PER PR.	Satin-Gold Stock No.	NET PER PR.
8"	1	82 RX 059	82 RX 064	.84	82 RX 069	1.09
12"	1	82 RX 060	82 RX 065	1.16	82 RX 070	1.45
16"	1	82 RX 061	82 RX 066	1.59	82 RX 071	2.29
*16"	2	82 RX 063	82 RX 067	2.39	82 RX 072	3.39

FAIRCHILD

Improve the Performance of Your Stereo System



Adds Realism to Your Records



Recaptures Full "Impact" of Actual Performance



Action Indicators Show Dynamic Expansion



"MUSIC-MINDER"

You Can Fall Asleep to Music—Shuts Off Entire System

NEW FAIRCHILD MODEL 510 "COMPANDER"

Adds an amazing degree of realism to music reproduced by your high-fidelity music system. Assures full-range dynamic reproduction—prevents overloading and distortion when recording. Automatically increases the dynamic range (loudness) of program material compressed during record cutting—without altering the frequency response of any program material. Achieves listening level gain of 6 db or more for greatly enhanced stereo separation. With a flick of a switch, reverse the

action and make it compress (reduce) dynamics for tape recording and background music—prevents overload and sudden playback peaks. Threshold controls permit you to adjust the rate of expansion or compression. Action indicator lights let you see the effect taking place. Easy to install—simply plug stereo phono into the 510, plug 510 into your amplifier. Size, 2¹/₂ x 8¹/₂ x 5". Shpg. wt., 5¹/₂ lbs.

72 SU 043-J. \$5 Monthly... NET 75.00

AUTOMATIC "MUSIC-MINDER"

Now any hi-fi system can be fully automatic. When your changer shuts off after last record is played, entire system is turned off. Changer and amplifier simply plug into "Music-Minder." Manual position for non-automatic operation. For Garrard, Collaro, Thorens and other European-made record changers. 6¹/₂ x 2 x 1¹/₂". Wt., 2 lbs.

82 R 079... NET 5.50

82 R 080. Above, for Webcor, other American-made changers... NET 5.50

ALL-IN-ONE EQUIPMENT CABINET

Beautifully styled, low-cost cabinet provides space to accommodate complete stereo system. Crafted in fine woods, has heavy hardwood top, hand-rubbed walnut veneer. Features two sliding doors for easy access to components. Bass-reflex enclosures take 8" or 12" speakers, are acoustically padded and reinforced to eliminate resonance. Convenient, slide-out changer drawer has blank mounting board (3" below, 6¹/₂" above). Dimensions (HWD): each enclosure, 18¹/₂ x 12¹/₂ x 14"; upper section, 6¹/₂ x 17¹/₂ x 5¹/₂"; lower, 9¹/₂ x 17¹/₂ x 15¹/₂"; overall, 28 x 47¹/₂ x 18¹/₂". Shpg. wt., 85 lbs.

70 DZ 619-J. \$5 Monthly... NET 88.95

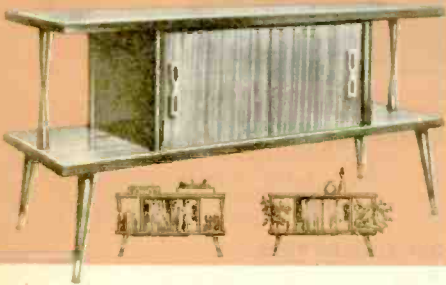
MATCHING RECORD CABINET

A marvelous value, easily stores over 150 LP records. Perfectly matches "all-in-one" equipment cabinet at left; can be used with other contemporary style units. Solid, 3/4" panels; sliding doors, removable dividers; accessories shelf. Oiled walnut. Size, with 8" legs; 28 x 26 x 16". Shpg. wt., 45 lbs.

70 DZ 179-J... ONLY 29.95



Handsomely Styled In Hand-Rubbed Walnut Veneer



NEW! HIGH POINT CABINET

MODEL 8105. Beautifully designed to give your records an attractive home. Featuring modern "low-boy" design, it's a full 40" in length. Stores over 200 records in its huge compartment. Sturdy top holds stereo components, TV, etc. Constructed of durable furniture veneers. Brass hardware on sliding doors and legs. Storage compartment, 23¹/₂ x 17¹/₂ x 13¹/₂"; overall, 26 x 40 x 18". Mahog. or walnut finish. Shpg. wt., 31 lbs.

70 DZ 180C-J. Specify finish... NET 19.88

HIGH POINT 811 CABINET

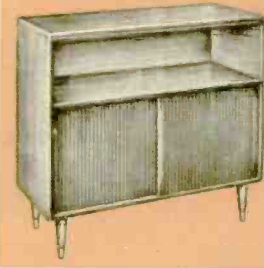
Two-tier record storage cabinet holds up to 600 LP records. Blends well with traditional or contemporary decor. Constructed of sturdy, durable 7-ply veneers with polished brass door pulls and trim. Among its deluxe features are swinging doors equipped with fine-quality magnetic lock catches and heavy brass hinges. Size, 33" high, 27" wide, 15" deep. Available in attractive, hand-rubbed mahogany or walnut finish. 4 lbs.

70 DZ 181C-J. Specify finish... NET 35.95



Holds Up to 600 Records

Mahogany or Walnut Finish



ARISTO-BILT CABINETS

MODEL 211. Attractive, low-cost showcase for hi-fi components and records. Holds 150 albums. Sliding louvered doors cover lower portion of cabinet. Upper compartment, 15 x 24 x 8"; lower, 15¹/₂ x 24 x 13¹/₂"; overall, 30 x 25¹/₂ x 15¹/₂". Legs, 6". Walnut finish. Shpg. wt., 28 lbs.

70 DU 182-J. \$5 Monthly... NET 27.95

70 DU 183-J. Above, unfinished... 19.95

70 DU 186-J. Model 212. Walnut. Holds 200 albums. 34" wide. 33 lbs... 31.95

70 DU 187-J. Above, unfinished... 22.95

"Solar" Grille Cloths

A 82 RX 093. "Pandanus." Imported straw. 27" wide (min. order 1 yd.). Per yd., 15 oz. **NET PER YARD 1.60**
B 82 RX 094. To 10 1/2 yds., **PER YD. . . 1.60**

B 82 RX 095. "Cane." Natural on brown fabric. 36" wide (min. order, 1 yd.). Per yd., 15 oz. **NET PER YD. 2.40**
B 82 RX 096. Over 1 yd., **PER YARD . . . 2.40**

C 82 RX 097. "Cane & Lurex." Brown and tan, gold metallic thread. 36" wide (min. order, 1 yd.). Shpg. wt., per yd., 15 oz. **NET PER YARD 2.95**
B 82 RX 098. Over 1 yd., **PER YARD . . . 2.95**

D 82 RX 099. "Cane." 2-tone beige on brown. 36" width (min. order, 1 yd.). Wt., per yd., 15 oz. **NET PER YARD 2.50**
B 82 RX 100. Over 1 yd., **PER YARD . . . 2.50**

E 82 RX 101. "Lurex." Brown and tan shades, with gold and bronze "Lurex" metallic thread. 36" wide (min. order, 1 yd.). Wt. per yd., 15 oz. **PER YARD 4.00**
B 82 RX 102. Over 1 yd., **PER YARD . . . 4.00**

LOW-COST RECORD CABINETS



Universal Woodcrafters Model C-22

Universal High-Point Model 95

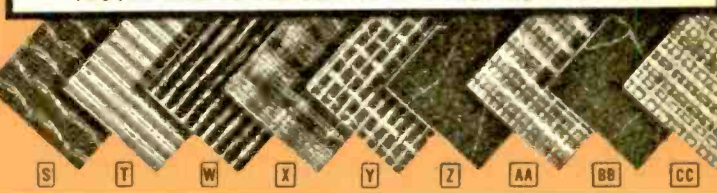


UNIVERSAL WOODCRAFTERS CC-22. Offers richly sculptured doors and center panel. Square tapered legs, ivory-tipped brass ferrules. Top shelf, 26x15x5 1/2", holds amp, etc. Record shelf, 24x15x14", holds 250 LPs. 28 1/2"x18x16" overall. In mahogany or walnut, specify choice of finish. 48 lbs.
70 DZ 188C-J. \$5 Monthly. . . NET 34.95

UNIVERSAL HIGH-POINT 95. Holds over 250 records, sturdy enough to support a TV set, too. Skillfully crafted. Gleaming brass trim, brass hardware and ferrules. 22 1/2"x24x18". Shipped knocked-down, assembles in a few minutes. In mahogany or walnut finish, specify choice when ordering. Wt., 18 lbs.
70 DU 189C-J. NET 12.95

"Acoustone" Speaker Grille Cloths

TESTED AND APPROVED BY U.S. TESTING COMPANY



A wide selection of popular Acoustone speaker grille cloth in highly attractive, color-fast patterns. Match virtually all types of decorative motifs. Made of highly durable Saran plastic in an open weave to permit unrestricted passage of all sound frequencies. Special construction plus professional weaving techniques—never sag or shrink. Shpg. wt., per yard, 15 oz.

BUDGET-PRICED GRILLE CLOTH

Description	Pattern No.	Fig.	Stock No.		NET PER YD.
			In Lengths Over 1 Yd.	36x36"	
Mahogany with Ivory Threads	211	F	82 RX 103	82 RX 104	2.39
Natural Cane	41-X35-45	G	82 RX 106	82 RX 107	2.39
Straw Weave (27" weave only)		H	82 RX 108	82 RX 109	2.39
Blonde and Yellow	615	J	82 RX 110	82 RX 111	2.39
Walnut with Bronze Threads	811	K	82 RX 115	82 RX 116	2.39
Gold and Bronze	213	L	82 RX 117	82 RX 119	2.39

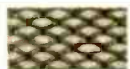
MODERATELY-PRICED GRILLE CLOTH

Blonde with "Lurex" and Brown	515M	M	82 RX 120	82 RX 121	3.29
Beige with Metallic Gold	711M	N	82 RX 122	82 RX 123	3.29
Natural Cane	1809	P	82 RX 124	82 RX 127	3.29
Brown on Beige Cane	2475	R	82 RX 128	82 RX 130	3.29
Mahogany, Beige with Metallic Gold	32-57R-2F	S	82 RX 131	82 RX 132	3.29
Blonde, Beige with Metallic Gold	831	T	82 RX 133	82 RX 134	3.29
Ebony and Natural Cane	1824	W	82 RX 137	82 RX 138	3.29

DELUXE GRILLE CLOTH

Beige and Brown with Metallic Gold	2025	X	82 RX 139	82 RX 140	3.95
Walnut and Tan Cane with Metallic Thread	1803	Y	82 RX 146	82 RX 147	3.95
Black with Gold Cobweb	453	Z	82 RX 148	82 RX 149	3.95
Beige and White with Metallic	814BM	AA	82 RX 150	82 RX 151	3.95
Dark Mahogany with Metallic	300	BB	82 RX 152	82 RX 153	3.95
Beige, White and Tan with Metallic Thread	7104	CC	82 RX 154	82 RX 155	3.95

CUSTOM CABINET ACCESSORIES



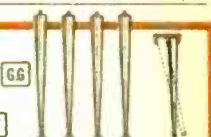
DD



EE



FF



GG

G-C DECORATIVE METAL GRILLE

DD Brushed-brass finish. Diamond pattern. 2 1/4"x7/8". 4 lbs.
82 RX 090. 12x18". NET 1.76
82 RX 091. 18x24". NET 3.23
82 RX 092. 24x36". NET 6.14

SPEAKER REDUCER RINGS

EE For mtg. small speakers in larger enclosures. 3/4" plywood. With hardware.
MODEL R/R 12/8. For mounting 8" speaker in 12" speaker cabinet. 1 lb.
82 RX 298. List, \$2.00. NET 89c
MODEL R/R 15/12. For mounting 12" speaker in 15" speaker cabinet. 1 1/2 lbs.
82 RX 299. List, \$2.75. NET 1.19

BARZILAY OIL FURNITURE FINISH

FF Liquid preparation gives soft luster to oiled walnut furniture finishes. A blend of eight basic oil compounds, including 40% "solids." 8-oz. Wt., 1 lb.
82 R 089. NET 1.95

TAPERED BRASS LEG KITS

GG Include four dual-purpose mounting brackets that let you affix legs to cabinet in either straight or angle position. Kit includes 4 legs and screws. Hand-somely finished in brass.
82 R 081. 4" Kit. 2 lbs. NET 2.49
82 R 082. 6" Kit. 3 lbs. NET 2.79
82 R 083. 12" Kit. 4 lbs. NET 3.79
82 R 084. 14" Kit. 5 lbs. NET 4.19

UNFINISHED TAPERED WOOD LEG KITS

GG Same as kits, above, but legs of sanded, unfinished hardwood.
82 R 085. 4" Kit. 1 1/2 lbs. NET 1.79
82 R 086. 6" Kit. 1 3/4 lbs. NET 2.09
82 R 087. 12" Kit. 2 1/2 lbs. NET 2.49
82 R 088. 14" Kit. 2 3/4 lbs. NET 2.79

ROBINS

Accessories That Preserve Fidelity



Complete Record Care Kit



Add Hours of Playing Time to Your Records With These Valuable Accessories

A **ESK-3 RECORD CARE KIT.** Ends all record care problems. Has everything you need for preserving the life and quality of your records. Contains: stylus pressure gauge; turntable level; stylus microscope; cleaning cloth; needle brush; record brush; arm lift. Wt., 1 lb.
82 R 000NET **3.38**

B **E15-S PLASTIC RECORD COVERS.** Protective sleeves for your 12" records. Made of durable polyethylene plastic with thermoset seams to resist tearing, they keep records free from dust and moisture. Packed 15 sleeves to a package—in plastic envelopes. Wt., 7 oz.
82 R 001NET PER PKG. **58c**

C **NB-1 "KLEENEEDLE" BRUSH.** Automatic protection for your needle and records. Whenever arm is cycled, stylus is wiped over brush. Removes accumulations of dust, lint, etc. from needle tip—reduces distortion. Base has adhesive pad for very easy mounting. Shpg. wt., 4 oz.
82 R 002NET **95c**

D **TL-1S TURNTABLE LEVEL.** Don't gouge your records because of a tilting turntable—this easy-to-use leveler employs an air bubble indicator to ensure accurate leveling in any circumstance. With it you'll be sure of correct tracking of lead-in and changer trip grooves; even wear of records and needle. In lifetime gold-anodized aluminum case. 4 oz.
82 R 003NET **59c**

SD-4S "STROB-DISC." (Not illustrated.) Make sure that your turntable is rotating accurately. Just place the "Strob-Disc" on the turntable under neon light—you'll know immediately whether the turntable is correctly rotating at 16 $\frac{1}{2}$, 33 $\frac{1}{3}$, 45 or 78-rpm. Shpg. wt., 2 oz.
82 R 004NET **20c**

E **PC-12S POLYESTER PHONO CUSHION.** Low-cost polyester foam mat that protects records played on changers. With cushion, records drop gently and safely. 12" diameter; $\frac{3}{16}$ " thick. Wt., 3 oz.
82 R 005NET **69c**

82 R 006. As above, but 10" in diameter. Shpg. wt., 3 oz.NET **59c**

F **RB-75S CLIP-ON RECORD BRUSH.** Soft camel hair brush that mounts on pickup arm and brushes record ahead of stylus to remove dust from grooves. Selected, lightweight fibers will not scratch record. Just clip into place—won't interfere with tone arm tracking or stylus pressure. Shpg. wt., 3 oz.
82 R 007NET **29c**

G **SE-900 ANTI-STATIC "ATOMIC JEWEL."** A tiny jewel, on a clip, acts as an extremely effective static neutralizer. Makes records dust-resistant by neutralizing static electric charges that attract dust. Weighs less than 1/50 of an ounce. Clips to tone arm. Reduces record noise; lengthens record life. 3 oz.
82 R 008NET **2.70**

H **IP-16S ACOUSTIC ISOLATION PAD.** Designed by experts to minimize acoustic feedback, reduce noise and protect furniture finishes from heat. Fits beneath record changer bases, recorders, amplifiers, preamps, etc.—absorbs vibrations. Can be used beneath TV chassis. Of highly resilient urethane foam. Size, 13 $\frac{1}{2}$ x16 $\frac{1}{2}$ ". Shpg. wt., 12 oz.
82 R 009NET **1.00**

RA-45M 45-RPM RECORD INSERTS. (Not illus.) Durable metal inserts that easily snap into record center hole and hold position indefinitely. 5 per package. Shpg. wt. per pkg., 4 oz.
82 R 010NET PER PKG. **21c**

J **MX-1 STYLUS INSPECTION MICROSCOPE.** For easily inspecting stylus tip. Quickly reveals imperfections and signs of wear. Features: 4 precision-ground optical glass lenses for clear magnification; knurled focusing adjustment; convenient slot at end of microscope for holding needle steady; and pocket clip. Size, 3 $\frac{1}{4}$ " long; $\frac{1}{2}$ " diameter. Wt., 5 oz.
82 R 011NET **1.49**

K **"SYL-A-SCOPE" NEEDLE TIP CHECKER.** A simplified version of an optical comparator used for examining tiny parts. Accurate and easy to use, it provides a magnified, illuminated image showing the detailed contour of any needle tip. All you have to do is place the pickup arm on the rest bar with the stylus set into an opening. Switch on the "Syl-A-Scope" and see a clear, magnified picture of the tip projected on an illuminated screen—ready for examination.

SG-33 "SYL-A-SCOPE" JR. Low cost, portable battery-operated model. Employs two replaceable penlight batteries available anywhere. In plastic case, 5 $\frac{1}{2}$ x3 $\frac{1}{2}$ x1 $\frac{1}{2}$ ". With switch and bulb. Less batteries, below. Shpg. wt., 12 oz.
82 R 012NET **4.49**

BATTERIES FOR ABOVE. Uses 2, 3 oz.
55 J 020NET EACH **10c**

SG-66 PROFESSIONAL "SYL-A-SCOPE." Deluxe AC model with extra-sharp optical system, higher power enlargement, and larger screen. A precision optical tool for use by recording studios and broadcast stations, serious record collectors, hi-fi technicians, etc. Metal housing, 7x5 $\frac{1}{2}$ x3 $\frac{1}{4}$ ". Complete with switch, line cord and bulb. For 110-120 volts, 60 cycle AC. Wt., 1 $\frac{1}{2}$ lbs.
82 R 013NET **13.46**

Accessories for Record Changers and Turntables

L **ESK-5 STROBE LIGHT KIT.** Shows you if your turntable is moving at the proper speed. Consists of stroboscopic card and neon lamp. Just put strobe disc on turntable, set to desired speed and hold lamp over appropriate dots. For 110-120 v., 60 cycle AC. Wt., 6 oz.
82 R 014NET **98c**

M **ESK-1S BALANCED SOUND KIT.** Ensk-1s a quick-reading stylus pressure gauge and very accurate turntable level. With pressure gauge, you can quickly determine the correct stylus pressure. Turntable level indicates whether there is the slightest tilt. Shpg. wt., 4 oz.
82 R 015NET **98c**

N **ESK-45 TURNTABLE LEVELING KIT.** A low-cost kit that permanently levels turntable to exact requirements. Has 4 adjustable rubber feet with mounts, and an air bubble indicator that mounts to base. Shpg. wt., 1 lb.
82 R 016NET **1.80**

P **CC-US RECORD CHANGER COVER.** For use with Garrard, Glaser-Steers, Collaro and most other popular record changers. Plastic—17x15x8 $\frac{3}{4}$ ". 6 oz.
82 R 017NET **98c**

P **CC-TUS TURNTABLE COVER.** Fits Fairchild, Rek-O-Kut, Garrard and many others. 22x16 $\frac{1}{2}$ x9". Wt., 6 oz.
82 R 018NET **1.25**



Handy Accessories for Every Music System



Storage, Equipment and Record Care Accessories

A **TURNTABLE LEVEL.** Precisely levels turntables and record changers with aid of water bubble indicator. 6 oz.
82 R 019 **NET 1.50**

B **"PIC-A-DISC" RECORD HOLDER.** Minimizes record warping by using ringed-wire record retainers that also make selection quick and easy. Holds fifty 7", 10" or 12" records in jackets. Brass finished steel. Shpg. wt., 5 lbs.
82 RX 020 **NET 4.98**

C **ESL "DUST BUG."** Lightweight plastic arm with fine nylon brush, pad-type dust collector and pad cleaning fluid. Arm suction-cup mounts to base. Brush loosens dust and dirt in record grooves—pad picks it up. Fluid cleans pad. 8 oz.
82 R 021. For Changers **NET 4.75**
82 R 022. For Turntables **NET 5.75**

D **LEKTROSTAT RECORD CLEANING KIT.** Contains plastic bottle (1 1/4 fluid oz.) of anti-static detergent fluid, and tufted wiping pad. Apply fluid to record; then wipe with pad. Shpg. wt., 5 oz.
82 R 023 **NET 1.96**

E **DELUXE 12" RECORD ALBUM.** Unusually sturdy, with 12 tough Kraft paper envelopes in binder. Has inside cover index. Fabrikoid cover. 2 1/2 lbs.
82 RX 024 **NET EACH 1.75**
3 or More **NET EACH 1.49**

E **DELUXE 7" RECORD ALBUM.** As above, for 7" records; less index. 12 oz.
82 R 025 **NET EACH 1.15**
3 or More **NET EACH 99c**

F **DISC STORAGE AND CARRYING CASES.** Metal or fiberboard. 12" cases hold thirty 12" records; have numbered index separators. 7" cases hold seventy-five 7" records; have numbered index and separators. Metal cases styled in red and white. Fiberboard cases are black with gold thread pattern and white trim. Sizes: 12" cases—13 1/2"x13 1/4"x4 1/4"; 7" cases—7 1/4"x6x7 1/2". With plastic handles.
12" METAL CASE. Wt. 5 1/4 lbs.
82 RX 026 **NET EACH 4.95**

12" FIBERBOARD CASE. 3 1/2 lbs.
82 RX 027 **NET EACH 3.95**

7" METAL CASE. Wt., 3 1/2 lbs.
82 RX 028 **NET EACH 3.45**

7" FIBERBOARD CASE. 2 1/2 lbs.
82 RX 029 **NET EACH 2.95**

G **WALCO ANTI-STATIC RECORD SPRAY.** Deposits thin anti-static film on record surface. Aids in preventing records from accumulating dust and lint. In 6-oz. aerosol spray can. 7 oz.
82 R 030 **NET EACH 88c**

H **ROTRON EQUIPMENT COOLING FAN.** New deluxe "Whisper Fan" inaudibly cools amplifiers, tuners, tape recorders, etc. Lengthens tube and equipment life—improves their performance. 4 1/4" sq. x 1 1/2" deep. 60 cfm. For 110-120 v. 60 cycle AC. 1 1/4 lbs.
82 R 031 **NET 14.85**

Stylus Pressure Gauges and Arm Positioner

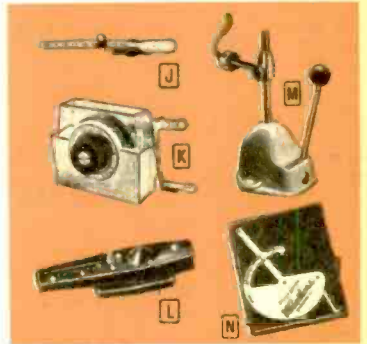
J **WALCO PRESSURE GAUGE.** Sets pressure from 2 to 10 grams without using springs or cams. Just set correct weight for your cartridge (as recommended by the cartridge manufacturer) on the gauge. Adjust counterweight on tone arm until it's in balance. Wt., 6 oz.
82 R 032 **NET 1.00**

K **GARRARD PRESSURE GAUGE.** Accurately measures weight exerted by the needle on a record. Markings in one gram intervals to 10 grams. All moving parts are of lightweight alloy, sealed for added protection. Shpg. wt., 5 oz.
82 R 035 **NET 2.95**

L **"MICRO-GRAM" PRESSURE GAUGE.** Uses system of weights and balances. Imported, Japan. 8 oz.
82 R 036 **NET 1.98**

M **DEXTRAFIX ARM POSITIONER.** Gently and accurately raises or lowers pick-up arm with lever-type control. Stop is adjustable to all record sizes. Adjusts to any pickup arm height. Wt., 5 oz.
82 R 037 **NET 3.95**

N **WEATHERS PRESSURE GAUGE.** Indicates pressure with calibrations from 0 to 10 grams. Shpg. wt., 5 oz.
82 R 041 **NET 2.00**



Accessories for Custom Installations

P **FIBERGLAS ACOUSTIC INSULATION.** Prevents distortion in speaker enclosures. 1x24x60". Wt., 2 lbs.
82 RX 042 **NET 1.32**

R **AUDIOTEX REMOTE CONTROL.** Turns music system, or appliances on or off from any place in your home, by means of switches installed in outlets or cabinets. Capacity, 10 amps at 110-120 volts, AC. Supplied less wire (see 3-Conductor Wire, listed below).
30-300. Includes power control unit with 3 switches (add any number of switches desired—see below). Wt., 2 lbs.
82 R 044 **NET 13.52**

82 R 045. Extra Switch. 5 oz. **1.32**

3-CONDUCTOR WIRE. 100-ft. coll. 2 lbs.
47 T 360 **PER 100 ft. 2.43**

S **15" PHONO DRAWER SLIDES.** With ball bearings. Extend 11". 4 lbs.
82 R 046 **NET 1.90**

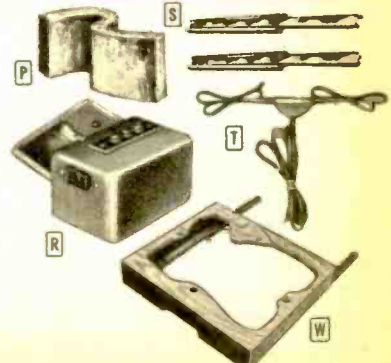
82 R 047. As above, but 13" **NET 1.90**

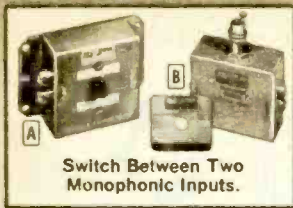
82 R 048. 18" Phono Drawer Slides. Extend 16". Shpg. wt., 5 lbs. **NET 3.50**

T **FM 300-OHM TWIN LINE ANTENNA.** Folded dipole. 6-ft. lead-in. 6 oz.
92 C 019 **NET 99c**

W **UNFINISHED RECORD CHANGER BASES.** With ball bearing drawer slides; pre-drilled holes. 3 1/2"x16 1/4"x1 1/4". Shpg. wt., 8 lbs.

Stock No.	Pre-Cut For Use With:	NET EACH
73 RX 042	Webcor 1000 Series	7.75
73 RX 048	Garrard Type A	
73 RX 045	Garrard A16, "Autoslim"	
73 RX 049	Uncut, with blank top	





Switch Between Two Monophonic Inputs.

DUO-JACK SWITCH BOXES

For feeding either of two different monophonic signal sources into a single amplifier input without changing cables. Switch selects which signal is to be fed into the amplifier. Two phono jack inputs, one output cable. Cable has 18" length and is tipped with phono plug.

A MODEL 30-294 SURFACE MOUNT SWITCH BOX. For installation on shelf, wall, etc. Shpg. wt., 10 oz.
82 R 156.NET 1.76

B MODEL 30-296 PANEL MOUNT SWITCH BOX. For mounting in wood panels to 3/8" thick. 10 oz.
82 R 157.NET 2.20

Audio Switches and Controls by AUDIOTEX



SPEAKER SELECTOR SWITCHES

L-PAD VOLUME CONTROLS

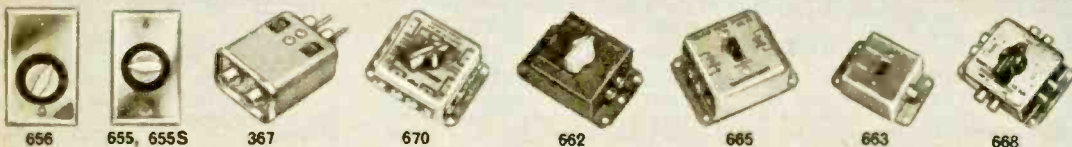
Provide convenient remote control speaker volume, with no loss of audio quality. Stereo types control both speakers simultaneously. Rated 10 watts; 1 watt peak. Screw-type terminals. With hardware, instructions. 8 oz.

Stock No.	Model No.	Fig.	Impedance	Mode	Type of Mounting	NE
82 R 158	30-364	E	8 ohms	Mono	Wall Plate—standard outlet box	2.9
82 R 159	30-366	E	16 ohms	Mono	Wall Plate—standard outlet box	2.9
82 R 160	30-372	E	8 ohms	Stereo	Wall Plate—standard outlet box	5.0
82 R 161	30-374	E	16 ohms	Stereo	Wall Plate—standard outlet box	5.0
82 R 162	30-376	F	8 ohms	Mono	Surface Mount—self-contained box	4.1
82 R 163	30-378	F	16 ohms	Mono	Surface Mount—self-contained box	4.1
82 R 164	30-380	F	8 ohms	Stereo	Surface Mount—self-contained box	6.1
82 R 165	30-382	F	16 ohms	Stereo	Surface Mount—self-contained box	6.1
82 R 166	30-384	G	8 ohms	Mono	Panel Mount—1" shank, dial plate	2.0
82 R 167	30-386	G	16 ohms	Mono	Panel Mount—1" shank, dial plate	2.0

SPEAKER SELECTOR SWITCHES

Select any combination of 1 to 3 speakers. Switch matches impedances as various combinations of speakers are used. Screw terminals. Av. shpg. wt., 1/2 lb.

C 30-388 WALL PLATE. Stereo.
82 R 169.NET 2.9
D 30-360 SURFACE MOUNT. Mono
82 R 170.NET 3.2



SWITCHCRAFT Audio Switches and Controls

656 SPEAKER VOLUME CONTROL. L-pad with "Off" position—cuts off speaker completely. Brass wall plate—fits standard electrical outlet boxes. Rated 10 watts. 8 ohms. 4 1/2 x 2 1/2 x 1 1/2". 10 oz.
82 R 172.NET 4.09

655 MULTI-SPEAKER SELECTOR SWITCH. Selects any combination of 3 speakers. Brass wall plate—fits standard electrical outlet boxes. Maintains constant impedance regardless of switch position. Screw terminals. 4 1/2 x 2 1/2 x 1 1/2". Shpg. wt., 8 oz.
82 R 180.NET 3.30
82 R 175. 655-S. Same as 655, except stainless steel wall plate.NET 3.30

367 DUAL VOLUME CONTROL ADAPTER. For two-channel, high-impedance circuits. Ideal for stereo. Two phono jack inputs, two phono plug outputs, with separate recessed volume controls. 8 oz.
82 R 185.NET 4.50

670 STEREO SPEAKER SWITCH. 3-position—select either or both pairs of stereo speakers. Screw terminals. 8 oz.
82 R 186.NET 3.70

662 STEREO-MONO SELECTOR WITH CHANNEL REVERSE. Switches from stereo to mono at amplifier input; plus channel reverse. Phono jacks. 1 1/2 x 2 x 2". Shpg. wt., 10 oz.
82 R 191.NET 2.06

655 SPEAKER-PHASE CONTROL. Provides proper phasing in stereo and other multiple speaker installations. Surface mounting. 2x2x1". 10 oz.
82 R 192.NET 1.47

663 PHONO-TUNER ADAPTER. Feeds either of 2 monophonic signal sources into a single amplifier input. Phono jacks. Surface mounting. 2x2x1". 10 oz.
82 R 193.NET 1.50

668 STEREO SELECTOR SWITCH. Feeds both channels of any of 3 stereo sources into a stereo amplifier input. Phono jacks. Surface mounting. 2x2x1". 10 oz.
82 R 194.NET 3.30

Audio Switches and Controls by VIDAIRE



SPEAKER SELECTOR SWITCHES. Quality switch panels for multi-speaker monophonic or stereo systems. Wiring instructions include details on selecting the correct resistors to maintain proper impedance. Less resistors. Include 3 1/2 x 2 1/2", brass plates, hdwe. 8 oz.
MS-6. Switches up to 6 speakers in monophonic installations.
82 R 196.NET 2.10

MS-12. As above, but controls 6 pairs of speakers for stereo, or 12 speakers in monophonic applications.
82 R 197.NET 2.64

STEREO SPEAKER EQUALIZER WITH PHASING SWITCH. L-pad controls adjust speakers in stereo system for equal output. Minimizes need for unbalancing amplifier. Includes phasing switch. Brass plate. Hdwe. 2 1/2 x 4 1/2 x 2 1/2". 10 oz.
82 R 198. Model SE-8. 8 ohm.
82 R 200. Model SE-16. 16ohm. EA. 7.17

RS-102-SPEAKER SELECTOR SWITCH. 3 positions—selects either or both of 2 speakers. Brass plate. With hardware. 2 1/2 x 2 1/2 x 1 1/2". 8 oz.
82 R 201.NET .98

RF-10 SPEAKER FADER CONTROL. Provides variable distribution of volume between main speaker and remote speaker. Decreases volume of one speaker while increasing volume of the other (does not maintain constant impedance). For 4-8 ohm speakers. Rated 5 watts. Brass plate. Hdwe. 2 1/2 x 2 1/2 x 1 1/2". 8 oz.
82 R 202.NET 1.15

SP-5 SPEAKER PHASING SWITCH. Reverse polarity of one of two stereo speakers when necessary to insure proper phasing. Brass plate, 2 1/2 x 2 1/2". 4 oz.
82 R 203.NET 1.05

Phono Motors, Accessories



Model TR



Model RM4-3



BX Series



JPT8



D-10



240X1

GENERAL INDUSTRIES MODEL TR. 3-speed phono motor with 9" turntable. 2-pole motor. 33 $\frac{1}{2}$, 45 and 78 rpm. With 45-rpm adapter. 3 $\frac{1}{2}$ "x5 $\frac{3}{4}$ "x5 $\frac{3}{4}$ ". Requires 1 $\frac{1}{8}$ " row mtg. plate. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.

R 115. List, \$12.45. **NET 7.47**

GENERAL INDUSTRIES MODEL DSS. Illustr. 3-speed phono motor with 10" turntable. 4-pole, shaded-pole motor. $\frac{1}{2}$, 45 and 78-rpm. With 45-rpm adapter, "in-Off" switch. 4 $\frac{3}{4}$ "x6 $\frac{1}{4}$ "x6 $\frac{1}{4}$ ". 2 $\frac{1}{2}$ " below mtg. plate. For 110-120 volts, 60 cycle AC. 6 $\frac{1}{2}$ lbs.

R 107. List, \$25.75. **NET 15.45**

GENERAL INDUSTRIES MODEL SS. Illustr. Phono motor with 8" turntable. pole motor; 33 $\frac{1}{2}$, 45 and 78 rpm. With 45 rpm adapter. 3 $\frac{1}{4}$ "x4 $\frac{1}{2}$ "x4 $\frac{1}{2}$ " without turntable. 2 $\frac{1}{2}$ " below mtg. plate. For 110-120 v., 60 cycle AC. 4 lbs.

R 108. List, \$10.95. **NET 6.57**

R 109. SS-4. As above, but has 4th speed (16 $\frac{2}{3}$ rpm). **NET 7.05**

GENERAL INDUSTRIES MODEL RM4-3 PHONO MOTOR. 33 $\frac{1}{2}$ -rpm phono motor with 10" turntable. Heavy-duty, rim-drive 4-pole motor—rubber insulated from mounting plate for quiet operation. 3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x3". Requires 2 $\frac{1}{8}$ " below mtg. plate. For 110-120 v., 60 cycle AC. 9 lbs.

79 R 105. **NET 15.90**

GENERAL INDUSTRIES SERIES BX BATTERY-OPERATED PHONO MOTORS. Dependable phono motors that operate on four flashlight cells (below). 2-pole enclosed motor has self-lubricating bearings. Model BX has neutral "off"—shift lever can be placed on either side of the turntable. 6 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x2 $\frac{3}{4}$ ". Require 2" space below mtg. surface. 1 lb.

Stock No.	Model	RPM	NET EA.
79 R 100	BX	45, 33 $\frac{1}{2}$, 16 $\frac{2}{3}$	10.20
79 R 102	BX-X	78, 45, 33 $\frac{1}{2}$	10.65
79 R 101	BX-45	45	8.85

TYPE 2 BURGESS BATTERY. For all Series BX phono motors. Use 4, 6 oz.

55 J 005. **NET EACH 13c**

GENERAL INDUSTRIES D-10 RECORDER MOTOR. Heavy-duty 4-pole, shaded-pole induction type. For use in almost any tape, wire or disc recorder being made. Clockwise or counter-clockwise rotation. 1/70 HP; free speed, 1740 rpm. Max. running torque: 11 oz./in. 1 $\frac{1}{16}$ " dia. shaft. 3 $\frac{3}{4}$ "x3 $\frac{3}{4}$ "x3". 3" below mtg. plate. For 110-120 v., 60 cycle AC. 3 lbs.

79 R 106. List \$15.00. **NET 9.00**

ALLIANCE JPT8. 3-speed phono motor with 8" turntable. Constant speed, rubber shock-mounted 2-pole motor. 33 $\frac{1}{2}$, 45 and 78 rpm. With 45-rpm adapter. Mounts in 4 $\frac{3}{4}$ "x5 $\frac{1}{4}$ " cutout. Requires 2 $\frac{1}{2}$ " below base plate. For 110-120 v., 60 cycle AC. Shpg. wt., 3 $\frac{1}{2}$ lbs.

79 R 113. List, \$10.95. **NET 6.44**

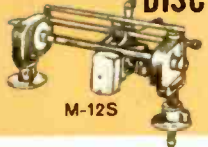
JPQ8. As above, but all 4 speeds.

79 R 114. List \$13.50. **NET 7.94**

RCA 240X1 PHONO SWITCH. For operation of record players through radios that do not have a phono input. With plug, cable, instructions. 6 oz.

80 R 104. List \$3.35. **NET 1.96**

DISC RECORDERS AND ACCESSORIES



M-12S



M41-8



X-26



R8B Amplifier

Model DR



REK-O-KUT M-12S OVERHEAD RECORDING LATHE. Used in DR. Interchangeable with M-12. Less head. 20 lbs.

79 RU 044. **NET 150.00**

79 RC 112. REK-O-KUT RH-5 CUTTING HEAD. For M-12S. 8 ohms. 1 lb. **NET 115.00**

ASTATIC X-26 CRYSTAL CUTTING HEAD. High impedance; response to 6 kc. Requires approx. 150 v. (rms) drive. 1 $\frac{1}{2}$ "x3 $\frac{1}{4}$ "x2 $\frac{1}{2}$ ". 24" leads. 1 lb.

81 RC 125. **NET 7.53**

ASTATIC M41-8 MAGNETIC CUTTING HEAD. 8 ohms; connects to amplifier. 7 kc response. Requires 3 v. (rms). 1 lb.

81 RC 111. **NET 7.53**

REK-O-KUT R8B RECORDING AMPLIFIER. For making professional recordings with DR disc cutter (at right). Response, 20-20,000 cps at 20-watt output. Distortion: harmonic, 0.32% at 1000 cps at full output; IM, 0.825%. 4 inputs: mike, tape and phono mixing, tuner. Outputs: speaker and cutter, 4, 8 and 16 ohms; monitor, 2000 ohms. VU meter. In portable carrying case. 5 $\frac{1}{2}$ "x19x6 $\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. 25 lbs.

79 RU 001. **NET 225.00**

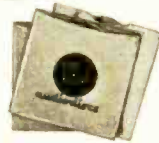
79 RZ 002. REK-O-KUT Imperial II Disc Recorder. Consists of DR disc cutter (right) and R8B recording amplifier. 70 lbs. **NET 695.00**

REK-O-KUT DR DISC CUTTER. Professional cutter with M12S overhead lathe. Operates at 33 $\frac{1}{2}$ and 78 rpm; has idler and adapter for 45 rpm. Makes masters from 6" to 13 $\frac{1}{2}$ ". Accepts all standard vertical mounting cutting heads. 120 line lead-screw; interchangeable with leadscrews to 270 lines. Can be hand cranked for run-in spiral grooves. Hysteresis motor. Calibrated timing scale. S-120 arm with dual sapphire magnetic pickup plays up to 12" records. With RH-5 cutting head; 50-13,000 cps (left). Uses standard short-shank needle. Portable case. 7x10x20 $\frac{1}{2}$ ". For 105-125 v., 60 cycle AC. 45 lbs.

79 RZ 000. **NET 475.00**

AUDIODISC RECORDING BLANKS

Recording blanks smooth-coated on both sides of aluminum base. Red Label discs exceed the most exacting needs for highest quality professional recordings. Yellow Label discs are for general purpose work in studios and schools; Blue Label for home recording; have same high-quality lacquer as professional discs, but on thinner aluminum base. Types marked with * have center hole for 45-rpm records.



Aluminum Base Blanks

Stock No.	Size	Label	Base	Wt., Ea.	Lbs., Pkg.	Std. Pkg.	NET EACH		
							Single	Lots	Std. Pkg.
80 R 007	7"	Red	.050"	5 oz.	5	25	1.01	.90	
80 R 003	8"	Red	.040"	5 oz.	5	25	.79	.72	
80 R 004	10"	Red	.040"	6 oz.	8 $\frac{1}{2}$	25	1.12	1.01	
80 R 005	12"	Red	.050"	9 oz.	13 $\frac{1}{2}$	25	1.83	1.66	
80 R 008	7"	Yellow	.050"	5 oz.	5	25	.85	.77	
80 R 009	8"	Yellow	.040"	5 oz.	5	25	.67	.60	
80 R 010	10"	Yellow	.040"	6 oz.	8 $\frac{1}{2}$	25	.89	.80	
80 R 011	12"	Yellow	.050"	9 oz.	13 $\frac{1}{2}$	25	1.44	1.29	
80 R 000	6 $\frac{1}{2}$ "	Blue	.027"	3 oz.	6 $\frac{1}{2}$	50	.39	.35	
80 R 001	8"	Blue	.027"	4 oz.	7 $\frac{1}{2}$	50	.55	.49	
80 R 002	10"	Blue	.027"	5 oz.	10 $\frac{1}{2}$	50	.78	.71	

DISC CUTTING NEEDLES

AUDIPOINTS. High-quality recording needles. For all professional and non-professional recorders. Types 14, 20 and 34 have 87° included angle. All have .003" tip radius except Type 20, .0005". Shpg. wt., 2 oz.

Stock No.	Type	Description	NET EA.
81 R 102	14	Sapphire, short dural shank	4.85
81 R 109	20	As above, for microgroove	
81 R 103	14	Sapphire, long dural shank	
81 R 108	20	As above, for microgroove	
81 R 106	34	Stellite, short brass shank	1.47
81 R 107	34	Stellite, long brass shank	

KNIGHT STEEL CUTTING NEEDLES. Short shank. Have .003" tip. Av. cutting life, 20 minutes. 3 oz.

81 R 101. Pkg. of 5. **NET 59c**

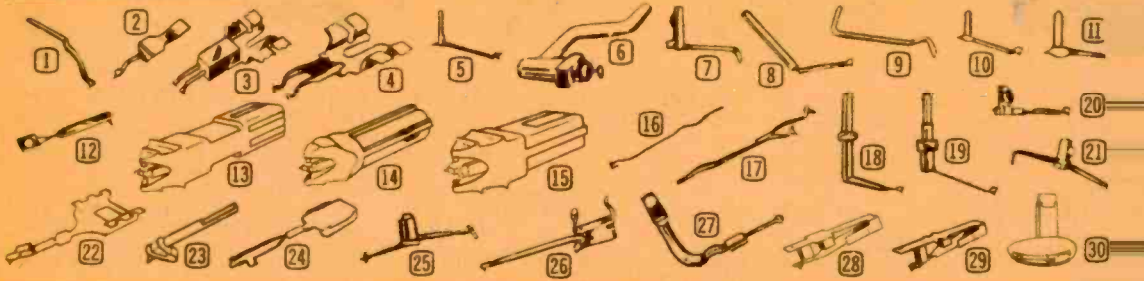
KNIGHT SAPPHIRE CUTTING NEEDLE. Short shank. Has .003" tip. Av. life, 5 hrs. 2 oz.

81 R 100. **NET EACH 3.88**

GUMMED RECORD LABELS. Shpg. wt. per-pkg., 2 oz. 50 per pkg.
80 R 100. 4 or more Pkgs., Ea. 41c NET PER PKG.. 45c



Quality Exact-Replacement Monophonic Needles



Top-quality monophonic replacement needles at low, low prices. All are precision made to rigid Knight specifications. All have sapphire tips except *osmium. Letters or numbers following the word "Series" in listings below, cover all cartridges whose type numbers begin with these letters or numbers. Wt., 2 oz.

FOR SHURE CARTRIDGES

Stock No.	Type	Fig.	Fits Cartridge Numbers	Tip	EACH
81 R 598	JPS-30	1	P30, P37, P57, P70, P71, P72, P72V, P73, P76, P76V, P77, P79, P81, P81AD, P85, P88, 89, P94, PN30, PC41V, PC42:	Std.	.98
81 R 599	JPS-30LP	1	Series W21, W22, W23, W26, W60, W61, W65, W65B, W66, W68, WC22	MG	
81 R 600	JPS-312	1		All	
81 R 535	JPS-32	2	W31AR, W36B, WC24,	Std.	.98
81 R 537	JPS-32LP	2	WC31AR, WC33B, WC36B,	MG	.98
81 R 538	JPS-322	2	PC9, PC10, PC11, PC40	All	.98
81 R 661	JPS-39	3	WC-6, PC-6, PC-7	Twin	2.48
81 R 539	JPS-35	4	PC2, PC-3, P7, P8, P9, W9, WC10	Twin	1.38
81 R 540	JPS-36	4	PC4, PC5, ML-44	Twin	2.48

FOR SONOTONE CARTRIDGES

Stock No.	Type	Fig.	Fits Cartridge Numbers	Tip	EACH
81 R 546	S-60LP	26	Series 3P	MG	1.38
81 R 547	S-61	27	Series 3T	Twin	1.38
81 R 548	S-63LP	26	Series 1P	MG	1.38
81 R 754	S-632	26	Series 1P	All	1.38
81 R 550	S-66	27	Series 2T; 7T: W-9980; Magnavox560161-1; RCA78748	Twin	1.38

FOR BLAUPUNKT, GRUNDIG, TELEFUNKEN

81 R 637	RX552-LP	30	P-7000	MG	.98
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FOR ASTATIC CARTRIDGES

Stock No.	Type	Fig.	Fits Cartridge Numbers	Tip	EACH
81 R 552	A-67	5	94-TB, 405, 406,	Std.	.98
81 R 554	A-67LP	5	Series: 62, 64, 66, 68	MG	.98
81 R 555	A-672	5		All	.98
81 R 556	A-68	6	Series: 57-T	Twin	1.38
81 R 557	A-71	6	Series: 55-T, GCD, 409	Twin	1.38
81 R 560	A-70*	7		Std.	.58
81 R 561	A-70LP*	7	Series: 14L3, 15L3	MG	.58
81 R 565	A-702*	7		All	.58
81 R 566	A-73	8		Std.	.98
81 R 567	A-73L	8	LT-3D, LT-4, LT-4D, LT-4D1, LT-AG	MG	.98
81 R 568	A-732	8		All	.98
81 R 569	A-74	9		Std.	.98
81 R 570	A-74LP	9	Series: 402, 51, 53, 59, GC, MG,	MG	.98
81 R 572	A-742	9		All	
81 R 575	A-75	10	10L3, 11L3, Series AC, ACD, 40, 41, 42, 90	Std.	
81 R 577	A-75LP	10		MG	.98
81 R 578	A-752	10		All	
81 R 579	A-81	11	Series: CAC, CQ, LQD, QT	Std.	.98
81 R 580	A-81LP	11	36, 38, 44, 46, 48; 403J;	MG	.98
81 R 581	A-812	11	Magnavox 560052	All	.98
81 R 583	CRA-55LP	12	Series: 310, 312, 414, 420,	MG	.98
81 R 584	CRA-55	12	422, 424	Std.	.98
81 R 623	A-41	13	81T	Twin	1.98
81 R 609	A-43	13	89T	Twin	1.98

FOR ELECTRO-VOICE CARTRIDGES

81 R 624	E-36	14	E-V 56	Twin	1.98
81 R 626	E-37	15	E-V 76	Twin	1.98
81 R 585	E-90	16	10, 12, 14, 30, 32, 33, 34, 36, 40, 42,	Std.	.98
81 R 586	E-90LP	16	43, 44, 46, 80, 82, 84, 86, 96,	MG	.98
81 R 587	E-902	16	Admiral 409A13-1	All	.98
81 R 588	E-91	17	16T, 22T	Twin	1.38

FOR RCA CARTRIDGES

81 R 542	M-70	18	9890, 38598, 39550, 39851,	Std.	.98
81 R 543	M-70LP	18	39919, 70332, 70338, 70339, 72551, 74067	MG	
81 R 544	M-74	19	74625, 75475, 75575,	Std.	.98
81 R 545	M-74LP	19	76318, 77779	MG	

FOR PHILCO CARTRIDGES

81 R 591	M-60LP	20	45-1609, 45-1612	MG	.98
81 R 662	PH-13	21	76-4649; 425-0009, 425-0014	Twin	1.38

FOR VACO CARTRIDGES

81 R 516	VA-29	22	P45	Std.	.98
81 R 517	VA-29LP	22	P45	MG	.98
81 R 520	VA-292	22	S-45	Twin	.98
81 R 612	J-352*	23	M-50	All	.58

FOR RONETTE CARTRIDGES

81 R 584	CRA-55	12	Studio O, Studio P, RA-284,	Std.	.98
81 R 583	CRA-55LP	12	TO-284 Series TO-222, TO-400, 7447, DT-60, RA-395	MG	
81 R 604	CRA-57	24	DC-422	Std.	.98
81 R 603	CRA-57LP	24	DC-500	MG	

FOR GENERAL ELECTRIC CARTRIDGES

81 R 515	G-1	28	Series: RPX	MG	.98
81 R 636	G-4	29	4G-052, 053, 061, 063	MG	.98

FOR MAGNAVOX CARTRIDGES

81 R 590	M-50	25	560133, 560133-4, 560151-5, 560151-6, 560158-1	Twin	1.38
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NEW LOW PRICES ON DIAMOND NEEDLES

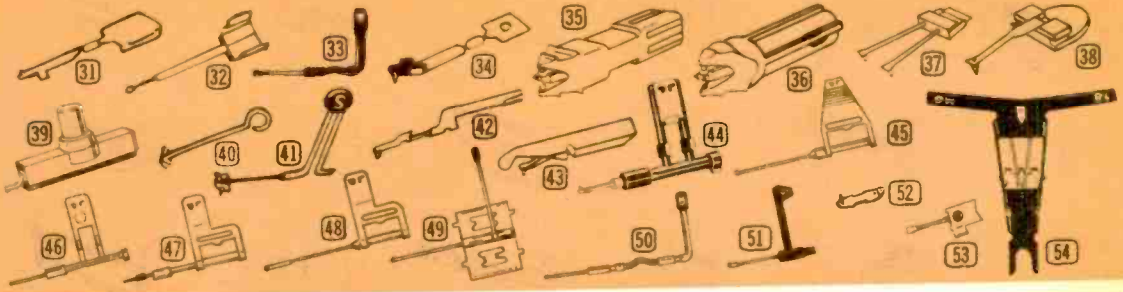


Twin tips come with sapphire for 78's but may be specially ordered with twin diamonds. †Also Blaupunkt, Telefunken. 2 oz.

Stock No.	Diamond Needle Type No.	Fig.	For	Equivalent Sapphire	NET EACH
81 R 657	A-67LPD	5	Astatic	A-67LP	1.99
81 R 644	A-68SD	6	Astatic	A-68	
81 R 658	A-74LPD	9	Astatic	A-74LP	
81 R 645	A-75LPD	10	Astatic	A-75LP	
81 R 646	A-81LPD	11	Astatic	A-81LP	
81 R 606	A-41SD	13	Astatic 81TX	A-41	4.49
81 R 610	A-43SD	13	Astatic 89TX	A-43	4.49
81 R 647	E-90LPD	16	E-V	E-90LP	1.99
81 R 625	E-36SD	14	E-V 56DS	E-36	4.49
81 R 627	E-37SD	15	E-V 76DS	E-37	4.49
81 R 523	G-1D	28	G.E.	RPX Series 4G-041, 050, 052, 053, 061, 063, VR11	1.99
81 R 601	G-4D	29	G.E.		
81 R 531	RX552LPD	25	Grundig	RX552LP	1.99
81 R 648	M-50SD	25	Magnavox	M-50	
81 R 660	PH-13SD	21	Philco	PH-13	1.99
81 R 649	CRA-55LPD	12	Ronette	CRA-55LP	
81 R 602	CRA-57LPD	24	Ronette	CRA-57LP	1.99
81 R 650	JPS-30LPD	1	Shure	JPS-30LP	
81 R 659	JPS-35SD	4	Shure	JPS-35	1.99
81 R 651	JPS-36SD	4	Shure	JPS-36	
81 R 652	M-70LPD	18	RCA	M-70LP	1.99
81 R 653	M-74LPD	19	RCA	M-74LP	
81 R 654	S-60LPD	26	Sonotone	S-60LP	1.99
81 R 655	S-61SD	27	Sonotone	S-61	
81 R 656	S-66SD	27	Sonotone	S-66	1.99
81 R 611	VA-29LPD	22	Vaco	VA-29LP	

Stereo and Monophonic Replacement Needles

KNIGHT



Low-cost stereo replacement needles from Knight. To assure finest sound from records, check your needle tip regularly, and replace it at first signs of wear. You save money in the long run! All stereo needles listed here have .0007" tip.

DUAL SAPPHIRE NEEDLES

One sapphire tip is for 78-rpm records. Av. shpg. wt., 2 oz.

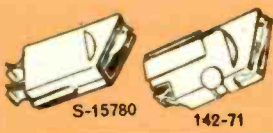
Stock No.	Type	Fig.	For Cartridge Number	NET EACH
81 R 615	A-44X	35	Astatic 13T; Electro-Voice 13	3.88
81 R 730	A-90X	51	Astatic 17	1.38
81 R 731	DU-13X	52	Dual CS-73; CDS-73	1.38
81 R 618	E-46X	36	Electro-Voice 66	2.88
81 R 621	M-77X	37	RCA 106770A, 106771A	1.38
81 R 739	M-80X	54	RCA 110021, 110020	1.38
81 R 619	S-71X	33	Sonotone 8T4, 8TA4	
81 R 639	S-75X	44	Sonotone 9TA	
81 R 732	S-78X	45	Sonotone 12THS	
81 R 733	S-80X	46	Sonotone 18TA	
81 R 734	S-82X	46	Sonotone 16TA	1.38
81 R 735	S-84X	47	Sonotone 12THSR	
81 R 736	S-85X	48	Sonotone 12TLAS	
81 R 737	TE-19X	49	Telefunken SA20/2; T-20	
81 R 738	TE-20X	50	Telefunken T-200; A-200	

SINGLE SAPPHIRE NEEDLE

For stereophonic records only. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	For Cartridge Number	NET EACH
81 R 668	CRA-55X	34	Astatic 70 Series; Vaco Stereo; BSR Stereo	.98
81 R 740	CS-1X	42	Columbia SC-1, SC-2, SC-7, SC-8	
81 R 666	E-98X	32	Electro-Voice 26	
81 R 613	J-47X	38	Euphonic E Series; Jensen 53, 55	.98
81 R 741	J-57X	53	Euphonic U Series; Jensen 80	
81 R 640	G-19X	39	G.E. VR-227	
81 R 664	CRA-57X	31	Ronette Stereo BF-40, P Series	.98

MONOPHONIC NEEDLE-CARTRIDGES FOR ZENITH



- Light Tracking Force Minimizes Needle Talk, Record Wear
- Wide-Range Response
- High Compliance

Duotone direct replacement plug-in type needle-cartridges for Zenith "Cobra Arm" phonographs. Each is a complete assembly with unitized construction—stylus is coupled directly to inductive element. When needle is worn, entire unit must be replaced. Performance is unaffected by extremes in temperature or humidity. For all standard or microgroove records. Av. shpg. wt., 4 oz.

Stock No.	Zenith Type	Type No.	Stylus	NET EACH
81 R 631	Z-62	S-15780	Sapphire	1.88
81 RC 693	Z-62D	S-15780	Diamond	7.95
81 R 632	Z-61	S-15222	Sapphire	1.88
81 RC 694	Z-61D	NY-15222	Diamond	7.95
81 R 633	Z-65	142-72	Sapphire	2.68
81 RC 695	Z-65D	142-72	Diamond	7.95
81 R 634	Z-64	142-71, 142-74	Sapphire	2.68
81 RC 696	Z-64D	142-71, 142-74	Diamond	7.95
81 R 635	Z-59	142-76, 142-77	Sapphire	3.98
81 RC 697	Z-59SD	142-76, 142-77	Diamond	8.95

ABOUT KNIGHT PHONO NEEDLES...

Knight diamond needles are made by Jensen Industries to Allied's exacting specifications. All are precision crafted from whole diamonds having a 55 degree surface—assuring you longer record and needle life, plus superior fidelity. You can always rely on Knight quality needles.

New Low Prices on Stereo Diamond and Sapphire Needles



Protect your valuable records with precision polished diamond needles. And save—diamond needles outlast all others by more than 2 to 1.

DUAL NEEDLES—DIAMOND AND SAPPHIRE

Sapphire tip is for 78 rpm records. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	For Cartridge Number	EACH
81 RC 689	A-44XSD	35	Astatic 13T; Electro-Voice 13D	5.99
81 R 742	A-90XSD	51	Astatic 17	1.99
81 R 744	DU-13XSD	52	Dual CS-73; CDS-73	1.99
81 RC 690	E-46XSD	36	Electro-Voice 66D	5.99
81 R 622	M-77XSD	37	RCA 106770A, 106771A	1.99
81 R 753	M-80XSD	54	RCA 110021, 10020	1.99
81 R 620	S-71XSD	33	Sonotone 8T4, 8TA4	
81 R 641	S-75XSD	44	Sonotone 9TA	
81 R 746	S-78XSD	45	Sonotone 12THS	
81 R 747	S-80XSD	46	Sonotone 18TA	
81 R 748	S-82XSD	46	Sonotone 16TA	1.99
81 R 749	S-84XSD	47	Sonotone 12THSR	
81 R 750	S-85XSD	48	Sonotone 12TLAS	
81 R 751	TE-19XSD	49	Telefunken SA20/2; T20	
81 R 673	W61-XSD	50	Telefunken T-200; A-200	
81 R 674	W61-XSD	41	Webster Electric	.98

SINGLE DIAMOND NEEDLE

For stereophonic records only. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	For Cartridge Number	EACH
81 R 669	CRA-55XD	34	Astatic 70 Series; Vaco Stereo; BSR Stereo	1.99
81 R 671	CS-1XD	42	Columbia SC-1, SC-2, SC-7, SC-8	
81 R 667	E-98XD	32	Electro-Voice 26	
81 R 614	J-47XD	38	Euphonic E Series; Jensen 53, 55	.98
81 R 752	J-57XD	53	Euphonic U Series; Jensen 80	
81 R 642	G-19XD	39	G.E. VR-227	
81 R 643	G-20XD	39	G.E. VR-225	1.99
81 R 645	ORA-55XD	31	Ronette Stereo Cartridges	1.99
81 RC 687	JPS-40XD	43	Shure M7D Dynamic	6.49
81 RC 688	JPS-41XD	43	Shure M3D Dynamic	12.99
81 RC 698	JPS-42XD	43	Shure M21D Dynamic	13.99
81 R 672	W-59XD	34	Webster Electric	1.99

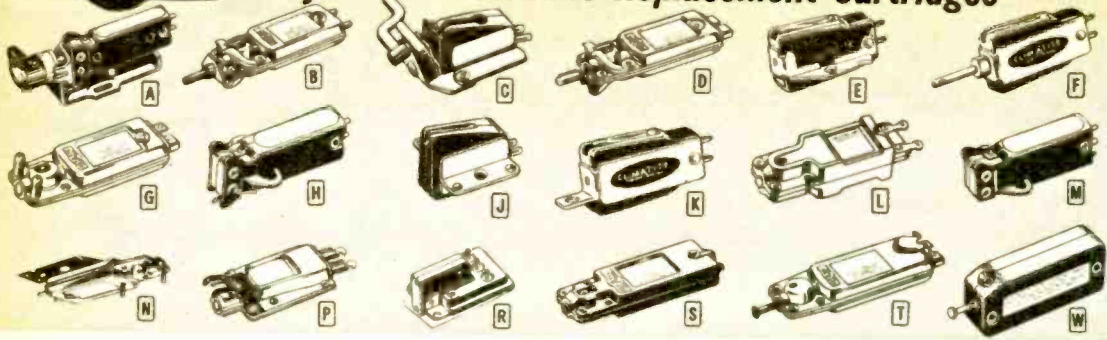
CONVENTIONAL-SHANK PHONO NEEDLES—LOW COST SAPPHIRE AND OSMIUM TYPES

Economy-priced needles fit cartridges with screw-type chucks. Sapphires are recommended for minimum record wear. *Have flexible nylon material from tip to shank to reduce pickup of record scratch. Wt., 2 oz.



Stock No.	Type No.	Fig.	Stylus	Tip Size	NET
81 R 592	NY-253*	A	Sapphire	Standard	.98
81 R 593	J-10	B	Osmium	Standard	.58
81 R 594	NY-252*	A	Sapphire	All-purpose	.98
81 R 595	NY-152*	B	Osmium	All-purpose	.58
81 R 596	J-152	C	Osmium	All-purpose	.58
81 R 597	NY-251*	B	Sapphire	Microgroove	.98
81 R 663	J-252	C	Sapphire	All-purpose	.98

Crystal and Ceramic Replacement Cartridges



DUAL-NEEDLE TURNOVER CARTRIDGES

For 78, 45, 33 1/2 and 16 1/2 rpm records. Crystals treated to resist heat, humidity. Sapphire needles; .001" for microgroove, .003" tip for standard records. *Ceramic—all others Rochelle-salt crystal. †Subminiature. ‡Less bracket. Av. wt., 4 oz.

Stock No.	Model	Fig.	Replaces Astatic	Volts	CPS	List	NET
81 R 219	40-T	H	ACD-10L3	1.0	50-6000	6.95	4.09
81 R 241	40-TB	A	ACD-1 series ACD-2 series, 11L3 GCD series	1.0	30-15,000	8.45	4.97
81 R 212	55-T	C	57-TJ series	0.7	30-15,000	7.95	4.67
81 R 252	57-T*	C	57-TJ series	0.7	30-15,000	9.50	5.59
81 R 236	62-TY	D	LQD-1 series	1.0	50-7600	7.95	4.67
81 R 766	64-TS†	B	64-T(M)S	3.0	50-5000	6.95	4.09
81 R 013	66-TS	D	66-T(M)S, 68-TS	3.0	50-5000	7.25	4.26
81 R 253	66-TY‡	D	LT-4D1, 14L3-DW, 15L3-DM, 6-T(M)Y, 68-T(M)Y	3.0	50-5000	6.50	3.82
				0.75	30-13,000	6.45	3.79
81 R 209	118-TS†	F		3.0	30-11,000	6.45	3.79
81 R 210	120-TS†	F		3.0	30-11,000	5.45	3.20
81 R 200	310-T†	E		0.75	30-13,000	6.45	3.79
81 R 201	312-TS	F		3.0	30-11,000	5.45	3.20
81 R 301	314-TS‡	F		0.75	30-13,000	5.95	3.50
81 R 269	316-TS	F		3.0	30-5000	7.95	4.67
81 R 302	406‡	D	F-22(Webster)	0.7	30-15,000	9.50	5.59
81 R 303	409*	C	409A11(Admiral)	0.8	50-6000	6.50	3.82
81 R 220	410	P		3.0	30-11,000	5.45	3.20
81 R 202	420-TS-TB	F		0.75	30-13,000	5.95	3.50
81 R 203	422-TS-TB	F		3.0	30-11,000	6.50	3.82
81 R 204	424-TS‡	F		3.0	30-11,000	7.50	4.41
81 R 304	426-TS‡	F	A-204(Webster)	3.0	30-11,000	7.50	4.41

ALL-GROOVE CARTRIDGES

.002" sapphire needle, except †.002" osmium, for mono records. ‡Less needle—screw-type chuck for conventional needle. *Moisture resistant; ceramic. Others Rochelle-salt crystal. 4 oz.

Stock No.	Model	Fig.	Replaces Astatic	Volts	CPS	List	NET
81 R 250	16‡	G	16L3, 17L3	3.5	50-5000	3.95	2.32
81 R 234	22†	G	L-29, L-92-33, 18L3	3.0	50-5000	3.95	2.32
81 R 213	28†	L	M-22, M-23	3.5	50-6500	3.95	2.32
81 R 243	40-2	M	AC-AG series	1.0	50-10,000	6.50	3.82
81 R 251	51-2*	J	GC-AG series	0.7	30-10,000	7.40	4.35
81 R 224	66-2†	G	LT-2M, LT-5AG, 68-2 14L-AGM 15L3-AGM (Webster)	3.0	50-5000	4.95	2.91
				3.5	50-5000	4.95	2.91
81 R 305	106‡	H		3.0	30-11,000	5.45	3.20
81 R 205	310-2	K		3.0	30-11,000	4.45	2.62
81 R 307	414-2	E	(Ronette)	3.0	30-11,000	4.45	2.62
81 R 310	416-2	E	(Ronette)	0.75	30-13,000	5.45	3.20

STEREOPHONIC CARTRIDGES



SERIES 70 CRYSTAL CARTRIDGES. .0007", .003" sapphires; 18 db sep.; 2 v.; 50-10,000 cps. *With brackets. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Replacement For	List	NET
81 R 315	70TS	BB	Astatic 120TS, VM 7447A	7.25	4.26
81 R 314	74TS	BB	Astatic 314TS	7.25	4.26
81 R 313	*76TS-TB	CC	Ronette T1, Ronette OV1	7.95	4.67

AA PLUG-IN CARTRIDGE ASSEMBLIES. Ceramic; 25 db sep.; 0.5 v.; 20-15,000 cps. Fit 1/16 to 1/8" mtg. Shpg. wt., 3 oz.

Stock No.	Type	Description	List	NET
81 R 316	11T7	Two .0007" sapphires; less bracket	6.95	4.09
81 R 255	11T7B	Two .0007" sapphires; with bracket	7.95	4.67
81 R 270	13AT	.0007", .003" sapphires; less brkt.	7.95	4.67
81 RC 369	13ATX	.0007" diamond, .003" sapphire; less brkt.	13.95	8.20
81 R 257	13T	.0007", .003" sapphires; less brkt.	6.95	4.09
81 R 256	13TB	.0007", .003" sapphire tips; with brkt.	7.95	4.67
81 R 258	13TBX	.0007" diamond, .003" sapphire; with brkt.	11.95	7.02
81 R 259	13TX	.0007" diamond, .003" sapphire; less brkt.	10.95	6.44

MICRO-GROOVE CARTRIDGES

Crystal type, except *ceramic, unaffected by heat and humidity. .001" sapphire needle for 45 and 33 1/2 rpm records. Needle pressure, 10 grams, except 18 grams, 16 grams. Av. wt., 4 oz.

Stock No.	Type	Fig.	Replaces Astatic	Volts	CPS	List	NET
81 R 242	40-1†	M	AC series	1.0	50-10,000	6.50	3.82
81 R 237	51-1*	J	GC series	0.7	30-15,000	7.40	4.35
81 R 217	62-1	K	62-1 series	3.0	50-50,000	4.95	2.91
81 R 268	310-1†	K		3.0	30-11,000	4.95	2.91
81 R 244	408	P		0.8	50-6,000	4.45	2.62
81 R 206	414-1‡	E		3.0	30-11,000	4.45	2.62

STANDARD-GROOVE CARTRIDGES

High-output crystal types, except *ceramic type. Use .003" needles. †With osmium needle; others less needle—have screw-type chuck for conventional needle. Av. shpg. wt., 4 oz.

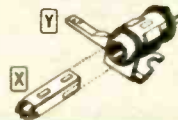
Stock No.	Type	Fig.	Replaces Astatic	Volts	CPS	List	NET
81 R 228	2	W	B-2 (Magnavox)	2.5	50-4000	9.00	5.29
81 R 227	4	S	L-22A, L-26A, L-27A	1.4	50-4500	4.45	2.62
81 R 226	6	S	L-40A, L-41A	0.6	50-4500	4.45	2.62
81 R 232	12	T	L-10, L-12	4.0	50-5000	4.45	2.62
81 R 233	12-U	T	L-12U	1.25	50-5000	4.95	2.91
81 R 230	24	S	L-25A, series L-70 L-71, L-75, L-76	1.0	50-4000	4.95	2.91
81 R 231	26	S	L-46A, L-50A, L-72A	3.5	50-4000	4.95	2.91
81 R 237	32	S	L-24A, L-36A, L-82A, L-92, L-92A, 34	3.5	50-5000	4.45	2.62
81 R 299	66-3	G	Series R30	3.0	50-5000	4.95	2.91
81 R 225	402*‡	R	402A	0.7	50-10,000	7.95	4.67

CERAMIC STEREO TURNOVER CARTRIDGES

SERIES 17 CARTRIDGES. (Not illus.) 20-20,000 cps; 25 db separation. Tracking force, 4-5 grams; 35 v. Replaces E-V 26 series, RCA 106770A, 106771A, Sonotone 8TA4 series. 4 oz.

Stock No.	Type	Description	List	NET
81 RC 355	17	.0007", .003" sapphires	14.75	8.67
81 RC 356	17D	.0007" diamond, .003" sapphire	19.75	11.61

SOUNDFOLO CARTRIDGE-NEEDLE COMBINATIONS



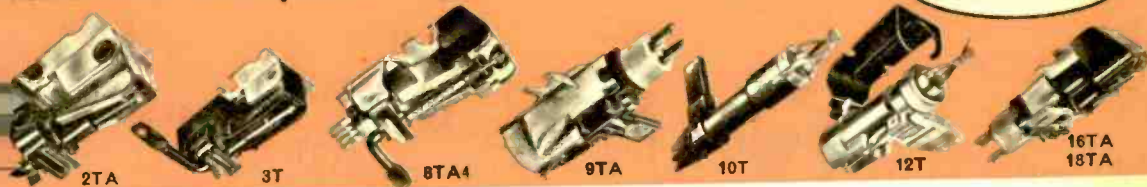
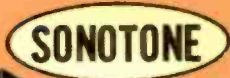
Plug-In Units
Consisting of
Cartridge and
Needles



Ceramic monophonic cartridges. 30 to 15,000 cps. Tracking force, 6 grams. Housing takes "plug-in" cartridge-needle combination. Flip-over mounting bracket. .001" for LP's, .003" for 78's. Type 91T replaces Webster V8-1D, Webcor A1919, E-V 76S; Type 91TX, Webster V8-2D, Webcor A-1920, E-V 76DS; Type 93T, E-V 56S, Webster V8-1, Zenith 142-80; Type 93TX, E-V 56DS, Webster V8-1D, Zenith 142-83. "S"—sapphire; D—diamond tip. *With mtg. bracket; turnover holder. Av. wt., 4 oz.

Stock No.	Type	Fig.	Tip	Volts	List	NET
81 R 207	81TB*	Z&V	S-.001", S-.003"	1.0	4.95	2.91
81 R 208	81T	Z	S-.001", S-.003"	1.0	3.95	2.32
81 R 214	81TX	Z	D-.001", S-.003"	1.0	7.95	4.67
81 RC 344	81TBX*	Z&V	D-.001", S-.003"	1.0	8.95	5.26
81 R 272	89-1	Z	S-.001"	1.3	4.25	2.50
81 RC 376	89-1†	Z	D-.001"	1.3	10.25	6.03
81 R 215	89-T	Z	S-.001", S-.003"	1.3	4.95	2.91
81 R 216	89TB*	Z&V	S-.001", S-.003"	1.3	5.95	3.50
81 RC 345	89TX	Z	D-.001", S-.003"	1.3	10.95	6.44
81 RC 351	89TBX*	Z&V	D-.001", S-.003"	1.3	11.95	7.03
81 R 311	91T	X	S-.001", S-.003"	1.0	3.95	2.32
81 RC 396	91TX	X	D-.001", S-.003"	1.0	9.95	5.85
81 R 312	93T	Z	S-.001", S-.003"	1.0	3.95	2.32
81 RC 398	93TX	Z	D-.001", S-.003"	1.0	9.95	5.85

Stereo and Monophonic Replacement Cartridges



MONOPHONIC TURNOVER CARTRIDGES

Ceramic cartridges protect against distorting effects of heat and moisture—prevent hum pickup. Require no preamp or equalization. High compliance for precision tracking. Series "2TA" can safely be used with stereo recordings. Cartridges with suffix "D" in type number have diamond styli; "S" have sapphire styli; "SD" have dual styli—one sapphire and one diamond. 1 volt output, except *0.5 volt. For 1/2" to 3/8" mounting centers, except floss bracket for narrow pickup arms. Av. shgp. wt., 3 oz.

SERIES 2TA CARTRIDGES

Stock No.	Type	Styl	List	EACH
81 R 948	2TA-S	S-.003", S-.0007"	\$6.66	3.32
81 RC 358	2TA-SD	D-.003", S-.0007"	9.70	5.70
81 R 247	2TA-LB-S†	S-.003", S-.0007"	6.66	3.32

SERIES 3T WIDE-RANGE CARTRIDGES

Stock No.	Type	Styl	List	EACH
81 RC 360	3T-S*	S-.001", S-.003"	7.75	4.56
81 RC 362	3T-SD†	D-.001", S-.003"	12.40	7.29

REPLACEMENT NEEDLES

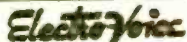
*Indicates replacements for stereo cartridges, at right. 2 oz.

Stock No.	Type	Tip	For	List	EACH
81 R 533	NIP-1S	S-.001"	Series 1P	\$2.25	1.32
81 R 249	N2TA-S	S-.003", S-.0007"	Series 2TA	2.50	1.47
81 RC 679	N2TA-SD	D-.0007", S-.003"	Series 2TA	5.50	3.23
81 R 532	N3T-S	S-.001", S-.003"	Series 3T	2.50	1.47
81 RC 686	N3T-SD	D-.001", S-.003"	Series 3T	5.50	3.23
81 RC 702	N8TA4-SD*	D-.0007", S-.003"	Series 8TA4	5.50	3.23
81 R 755	N9916-S*	S-.0007", S-.003"	Series 9TA	2.50	1.47
81 R 756	N9916-SD*	D-.0007", S-.003"	Series 9TA	5.50	3.23
81 R 800	N9916-S*	S-.0007", S-.003"	Series 16TA	2.50	1.47
81 R 801	N9916-SD*	D-.0007", S-.003"	Series 16TA	5.50	3.23
81 R 630	N18TA-S*	S-.0007", S-.003"	Series 18TA	2.50	1.47
81 RC 692	N18TA-SD*	D-.0007", S-.003"	Series 18TA	5.50	3.23

T1 PICKUP ARM WITH 12T STEREO CARTRIDGE

Quality plastic pickup arm with crystal cartridge installed. Cartridge has .0007" and .003" sapphire styli. Shgp. wt., 4 oz.

Stock No.	Type	Description	List	EACH
81 R 263	T81-12THRS	Gray plastic; high output	7.45	4.38
81 R 264	T81-12TLAS	Gray plastic; low output	7.45	4.38
81 R 265	T11-12THRS	Brown plastic; high output	7.45	4.38
81 R 266	T11-12TLAS	Brown plastic; low output	7.45	4.38



TURNOVER CARTRIDGES

"S" indicates sapphire; "D"—diamond. *Not turnover type.

SERIES 20 STEREO CARTRIDGES. Low distortion, high channel separation. 1/2" to 3/8" mtg. centers. Av. wt., 3 oz.

Stock No.	Type	Flg.	Styl	Output	List	EACH
81 RC 403	21*	B	.0007S	500 mv	\$9.50	5.59
81 RC 413	21D*	A	.0007D	500 mv	15.00	8.82
81 RC 402	22*	A	.0007S	20 mv	12.50	7.35
81 RC 407	22D*	A	.0007D	20 mv	18.00	10.58
81 RC 401	26	B	.0007S/.003S	500 mv	10.50	6.17
81 RC 407	26D	B	.0007D/.003S	500 mv	16.50	9.70
81 RC 399	27	A	.0007S/.003S	20 mv	13.50	7.94
81 RC 406	27D	A	.0007D/.003S	20 mv	19.50	11.87

F SERIES 60 STEREO "POWER POINT" CARTRIDGES. Wide range, low distortion. Tracking force: 2-8 grams. Require holding mechanism listed below, at right. Wt., 4 oz.

Stock No.	Type	Styl	Fits	List	EACH
81 R 292	61	.0007S/.0007S	PFT-3	\$5.95	3.50
81 RC 386	61D	.0007D/.0007S	PFT-3	12.95	7.61
81 R 294	66	.0007S/.003S	PT-3	5.95	3.50
81 RC 391	66D	.0007D/.003S	PT-3	12.95	7.61

G SERIES 100 STEREO "POWER POINT" CARTRIDGES. 5 contacts. High capacity elements for improved bass response. High compliance, low tracking force. Av. wt., 3 1/2 oz.

Stock No.	Type	Styl	Fits	List	EACH
81 R 281	101	.0007S/.0007S	PT-4	5.95	3.57
81 RC 381	101D	.0007D/.0007S	PT-4	12.95	7.77
81 R 282	106	.0007S/.003S	PT-5	5.95	3.57
81 RC 382	106D	.0007D/.003S	PT-5	12.95	7.77
81 R 726	107	.0007S/.0007S	PT-6	5.95	3.57
81 RC 727	107D	.0007D/.0007S	PT-6	12.95	7.77
81 R 728	108	.0007S/.003S	PT-7	5.95	3.57
81 RC 729	108D	.0007D/.003S	PT-7	12.95	7.77

STEREOPHONIC TURNOVER CARTRIDGES

Quality ceramic cartridges for replacement use and for converting monophonic phonos to stereo. Feature low distortion, excellent response, high channel separation, and high vertical and lateral compliance. Have standard 1/2" and 3/8" mtg. centers. Series "8TA4" mount on 1/4" centers. Av. shgp. wt., 4 oz.

SERIES 8TA4 CARTRIDGES. 0.3 volt output.

Stock No.	Type	Styl	List	EACH
81 RC 392	8TA4-S	.0007" and .003" sapphires	\$8.75	6.14
81 RC 405	8TA4-S-77	Two .0007" sapphires	8.75	5.14
81 RC 414	8TA4-SD	.0007" diamond; .003" sapphire	13.00	7.64

SERIES 9TA SUPER CARTRIDGES. 0.35 volt output.

Stock No.	Type	Styl	List	EACH
81 RC 377	9TA-S	.0007" and .003" sapphires	8.35	4.91
81 RC 379	9TA-SD	.0007" diamond; .003" sapphire	13.00	7.64

SERIES 10T PLUG-IN CARTRIDGES. 0.5 v. output.

Stock No.	Type	Styl	List	EACH
81 R 261	10T2-S	.0007" and .003" sapphires	9.70	5.70
81 RC 363	10T2-SD	.0007" diamond; .003" sapphire	13.00	7.64
81 R 262	10T2-S77	Two .0007" sapphires	9.70	5.70
81 RC 365	10T2-SD77	.0007" diamond; .0007" sapphire	13.00	7.64

SERIES 12T CRYSTAL CARTRIDGES. *2.5 v.; †1 v.

Stock No.	Type	Styl	List	EACH
81 R 273	12THRS*	.0007" and .003" sapphires	5.85	3.44
81 R 274	12THRS-77*	Two .0007" sapphires	5.85	3.44
81 R 275	12TLA-S†	.0007" and .003" sapphires	5.85	3.44
81 R 276	12TLA-S77†	Two .0007" sapphires	5.85	3.44

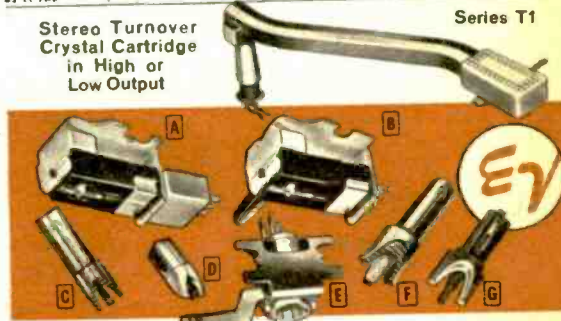
SERIES 16TA, 18TA CARTRIDGES. *0.5 v.; †0.7 v.

Stock No.	Type	Styl	List	EACH
81 RC 367	16TA-S*	.0007" and .003" sapphires	6.00	3.53
81 RC 368	16TA-SD*	.0007" diamond; .003" sapphire	9.75	5.78
81 RC 368	16TA-S77*	Two .0007" sapphires	6.00	3.53
81 RC 383	18TA-S†	.0007" and .003" sapphires	9.75	5.73
81 RC 384	18TA-SD†	.0007" diamond; .003" sapphire	9.75	5.73
81 RC 385	18TA-S77†	Two .0007" sapphires	6.00	3.53

SERIES 916TA CARTRIDGES. (Not illus.) .42 volt output.

Stock No.	Type	Styl	List	EACH
81 R 723	916TA-S	.0007" and .003" sapphires	7.15	4.20
81 RC 724	916TA-SD	.0007" diamond; .003" sapphire	11.25	6.63
81 R 725	916TA-S77	Two .0007" sapphires	7.15	4.20

Stereo Turnover Crystal Cartridge in High or Low Output



C SERIES 50 MONO "POWER POINT" CARTRIDGES. Ceramic. Require holder below. "S"—sapphire; "D"—diamond.

Stock No.	Type	Code	Styl	Oz.	List	EACH
81 R 505	51	Red	Two S-.001"	3	\$3.95	2.32
81 R 504	56	Blue	S-.001", S-.003"	3	3.95	2.32
81 RC 678	56D	Orange	D-.001", S-.003"	3	9.95	5.85

D SERIES 76 MONO "POWER POINT" CARTRIDGES. For Webcor phonos. "S"—sapphire; "D"—diamond.

Stock No.	Type	Code	Styl	Oz.	List	EACH
81 R 506	76S	White	S-.001", S-.003"	3	3.95	2.32
81 RC 680	76D	Pink	D-.001", S-.003"	3	9.95	5.85

E HOLDING MECHANISM. For "Power Point" cartridges. Have 1/4", 1/2" and 3/8" mounting centers. Wt., 1/2 oz.

Stock No.	Type	For Models	List	EACH
81 R 284	PFT-1	51, 52-2, 53-3	\$1.00	
81 R 287	PT-2	56, 56D	1.00	
81 R 297	PT-3	66, 66D	1.00	
81 R 298	PFT-3	61, 61D	1.00	
81 R 267	PT-4	101, 101D	1.00	
81 R 283	PT-5	106, 106D	1.00	

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Mono. 25 RR 010. Mfr's. TMT-103... 9.95
Stereo. 26 RR 011. Mfr's. TST-103... 9.95

JOIN THE POLKA PARTY

Tuck in your shirt, grab your partner and dance away to Pennsylvania Polka, Bear Barrel Polka, Clarinet Polka, Helena Polka and 19 other favorites. Shpg. wt. 2 lbs. Pkg. of 2—12" LP's.

Mono. 25 RR 013. Mfr's. 2010... 1.98
Stereo. 26 RR 000. Mfr's. 0631... 1.98

DIXIELAND ALL STARS

All-star Dixieland jazz at an all-time low price—less than \$1.00 per fine hi-fi record. Muggsy Spanier plays: Sweet Georgia Brown, Caution Blues, South, Sunday, etc. J. P. Sasson beats out Muskrat Ramble, Honeysuckle Rose, St. Louis Blues, etc. Jerry Colonna plays, sings New Orleans, Cha Cha, Chicago style, etc. 2 lbs. Pkg. of 3—12" mono LP's.

25 RR 005. Mfr's. MGWP-3... 2.98

BROADWAY SHOW HITS

Enjoy the lyrics and music of five all-time great Broadway musicals at a cost of less than \$1.00 per record. The shows: Oklahoma, Gigi, My Fair Lady, The Sound of Music and South Pacific. Such tunes as Rain in Spain, I Caint Say No, Bali Hai, etc. 3 lbs. Pkg. of 5—12" LP's.

Mono. 25 RR 011. Mfr's. 2001... 4.94
Stereo. 26 RR 003. Mfr's. 0622... 4.94

SALUTE TO BIG BANDS

The wonderful music and arrangements of the big bands of the 30's and 40's that brought fame to Glenn Miller, Tommy and Jimmy Dorsey, etc. Selections include: Boogie Woogie, Song of India, Chattanooga Choo Choo, Blue Champagne, Story of a Starry Night, Very Funny Valentine, American Patrol, etc. Shpg. wt., 3 lbs. Pkg. of 5—12" LP's.

Mono. 25 RR 011. Mfr's. 2004... 4.94
Stereo. 26 RR 003. Mfr's. 0625... 4.94

101 STRINGS PLAY 44 SONGS

Famed 101 Strings play music to suit every mood—at less than \$1.00 per exciting Somerset record. Songs: Granada, Moon Over Kona, Spellbound, Tara's Theme, Espana, Domingo en Seville, Close to You, etc. 3 lbs. Pkg. of 5—12" Mono LP's.

25 RR 002. Mfr's. SOMP-2... 4.94

HONKY TONK FOR EVERYONE

A sparkling array of music from the "good old days" for dancing, listening, sing-along, on fine hi-fi records. Such memorable tunes as: Turkey in the Straw, Yellow Rose of Texas, It's Never Too Late, etc. 3 lbs. Pkg. of 5—12" Mono LP's.

25 RR 007. Mfr's. MGWP-5... 4.94

MUSIC FOR DANCING

Dance or prance to music guaranteed to make you move. The tunes: Gadabout, By Heck, Buck Dance Stomp and Whistle, My Blue Heaven, Camptown Races, Bumble Boogie, Detour, Mr. Sandman, and many more. Wt., 2 lbs. Pkg. of 4—12" Mono LP's.

25 RR 006. Mfr's. MGWP-2... 3.96

BEST OF MUSICAL THEATRE

100 choice selections from famous musicals as Gigi, Sound of Music, Music Man, etc., performed by: Hi Los, Ink Spots, Dick Haymes, Gisele MacKenzie, and others. Selections include: Ball Hai, Rain in Spain, Maria, Do-Re-Mi, Can-Can, etc. Wt., 2 lbs. Pkg. of 8—12" LP's.

Mono. 25 RR 008. Mfr's. TMT-104... 9.95

Stereo. 26 RR 006. Mfr's. TST-104... 9.95

THE BEST OF DICK CONTINO

With his sparkling accordion and David Carroll's orchestra, Dick plays: Twilight Time, Poinclana, Adios, Bewitched, Nightingale, Comme Ci Comme Ca, Domino, Symphony, Mam'selle and many others. Shpg. wt., 1 lb. Pkg. of 2—12" mono LP's.

25 RR 000. Mfr's. MGWP-1... 1.98

MUSIC OF THE FILMS

Exciting arrangements of Hollywood movie themes—mood creations you'll never forget. Selections from: Duke Ellington's dramatic score for Anatomy of a Murder, Exodus, Cole Porter's Can Can, Porgy and Bess, Five Pennies and many more. Wt., 3 lbs. Pkg. of 5—12" LP's.

Mono. 25 RR 011. Mfr's. 2002... 4.94

Stereo. 26 RR 003. Mfr's. 0623... 4.94

TEN YEAR HIT PARADE

Enjoy 100 top tunes culled from the musical harvest of the years 1951-1960. Ten hits for each year. Includes: Harbor Lights, Near You, Cry, Steam Heat, Around the World, Witch Doctor, Lollipop, Kookie, The Old Lampplighter, Big Iron, etc. Wt., 2 lbs. Pkg. of 5—12" Mono LP's.

25 RR 009. Mfr's. TMT105... 9.95

ALL-TIME HIT PARADE

100 tunes that never lose their glow, played by five of America's best. Woody Herman, Charlie Barnet, Russ Morgan, Francis Bay and Gordon Jenkins play: Blue Skies, Begin the Beguine, Temptation, 'S Wonderful, I Can't Get Started, etc. Wt., 2 lbs. Pkg. of 7—12" LP's.

Mono. 25 RR 008. Mfr's. TMT-106... 9.95

Stereo. 26 RR 006. Mfr's. TST-106... 9.95

FOR DANCING OR LISTENING

Lawrence Welk plays: Dancing Doll, Doo Wacka Doo, etc. Eddy Howard sings: When You Return, Am I Losing You, Words of Love, etc. David Carroll plays: Live a Little, Ducky, Cute Little Wiggle, etc. 2 lbs. Pkg. of 3—12" Mono LP's.

25 RR 005. Mfr's. MGWP-6... 2.98

PIANO ALL STARS

Three greats exhibit piano virtuosity. Erroll Garner plays Deep Purple, Bonnie Boy, Cologne, Scatterbrain, etc. Jan August offers Miserlou, Honey Bun, September Song, Malaguena, etc. Eddie Heywood renders Soft Summer Breeze, Land of Dreams, Hey There, Let's Fall in Love, etc. 2 lbs. Pkg. of 3—12" Mono LP's.

25 RR 005. Mfr's. MGWP-8... 2.98

PIPE ORGAN AND HARMONICA

Everyone's favorites, including: Old Devil Moon, Wish You Were Here, September Song, Yellow Rose of Texas, Kiss Me Again, The Sidewalks of New York and 34 others. Wt. 2 lbs. Pkg. of 4—12" LP's.

Mono. 25 RR 014. Mfr's. 2012... 3.96

Stereo. 26 RR 002. Mfr's. 0633... 3.96

COUNTRY AND WESTERN SONGS

Country and western hits, including: Song of the Wagon Master, The Last Roundup, Red River Valley, Home on the Range, Cattle Call, etc. plus square dance festival. Wt., 2 lbs. Pkg. of 3—12" LP's.

Mono. 25 RR 012. Mfr's. 2011... 2.98

Stereo. 26 RR 001. Mfr's. 0632... 2.98

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162 SOUND EFFECTS SET

Here's your chance to own a complete library of most sought after sound effects—skillfully recorded in stereo by the expert engineering staff of Elektra Records. A "must" for tape recording and home-movie enthusiasts, theatre groups, slide shows, etc. Includes: trains, traffic, rocket blast off, department store, horse race, birds, windshield wipers, plus others. All effects clearly indexed with precise playback time of each given to the second. An exclusive "Sound Selector" helps you cue-in the effect. Wt., 4 lbs. Pkg. of 4-12" Stereo LP's. **26 RR 012. Mfr's. EKS7000 16.99**

CHILDREN'S WONDERLAND

A complete child's world of famous nursery rhymes, old and new songs that all children love, and enduring stories tastefully and appealingly presented by fine artists. Selections include: Little Bo Peep, Mistress Mary, Alphabet Song, Hey Diddle Diddle, Blue Tail Fly, Bimbo, Brother John, Ten Little Indians, Arkansas Traveler, Casey Jones, Pinocchio, The Little Red Hen, Peter Rabbit, Goldilocks, The Magic Train, Cinderella, The Gingerbread Man, Bobo The Clown, and many more. 5 lbs. Pkg. of 10-12" Mono LP's. **25 RR 010. Mfr's. TMT-107 9.95**

THE MUSIC OF SPAIN

Music that reveals with throbbing intensity the volcanic emotions of a fiery land. Flamenco, Music of the Bullfight and from the Heart of Spain in brilliant sound. Wt., 2 lbs. Pkg. of 3-12" LP's. **Mono. 25 RR 012. Mfr's. 2008 2.98**
Stereo. 26 RR 001. Mfr's. 0629 2.98

THE MUSIC OF HAWAII

Harry Kaapuni and his Royal Polynesians escort you musically through our 50th state. Listen to: Blue Hawaii, Red Sails in the Sunset, Harbor Lights, Aloha Oe, To You Sweetheart Aloha, Luau Lei, Kula Ha, Hawaiian War Chant, and many more. Wt., 2 lbs. Pkg. of 2-12" LP's. **Mono. 25 RR 013. Mfr's. 2009 1.98**
Stereo. 26 RR 000. Mfr's. 0630 1.98

LATIN DANCE FAVORITES

Vigorous interpretations of Latin American music for everyone. Dance the Cha Cha Cha, Rhumba, Tango, Mambo and many others. Played by Perez Prado, Art Mooney, Jose Cubano, Nick Arnold and orchestras. Wt., 2 lbs. 4-12" LP's. **Mono. 25 RR 014. Mfr's. 2005 3.96**
Stereo. 26 RR 002. Mfr's. 0626 3.96

MUSICAL POTPOURRIE

A wide variety of pleasing, lively music for singing, dancing or toe-tapping. Features: Banjo and Percussion, Silent Film Music, Sing Along favorites, More Honky Tonk Piano, famous George M. Cohan songs, Barber Shop Favorites, College Glee Club Songs, songs of the Roaring 20's and Naughty Nineties. Top performers. Shpg. wt., 5 lbs. Pkg. of 9-12" LP's. **Mono. 25 RR 017. Mfr's. 2013 7.99**
Stereo. 26 RR 005. Mfr's. 0634 7.99

JAZZ COLLECTOR'S PACKAGE

Just check these cool offerings: Stan Getz and Horace Silver play Penny, Split Kick, Sweetie Pie, etc. Jonah Jones does Jumpin' on 57th, Manhattan Blues, etc. Errol Garner improvises—Cloudburst, Variations on a Nursery Rhyme, etc. Charlie Parker Combo offers Bongo Beep, Bird Feathers, etc. Parker, Gillespie and Davis play Hallelujah, Dynamo, Get Happy, etc. 3 lbs. Pkg. of 5-12" Mono LP's. **25 RR 015. Mfr's. BAR-5 8.49**

THE JAZZ GREATS

VOL. I. History making performances considered enduring classics of the jazz genre. Art Tatum—Dark Eyes. Joe Williams—Until I Met You, Sometimes I'm Happy, etc. Sarah Vaughan—Witchcraft, Sophisticated Lady, etc. Count Basie—Quince. More. 3 lbs. 5-12" LP's. **Mono. 25 RR 016. Mfr's. WGM-2A 6.95**
Stereo. 26 RR 007. WGM-2A 7.95
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Stereo. 26 RR 007. WGM-2B 7.95

PARIS IN MUSIC

A musical peek into the kaleidoscope of Parisian life: Gaité Parisienne, Passionate Paris, Parisienne Accordion and Cafes of Paris. Songs: C'est Magnifique, Allez-Vous En, Paris in the Spring, etc. Shpg. wt., 2 lbs. Pkg. of 4-12" LP's. **Mono. 25 RR 014. Mfr's. 2006 3.96**
Stereo. 26 RR 002. Mfr's. 0627 3.96

PICK YOUR OWN PACKAGE

Choose any two full-dimensional stereo records listed below, and pay only \$5.00! You save more than half of the original price. Wide selection. Wt., 2 lbs.

- DS-5001. Latin Brass.** John Evans, Mambo Jambo, Tequilla, Patricia, etc.
 - DS-5002. Bill Berry Quartet.** Dream Street, Times Square, Old Devil Moon, etc.
 - DS-5003. BIG Band.** John Evans. Blue Skies, American Patrol, Peter Gunn, etc.
 - DS-5004. Ravel.** Bolero. Tchaikovsky. 1812 Overture. K. Reiner, Hamburg Phil.
 - DS-5005. Honky Tonk.** Mike De Napoli. Turkish March, Schooldays, etc.
 - DS-5007. Madrid Festival Orchestra.** Granada, Espana, La Paloma, etc.
 - DS-5008. Windsor Guard Regimental Band.** Colonel Bogey, El Capitan, etc.
 - DS-5009. Latin Themes.** Don Catelli. Brazil, Taboo, Amapola, Mama Inez, etc.
 - DS-5010. Big Band.** Don Catelli. I Love Paris, Manhattan, Glow Worm, etc.
 - DS-5011. Jazz Tradition.** John Evans. C Jam Blues, All Blues, Whisper Not, etc.
 - DS-5012. Polynesian.** Tamure, Minoi Minoi, Papio, Vahine Anamite, etc.
 - DS-5013. Demonstration Record.** Cars, Animals, Trains, Boats, Fireworks, etc.
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- To Order, Specify Stock No. and Type. Any 2-12" Stereo Records above, **Stock No. 26 RR 008 2 FOR 5.00**

LEARN A FOREIGN LANGUAGE WITH RECORD AND TAPE COURSES

Learn a language naturally with proven monophonic record and tape courses. Record albums contain 2-12" LP's covering 48 lessons, except Russian: 1-12" LP, 24 lessons. 1 lb. 2-track, monophonic 3 1/2" ips tapes. 48 lessons each, except Russian, 24. 10 oz.

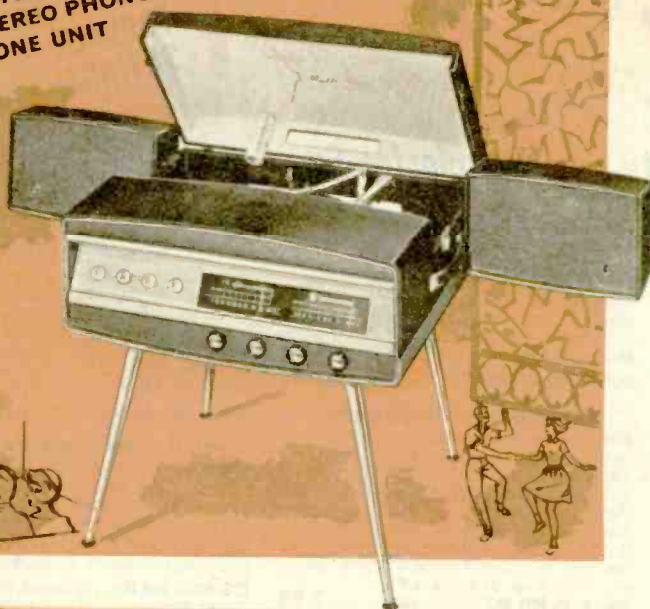
Language	Record			Tape		
	Stock No.	Mfr's Type	EACH	Stock No.	Mfr's Type	EACH
French	25 RR 906	L10	2.98	27 RR 008	LTF10	5.95
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The records on this page represent only a small sampling available from Allied's vast stock. Write for FREE discount catalog—ask for Stock No. 26 RR 999.

Portable Phonos and Radio-Phonos of Fine Quality

**FM-AM, FM STEREO
AND STEREO PHONO
IN ONE UNIT**



STEREO RADIO AND PHONO

A stereo phonograph plus an FM-AM radio combining convenient portability with superior reproduction. Excellent stereo sound is ensured by two remote speakers with 8" woofers and 4" tweeters, producing a wide frequency response of 30-20,000 cps. Each remote has 12' of cable for proper stereo spread. Automatic record changer plays 4 speeds, handling records gently and smoothly. Shuts off automatically after the last record has played. Inter-mixes all size records of same speed—plays 10-12", 12-10" or 14-45 rpm records. Lightweight pickup arm has turn-over stereo cartridge with diamond needle for LP's and sapphire for 78's.

Radio receives FM multiplex, standard FM and AM. Features sensitive circuit plus AFC control that locks in FM stations. Front panel has every control needed—dual Bass, Treble and Loudness; Balance; and Stereo Separation/AFC. Attractive cabinet is of textured tweed—midnight and capri grays. Size: cabinet, 10 1/4 x 25 1/4 x 22 1/2"; each remote, 8 1/2 x 13 1/4 x 5". With 45 rpm spindle. Less legs, below. For 110-120 v., 60 cycle AC. Wt., 45 lbs.

79 RU 330-J. \$9 Monthly. . . NET 169.95

79 RX 321-J. Brushed Brass Legs. For above. 16". Shpg. wt., 5 lbs. NET 6.95



STEREO PHONO WITH REVERBERATION

This smartly styled phono allows you to inject reverberation into stereo sound when you want it, adding even greater depth to stereo. Has 8" speaker in main cabinet for lows—two 6" remote speakers, with 1 1/2" whizzer cones for mid-range and highs. Each remote has 12-ft. cable for stereo spread. Automatic record changer plays 4 speeds—gently handles 10-12", 12-10" or 14-45's. Ceramic turnover cartridge has diamond stylus for LP and 45's; sapphire for 78-rpm records. 5 fingertip controls: dual Bass, Treble and Loudness; Balance, and Reverb control. In gold and white leatherette tweed. Cabinet, 9 1/4 x 25 x 19 1/2"; each remote: 9 3/4 x 14 x 4 1/2". With 45-rpm spindle. Less legs. For 110-120 v., 60 cycle AC. Shpg. wt., 40 lbs.

79 RU 305-J. \$7 Monthly. NET 129.95

79 RX 321-J. Brushed Brass Legs. 16". 5 lbs. NET 6.95

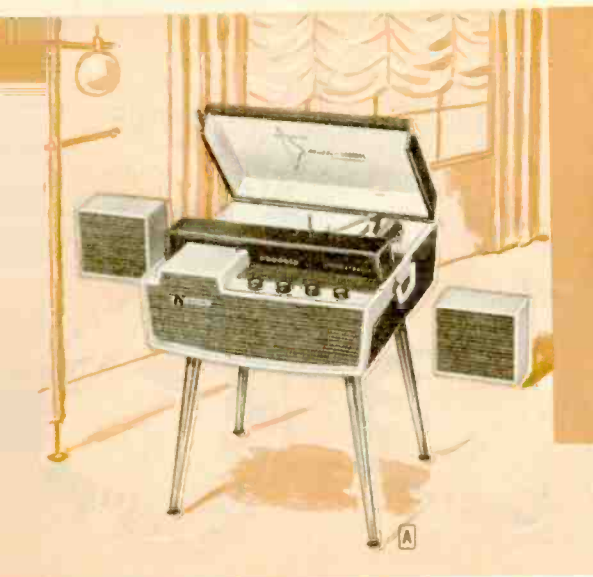
PORTABLE STEREO PHONOGRAPH

A stereo phono, pleasing to the ear and eye. Impressive sound is obtained from 8" speaker in main cabinet reproducing low tones, and two remote speakers with 1 1/2" whizzer cones, furnishing medium and high tones. Remotes can be separated up to 24 feet. Automatic record changer accurately plays 4 speeds and shuts off after last record has played. Turnover stereo cartridge has diamond needle for LP's and 45's—sapphire for 78's. 4 controls quickly adjust sound to exactly suit your taste: dual Bases, Treble and Loudness; Balance. Appealingly styled in gray leatherette trimmed with silver tic. Size: cabinet, 9 3/4 x 25 x 19 1/2"; each remote, 9 3/4 x 14 x 4 1/2". With 45-rpm spindle. Less legs. For 110-120 v., 60 cycle AC. 40 lbs.

79 RU 304-J. \$6 Monthly. NET 109.50

79 RX 332-J. Satin Chrome Legs. 16". 5 lbs. NET 6.95

Engineered and Styled for Contemporary Living



A BUDGET-PRICED STEREO PHONO

An attractively styled phonograph that offers excellent stereo sound. Low notes are carried by a 6" speaker in the main cabinet, while the mid-range and highs are produced by two 5 1/4" remotes. 12-ft. remote cables allow up to 24-ft. stereo spread. Automatic changer plays 4 speeds—10—12" or 12—10" records. Shuts off after last record. Turnover cartridge has diamond needle for LP's and 45's—sapphire for 78's. In brown, white and brushed gold. Cabinet, 9 1/2 x 20 1/2 x 20 1/2"; each remote, 6 1/4 x 6 1/2 x 4 3/4". Less 45-rpm spindle and legs, below. For 110-120 v., 60 cycle AC. Shpg. wt., 31 lbs.

- 79 RU 331-J. \$5 Monthly.....NET 77.95
- 79 RX 321-J. Brushed Brass Legs. 16". 5 lbs.....NET 6.95
- 80 R 162-J. 45-rpm Spindle. 10 oz.....NET 1.89

B STEREO PHONO AND FM-AM RADIO

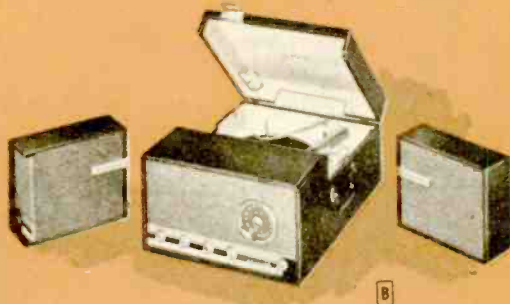
With this moderately-priced unit, you can enjoy stereo recordings, as well as FM and AM broadcasts. Two 5 1/4" remote speakers with 1 1/2" whizzer cones, reproduce full, rich stereo sound and can be separated up to 24 feet for desired stereo spread—enhance the sound of FM and AM, too. Record changer automatically plays 4 speeds, and intermixes all size records of the same speed—shuts off after last record. Smoothly handles 12—10", 10—12" or 14—7" records. Turnover cartridge has diamond needle for LP's and 45's—sapphire for 78's. Radio has AFC circuit for drift-free FM reception. Black diamond finish with accent striping of jet white and French gray. Cabinet, 8 3/4 x 20 1/2 x 21 1/2"; each remote, 8 3/4 x 10 3/4 x 4 1/2". With 45-rpm spindle. Less legs. For 110-120 v., 60 cycle AC. 35 lbs.

- 79 RU 329-J. \$6 Monthly.....NET 112.50
- 79 RX 332-J. Satin Chrome Legs. 16". 5 lbs.....NET 6.95

C LOWEST-COST STEREO PHONO

Top-rated stereo phono providing excellent sound through 3 speakers—one 5 1/4" speaker in the main cabinet and two 4" remotes. Each remote has 8-ft. cable for up to 16 feet of stereo spread. Automatic changer plays 4 speeds, smoothly handling 10—12" or 12—10" records. Shuts off automatically and shifts to neutral position after last record has played. Turnover crystal cartridge has two sapphire needles. Has separate volume control for each channel and dual tone control. Handcrafted all wood cabinet, plastic-coated in iridescent blue and gray. Size: Cabinet, 8 1/2 x 18 x 17 1/4"; each remote, 8 1/2 x 9 1/4 x 3 1/4". Less 45-rpm spindle. For 110-120 v., 60 cycle AC. Wt. 31 lbs.

- 79 RU 300-J. \$5 Monthly.....NET 59.95
- 80 R 162-J. 45-rpm Spindle. 10 oz.....NET 1.89



D MANUAL 2-SPEAKER PHONOGRAPH

An inexpensive portable phonograph offering high-quality monophonic sound through a 4" Alnico V dynamic speaker and 2" whizzer cone. Has turnover cartridge with sapphire needles, and a built-in 45-rpm adapter. Charcoal and white. 12 1/2 x 6 1/2 x 10". For 110-120 volts, 60 cycle AC. Shpg. wt., 9 lbs.

- 79 RU 317-J. \$5 Monthly.....NET 19.50

E 4-SPEED AUTOMATIC PHONOGRAPH

A low-cost portable phono featuring automatic record changing and excellent monophonic sound. Uses extended-range Alnico V speaker and whizzer cone. Changer shuts off after last record. Has turnover cartridge with sapphire needles. Gray and white. 12 3/4 x 11 1/2 x 9 1/2". For 110-120 v., 60 cycle AC. 21 lbs.

- 79 RU 318-J. \$5 Monthly.....NET 39.95



DEPENDABLE SERVICE

Neck is Steel-Reinforced . . . Doesn't Twist or Warp

Laminated Hard Maple Body



Net
\$149.95
\$8 Monthly

Thin Triple-Pickup Professional-Type Electric Guitar



A Net
\$99.95
\$6 Monthly

Thin Dual-Pickup Professional-Type Electric Guitar



B Net
\$89.95
\$5 Monthly

Exciting Electric Guitars for All
Functional, Modern Styling—Full Response

ELEGANTLY STYLED PROFESSIONAL GUITAR

You'll be thrilled by the brilliant sound of this handsome, double cutaway electric guitar. And you'll enjoy the way your fingers swiftly fly over the entire fret range of its thin, adjustable neck. Features Bigsby vibrato tailpiece and steel-reinforced hard maple neck. Top, back and sides are of select laminated curly maple. Oval rosewood fingerboard with Inlaid genuine pearl markers, nickel-silver frets, and celluloid binding. Flat wound professional strings. Also has two pickup units with individual adjustable posts; separate controls and selector switch. Cremona violin-brown with golden sunburst. Hand-rubbed, polished finish. With instructions, song book and pick. 41x15 $\frac{1}{2}$ x2". Less case, below. Shpg. wt., 14 lbs.

24 RX 725. \$8 Monthly. **NET 149.95**
24 RX 729. Case, Shpg. wt., 10 lbs. **NET 30.00**

TRIPLE and DUAL PICKUP GUITARS

A TRIPLE PICKUP. Strum this smartly designed professional guitar and you hear a brilliant, room-filling response—an exciting experience for player and audience. Yet its super auditorium size body is only 2" deep—comfortable to hold and play. Curly maple laminated body with arched top and back; and adjustable, steel reinforced maple neck. Celluloid-bound oval rosewood fingerboard with six large hand inlaid blocks and nickel silver frets. Heavy celluloid binding on top and back edges, multiple inlay on top. Has three powerful sensitive magnetic pickup units with adjusting posts for each string. Each pickup unit has separate tone and volume controls. Total of six controls and an instantaneous selector switch—play any one of the units individually or all together. Flat wound professional strings. Beautifully hand-rubbed polished walnut finish, with golden sunburst on top and back. 41x15x2". With easy instructions, song book and pick. Less case, below. Wt., 14 lbs.

24 RU 724. \$5 Monthly. **NET 99.95**

B DUAL PICKUP. As above, but with 4 controls. **NET 89.95**
24 RU 721. \$5 Monthly.

24 RU 722. Case for Above Guitars. 10 lbs. **NET 12.95**

LIGHTWEIGHT SEMI-SOLID GUITARS

C SINGLE PICKUP. An eye-appealing, beautifully proportioned guitar that combines the pure, brilliant tone of the electric, with the rich undertones of the acoustical guitar. Has tone and volume controls. Hollow body is of laminated, crackproof maple. Slim neck is steel-reinforced. Hard maple fingerboard has five large, hand-inlaid markers and professional frets. Extra-wide white celluloid binding on the top and back edges. Nickel-plated trapeze tailpiece, and top quality guitar strings. Has powerful, sensitive magnetic pickup unit. Chrome-plated guardplate. Attractive dark brown finish with shining sunburst on top and back. With instructions, pick and neck cord. 39x13 $\frac{1}{2}$ x1 $\frac{3}{4}$ ". Less case, below. Shpg. wt., 11 lbs.

24 RU 716. \$5 Monthly. **NET 39.95**

D TRIPLE PICKUP. Same as guitar above, but has three pickup units, each with its own separate tone and volume control, plus an instantaneous selector switch that lets you play each unit separately or all three together.

24 RU 717. **NET 59.95**

24 RU 718. Case for Above Guitars. 10 lbs. **NET 5.95**

Lowest Cost Lightweight Guitars



Net
\$39.95
\$5 Monthly

C



Net
\$59.95
\$5 Monthly

D

Save On Easy-To-Play Acoustical Guitars and Banjos



SPARKLING TONE FOR FOLK MUSIC

Net \$39.95
\$5 Monthly



Net \$19.95

B



Net \$14.95

A



Net \$39.95
\$5 Monthly

DELUXE 5-STRING BANJO

Join the folk song trend and sing along, string along with this lively 5-string banjo. Makes perfect entertainment for informal gatherings. Its laminated, crack-proof maple resonator gives a bright, sparkling tone. Tough, celluloid-bound edge. Maple shell and neck—comfortable to hold—feels just right. Attractive shaded brown finish with golden highlights on resonator. Sixteen nickel-plated brackets assure even tension on the calfskin head. Has adjustable tension pegs. With clear, easy-to-follow, step-by-step instructions. Size, 38 1/2 x 12 3/4 x 4". 10 lbs.
24 RX 726. NET 39.95
24 RX 727. NET 39.95
FOLK BANJO. Same as banjo above, but has 4 strings.
24 RX 727. NET 39.95

A FULL-TONED FLAT-TOP GUITAR

It's easy to play this guitar—and fun, too. You get round, full tones and an excellent response. Features crack-proof laminated body construction, with a slimly-styled, steel-reinforced neck. Has a full 14-fret maple fingerboard. White-striped edge and sound hole, and a bright, reflecting metal tailpiece. With instructions and pick. Size, 38 1/2 x 13 3/4 x 4". Less case, below. 10 lbs.
24 RU 711. NET 14.95
24 RU 712. Case, Wt., 10 lbs. NET 7.95

B FULL-SIZE ARCHED GUITAR

An expertly crafted guitar of super-auditorium size, that produces a large round tone. Has a fully arched, laminated crack-proof maple body. Its slim neck is steel-reinforced to resist twisting and warping. Has an adjustable bridge, and a celluloid guard plate. Attractive shaded reddish brown finish with golden sunburst. With easy-to-follow instructions, comfortable neck cord and pick. 41 x 15 1/2". Less case, below. Wt., 10 lbs.
24 RU 713. \$5 Monthly. NET 19.95
24 RU 714. Case, Shpg. wt., 10 lbs. NET 8.95

MELLOW FOLK GUITAR

Be the center of any folk music get-together with this easy-to-play, mellow-toned guitar. Attractively styled, with a natural white spruce top, offset by genuine mahogany back and sides. Neck is steel-reinforced—resists twisting and warping. Celluloid bound edges plus an extra inlay on the top edge. Sound hole is also bound in celluloid. Rosewood fingerboard with inlaid markers. Has classic type rosewood bridge. Beautiful hand rubbed and polished finish. With instructions, extra nylon strings, cord and pick. 41 x 15 1/2". Less case, below. Wt., 10 lbs.
24 RX 723. NET 39.95
24 RU 714. Case for Guitar Above. Wt., 10 lbs. NET 8.95

DELUXE 20-WATT SPEAKER AMPLIFIER

- Has Two 10" High-Fidelity Speakers
- Vibrato Intensity and Amplitude Controls
- Housed in a Solid-Wood Cabinet
- With Stand-By and Separate On-Off Switches

A superb speaker-amplifier engineered specifically to faithfully reproduce the wonderful tones of the electric guitars described on the facing page. Each of two channels has two inputs, and its own tone and volume controls. Vibrato circuit has input jack for a foot switch. Has 7 tubes. Attractive cabinet. Size, 20 x 24". For 110-120 volts, AC. Shpg. wt., 45 lbs.
24 RX 728. \$5 Monthly. NET 89.95

12-WATT SPEAKER-AMPLIFIER. Has 12" speaker and six tubes. Vibrato circuit with separate intensity and amplitude controls, plus on-off switch. Two channels, each with separate volume controls and a master tone control. Input jack for foot switch. Stand-by switch. Handsome solid-wood cabinet. Size, 16 1/2 x 20 1/2". For 110-120 volts, AC. Shpg. wt., 24 lbs.
24 RU 708. \$5 Monthly. NET 69.95

5-WATT SPEAKER-AMPLIFIER. Has 8" speaker, and 4 tubes. Built-in vibrato. Separate tone and volume controls; 2 vibrato controls and vibrato on-off switch. Jack for foot switch. 17 1/2 x 14 3/4". For 110-120 v., AC. 20 lbs.
24 RU 707. \$5 Monthly. NET 39.95



Front View

Rear View

Net \$89.95
\$5 Monthly

LINCOLN . . . *Finest Transistor Radios*

Pocket Radios of Highest Quality at Economy Prices



EIGHT TRANSISTORS
 Features Power and Sensitivity For Outstanding Reception



SIX TRANSISTORS
 Features Slim Styling to fit Easily into Your Pocket

Reduced \$2.25 From Last Year's Catalog

LINCOLN 8-TRANSISTOR POCKET RADIO

Only
\$17.50

- Really "Pulls In" Distant Stations
- Precise Slide Rule Dial Tuning
- Large 2 1/4" Full-Toned Speaker
- Includes Leather Carrying Case

A transistor radio designed for the person on the go—the man or woman who wants a compact, smartly styled radio that can be depended on for excellent reception, long life and exceptional reliability. Weighs only 12 ounces—yet covers the entire AM band with extraordinary sensitivity. 8-transistor circuit pulls in distant stations with ease.

Has large 2 1/4" speaker that delivers full-bodied sound, rivaling radios costing much more. Tuning is easy and extremely precise. "Full vision" slide rule dial lets you tune right in without any fumbling. Radio is supplied complete with convenient, durable genuine leather carrying case; earphone for late listening or whenever privacy is desired; and 9-volt battery. Compact size, 4 1/2" x 2 1/2" x 1". Imported from Japan. Shpg. wt., 14 oz.

24 SC 001-J. **ONLY 17.50**
 55 J 119. Extra Battery. Shpg. wt., 2 oz. **EACH 21c**

LINCOLN 6-TRANSISTOR POCKET RADIO

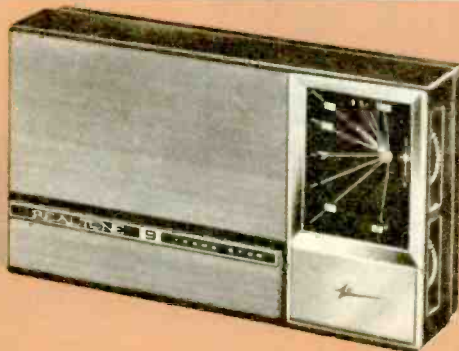
Only
\$10.95

- Slips Easily Into Pocket or Purse
- Soft Pigskin Case and Earphone
- 6 Transistors, 1 Diode, 1 Thermistor
- Designed for Eye and Ear Appeal

A combination of three remarkable features makes this 6-transistor radio the perfect companion to keep you posted on the latest news, sports events and music. It's extremely compact—slips easily into your pocket or purse. It's "feather" light—there's no feeling of carrying a weight around. And it's quality-proven—pulls in the entire AM broadcast band—plays through a big 2" speaker with full-toned sound that lets you catch every word and every note without straining.

You'll enjoy this radio's economy—efficient low-drain circuit adds hours of use to your battery. Tuning scale features large 3/8" optic glass for fast station selection. With attractive leather carrying case, earphone for private listening and battery. 3 1/4" x 2 1/4" x 1 1/4". From Japan. 12 oz.

24 SC 027-J. **ONLY 10.95**
 55 J 119. Extra Battery. Shpg. wt., 2 oz. **EACH 21c**



Attractively Styled Transistor

REALTONE 9-TRANSISTOR RADIO

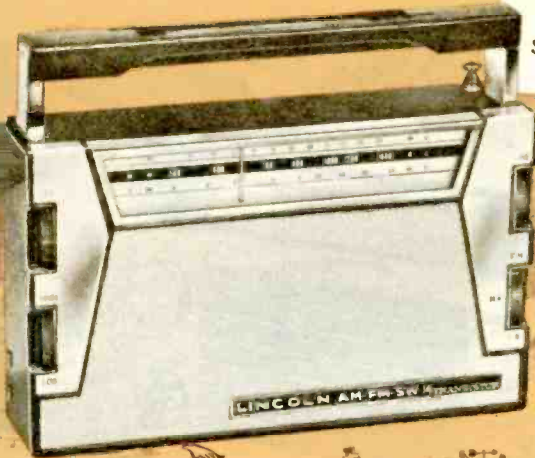
Net
\$21.95

- Has Full-Toned 2 1/4" Dynamic Speaker
- Operates From 4 Penlight Cells
- Sensitive Superheterodyne Circuit
- With Leather Case and Earphone

Highlights automatic volume control to ensure a steady signal, and AGC to prevent fading when radio is moved. Large 2 1/4" speaker delivers full-bodied sound. Ultra-modern tuning face looks sharp and tunes sharp. Uses 4 cells that last a long time due to radio's low current drain. 3 1/2" x 6 1/2" x 1 1/2". With earphone, leather case and batteries. From Japan. Shpg. wt., 2 lbs.

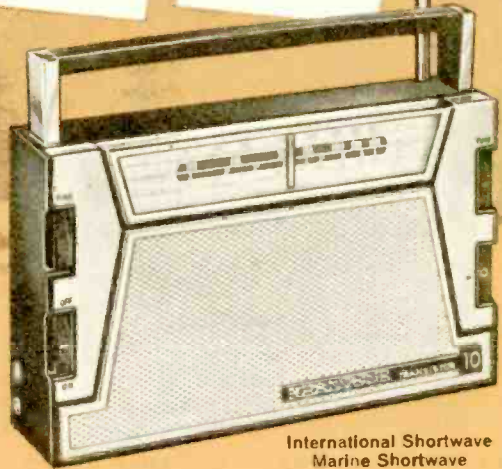
24 SC 029-J. \$5 Monthly. **NET 21.95**
 55 J 020. Extra Batteries. Wt., 2 oz. **EACH 10c**

LINCOLN ... Tune in the World



14 Transistors
FM-AM
SHORTWAVE

10 Transistors
AM
2 SHORTWAVE
LONGWAVE



International Shortwave
Marine Shortwave



FM, AM and Shortwave Band
with 14-Transistor

4-TRANSISTOR FM-AM-SHORT WAVE RADIO

Only
\$59⁹⁵

- 14 Transistors, 6 Diodes and 2 Thermistors
- Has FM Dipole Antenna in Handle
- Telescoping Shortwave Antenna
- AFC Circuit for Drift-Free FM Tuning

This powerful 14-transistor, 3-band radio puts the world right at your fingertips. No need to get the news second-hand—just tune in the shortwave band and get your news directly from Moscow, Paris, London or other centers of international interest. If you're in the mood for fine music, flip to the FM band and relax—you'll enjoy the big sound that pours out of the top-quality 3 1/2" speaker. Of course the AM band is available any time you want to hear popular music, a thrilling sportscast or favorite program. Uses 4 flashlight "C" cells that give up to 400 hours of dependable service between changes. Tuner and phono jacks. In slender black plastic case, 7 1/2"x9 1/4"x2 1/2". With convenient earphone and batteries. Imported from Japan. Shpg. wt., 4 3/4 lbs.

24 SC 022-J. \$5 Monthly. ONLY 59.95
24 SC 024. Leather Case. Wt., 4 oz. NET 4.95
55 J 099. Battery. 2 oz. EACH 16c

10-TRANSISTOR 4-BAND PORTABLE RADIO

Only
\$39⁹⁵

- Hear AM, Short Wave and Long Wave
- Features Electronic Band Spreader
- Has Large, Full-Toned 3 1/2" Speaker
- Slide Rule Dial for Precise Tuning

A very attractive, powerful 10-transistor portable radio that lets you get news at first hand from sources not ordinarily available. Features four tuning bands: long wave—130 to 380 kc; short wave—2 to 18 mc on two bands; and the entire AM broadcast band. There's nothing like the thrill of making personal contact with major cities throughout the world—and it's exciting to hear communications between ships at sea and aircraft in action. It's nice, too, to have popular AM shows available whenever you're in the mood. Dial calibrations are at 75, 49, 41, 31 and 25 meters for convenience. Has AGC, ferrite and telescoping antennas. In sharp black and chrome. 7 1/2"x9 1/4"x2 1/2". With earphone and batteries. From Japan. 4 3/4 lbs.

24 SC 013-J. \$5 Monthly. ONLY 39.95
24 SC 024. Leather Case. Wt., 4 oz. NET 4.95
55 J 017. Battery. 2 oz. EACH 13c

Portable Radios by Realtone

REALTONE 10-TRANSISTOR RADIO

Net
\$32⁹⁵

- Has Full-Toned 4" Speaker for Big Sound
- 10 Transistors, 2 Diodes, 1 Thermistor
- Built-In High Gain Ferrite Antenna
- Sensitive Circuit—4 Audio Stages

Big set performance! Features AGC stage to prevent fading when the radio is moved. Direct drive tuning is extremely precise. AVC assures steady signal—never any blasting or fading. Uses 4 flashlight "C" cell batteries. Top grain calf leather case is integral part of radio. 5 1/2"x9x2 1/4". With batteries. From Japan. Shpg. wt., 3 3/4 lbs.

24 SC 028-J. \$5 Monthly. NET 32.95
55 J 017. Battery. 2 oz. EACH 13c



Deluxe Calf Leather Case

Allied's Credit Fund Plan is the Easiest Way to Get Your Radio

ALLIED 187

LINCOLN

For Enjoyable Listening



3 Bands
9 Transistors
Short Wave
Long Wave
Standard AM



10 Transistors
2 Bands
FM Programs
Standard AM

Reduced \$6.55 From Last Year's Catalog



AM BROADCAST
News; Sports; Entertainment

SHORT-WAVE
Foreign Cities; Amateurs

LONG WAVE
Ships at Sea; Aircraft, etc.

9-TRANSISTOR 3-BAND PORTABLE RADIO

Only
\$2995

- Reduced \$2.93 From Last Year's Catalog
- Antenna Supplied For Each Band
- 2 1/2" Speaker for Big Sound
- With Leather Case and Earphone

A powerful portable with three bands for hours of pleasurable listening. On longwave you hear ships plying the oceans of the world, aircraft communications, etc. Shortwave band puts the world into your hand, and the entire AM band is at your service when you just want to relax. And you get all this in a radio so small that it slips into your coat pocket. Has detachable 10-section short wave whip antenna that clips to the pocket like a pen—extends to 29". Tunes 130-400 kc on long wave and 4-12 mc on short wave. 1 1/4"x4 1/4"x6". With case, earphone and 4 penlight batteries. From Japan. 1 1/2 lbs.

24 SC 002-J. \$5 Monthly..... ONLY 29.95
55 J 020. Battery. Uses 4. 2 oz..... EACH 10c

10-TRANSISTOR FM-AM PORTABLE

Only
\$3995

- Up to 200 Hours on 4 Flashlight Cell
- 10 Transistors, 3 Diodes, 1 Thermistor
- Large 4 1/4"x2 1/4" Oval Speaker
- Twin-Telescoping Whip Antennas

Enjoy pleasurable FM programs anywhere in the house, or wherever you go outdoors, with this handsome 10-transistor portable radio. You'll also appreciate the clear, crisp reception of the AM band. Operation is economical—uses 4 flashlight "C" cells that provide up to 200 hours of playing time. Features AVC circuit to prevent fading and blasting; tone control for precise adjustment to suit your taste. Also has leather handle for easy carrying. Size, 5x8x2 1/4". With earphone for private listening and batteries. Slim-lined in charcoal brown and ivory. Imported from Japan. Shpg. wt., 5 lbs.

24 SC 003-J. \$5 Monthly..... NET 39.95
55 J 017. Battery. 2 oz..... EACH 13c

Fine AM and FM Car Radios That Add to the Pleasure of Riding



Antenna and Speaker
Provided at No Extra
Cost with this Radio

6-TRANSISTOR AM CAR RADIO

A moderately priced AM car radio offering pushbutton ease and superior sound. Compact, all-transistor unit is easily installed beneath or into your dash—makes a handsome addition to the car's interior. Has 3 separate controls: off-on, volume and tone. Pushbutton panel quickly and easily selects 5 stations. Operates in all cars—simply flip polarity switch to match the electrical system of your car. Features sensitive superhet circuit. Supplied with quality speaker and highly efficient antenna. For 6 or 12 volts, D.C. From Japan. Shpg. wt., 6 lbs.

24 SX 218-2J. \$5 Monthly..... NET 39.95

KINEMATIX FM CAR RADIO

Auto radio designed to provide the ultimate in FM reception. Completely handwired, and specially engineered to absorb the shocks of driving. *IF Bandwidth:* 180 kc. *Selectivity:* 2.5 μ v. for 20 db signal to noise ratio. AFC and AGC. Has four IF stages, two limiters and Foster-Seeley discriminator. *Impedance:* 4 ohms. *Capacity:* 5 watts. Has tone control and fused input. 8 tubes, 1 transistor. Mounts below dash. For 12 v., DC neg. ground only. Less speaker and antenna—can be used with present antenna and speaker. 2 1/4"x7 1/4"x8 1/4". 9 lbs. *Reduced \$4.55!*

24 SX 219-J. \$5 Monthly..... NET 79.95

Hi-Fi
FM
Reception



Allied Guarantees Your Satisfaction

Blank-Tape Bonus with Pre-Recorded Stereo Tape

FREE!

1200 ft. reel of blank tape when you buy a tape below.



Only
\$3.99

2 for \$7.49

With the purchase of each 7" reel of 4-track, 3 3/4 ips stereo tape below, you receive one 1200-ft. reel of blank tape at no extra cost. Original price of pre-recorded tape, \$5.95; of blank tape, \$1.29; you save \$3.25. Or buy 2 for \$7.49 and save \$6.99. 1 1/2 lbs.

- SPOTS. St. Louis Blues, Swanee River, Cuddle up a Little Closer, etc. Stock No. **27 RR 003**. Mfr's STF3-801.
 - HEAT MARCHES. Vienna Army, French Stragglers and Deutschmeister Bands. Stock No. **27 RR 003**. Mfr's STF3-808.
 - WALLIAN. George Poole's Orchestra. Li Hai, Hilo March, Blue Moon, etc. Stock No. **27 RR 003**. Mfr's STF3-810.
 - PEP FIELDS. Me and My Shadow, Harp Lights, For Me and My Gal, etc. Stock No. **27 RR 003**. Mfr's STF3-816.
 - JOYD MUM. Tea for Two, Elmer's Tune, Champagne Waltz, Beer Barrel Polka, etc. Stock No. **27 RR 003**. Mfr's STF3-818.
 - ED WEEMS. Heartaches, Mickey, On e Alamo, These Foolish Things, etc. Stock No. **27 RR 003**. Mfr's STF3-824.
 - GEORGE LIBERACE. Blue Danube Waltz, Hey Can't Take That Away From Me, etc. Stock No. **27 RR 003**. Mfr's STF3-829.
- Any Tape Above, With Bonus Tape, EACH **ONLY 3.99**
2 For **ONLY 7.49**

- HAPPY HARMONICA. No Other Love, Yama Yama Man, La Cucaracha, Humoresque, etc. Stock No. **27 RR 003**. Mfr's STF3-843.
 - SALUTE TO TOMMY DORSEY. Well Git It, Daybreak, This Love of Mine, etc. Stock No. **27 RR 003**. Mfr's STF3-860.
 - SALUTE TO GLENN MILLER. Adios, In the Mood, Tuxedo Junction, etc. Stock No. **27 RR 003**. Mfr's STF3-861.
 - PIPE ORGAN. Kibbe and Thomson. Dark Eyes, Oh Promise Me, At Dawning, etc. Stock No. **27 RR 003**. Mfr's STF3-881.
 - DANCING AT THE WALDORF. Carina, Piove, Man I Love, Mustafa, etc. Stock No. **27 RR 003**. Mfr's STF3-882.
 - SOUNDS. Jet engines, sonic booms, trains, sports cars, speed boats, etc. Stock No. **27 RR 003**. Mfr's STF3-885.
 - DIXIE LAND. Wild Bill Davidson. Sweet Sue, Ballin' the Jack, Muskrat, etc. Stock No. **27 RR 003**. Mfr's STF3-907.
- Any Tape Above, With Bonus Tape, EACH **ONLY 3.99**
2 For **ONLY 7.49**

- OLD TIMERS. After the Ball, Harrigan, Bicycle Built for Two, On the Banks of the Wabash, Side by Side, etc. Stock No. **27 RR 003**. Mfr's STF3-911.
 - LONDON POPS ORCH. Ravel's Bolero, Seranati Espanol, Vlva Navarra, Laura, Charmaine, La Paloma, Moulin Rouge, etc. Stock No. **27 RR 003**. Mfr's STF3-918.
 - BROADWAY SONGS Al Goodman. Kansas City, Gigi, Love Look Away, Do Re Mi, Like a God, Some Enchanted Evening. Stock No. **27 RR 003**. Mfr's STF3-930.
 - HONKY TONK PIANO. Elbows Bailey. Mr. Dooley, Chopin Nocturne, etc. Stock No. **27 RR 003**. Mfr's STF3-932.
 - MUSIC OF THE BULL RING. Andaluzia, Gailto, Granada, Angelina, Toque, etc. Stock No. **27 RR 003**. Mfr's STF3-934.
 - STRAUSS WALTZES. London Pops. 1001 Nights, Feldermaus, Vienna Blood. Stock No. **27 RR 003**. Mfr's STF3-941.
- Any Tape Above, With Bonus Tape, EACH **ONLY 3.99**
2 For **ONLY 7.49**

Super Stereo Tapes—Up to 80 Minutes Playing Time



Only
\$6.95
Each

Super 7 1/2-ips 4-track stereo tapes that play up to one hour and twenty minutes! Equal in playing time to 2—12" LP's or 2 regular 4-track tapes, these super tapes offer real price savings in addition to the luxury of longer continuous play. Outstanding performances by fine artists highlight the selections below. Wt., 1 lb.



BROADWAY. 25 "show-stopping" tunes by famous artists. Jane Morgan—Bushel and a Peck; Ella Fitzgerald—Manhattan; Margaret Whiting—Let's Begin; Pete King Choral—Sound of Music; Mel Torme—Too Darn Hot; many more artists and all-time favorite selections. **27 RR 004**. Mfr's RL-406 **6.95**



DANCE BEAT!. Montenegro—Patricia; Andre Previn—Guido's Blackhawk; Cyril Ornadel—Got You Under My Skin; Ira Ironstrings—Charleston; Dizzy Gillespie—Always; Tarrango—Anna; Moziari—Carioca; more listening and dancing music by these and other artists. **27 RR 004**. Mfr's RL-405 **6.95**



5 CENTURIES OF MUSIC. Extraordinary selection from works by classical composers from Gabrieli to Khatchaturian. Includes Corelli, Vivaldi, Bach, Handel, Haydn, Mozart, Beethoven, Schubert, Dvorak, Tchaikovsky, others. Performed by the Bach Guild. **27 RR 006**. Mfr's VTC-1700 **6.95**



MOOD MUSIC. Ferrante and Teicher—Stella by Starlight; David Rose—Thanks for the Memory; Raymond Lefevre—Paris in Stereo; Jose Melis—Sleeping Bee; John Trotter—Miserlou; Buddy Cole—I Cover the Waterfront; more. **27 RR 004**. Mfr's RL-408 **6.95**



SONG FAVORITES. Pete King—Willow Weep for Me; David Rose—Continental; Jane Morgan—Tammy; Frank Hunter—Avalon; Michael Leighton—I Only Have Eyes for You; Peter London—I Can't Get Started With You; Art Lund—A Quiet Life; more songs by these and other artists. **27 RR 007**. Mfr's KTL-42000 **6.95**



ROMANTIC AND NOSTALGIC MOODS. Tex Beneke—Chattanooga Choo Choo; George Greeley—Tonight; Martha Tilton—And the Angels Sing; Buddy Cole—Star Dust; Matty Matlock—Sensation; Don Tiare—Blue Hawaii; Shorty Rogers—Taboo; plus many more. **27 RR 005**. Mfr's WSTC-1500 **6.95**



Stereo Tape Recorders



20 Reels of Tape



Booklet



"86"



KN-4500's

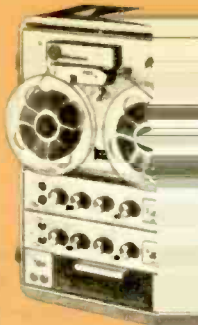


Splicer

Lube Kit



"76 Compact" Recorder



Series 86 "Stereo Compact"

SERIES 86 STEREO-COMPACT OUTFIT

With this carefully selected outfit, you can easily make superb stereo or monophonic tape recordings, and save \$40.45 over the cost of components purchased separately. Consists of: Model RMQ, 86 Stereo-Compact; 2—Knight KN-4500 Microphones with Desk Stands and 10' of Cable; 20 reels of Knight KN-15 Recording Tape; Robins Cleaner-Lube Kit and Booklet. The RMQ (described below) is a recording marvel. Accessories have been expertly chosen to complement it. Wt., 55 lbs.

20 HF 858-J. \$17 Monthly. NET 349.95

ERQ 86 STEREO-COMPACT OUTFIT. Same as above, but with the ERQ 86 Stereo-Compact (described below).

20 HF 859-J. \$17 Monthly. NET 349.95

ESM 86 STEREO-COMPACT OUTFIT. Same as above, but with the ESM 86 Stereo-Compact (described below).

20 HF 860-J. \$17 Monthly. NET 349.95

SERIES 86 STEREO-COMPACT RECORDERS

A combination of Series 86 tape transport and improved record/playback preamp, for a wide range of 20-20,000 cps (± 3 db). Features: front panel selection for sound-on-sound and special effects; automatic equalization setting for $7\frac{1}{2}$ or $3\frac{3}{4}$ ips; head-shift control for playback of 2 or 4-track tapes. $13 \times 13 \times 7\frac{1}{2}$ " sq. cutout. For 110-120 v., 60 cycle AC. Wt., 25 lbs.

79 RU 421-J. Model RMQ. Records, monitors 4-track stereo and mono only; plays 2 or 4-track stereo or mono. NET 299.50

79 RU 420-J. Model ERQ. Records 2-track stereo or mono only; plays 2 or 4-track stereo or mono. NET 299.50

79 RU 452-J. Model ESM. Records, monitors and plays 2-track stereo or mono only. NET 299.50

SERIES 86 "STEREO SUPER-PRO" RECORDER

New, improved professional-quality portable tape recorder with an 86 transport and 2—RP83 preamps. Has separate inputs for mike and tuner, or mixer-preamps, sound-on-sound recording "Erase Protek" switch. Response, 30-16,000 cps (± 3 db). Brov case, $20\frac{1}{4} \times 13\frac{3}{4} \times 10\frac{1}{4}$ ". For 110-120 v., 60 cycle AC. 40 lbs.

79 RU 428-J. Model ES. Records and plays 2-track stereo or mono only. \$17 Monthly. NET 364.5

79 RU 433-J. Model ERQ. Records 2-track stereo or mono; plays 2 and 4-track stereo or mono. \$18 Monthly. NET 394.5

79 RU 429-J. Model RMQ. Records, monitors 4-track stereo or mono; plays 2 or 4-track stereo or mono. \$18 Monthly. NET 394.5

79 RU 453-J. Model ESM. Records, monitors and plays 2-track stereo or mono only. Has separate erase, record, play heads. \$18 Monthly. NET 394.5

VIKING "76 COMPACT" RECORDER

Add 4-track stereo and monophonic recordings to your music system with this versatile, easy-to-use recorder. Consists of: 2-speed transport with two 4-track heads (erase and record/play) and stereo-recording preamp. Specifications: Speed: $7\frac{1}{2}$ and $3\frac{3}{4}$ ips. Reel Size: to 7" max. Response: 25-16,000 cps (± 3 db) at $7\frac{1}{2}$ ips. S/N Ratio: 55 db or better. Inputs: mike and tape head (or front panel); high-level (Radio/TV/Phono) on rear panel. Outputs: playback head and monitor (third head for monitoring can be added). Controls: single, rotary-type Motion control for Rewind, Stop, Play, Fast Forward; Tape Speed Selector; Stereo-Mono; Volume, for each channel; and Function for On-Off, Play and Record. Custom-mounts vertically or horizontally. Handsome two-tone brown $13 \times 13 \times 6\frac{1}{2}$ " deep; requires $12\frac{1}{2}$ " sq. cutout. For 110-120 volts, 60 cycle AC. Shpg. wt., 28 lbs.

79 RU 426-J. \$10 Monthly. NET 199.50

RECORD-PLAY PREAMPS

MODEL RP83. Provides an 80 kc bias, with response of ± 3 db. 30-16,000 cps. Has neon record indicator, VU meter and bias current adjustments, and independent high and low level input controls. For 86P and 86RQ transports. $2\frac{3}{4} \times 13 \times 5\frac{1}{2}$ ". For 110-120 v., 60 cycle AC. Wt., $5\frac{1}{2}$ lbs.

79 RU 460-J. \$5 Monthly. NET 87.50

MODEL RP83-3. As above, but has extra head lead. For 86RMQ transport.

79 RU 472-J. \$5 Monthly. NET 89.50

MODEL RP73. Same as RP83, but finish matches Model 76 Transport.

79 RU 473-J. \$5 Monthly. NET 87.50

MX10 MULTIPLEX FILTER

Permits interference-free tape recording from any FM tuner equipped for stereo multiplex reception. Connects between output jacks of any stereo FM tuner and high level or tuner input of any hi-fi tape recorder. Only $1\frac{1}{4} \times 2\frac{1}{2} \times 2\frac{3}{4}$ ". With phono jacks and mtg. lug. Wt., 2 lbs.

79 RU 477-J. NET 14.50

SERIES 86 TAPE TRANSPORT

2-motor unit. $7\frac{1}{2}$, $3\frac{3}{4}$ ips. 30-16,000 cps (± 3 db). S/N, 55 db. Flutter-wow, under 0.2%. Max. reel, 7". To record, use RP-83 preamp (2 for stereo). $10\frac{1}{2} \times 13 \times 5\frac{1}{2}$ ". For 110-120 v., 60 cycle AC. $12\frac{1}{2}$ lbs.

79 RU 454-J. Model 86P. For playback only—2-track mono. NET 123.00

79 RU 431-J. Model 86RQ. Records 2-track mono; plays 2-track and 4-track stereo or mono. NET 158.50

79 RU 427-J. Model 86RMQ. Records, monitors 4-track stereo or mono; plays 2 or 4-track stereo or mono. NET 179.50

SERIES 76 TAPE TRANSPORT. See specifications under "76 Compact." Shpg. wt., $5\frac{1}{2}$ lbs.

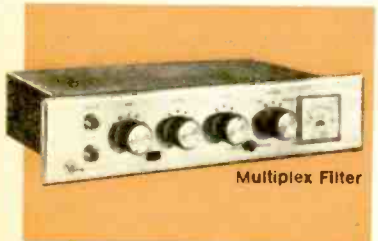
79 RU 478-J. Model 76Q. Playback only. 2 and 4-track stereo or mono. 99.00

79 RU 481-J. Model 76HQ. Records 4-track stereo and mono; plays 2 and 4-track stereo and mono. NET 114.00

79 RU 482-J. Model 76RQ. Records 2-track mono; plays 2 and 4-track stereo and mono. NET 106.00



Preamp

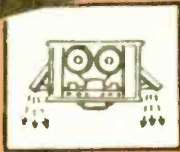


Multiplex Filter

Professional Tape Recorders by



Deflecting Panels for Effective Stereo Separation



Model 2012



1260

MODEL 1270 STEREO MONITOR RECORDER

Net

- Built-In Amplifier-Speakers
- Records 4-Track Stereo and Mono
- Plays 2-Track and 4-Track Stereo and Monophonic Tapes

\$645.00

\$31 monthly

For superb professional results are yours with this extraordinary table recorder. Records 4-track stereo and monophonic tapes; plays 2-track and 4-track stereo and monophonic tapes. Has built-in amplifier-speakers for top-quality monitoring or listening—elliptical speakers are 7", and utilize deflecting panels for effective stereo separation. Also offers: output circuits and jacks for monitoring while recording, with the use of optional stereo heads; 2 automatic shut-off positions for unattended recording or playback; selective erase head for monophonic flexibility with wind-on-sound and language study; automatic tape take-up; master selector switch; built-in mixer, 2 mic., 2 line for professional techniques; recording level meter—reads both channels by multiple switching.

Specifications: Speed: 7½ and 3¼ ips. Reel Size: 7" maximum. Frequency Response: 50 to 15,000 cps at 7½ ips; 50 to 8,000 cps at 3¼ ips. Flutter and Wow: less than 0.2% rms at 7½ ips. Record Inputs: Radio/TV/Phono/Auxiliary; high-impedance microphone inputs. Playback Outputs: cathode follower. Monitor Amplifier/Speakers: dual-channel, two-stage amplifiers with integral power supply, utilizing negative feedback for low distortion—peak output power in excess of 5 watts.

Contained in attractive, two-tone gray, scuff-resistant portable case. Compact size, only 9x15x25½". Less microphones. For 110-120 volts, 60 cycle AC. Shpg. wt., 46 lbs.

79 RU 380-J. \$31 Monthly. NET 645.00

MODEL 351-2P PROFESSIONAL STEREO RECORDER

A portable recorder, designed for continuous duty operation in exacting professional applications. Records and plays 2-track stereo and monophonic tapes. Excellent for use by broadcast studios, educators, research labs, industry, social and religious organizations, etc.—wherever professional quality tape recordings are a must. Consists of two separate elements: tape transport and electronics assembly (with individual electronic panels for each channel) in separate cases.

Specifications: Speed: 7½ and 15 ips; or 3¼ and 7½ ips. Reel Size: 10½" maximum. Frequency Response: ±2 db, 30 to 15,000 cps at 15 ips; 30 to 10,000 cps at 7½ ips; 40 to 7,500 cps at 3¼ ips. Flutter and Wow: below 0.15% at 15 ips; below 0.2% at 7½ ips; below 0.25% at 3¼ ips. Signal-to-Noise Ratio: 55 db at 15 ips; 55 db at 7½ ips. Record Input: low impedance microphone, balanced or unbalanced bridge. Playback Output: plus 8 dbm into 600 ohms, balanced or unbalanced. Amplifiers: separate record (4-stage) and playback (3-stage). Monitor: monitors tape while recording. Meter: 2—4" VU. Motors: hysteresis-synchronous and 2 torque.

Sizes: tape transport, 15½x19x7"; electronics assembly, 14x19x7". Less microphones. For 110-120 volts, 60 cycle AC. Shpg. wts., tape transport, 58 lbs.; electronics assembly, 36 lbs.

79 RU 458-J. 351-2P (30810-07). 3¼ and 7½ ips. NET 2325.00

79 RU 459-J. 351-2P (30810-03). 7½ and 15 ips. NET 2325.00

MODEL 1260 PORTABLE STEREO RECORDER

Net

\$545.00

\$23 monthly

- Has 3 Precision Heads
- Exact Tape Tracking
- Selective Erase Head
- 2 Automatic Shut-Offs

A portable recorder that's professional all the way. Records 4-track stereo and mono; plays 2-track and 4-track stereo or monophonic tapes. Features: 3 precision heads for narrow track recording; exact tape tracking with improved tape guidance system; 2 automatic shut-offs for unattended recording or playback; new selective erase head; automatic take-up; master selector switch; built-in mixer. Operates at 7½ and 3¼ ips. Frequency response, 50 to 15,000 cps at 7½ ips; 50 to 8,000 cps at 3¼ ips. Only 9x15x17½". Has smart charcoal gray portable case. Plays back through external power amplifiers and speakers—will drive high-impedance headsets directly. Less power amplifiers and speakers (see Model 2012 Amplifier-Speaker, below); and less mikes. For 110-120 v., 60 cycle AC. 38 lbs.

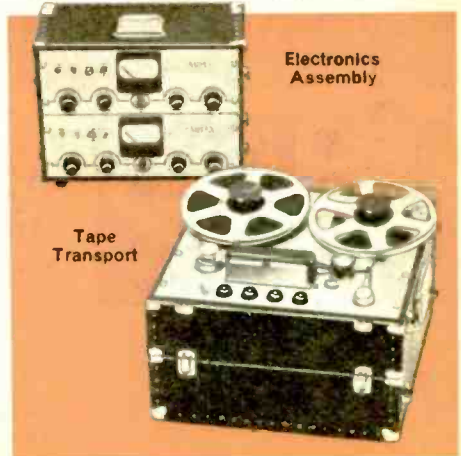
79 RU 379-J. \$23 Monthly. NET 545.00

79 RU 378-J. Model 1250. As above, but less portable case. Finished in charcoal gray. \$21 Monthly. NET 499.50

MODEL 2012 MATCHING AMPLIFIER-SPEAKER

Designed for use with Ampex 1200 Series recorders, but can be used with any recorder for excellent audio response and clarity. Can be used singly for monophonic, or used as matched pair for stereo. Output, 10 watts (20 watts peak) flat, ±0.1 db. In handsome portable charcoal case, 9x17½x15". For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 35 lbs.

79 RU 381-J. \$10 Monthly. NET 199.50



Electronics Assembly

Tape Transport

Tape Recorders Are Shipped via Express or Truck

**SONY
SUPERSCOPE**

Quality Stereo and Monophonic Ta

MODEL 777-S4 PROFESSIONAL STERECORDE

Only
\$595.00

\$25 monthly

- All-Transistor Design
- Complete Remote Control
- Military-Type Modular Plug-In Circ

Brilliantly engineered all-transistor portable stereo tape recor
Records and erases 4-track. "Electro Bi-Lateral" playb
head—permits playing 2 and 4-track stereo and monoph
tapes without head re-alignment or track-width comprom
Two speeds—3 1/4 and 7 1/2 ips. Has 3 head units, 3 motors, Pu
button relay/solenoid controls. Remote control unit incorpora
all tape functions. Two VU meters, automatic tape lift
military-type modular plug-in circuitry. Facilities for monitori
as well as sound on sound, echo and other special effects. I
sponse (± 2 db): 40-15,000 cps @ 7 1/2 ips, 40-8,000 cps @
ips. Flutter and wow, less than 0.15% @ 7 1/2 ips. Takes 7" rec
Less speaker-amplifier units (below) and mikes. With carry
case. 17 1/2 x 16 x 9". Imported from Japan. For 110-117 v., 60 cyc
AC. 50-cycle model available on special order. 50 lbs.
79 RU 418-J. \$25 Monthly. NET 595.00

79 RU 419-J. 777-S2 Recorder. Same as above, but 2-track reco
and erase, 4-track play. 43 lbs. **NET 595.00**

79 RU 498-J. AS-777 Matching Speaker-Amplifier. 10-watt a
transistor amplifier; 8" speaker. Use two for stereo. For 110-117
60 cycle AC. 19 x 16 x 9". 29 lbs. **NET 175.00**

79 RU 499-J. MX-777 Mixer. 6-channel, all-transistor stereo/mon
phonic mixer. Battery-operated; supplied with battery. 16 x 15 1/2
6 1/4". Shpg. wt. 12 lbs. \$9 Monthly. **NET 175.00**

MODEL 464-D "STERECORDER" STEREO TAPE DEC

Make recordings of superior quality with the 464-D; play the
through your stereo system. Built-in record and playback pre
amps for 4-track stereo and monophonic operation. Creat
special effects, sound on sound, parallel tracks (ideal for musi
and language training). "Magic-eye" level indicators, digit
counter, tape lifters. With channel integrator control unit. 3 1/4 an
7 1/2 ips. Takes 7" reels. 13 1/2 x 11 1/2 x 6". Imported from Japan. Fo
110-117 v., 60 cycle AC. 30 lbs.

79 RU 411-J. \$10 Monthly. NET 199.50

79 RX 412. Carrying Case for 464-D. 10 lbs. **NET 25.00**

MODEL 262-D STEREO TAPE TRANSPORT

Ideal for playing 4-track stereo and monophonic tapes through
your music system. Just add preamp (below) for complete re
cording. Takes 7" reels. 5 1/2 x 13 x 10". Imported from Japan. For
110-117 v., 60-cycle AC. Shpg. wt., 11 lbs.

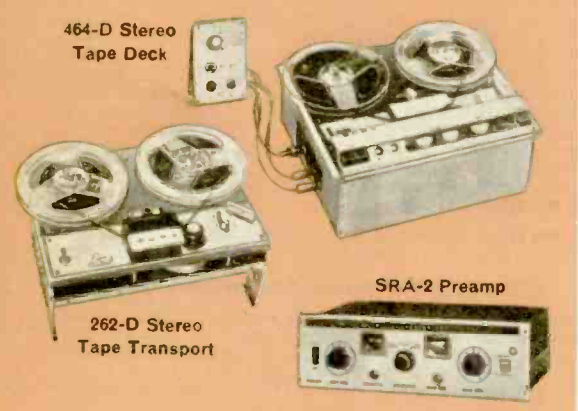
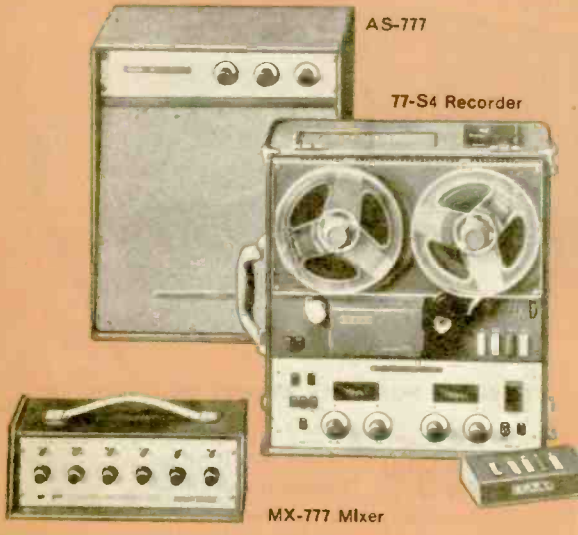
79 RU 416-J. \$5 Monthly. NET 89.50

79 RU 408. Walnut Base for 262-D. 4 lbs. **NET 9.95**

MODEL SRA-2 STEREO RECORDING PREAMP

For 262-D. Ideal for custom mounting. 80-kc bias freq. 3 1/2 x 12 1/2 x
8 1/2". For 110-117 v., 60 cycle AC. 13 lbs.

79 RU 410-J. \$5 Monthly. NET 89.50



NEW EICO TRANSISTORIZED Deluxe 2-Speed Stereo Tape Deck

NEWLY IMPROVED DESIGN—IN SEMI-KIT OR WIRED FORM

Semi-Kit
\$299.95
\$15 monthly

Wired
\$399.95
\$18 monthly

- 3 Specially Designed New Motors
- Precision-Balanced Flywheel
- Automatic End-of-Tape Stop Switch
- 14-Transistor Record/Play Preamp



MODEL RP100K. Professional-quality 2-speed stereo tape deck with easy-to-
assemble transistorized record/play preamp. 3-head design permits 4-track stereo
and monophonic record/play, 2-track stereo and monophonic playback, plus direct
monitoring, and sound-on-sound recording. New hysteresis-synchronous capstan
motor, DC electrodynamic braking, tape lifters, two recording meters, separate
mixing-type mike and high-level inputs. Response (± 2 db): 30-15,000 cps at 7 1/2 ips,
30-10,000 cps at 3 1/4 ips. Takes 7" reels. 13 1/2 x 15 1/2 x 7 1/4". For operation from 110-120
v., 60-cycle AC. Shpg. wt., 48 lbs.

79 RZ 480-J. \$15 Monthly. NET 299.95

79 RZ 479-J. Model RP100W. As above, but factory-wired **NET 399.95**

Recording Equipment

Only
\$405.50
Save \$88.00

CS-300 STEREO TAPE SYSTEM

- Top Savings
- Superior Quality
- Complete Versatility

A deluxe stereo tape system—at savings of \$88.00! Complete facilities for 2 and 4-track stereo and monophonic playback and recording. System includes: Sony CS-300 Stereorecorder with 2 dynamic mikes and carrying case; Sharpe HA-10 professional stereo headset; 20—7" reels of Knight KN-30 1800" "Plus-Play" tape; Robins TK-4STD splicing and editing kit. The versatile CS-300 is packed with features: built-in 6-watt stereo amplifier and speakers, adjustable sound directors, hysteresis-synchronous drive motor, 2 VU meters, provision for FM stereo recordings. Response (± 2 db); 50-15,000 cps at 7 1/2 ips, 50-8,000 cps at 3 3/4 ips. Shpg. wt., 70 lbs.

20 HF 861-J. \$19 Monthly..... **NET 405.50**

79 RZ 413-J. CS-300 Stereorecorder Only. With mikes and carrying case. 9x20x14". Imported from Japan. For 110-117 v., 60-cycle AC. Shpg. wt., 50 lbs..... **NET 399.50**

Only
\$305.50
Save \$66.80

CS-464 HI-FI TAPE SYSTEM

- Built-In Speakers and Stereo Amplifier
- Channel Integrator for Sound on Sound
- Includes Two Dynamic Microphones; Headset; Recording Tape; Tape Splicing and Editing Kit

Save \$66.80 on this outstanding stereo tape system. Records and plays back 4-track stereo and monophonic tapes. System includes: Sony CS-464 recorder with 2 dynamic mikes and case, Sharpe HA-10 professional stereo headset, 10—7" reels of Knight KN-30 1800" "Plus-Play" tape, Robins TK-4STD splicing and editing kit. The CS-464 is the same as the 464-D listed on the facing page, but it includes a built-in 6-watt stereo amplifier and speakers, channel integrator for sound-on-sound recording, and adjustable sound directors. Shpg. wt., 60 lbs.

20 HF 862-J. \$15 Monthly..... **NET 305.50**

79 RU 417-J. CS-464 Only. With dynamic mikes and carrying case. 22 1/2x13 1/2x8 1/2". Imported from Japan. For 110-117 v., 60 cycle AC. Shpg. wt., 40 lbs..... **NET 299.50**



262-SL HI-FI TAPING OUTFIT
• Save \$31.89
• 5 Stereo Tapes
• Sound on Sound

Connect to any stereo system for playback of 2 and 4-track stereo tapes. 4-track monophonic record and playback. You get: Sony 262-SL recorder with case, earphone and dynamic mike; 10—600" reels of Knight KN-15 tape; Robins TK-4STD tape kit, TE-128 booklet; 5 reels of Lincoln pre-recorded 4-track stereo tapes. Shpg. wt., 37 lbs.

20 HF 646-J..... **NET 205.50**

79 RU 414-J. 262-SL Only. Case, earphone, mike. 7x14x11". From Japan. For 110-120 v., 60 cycle AC. 21 lbs..... **NET 199.50**



111 "TAPECORDER" OUTFIT
• Save \$7.88
• Plays at 1 1/2 and 3 3/4
• Level Indicator

You'll get top performance from this compact recorder. Records and plays 2-track monophonic tapes at 1 1/2 and 3 3/4 ips. Has built-in amplifier, speaker, level indicator, record interlock, mike and radio inputs. With mike and empty reel.

You also get a 600" reel of tape, splicer, tape cleaner kit and editing and splicing book. 4 1/2x8 1/2x7 1/4". Coral and white. Includes external speaker output jack. From Japan. For operation from 110-117 v., 60-cycle AC. Shpg. wt., 16 lbs.

20 RU 331-2-J. \$5 Monthly..... **NET 80.50**

79 RU 409-J. 111 Only. 14 lbs. **79.50**



101 "TAPECORDER" OUTFIT
• Save \$10.98
• Tape Lifter
• Dynamic Mike

Capture the sounds of children at play, narrate home movies. Everything you need for easy recording. Records and plays 2-track monophonic tapes at 3 3/4 and 7 1/2 ips. Includes level indicator, automatic tape lifter. With dynamic mike and empty plastic take-up reel.

You also get 3—600" reels of tape, splicer, tape cleaner kit, editing and splicing book and "How to Make Better Recordings" book. 6 1/2x13x10". From Japan. For 110-117 v., 60-cycle AC. 28 lbs.

20 RU 330-2-J. \$6 Monthly..... **NET 100.50**

79 RU 415-J. 101 Only. 26 lbs. **99.50**

Allied Guarantees Your Satisfaction

ALLIED 193



Versatile, Wide-Range Recorders by

Tandberg

PROFESSIONAL
QUALITY
RECORDERS



NEW MODEL 64 4-TRACK STEREO DECK

- Net **\$498.00**
\$21 monthly
- Records/Plays 4-Track Stereo/Mono
 - Three Speeds—1 1/2, 3 3/4, 7 1/2 ips
 - Hysteresis-Synchronous Drive Motor
 - Three Separate 4-Track Stereo Heads

New model of the renowned Model 6, now offers even more superb features. Three separate 4-track heads, including new ferrite-core erase head, plus 2 record and 2 playback preamps permit stereo and mono recording, sound-on-sound, echo, etc. Also has multiplex filter. Response: ±2 db, 30-16,000 cps @ 7 1/2 ips; 40-11,000 cps at 3 3/4 ips; 50-5,500 cps at 1 1/2 ips. Flutter/Wow: under 0.1% @ 7 1/2 ips. Cathode-follower outputs. 6x16x12". Wood base. Less mikes, below. U.L. Approved. For 115V, 60 cycle AC, 27 lbs.

- 79 RU 488-J. \$21 Monthly. NET 498.00
79 RU 489-2J. 64-1. Above, with carrying case. 30 lbs. \$519.90
79 R 446. 22-FP Foot Pedal. For remote operations. Controls start-stop, forward-reverse. 3 lbs. NET 18.00
79 RX 443. TC-56 Case. 6 lbs. NET 24.50
79 R 439. CM-6 Mike. 30-12,000 cps. 12' cable. 4 oz. 15.00

NEW MODEL 74 4-TRACK TAPE RECORDER

- Net **\$399.50**
\$18 monthly
- Record/Playback Preamplifier
 - Three Speeds, Synchronous Drive Motor
 - Precision Record/Play Head, Erase Head
 - Built-In Stereo Amplifier, Speakers

Deluxe 3-speed stereo recorder has built-in 6-watt stereo amplifier and 2—7" speakers. Records and plays 4-track stereo and mono tapes. Precision record/play head; ferrite-core erase head. Lever controls forward, rewind, fast-forward, stop; "free" position for threading. Record/playback/amplifier mode switch. Synchronous motor. Separate stereo volume controls. Response: ±2 db, 40-16,000 cps @ 7 1/2; ±2 db, 40-10,000 cps @ 3 3/4; ±2 db, 50-5,000 cps @ 1 1/2 ips. Wow & Flutter: .15% @ 7 1/2 ips. Mike and line stereo inputs, stereo cathode follower and speaker outputs. Less mikes. 15 1/4 x 11 1/4 x 6". For 110-120v., 60 cycle AC. 27 lbs.

- 79 RU 487-J. \$18 Monthly. NET 399.50
79 RU 440-J. Model 65 Tape Player. Same as Model 64, left, but less record-play preamplifiers, base. Stereo tape head outputs. Mtg. bracket. 18 lbs. \$10 Monthly. NET 199.50

Model T-347 4-Track Stereo Tape Deck

Bell



- Net **\$319.95**
\$16 monthly
- Record/Playback Preamplifier
 - 2 Speeds—3 3/4 and 7 1/2-ips
 - 3 Heavy-Duty, 4-Pole Drive Motors
 - Three Separate Precision Tape Heads
 - Automatic Shutoff; Tape Lifters, Too

Get recording studio performance in your own home. The T-347 records and plays back 4-track stereo or monophonic tapes. Three separate precision 4-track heads—playback, record, and erase—permit off-the-tape monitoring, echo, sound-on-sound, "DuoSound" to add stereo effect to monophonic music sources. Three heavy-duty 4-pole motors, two spooling motors and a capstan motor, control tape perfectly. Electro-dynamic braking stops tape without spillage, stretch or breakage.

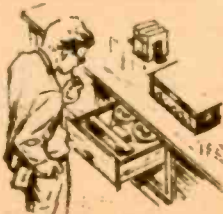
Push-button controls select 3 3/4 or 7 1/2 ips tape speeds, Off-Run, Rewind, Fast Forward, Standby. Has automatic shutoff; tape lifters; tape counter. Stereo mike and tuner inputs; amp. outputs, headphone jacks, dual meters. Response: ±3 db, 18-16,500 cps @ 7 1/2 ips. Flutter: below 0.2% @ 7 1/2 ips. Takes 7" reels. Wood-grained and chrome finish. 15 1/4 x 13 1/2 7". For 110-120 v., 60 cycle AC. 29 lbs.

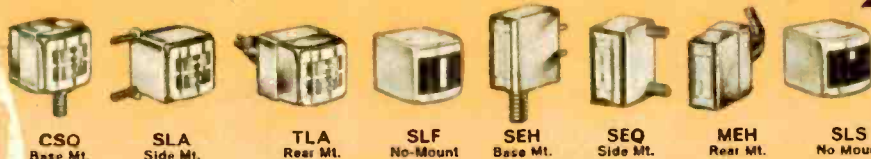
- 79 RU 497-J. \$16 Monthly. NET 319.95
MODEL T-337 TAPE DECK. Records 4-track stereo and mono, plays 2-track and 4-track stereo and mono. 29 lbs.
79 RU 456-J. \$15 Monthly. NET 299.95

79 RU 455-J. Model T-333 Tape Transport. As above, but less record/playback preamplifier. Plays 2 and 4-track stereo or monophonic tapes through any stereo amplifier with "tape head" inputs (for recording, must be used with separate stereo recording preamplifier). 23 lbs. NET 179.95

79 RU 457. Model 300-CC Portable Carrying Case. For above units. Has storage area, access to inputs and outputs. Scuff-proof vinyl covering. 8 1/2 x 16 1/2 x 18". 15 lbs. NET 34.95

Custom-mount your Bell stereo tape deck. Its handsomely-styled wood-grained finish with chrome highlights, blends with any cabinetry, and you'll have good results using it either upright or horizontally.





Nortronics

Magnetic Tape Heads

2-TRACK AND 4-TRACK STEREO AND MONOPHONIC TAPE HEADS

RECORD/PLAYBACK HEADS. Professional-type laminated cores except SLS types. Response: 30-15,000 cps at 7 1/2 ips. Crosstalk rejection on stereo heads: 50 db. Av. wt., 6 oz.

ERASE HEADS. Efficient double-gap construction, all metal case. High imp. types require 100-150 v. Medium imp. types require 30-50 v. For erase frequencies up to 100 kc. 6 oz.

"QUICK-KIT" MOUNTING KITS. For converting no-mount heads in table, right, to side or base-mount heads. 4 oz.

For Heads	Side-Mount		Base-Mount	
	Stock No.	QK	Stock No.	QK
CSQ, TLA	81 RC 951	#38	81 RC 954	#66
SLA, SLF	81 RC 952	#20	81 RC 955	#21
SLS	81 RC 953	#18	81 RC 956	#19
All Erase				
NET EACH	1.00			

MFR'S TYPE	DESCRIPTION	IND. MHY.	GAP. MILS.	IMP. OHMS @60Kc	NO-MOUNT		REAR-MOUNT	
					STOCK NO.	NET EACH	STOCK NO.	NET EACH
CSQ2K	4-tr. stereo, R/P high-imp. for tubes	750	0.10	.....	81 RC 964	21.00	81 RC 988	22.60
CSQ4K	4-tr. stereo, R/P low-imp. for transistors	100	0.10	.....	81 RC 965	21.00	81 RC 989	22.60
CSQ4R	4-tr. stereo, record only, tubes/trns.	60	0.50	.....	81 RC 966	21.00	81 RC 990	22.60
CSQ7K	4-tr. stereo, R/P med-imp., tubes/trns.	350	0.10	.....	81 RC 967	21.00	81 RC 991	22.60
TLASL	2-tr. stereo, R/P high-imp. for tubes	700	0.16	.....	81 RC 968	23.30	81 RC 992	24.80
TLAAL	2-tr. stereo, R/P med-imp. tubes/trns.	350	0.16	.....	81 RC 969	23.30	81 RC 992	24.80
TLASL	2-tr. stereo, R/P low-imp. for trns.	100	0.16	.....	81 RC 970	23.30	81 RC 993	24.80
TLAAL	2-tr. stereo, record only, tubes/trns.	60	0.50	.....	81 RC 971	23.30	81 RC 994	24.80
SLASL	2-tr. mono, R/P high-imp. for tubes	700	0.16	.....	81 RC 972	15.90	81 RC 995	17.40
SLAAL	2-tr. mono, R/P med-imp. tubes/trns.	350	0.16	.....	81 RC 973	15.90	81 RC 996	17.40
SLASL	2-tr. mono, R/P low-imp. for trns.	100	0.16	.....	81 RC 974	15.90	81 RC 997	17.40
SLAAL	2-tr. mono, record only, tubes/trns.	60	0.50	.....	81 RC 975	15.90	81 RC 998	17.40
SLS1L	2-tr. mono, R/P high-imp., solid core	900	0.16	.....	81 RC 976	8.40	81 R 007	9.90
SLS2K	2-tr. mono, R/P med-imp., solid core	350	0.16	.....	81 RC 977	8.40	81 RC 999	9.90
SLS3L	Full-track, R/P medium impedance	250	0.16	.....	81 RC 978	33.20	81 RC 900	34.70
SLS4R	Full-track, record only, low-imp.	70	0.50	.....	81 RC 979	33.20	81 RC 901	34.70
SEQ4	4-tr. stereo erase, high-impedance	80	.....	30 K	81 RC 980	12.00	81 RC 035	13.50
SEQ4	4-tr. stereo erase, medium-impedance	10	.....	2.8K	81 RC 981	12.00	81 RC 902	13.50
SEH1	2-tr. stereo erase, high-impedance	80	.....	25 K	81 RC 982	12.00	81 RC 015	13.50
SEH4	2-tr. stereo erase, medium-impedance	8	.....	2 K	81 RC 983	12.00	81 RC 903	13.50
MEH1	2-tr. mono erase, high-impedance	80	.....	25 K	81 RC 984	8.00	81 RC 018	9.50
MEH4	2-tr. mono erase, medium-impedance	8	.....	2 K	81 RC 985	8.00	81 RC 904	9.50
MEF1	Full-track erase, high-impedance	40	.....	12 K	81 RC 986	14.00	81 RC 905	15.50
MEF4	Full-track erase, medium-impedance	3.5	.....	1 K	81 RC 987	14.00	81 RC 906	15.50

TAPE HEADS DO WEAR OUT!

You Can Check Them Yourself
Even the best tape head can wear. When it does, you lose much of the quality and response you get from tape. Here's how you check...

INSPECT HEAD FOR:

- A** Worn spot—causes loss of highs.
- B** Vertical black line dividing either pole piece—causes loss of gain.



If head shows either or both symptoms, it needs replacement.



FOUR-TRACK STEREO CONVERSION KITS FOR POPULAR TAPE RECORDERS

Permit playback of 4-track stereo pre-recorded tapes while retaining existing monophonic record/playback facilities.

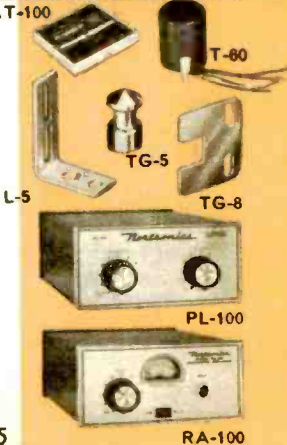
- MODEL WR-35.** Record/play head kit for Wollensak and Revere 2-track stereo recorders. Height adjuster. 6 oz.
81 RC 029. \$5 Monthly. NET 25.50
- MODEL WR-40.** Erase-record/play assembly for all Wollensak and Revere mono recorders. Height adjuster. 6 oz.
81 RC 957. \$5 Monthly. NET 32.50
- MODEL WR-60.** Stereo erase and record/play assembly with head shifter for 4-track mono recording. Fits Wollensak and Revere stereo and mono recorders. 6 oz.
81 RC 009. \$5 Monthly. NET 49.50
- MODEL P-6.** Conversion record-play head and bracket. For Pentron mono and 2-track stereo recorders. 6 oz.
81 RC 010. \$5 Monthly. NET 29.70

- MODEL V-6.** Record/play head for VM recorders. 6 oz.
81 RC 033. \$5 Monthly. NET 25.50
- MODEL W-6.** Record/play head with shifter and bracket. For Webcor 2800, 2900, and 2000 (except 2020 series). 6 oz.
81 RC 034. \$5 Monthly. NET 36.00
- MODEL W-2.** Not illus. Playback only conversion record-play head kit. For Webcor Models 210, 2020, 2100, 2600 and 2700 series recorders. Wt., 6 oz.
81 RC 958. \$5 Monthly. NET 27.00
- MODEL WR-20.** Complete monophonic erase and fine-gap record/play head assembly. For Wollensak and Revere recorders. Provides better high frequency response. With cable. 6 oz.
81 RC 959. NET 15.00

SELECTED TAPE RECORDING ACCESSORIES — DEPENDABLE...TOP QUALITY

- T60E BIAS OSCILLATOR COIL.** For 12AU7 tube circuit. Supplies 115 v. at 60-75 kc to all recording heads and high-imp. erase heads listed, above. 6 oz.
81 RC 960. NET 4.50
- T60-T2 BIAS OSCILLATOR COIL.** For single or push-pull transistor circuit. Supplies 30-120 v., at 60-100 kc to record and erase heads, above. 6 oz.
81 RC 961. NET 4.50
- AT-100 ALIGNMENT TAPE.** Full-track 7 1/2 ips tape for checking azimuth alignment and frequency response of any recorder. Instructions recorded on tape. 8 oz.
80 R 111. NET 4.95
- TG-5 TAPE GUIDE POST.** Useful to control height of tape near tape head. 3 oz.
81 R 962. NET 70c
- TG-8 TAPE GUIDE PLATE.** Use with any side-mount style head to control tape position. 3 oz.
81 R 963. NET 50c

- L-5 BRACKET.** Universal type, for mounting side-mount style heads on any tape recorder. 3 oz.
81 R 004. NET 50c
- PL-100 PLAYBACK AMPLIFIER.** Compact. delivers 3 watts to 4, 8, or 16-ohm speaker. Inputs: high-imp. tape head, magnetic or ceramic cartridge phono, tuner. Equalization: variable, NAB/RIAA. Response: 30-15,000 cps. ±2 db Output: P-P triodes and 1-v. cathode follower. For 115 v., 60 cycle AC. 2 1/2"x5x8 3/8". 6 lbs.
81 R 052. \$5 Monthly. NET 46.50
- RA-100 RECORDING AMPLIFIER.** Use in pairs for recording stereo. Adjustable for use with most tape heads, supplies audio and 65 kc bias to any head listed above, plus 115 v. to high-imp. erase head. VU meter, monitor output. Inputs: mike, tape head, phono, tuner. Equalization: NAB/RIAA. 2 1/2"x5x8 3/8". For 115 v., 60 cycle AC. 6 lbs.
81 R 055. \$5 Monthly. NET 57.50



Allied Guarantees Your Satisfaction

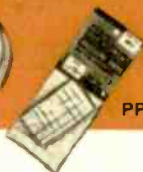
ROBINS



HC-2



TC-7



PP-1



TK-4JR



TK-2

Deluxe kit of tape recording accessories, including TS-8D splicer.

Head cleaner, jockey cloth for cleaning and lubricating tape.

HC-2 TAPE HEAD CLEANER

Removes distortion-producing dirt, grime and oxides from heads. Applicator cap. 2 fl. oz. Shpg. wt., 4 oz.

80 R 113. List, \$1.00.....NET 69c

TAPE STORAGE CANS

TC-7. Steel can for safe storage of tapes to 7" dia. Shpg. wt., 8 oz.

80 R 207. List, 75c.....NET 50c

80 R 208. TC-5. 5" dia. 6 oz.....36c

REPLACEMENT PRESSURE PADS

PP-1. Assortment of pre-cut felt pressure pads to fit almost all recorders. Shpg. wt., 2 oz.

80 R 209. List, \$1.00.....NET 69c

ROBINS "GIBSON GIRL" TAPE RECORDER ACCESSORY KITS

Stock No.	Type	Description	Wt.	List	NET
80 R 121	TK-2	HC-2 head cleaner and JCT-2 cloth.	4 oz.	\$2.00	1.35
80 R 120	TK-4H	H-4 splicer, ST-500 spl. tape, TC-12 tape clips, JCT-2 jockey cloth, TE-24 book.	1 lb.	3.25	2.19
80 R 115	TK-4JR	TS-4J splicer, HC-2 head cleaner, ST-375 splicing tape, TT-1 tape threader, JCT-2 cloth, TC-12 tape clips, SL-30S labels, TE-24 book	1½ lb.	10.00	6.75
80 R 213	AVK-1	Complete kit—every accessory for the language lab, recording studio, audio-visual dept., professional recordist. ME-99 eraser, HD-6 demagnetizer, TS-8D splicer, 6 rolls of ST-500 spl. tape, TK-5 strobe, TK-6 cleaner and lubricant, TT-1 tape threader, JCT-2 jockey cloth, 12—SL-30S labels, 2—TC-12 tape clips.	14 lbs.	65.00	48.75



SELECTED TAPE RECORDING ACCESSORIES

80 R 174. "KLEEN-TAPE". For cleaning heads, 5" reel, 4 oz.....NET 1.73

80 R 138. "LONG LIFE" KIT. One bottle each of head cleaner, head lubricant, tape conditioner. Shpg. wt. 1 lb.....NET 3.45

COUSINO U-310C TAPE VENDOR. Plays messages continually. Fits all 3½-lps recorders. Plays up to 12 min. as supplied; 24 min. with Moebius loop. Reel rotates clockwise. With tape. 1½ lb.

80 R 135.....NET 9.75

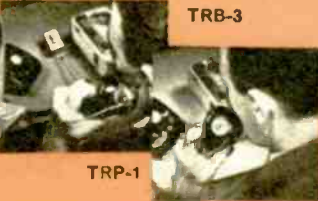
80 R 136. U-310CC. Counterclockwise.....NET 9.75



5K17



5TRB



TRB-3

TRP-1

ROBINS-M/M TAPE HEADS

For replacement, conversion to stereo. See RMM-4 book (left) for replacement data. Heads with L, B and Q in Type No. are completely interchangeable for stereo conversion. 9QE3 erase head is 4-track replacement for 5S1 and 5SS1. *No. is no. of tracks; S for stereo, M for monophonic; RP for record/play, E for erase. 6 oz.

Stock No.	Mfr's Type	*Function	List	NET
80 RC 219	2FM20-500	2SRPE	18.00	13.50
80 RC 220	3F20-101	2SRP	29.00	22.12
80 RC 222	3F20-105	2SRP	29.00	22.12
80 RC 223	3FM20-104	2MRP	15.00	11.44
81 RC 050	3FM20-108	2MRP	15.00	10.80
80 RC 224	3FM20-502	2MRPE	30.00	22.50
81 RC 042	3L20	2MRP	13.50	9.45
80 RC 226	5AV17	4SRP	32.00	24.00
80 RC 227	5B20LS	2SRP	27.00	20.25
80 RC 228	5Q17	4SRP	28.50	21.38
80 RC 229	5Q17-105	4SRP	28.50	21.38
80 RC 230	5Q17	4SRP	28.50	21.38
80 RC 231	5Q17-105	4SRP	28.50	21.38
80 RC 232	5S1	2ME	10.50	7.88
80 RC 233	5S1-103	2ME	10.50	7.88
80 RC 239	5SS1	2SE	14.00	10.68
80 RC 250	7B17	2SRP	25.50	19.31
80 RC 251	7H17	2MRP	13.50	10.12
81 RC 051	7L17	2MRP	13.50	10.12
80 RC 252	7L17-108	2MRP	13.50	10.12
80 RC 253	7EM12A	2ME	10.50	7.88
80 RC 254	9QE3	4SE	13.50	10.12
80 RC 255	10B20LS	2SRP	27.00	20.25
80 RC 256	10L17-104	2MRP	13.50	10.12
80 RC 257	40EM12	2ME	10.50	7.88

ROBINS-M/M 4-TRACK STEREO CONVERSION KIT

TYPE 5K17. Converts 90% of all U.S.-made 2-track stereo recorders to 4-track with only screwdriver and pliers. See RMM-4 book (at left) for a list of convertible recorders. Contains 5Q17 4-track record/play head, head alignment tape, hardware and instructions. Additional amplifiers required for use with monophonic recorders. Shpg. wt., 8 oz.

80 RC 259.....NET 22.50

80 RC 260. 5K17U. Same as 5K17 kit, except that head (5Q17-105) mounts from opposite side.....NET 22.50

TELEPHONE-TAPE ACCESSORIES

TRB-3 TELE-TAPE BEEPER-INDUCTOR. Makes it easy to comply with the law. Transistorized signal generator-timer with attached ferrite-core induction coil automatically injects 1-kc "beep" into phone lines and recorder at 15-sec intervals. Battery lasts for more than 3000 average phone calls. "Easy-on" spring fastening to phone. Has 6-ft. cable to phone and to recorder. With On-Off switch. Supplied less battery (listed below). Size, 5x2x1 ¼". Shpg. wt., 1 lb.

80 R 210.....NET 16.88

55 J 061. Battery For Above.....1.51

TRP-1 TELE-TAPE INDUCTOR. Pickup coil with high-efficiency ferrite core. High gain; high signal-to-noise ratio. "Easy-on" mechanical spring fastening. 6-ft. shielded cable from telephone ear piece to recorder. 6 oz.

80 R 211.....NET 3.98

ROBINS-M/M RMM-4 TAPE HEAD MANUAL AND REPLACEMENT GUIDE

Here's a complete cross-reference, replacement and conversion manual for tape heads. Listings arranged by name of head manufacturer, and by name of recorder manufacturer. Gives full installation instructions. Includes description of how heads are made. Size, 6x9". 16 pages. No charge with any order to Allied.

80 R 280. Postpaid in U.S.A.....24c

5TRB ROBINS-SHURE REPLACEMENT HEAD. 2-track record/playback/erase head replaces Shure 815, TR5, TR5B, TR5D, TR5H, for Wollensak, Revere, etc. Monophonic. Shpg. wt., 6 oz.

80 RC 258. List, \$16.50.....NET 12.38

Tape Heads and Recording Accessories

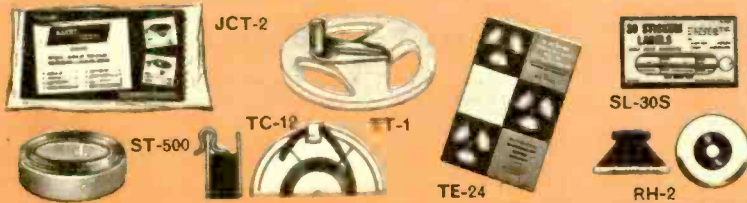
ROBINS TAPE SLICERS



TS-8D "STEREO 4" DELUXE SPLICER. Developed to meet the critical requirements of splicing 4-track tapes without affecting program material on the outside tracks. Works equally well for single-track and 2-track tapes. Cuts tape diagonally, and trims minute indentations on sides of splice to prevent adhesive contact with recorder parts. Replaceable cutter cartridge; blade-centering adjustment. "See-thru" windows show operating positions. Made of almost indestructible "Implex." Has integral tape dispenser. With roll of $\frac{1}{2}$ " splicing tape, plus complete instructions. Shpg. wt., 1 lb.
80 R 142......NET 7.77
80 R 190, RK-8. Replacement cutter cartridge and 2 cutting pads for TS-8D. Shpg. wt., 3 oz.NET 85c

TS-4S "STEREO 4" STANDARD SPLICER. Utility version of the TS-8D at left. Has all of its features except "see-thru" windows. Made of metal and plastic. Replaceable cutter cartridge; blade-centering adjustment. Integral tape dispenser. Complete with 100'-roll of $\frac{1}{2}$ " splicing tape and plastic dust cover. 12 oz.
80 R 192......NET 5.75
TS-4J "STEREO 4" JUNIOR SPLICER. Same as TS-4S above, except without tape dispenser and splicing tape. Uses $\frac{1}{2}$ " splicing tape. With plastic dust cover. Shpg. wt., 8 oz.
80 R 195......NET 4.39
80 R 200, RK-3. Replacement cutter cartridge, 2 cutting pads for TS-4S and TS-4J. Shpg. wt., 3 oz.NET 85c

RK-2 REPLACEMENT KIT. For older TS-4A series splicers. Replacement cutter cartridge, 2 cutting pads. 3 oz.
80 R 151......NET 85c
SP-4 "SEMI-PRO" SPLICER. Small, efficient, non-stereo tape splicer. Tape alignment guide with adhesive back; hand-held cutting unit. Blade cover protects blades. Makes diagonal cuts and "Gibson Girl" trim cuts. 3 oz.
80 R 150......NET 1.69
H-4 "HOBBYIST" SPLICER. (Not illus.) An excellent low-priced tape splicer. Consists of adhesive-backed plastic tape guide and unique curved razor-type blades. With instructions. 2 oz.
80 R 201......NET 85c



ROBINS TAPE RECORDING ACCESSORIES

JCT-2 "JOCKEY CLOTH." Cleans and lubricates tape, while running, with silicone. Washable, reusable. 3 oz.
80 R 152......NET 69c
SPLICING TAPE. Mylar. Characteristics carefully controlled. 100'; 1" core.

Stock No.	Type	Width	Oz.	NET
80 R 202	ST-234	$\frac{1}{4}$ "	1	27c
80 R 203	ST-375	$\frac{3}{4}$ "	1	30c
80 R 155	ST-500	$\frac{1}{2}$ "	1	33c
80 R 204	ST-750	$\frac{3}{4}$ "	2	40c

RH-2 REEL HOLDERS. Prevent wobbling, 3 oz. per pkg. Pkg. of 2.
80 R 122......NET 58c
HD-6 HEAD DEMAGNETIZER. (Not illus.) Remove residual magnetism from tape head for optimum signal-to-noise ratio. $4\frac{1}{2} \times 1\frac{1}{2}$ " dia. For 110 v., 60-cycle AC. U.L. Approved. 1 lb.
80 R 154......NET 6.75
HD-3 HEAD DEMAGNETIZER. Efficient, low-cost unit. $3\frac{1}{2} \times 1\frac{1}{2}$ " dia. For 110 v., 60-cycle AC. 8 oz.
80 R 127......NET 3.95

TC-12 TAPE CLIPS. Keep tapes from unwinding. Fit all reels. Plastic; reusable. 3 oz. per pkg. 12 per pkg.
80 R 153......PER PKG. 27c
HC-5 "TAPE CLEAN." 5" reel. 6 oz.
80 R 205......NET 1.73
TT-1 TAPE TRADER. For all 3"-7" reels. Shpg. wt., 2 oz.
80 R 166......NET 69c
TE-24 EDITING AND SPLICING BOOKLET. By Haynes. Illus. 6x9". 24 p.
80 R 131. Postpaid in U.S.A.24c
TE-48 TV TAPE RECORDING BOOKLET. By Goodall. Illus. 48 p.
80 R 126. Postpaid in U.S.A.69c
TE-128 HOW TO GET THE MOST OUT OF TAPE RECORDING. By Sheridan. Illustrated. 128 p.
80 R 123. Postpaid in U.S.A.69c
SL-30S REEL LABELS. (Not illus.) 30 adhesive labels. 2 oz.
80 R 124......NET 12c
RC-2-22 TAPE HEAD LUBRICANT. 2 fl. oz. Shpg. wt., 4 oz.
80 R 206......NET 69c

SHURE

EXACT-REPLACEMENT HEADS

All are Fig. A, except TR16-J and TR2K-J, Fig. B. All are high Imped., except 815 and TR5B-J, low Imped. TR21C-J, TR16-J are 0.093" upper-track record/playback; others, std. record/playback, erase. TR5B-J has Cinch plug, 14" leads. 3 oz.

Stock No.	Type	Replaces	NET
81 R 000	815	TR5, TR5D, TR5H	8.82
81 R 002	815H	TR5C, TR5K, TR5L	8.82
81 R 421	TR21C-J	TR16A, 817	8.23
81 R 003	TR5B-J	TR5B	9.99
81 RC 008	TR5Z-2-J	TR5Z-1	11.10
81 R 001	TR16-J		5.29

HD-3

ME-99

TK-5

VU-100

Buy on Allied's Credit Fund Plan

Scotch

magnetic tape



Recording Tapes, Accessories

"LIVING LETTERS"



111 STANDARD—1½-MIL ACETATE. High-quality general-purpose tape. Molded plastic reels, except *aluminum NAB reel (3" center hole). Av. wt., 8 oz.

Stock No.	Type	Footage	Reel	List	1-11, EA.	12-Up, EA.
80 R 543	111-3	300'	4"	\$1.35	.88	.79
80 R 547	111-6	600'	5"	2.25	1.47	1.32
80 R 548	111-12	1200'	7"	3.50	2.29	2.06
80 R 549	111-24R*	2400'	10½"	10.90	7.13	6.41

120-12 HIGH-OUTPUT—1½-MIL ACETATE. 7 db higher output. 1200'. Plastic 7" reel. Shpg. wt., 12 oz.

80 R 554. 12-Up, EACH..... 2.06 1-11, NET EACH..... 2.29

LOW-PRINT—1½-MIL ACETATE. *NAB reel. 12 oz.

Stock No.	Type	Footage	Reel	List	1-11, EA.	12-Up, EA.
80 R 534	131-12	1200'	7"	\$ 4.40	2.88	2.59
80 R 540	131-24R*	2400'	10½"	12.40	8.10	7.29

150 EXTRA-PLAY—1-MIL MYLAR. Extra-strong "Mylar" base tape. Plastic reels except *NAB aluminum 10½" reel (3" center hole). Av. wt., 12 oz.

Stock No.	Type	Footage	Reel	List	1-11, EA.	12-Up, EA.
80 R 531	150-9	900'	5"	\$3.60	2.35	2.12
80 R 532	150-18	1800'	7"	6.20	4.04	3.65
80 R 533	150-36R*	3600'	10½"	14.40	9.41	8.47

190 EXTRA PLAY—1-MIL ACETATE. Gives 50% more playing time. *NAB aluminum reel (3" center hole). 12 oz.

Stock No.	Type	Footage	Reel	List	1-11, EA.	12-Up, EA.
80 R 550	190-9	900'	5"	\$3.50	2.29	2.06
80 R 552	190-18	1800'	7"	5.50	3.60	3.23
80 R 553	190-36R*	3600'	10½"	12.85	8.40	7.56

TYPE 200 TENSILIZED TAPE. Super-strength, long-play tape. Polyester ¾-mil base. Av. shpg. wt., 12 oz.

Stock No.	Type	Footage	Reel	List	1-11, EA.	12-Up, EA.
80 R 500	200-12	1200'	5"	\$5.45	3.56	3.21
80 R 541	200-24	2400'	7"	9.50	6.20	5.58

TYPE 175 "TENZAR" TAPE 1½-MIL.

For applications requiring frequent repeats, fast starts and stops. Withstands roughest usage. Offers 16 times greater tear resistance than ordinary tapes. Non-drying—lasts indefinitely. Stretch resistant. 5" reels are 600', 7" reels are 1200'. Av. wt., 10 oz.

Size	Clear	Red	Blue	Green	Yellow	List	1-11 12-Up	NET EACH
5"	80 R 527	80 R 506	80 R 509	80 R 517	80 R 518	\$2.40	1.60 1.44	1.47
7"	80 R 528	80 R 520	80 R 522	80 R 523	80 R 525	3.75	2.50 2.25	2.25



RED SEAL TAPE. Used by recording studios for highest-quality recordings. Consistent oxide thickness provides minimum background noise, lowest distortion. Minimum response: 0-31,000 cps. *Tensilized. Av. wt., 10 oz.

Stock No.	Mfr's Type	Lgth.	Mil	Reel Size	Base	NET EACH		
						List	1-11	12-Up
80 R 726	15A-1.5	150	1½	3"	Acetate	\$0.70	.46	.41
80 R 763	15A-3	300	1½	4"	Acetate	1.35	.90	.81
80 R 753	10A-9	900	1½	5"	Acetate	3.50	2.34	2.10
80 R 711	15A-6	600	1½	5"	Acetate	2.25	1.47	1.32
80 R 713	10A-18	1800	1	7"	Acetate	5.50	3.67	3.30
80 R 710	15A-12	1200	1½	7"	Acetate	3.50	2.29	2.06
80 R 751	10M-2.25	225	1	3"	Mylar	1.00	.66	.59
80 R 737	5TM-3*	300	½	3"	Mylar	1.60	1.05	.94
80 R 765	5TM-6*	600	½	4"	Mylar	3.05	2.03	1.83
80 R 714	15M-6	600	1½	5"	Mylar	2.65	1.73	1.56
80 R 716	10M-9	900	1	5"	Mylar	3.60	2.35	2.12
80 R 725	5M-12	1200	½	5"	Mylar	4.55	2.97	2.69
80 R 739	5TM-12*	1200	½	5"	Mylar	4.75	3.11	2.78
80 R 715	15M-12	1200	1½	7"	Mylar	4.25	2.77	2.50
80 R 717	10N-18	1800	1	7"	Mylar	6.20	4.05	3.65
80 R 712	5M-24	2400	1	7"	Mylar	7.85	5.14	4.61
80 R 750	5TM-24*	2400	½	7"	Mylar	8.75	5.71	5.14

264-C1 SNAP-LOAD TAPE CARTRIDGE. For cartridge tape players. Contains 560-ft. of "Red Seal" tape. "Mylar" base for strength, 1 mil tape thickness. 9 oz.

80 R 707. List, \$4.50..... NET 2.70

"LIVING LETTERS" 3" TAPE. With mailable carton. 2 oz.

Stock No.	Mfr's Type	Base	Footage	List	NET EACH		
					1-11	12-Up	
80 R 542	111-1.5	Acetate	150'	\$0.70	.46	.41	
80 R 502	150-2.25	"Mylar"	225'	1.00	.66	.59	
80 R 530	200-3	Tensilized	300'	1.60	1.05	.94	

EMPTY PLASTIC REELS. With index box. 4 oz.

Stock No.	Reel Size	List	1-11, EACH	12-Up, EACH
80 R 559	3"	25c	17c	15c
80 R 563	4"	55c	37c	33c
80 R 558	5"	65c	44c	39c
80 R 556	7"	75c	50c	45c

ONE-REEL MAILING BOXES. 3 oz.

Stock No.	Reel Size	List	1-11, EACH	12-Up, EACH
80 R 562	5"	15c	10c	9c
80 R 561	7"	20c	13c	12c
80 R 560	10½"	30c	20c	18c

TYPE 24 LEADER & TIMING TAPE. Dispenser pkg. 3 oz.

Size	Tape Color					List	1-11	12-Up
	White	Red	Blue	Green	Yellow			
100'	80 R 569	80 R 565	80 R 566	80 R 567	80 R 568	\$0.90	.59	.53
1000'	80 R 576	80 R 571	80 R 573	80 R 574	80 R 575	4.50	2.94	2.65

80 R 596. 8000 Quick-Load Cartridge. Contains 560 feet. High-potency oxide for cartridge players. 9 oz..... NET 2.94

80 R 557. 41-½ S Splicing Tape. Non-run adhesive on one side. 150". ½" wide; handy dispenser. 3 oz..... NET 34c

80 R 577 51-½ S Aluminized Sensing Tape. For recorders with automatic "stop" and "reverse" controls. Adhesive on one side, foil on other. 150". Dispenser pkg. 3 oz..... EACH 1.85

TYPE 282 "SANDWICH" TAPE 1½-MIL MYLAR

Provides superb fidelity. Features protective, micro-thin plastic shield over oxide coating. Eliminates rub-off, wears up to 30 times longer, reduces tape recorder maintenance and head wear. Av. shpg. wt., 10 oz.

Size	Reel Color					List	1-11	12-Up
	Clear	Red	Blue	Green	Yellow			
5"	80 R 578	80 R 579	80 R 580	80 R 581	80 R 582	\$3.10	2.03	1.82
7"	80 R 583	80 R 586	80 R 587	80 R 589	80 R 590	4.95	3.23	2.91

VIBRANT SERIES TAPE. For full-frequency recordings. Rigid production control assures consistency in oxide thickness—reduces distortion and background noise. Response: 0-18,000 cps. *Tensilized. 10 oz.



Stock No.	Mfr's Type	Lgth., Ft.	Mil	Reel Size	Base	NET EACH		
						List	1-23	24-Up
80 R 754	701C1	600	1½	5"	Acetate	1.75	1.13	1.03
80 R 756	703C1	900	1	5"	Acetate	2.50	1.62	1.47
80 R 755	702C1	1200	1½	7"	Acetate	2.95	1.91	1.71
80 R 757	704C1	1800	1	7"	Acetate	4.25	2.74	2.50
80 R 758	707C1	900	1	5"	Mylar	2.85	1.86	1.68
80 R 761	709C1*	1200	1½	5"	Mylar	4.50	2.91	2.65
80 R 760	708C1	1800	1	7"	Mylar	4.95	3.23	2.91
80 R 762	710C1*	2400	1½	7"	Mylar	7.95	5.15	4.67

RCA TAPE REELS AND ACCESSORIES

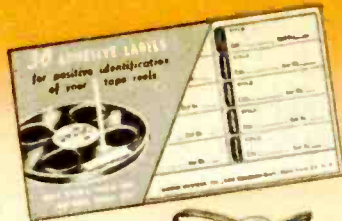
80 R 708. 5" Empty Reel. With box. 4 oz..... EA. 38c

80 R 709. 7" Empty Reel. With box. 4 oz..... EA. 44c

80 R 752. 501-C1 Tape Chest. Holds 5—5" reels. Simulated leather covering. 5¼x4¼x5¼". 8 oz..... NET 75c

80 R 595. 517-C1 Tape Shelf. Holds 12—7" reels. Simulated leather covering. 13x10x15". 8 oz..... NET 59c

80 R 592. 516-C1 Head Demagnetizer. For 110-120 v., 50-60 cycle AC. 5 oz. List, \$4.85..... NET 2.90



audiotape

I.D. Labels



Demagnetizer



Tapes in Boxes

STANDARD—1½-MIL ACETATE. Plastic reels except *NAB aluminum (3" center opening). 8 oz.

Stock No.	Type	Footage	Reel	List	EACH	Lot Price
80 R 648	151	150'	3"	\$0.70	.46	.41†
80 R 647	351	300'	4"	1.35	.88	.79†
80 R 637	651	600'	5"	2.25	1.47	1.32†
80 R 627	1251	1200'	7"	3.50	2.29	2.06†
80 R 628	2551R*	2500'	10½"	10.90	7.12	6.41‡

†NET EACH, 10 or more. ‡NET EACH, 5 or more.

"LONGER-RECORDING"—1-MIL ACETATE. 50% more playing time. Plastic reels except *NAB alum. (3" ctr. hole). 8 oz.

Stock No.	Type	Footage	Reel	List	EACH	Lot Price
80 R 611	941	900'	5"	\$3.50	2.29	2.06†
80 R 612	1841	1800'	7"	5.50	3.60	3.23†
80 R 617	3641R*	3600'	10½"	12.85	8.40	7.56‡

†NET EACH, 10 or more. ‡NET EACH, 5 or more.

"LONGER-RECORDING"—1-MIL "MYLAR." 50% more recording time. On plastic reels except *NAB aluminum reel (3" center hole). Self-mailer carton. 12 oz.

Stock No.	Type	Footage	Reel	List	EACH	Lot Price
80 R 700	261‡	225'	3"	\$1.00	.66	.59†
80 R 701	961	900'	5"	3.60	2.35	2.12†
80 R 702	1861	1800'	7"	6.20	4.05	3.65†
80 R 703	3661R*	3600'	10½"	14.40	9.41	8.47‡

†NET EACH, 10 or more. ‡NET EACH, 5 or more.

COLORLED BASE—1½-MIL ACETATE. Same high quality as acetate base (above). Plastic reels. Av. wt., 8 oz.

No.	Green	Stock No.	Blue	Footage	Reel	EACH	10-Up, EA.
80 R 650	651G	96 R 738	651B	600'	5"	1.47	1.32
80 R 652	1251G	96 R 739	1251B	1200'	7"	2.29	2.06

LOW-PRINT. *1½-mil acetate. †1½-mil "Mylar." 12 oz.

Stock No.	Type	Footage	Reel	1-4, EA.	5-9, EA.	10-UP, EA.
80 R 608	1251-M*	1200'	7"	2.80	2.80	2.53
80 R 607	2551R-M*	2500'	10½"	8.16	7.35	7.35
80 R 609	1271M†	1200'	7"	3.33	3.33	3.00
80 R 610	2571R-M†	2500'	10½"	8.82	8.82	7.94

TAPE RECORDER REELS. 10½". With box. *3" center. Wt. 8 oz.

Stock No.	Type	Description	List	1-4, EA.	5-Up, EA.
80 R 630	10RB	NAB aluminum*			
80 R 704	10FS	Fiberglass, EIA adapterless ¼" center	\$4.00	2.62	2.35

80 R 618. "Mylar" Self-Timing Leader. Has spaced markings for timing. White. 100 ft. 5 oz. List, 55c. **NET 37c**

COLORLED EMPTY PLASTIC REELS. In popular colors. Supplied in boxes. Av. wt., 4 oz.

Reel Size	Clear	Red	Yellow	Green	Blue	List	1-9	10-Up
5"	80 R 695	80 R 655	80 R 663	80 R 669	80 R 671	60c	39c	35c
7"	80 R 685	80 R 657	80 R 667	80 R 670	80 R 674	75c	49c	44c

ONE-REEL BOXES. *Self-mailer. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Reel Size	List	1-9, EACH	10-Up, EACH
80 R 602	3MB*	3"	15c	10c	9c
80 R 603	5B	5"	20c	13c	12c
80 R 605	7B	7"	20c	13c	12c

TEMPERED "MYLAR." Has twice the strength of conventional ½-mil tape. Plastic reel. Av. shpg. wt., 8 oz.

Stock No.	Type	Reel	Length	List	1-9, EA.	10-Up, EA.
80 R 619	1231T	5"	1200'	\$5.45	3.56	3.20
80 R 622	2431T	7"	2400'	9.50	6.20	5.59

80 R 124. SL-30S Identification Labels. Self-adhesive, ½x2" labels. 30 per pkg. 4 oz. **NET PER PKG. 12c**

80 R 606. Head Alignment Tape. 300-ft. 4" reel. 1½-mil "Mylar." Shpg. wt., 4 oz. List, \$10.00. **NET 5.88**

TYPE 400 HEAD DEMAGNETIZER. Demagnetizes tape recorder heads. Reduces noise and distortion. Consists of an AC magnet with pole pieces shaped to fit contour of recording head. Easy to use. Case dia., 1¼". For 110-120 v., 60 cycle AC. 1 lb. **80 R 648.** **NET 5.88**



Reeves Soundcraft Recording Tapes

COMBINATION OFFER



COMBINATION OFFERS—TAPE IN CHESTS. Get the recording tape of your choice, plus a convenient case to store it in. Attractive durable chest holds five reels. 8x7¼x7½".

Stock No.	Type	Tape	Reels	Lbs.	List	EACH
80 R 804	SC-7	"Standard"	5—1200'	8	\$17.50	11.45
80 R 806	LC-7	"Lifetime"	5—1200'	8	21.25	13.87
80 R 805	PLC-7	"Plus-50"	5—1800'	9	29.00	18.96
80 R 807	7STC	Tape Chest Only		4	1.50	.98

SOUNDSCRAFT "MAGNA-SEE." See the sound track on your recorded tapes with this unique kit. Tape is run through a colloidal iron suspension, which deposits fine iron particles on the magnetic track. Deposit pattern indicates head alignment, and wear. Kit includes ½-pt. can of iron suspension, jewelers' "loop," plastic tray, a roll of transparent tape with 4 slides, instructions. Shpg. wt., 1½ lbs. **NET 7.95**

IRON SUSPENSION. ½-pt. can. For above. ¾ lb. **80 R 187.** **NET 3.00**

"LIFETIME"—1½-MIL "MYLAR." Micropolished. On plastic reels. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Footage	Reel Size	1-9, EA.	10-Up, EA.
80 R 815	L-6	600'	5"	1.73	1.56
80 R 820	L-12	1200'	7"	2.77	2.50

STANDARD—1½-MIL ACETATE. Micropolished. On plastic reels. Av. shpg. wt., 8 oz.

Stock No.	Type	Footage	Reel Size	List	EACH
80 R 800	S-1	150'	3"	.41	.38
80 R 801	S-3	300'	4"	.81	.73
80 R 802	S-6	600'	5"	1.37	1.23
80 R 803	S-12	1200'	7"	2.29	2.06

"PLUS-50"—1-MIL "MYLAR." 50% more footage. 8 oz.

Stock No.	Type	Footage	Reel Size	List	EACH
80 R 823	PL-2	225'	3"	.62	.56
80 R 821	PL-9	900'	5"	2.22	2.00
80 R 822	PL-18	1800'	7"	3.79	3.41

XP-24 "PLUS 100"—½-MIL "MYLAR." Extra-play, micropolished. Requires careful handling. 2400', 7" plastic reel. 14 oz. **80 R 824, 10-Up, EACH 3.82** **NET EACH 4.25**



ACCURATE TESTING
QUICKLY, EASILY WITH

Superior Quality Professional

**MAKE FAST, RELIABLE TESTS . . . SAVE CALL BACKS . . .
SELL MORE TUBES . . . ASSURE CUSTOMER SATISFACTION . . .**



**MODEL 700
MAKES ALL
THESE TESTS**

New and Older
Tubes Including:
Nuvtors, New 10-
Pin Tubes, 12-Pin
Compactrons,
European Tubes:
Hi-fi, Voltage
Regulators, and
Industrial Types



Pick up the Model
600 Tube Tester—
it's perfect for out-
side calls. Com-
pact and light-
weight—truly
portable. Offers
fine quality per-
formance at low
cost.

MODEL 600 "DYNA-QUIK" TUBE TESTER

A low-cost, high-quality emission type tube tester. Checks all TV and Radio tubes, plus nuvtors, 10-pin tubes, 12-pin compactrons, voltage regulators, thyratrons, auto radio hybrid tubes, European hi-fi types, and most industrial tubes. Determines tube capabilities under simulated load conditions. Rejects only tubes that are definitely bad. Checks each section of multi-section tubes separately. Features adjustable grid emission test, sensitive to over 100 megohms. Tests for shorts, leakage and gas. Has phosphor-bronze socket contacts. In leatherette. 8 1/2 x 11 x 4 1/2". For 105-125 v., 50-60 cycle AC. 5 1/4 lbs.

87 FX 386. \$5 Monthly. **NET 68.55**

MODEL 700 "DYNA-QUIK" TUBE TESTER

A professional dynamic mutual conductance tube tester for today and tomorrow. Obsolescence-proof circuit features multiple-socket section—just plug tube in proper socket and it is ready to check—plus simplified switching section for checking new tube types. In addition to testing radio and TV types, unit checks voltage regulators, thyratrons, and radio hybrid types, European hi-fi tubes, and industrial types. Includes sockets for nuvtors, 10-pin tubes and 12-pin Compactrons. Has provision for new sockets. Checks each section of multi-section tubes separately. Tests for all shorts, grid emission, leakage and gas. Grid emission test is adjustable, with sensitivity to over 100 megohms. Makes quick "life" test. Large 4 1/2" plastic meter has easy-to-read "Good-Bad" scale. With complete reference chart in cover. In leatherette-covered case. 16 1/2 x 15 1/4 x 5 1/8". For 105-125 v., 50-60 cycle AC. Wt., 16 lbs.

87 FX 385. \$9 Monthly. **NET 166.55**



NEW! 3-in-1,
uniquely designed,
compact tester. In
one instrument
you get these 3
quality testers:
1. Tube Tester
2. VOM
3. Rejuvenator

NEW MODEL 625 DYNA-TESTER

An extremely versatile instrument combining a tube tester, VOM and CRT in one compact unit. Tube tester section's coverage is the same as the Model 600 (at left). Checks for shorts, grid emission leakage and gas. Adjustable grid emission check to over 100 megohms. VOM section offers 7 ranges: 3 DC ranges—0-10, 100, 1000 v.; 3 AC ranges—0-10, 100, 1000 v.; 1 ohm range—3K center scale. CRT section tests and rejuvenates black-and-whites (in set) with heaters up to 50 v. Checks for leakage, shorts and emission. Removes shorts and leakage. Case, 11 1/2 x 15 x 4 1/2". For 110-120 v., 50-60 cycle AC. 12 1/2 lbs.

65 FX 009. \$7 Monthly. **NET 137.15**

DELUXE CATHODE REJUVENATOR TESTER

MODEL 440. Quickly checks and rejuvenates color and black-and-white CRT's while still in set. Checks and corrects each gun of color tube separately. Detects opens, shorts, emission, cut-off voltage. Repairs shorts, opens; restores weak emission. Tests all CRT's with 1-12 v. filaments including 2.34, 2.68 and 8.4-v. tubes and 110° types. Portable leatherette-covered case. 4 3/4 x 8 x 14". For 105-125 v., 60 cycle AC. Wt., 10 lbs.

87 FX 218. \$5 Monthly. **NET 73.45**

DYNA-SWEEP CIRCUIT ANALYZER

MODEL 1070. Expertly designed for trouble-shooting horizontal, vertical and sync problems in TV sets. Injects horizontal and vertical sync pulses, grid and plate drive signals directly into output transformers. Helps isolate trouble to defective part. Checks flyback transformer and yokes for shorted turns, leakage, opens continuity, etc. Also provides B+ boost indicator, high voltage indicator, and vertical yoke test signal, 9 1/2 x 7 x 5". For 110-120 volts, 50-60 cycle AC. 8 1/2 lbs.

87 FX 217. \$5 Monthly. **NET 73.45**

BUDGET-PRICED CRT REJUVENATOR

MODEL 420. Checks and rejuvenates black-and-white CRT's in set. Checks for leakage, shorts and emission. Removes shorts and leakage. Tests CRT's at 2, 6 and 8 v., including 110° types. Compact, two-tone plastic and metal case, 8 1/2 x 6 1/2 x 3 1/4". For 110-120 volts, 50-60 cycle AC. Shpg. wt., 5 1/2 lbs.

65 F 010. \$5 Monthly. **NET 53.85**



CRT 440 SAVES TIME

Quickly tests and repairs color and black and white TV picture tubes in the home. Customers see for themselves if tube needs replacing. You get new tube sale and future service calls. Light-weight—easily carried anywhere.



CRT 420



1070

Test Equipment

**SOLVES DIFFICULT PROBLEMS and
DOES AWAY WITH TRIAL AND ERROR**



**EASILY CHECK ALL CIRCUITS . . . PINPOINT ANY TV TROUBLE
WITHIN MINUTES . . . CUT SERVICING TIME IN HALF . . .**

MODEL 1076 COMBINATION TELEVISION ANALYST

A versatile all-in-one Instrument combining a miniature TV transmitter with the famous "Dyna-Sweep" circuit analyzer, to give a complete television analyst. Saves endless hours of labor and assures proper correction. Injects RF, IF, video or audio signal directly into any stage of black-and-white or color TV sets to isolate and pinpoint trouble. "Dyna-Sweep" section injects horizontal and vertical sync pulses, plus grid and plate drive signals for checking sync and sweep stages. Also offers: switch-type tuner for instant and accurate channel selection from 2-13; negative bias supply for sync overload and AGC troubles; AGC keying pulse for troubleshooting gated AGC systems; high-level test signal for modulating TV picture tubes directly.

In addition to generating black and white patterns, the 1076 Analyst generates white dot, crosshatch and color bar patterns for color convergence adjustments. Generates full color rainbow display and color bar pattern to test color sync circuits, check range of hue control and align color demodulators. Size, 10 1/2 x 17 x 10". For 110-120 volts, 60 cycle AC. Shpg. wt., 29 lbs.
87 FU 222. \$15 Monthly. NET 293.95



MODEL 1076
A complete TV Analyst—increases manpower by decreasing labor time.

**In One Unit:
Signal Generator,
Power Supply,
Milliammeter,
VTVM, Battery
Tester, Ohm-
meter, plus In-
and-Out-of-Cir-
cuit Transistor
Tester**



NEW

**A Color Analyst
Designed to:
Simplify Jobs
Cut Labor Time
Pinpoint Trouble
Correct Trouble
Save Call Backs**



MODEL 960 TRANSISTOR RADIO ANALYST

A complete transistor radio analyst, combining all the instruments needed for a quick, thorough check. Injects RF, IF signals and audio tones directly into all circuits stage-by-stage to isolate and pinpoint exact trouble within minutes. Unique "Dyna-Trace" single-point probe needs only one contact to transistor, speeding in-circuit testing. Meter has "Good-Bad" scale for leakage and beta. Also determines whether transistor is NPN or PNP. Power supply provides from 1 to 12 volts in 1 1/2 volt steps, and has meter with 2 current ranges—150 ma and 15 ma. Signal generator tunes from 250 kc to 2 mc in two bands. VTVM has two ranges—1.5 and 15 volts. Ohmmeter reads up to 1 megohm and tests front-to-back ratio of diodes. In handsome, sturdy metal case, 12 1/2 x 7 3/4 x 4 1/4". Complete with valuable Japanese-to-American transistor cross-reference chart. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 8 lbs.

87 FX 358. \$5 Monthly. NET 97.95

DELUXE MODEL 360 "V-O-MATIC" VOM

An outstanding VOM featuring an individual, full-size scale for each range. Range switch automatically sets correct direct-reading scale. Sensitivity: 20,000 ohms/volt DC; 5000 ohms/volt AC. Ranges: AC and DC volts, 0-3-15-60-300-1000-6000; DC μ a, 0-100; DC ma, 0-5-100-500; DC amps, 0-10; resistance, 0-1000-10,000 ohms, 0-1-100 megs. Accuracy: 3% DC, 5% AC. Meter protected against overload and burn-out. Size, 6 1/2 x 8 3/4 x 4 1/4". With batteries, leads, extra scales for audio power, db, peak-to-peak volts, and capacity. Shpg. wt., 4 1/2 lbs.

87 F 212. \$5 Monthly. NET 58.75

MODEL 375 AUTOMATIC VTVM

A deluxe VTVM featuring direct, error-free readings without multiplying. Range switch automatically selects correct, full-size scale. Ranges: DC-AC rms and AC p-p v., 0-1.5-5-15-50-150-500-1500; DC ma. 0-5-50-500; resistance, 0-500-5000-50,000-500,000 ohms, 0-5-1000 megs. Input, 11 megs on all DC ranges, Accuracy, $\pm 3\%$ of full scale AC and DC. Features: 100 μ a meter movements, 1% multiplier resistors, anti-parallax mirrored scale. With battery, probe and swivel stand. Size, 6 1/2 x 10 3/4 x 4". For 110-120 v., 50-60 cycle AC. 9 lbs.

87 FX 586. \$5 Monthly. NET 88.15

MODEL 850 COLOR TV ANALYST

An advance-design Analyst making color TV installation and servicing simple and accurate. Provides crystal controlled sync system. Gives excellent line and dot stability for static and dynamic convergence and for linearity adjustments. Generates white dot, crosshatch, vertical lines, horizontal lines, burst pulse and individual colors. Tuned, switch-selected RF signals are available for channels 3, 4 and 5. Exclusive gun killer, with front panel switch control, makes it easy to disable any combination of 3 color guns. Sweep jack provides a 15,750 cycle sawtooth signal for simple demodulator alignment. Has video output jack and level control for positive and negative polarity; power off-standby-on switch. Deconverging assembly eliminates need for continued static convergence adjustments during set-up. Size, 9 x 12 1/2 x 8 1/2". For 110-120 volts, 60 cycle AC. Wt., 14 1/2 lbs.

65 FX 012. \$6 Monthly. NET 195.95

**Full-size scale for
each range
reduces errors. Au-
tomatic scale set-
ting—Direct-read-
ing scales**



**Dynamic
VTVM**

**Features: Direct,
Error-Free Read-
ings; No Multi-
plying; Wide-View
Scales**



HICKOK

Test Equipment Famous for Superior



NEW MODEL 6000A TUBE TESTER

Checks transistors (both 5 and 7-pin), diodes, Compactrons, Novars, 5 and 7-pin Nuvistors and 10-pin miniatures, as well as octals, loctals and 7 and 9-pin miniatures. Has Hickok-developed G_m circuit. Provides a sensitive inter-element leakage and shorts test, as well as a grid current test. Constant indication of line voltage. Immediate filament continuity test. Replaceable socket plate for obsolescence protection. Roll chart. Portable. $7\frac{1}{2} \times 16\frac{1}{2} \times 11\frac{1}{4}$ ". For 105-125 v., 50-70 cycles AC. Shpg. wt., 121 lbs.

65 FU 006. NET 239.50



MODEL 800 TUBE TESTER

Hickok-developed G_m circuit. Inter-element leakage, filament continuity and grid-current tests. Checks 4, 5, 6, 7-pin, octal, loctal, 7 and 9-pin miniature tubes. Tests transistors and diodes. Roll chart. Portable. $7\frac{1}{2} \times 16\frac{1}{2} \times 11\frac{1}{4}$ ". For 105-125 v., 50-70 cycles AC. 21 lbs.

87 FU 187. NET 179.50

65 F 114. CA-4. Adapter for testing Compactrons, Novars, 5 and 7-pin Nuvistors and 10-pin types. Use with any tester having an octal socket. 4 lbs. NET 49.50

84 F 184. CRT Adapter. For all current Hickok manual testers. 1 lb. NET 15.75

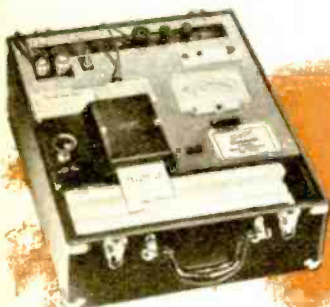


NEW MODEL 539C TUBE TESTER

Industrial and laboratory portable. Hickok-developed G_m test circuit. 6 micromhos ranges to 60,000 μ mhos; 4 AC signal voltages. Measures inter-element leakage to 50 megohms. Checks 4, 5, 6, 7-pin, octal, loctal, 7 and 9-pin miniature, 7-pin in line and 8-pin round sub-miniature, and acorn tubes, as well as all Compactrons, Nuvistors, and 10-pin types. Tests VR tubes, low-power thyratrons, "4-digit" types. Provision for plate and heater current measurements. $7\frac{1}{2} \times 16\frac{1}{2} \times 18\frac{3}{4}$ ". For 105-125 v., 50-400 cycles AC. 39 lbs.

65 FU 005. NET 485.00

Tests VR tubes to manufacturers' specifications.



123A "CARDMATIC" TUBE TESTER

Card-programs complete "fringe" tests, G_m , saturation and cut-off tests. Portable. With cards. $9\frac{1}{2} \times 16\frac{1}{2} \times 19\frac{1}{2}$ ". For 105-125 v., 50-60 cycles AC. 57 lbs.

65 FZ 115. NET 585.00

87 FU 186. 121 "Cardmatic" Tube Tester. $8\frac{1}{2} \times 19\frac{1}{2} \times 13\frac{1}{4}$ ". For 105-125 v., 60 cycles AC. 39 lbs. NET 359.50



MODEL 890 TRANSISTOR TESTER

Measures AC Beta to $\pm 5\%$ In or out of circuit. Measures input res., base-em. circuit impedance and I_e in circuit; input res., I_e and I_{e0} out of circuit. Less batteries, below. $6\frac{1}{2} \times 10\frac{1}{2} \times 9$ ". 8 lbs.

87 FZ 173. NET 137.50

55 J 105. K-15. Use 1, 2 oz. 1.23

55 J 017. Type 1. Use 4, 2 oz. 13c



NEW MODEL 752A TUBE TESTER

Tests 5 and 7-pin Nuvistors, Novars, Compactrons, 10-pin types, as well as 4, 5, 6, 7-pin, octal, loctal, 7 and 9-pin miniature, 7-pin in-line and 8-pin round sub-miniature, VR tubes and acorn tubes. $7\frac{1}{2} \times 18\frac{1}{2} \times 16\frac{1}{2}$ ". For 105-125 v., 50-60 cycles AC. Shpg. wt., 27 lbs.

65 FU 116. NET 345.00

MODEL 455A BURNOUT-PROOF VOM

Special overload protection—can't burn out. 20,000 ohms/v., AC and DC. 27 ranges. $3\frac{1}{2} \times 5\frac{1}{2} \times 8\frac{1}{2}$ ". Less battery, use one each Burgess U-20 and #2 flashlight. Shpg. wt., 6 lbs.

84 F 609. NET 89.50

NEW MODEL 470A 7 ELECTRONIC UNI-SCALE VOM

Lightweight, portable. Single unit probe for AC, DC, Ohms. $6\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{1}{2}$ ". For 105-125 v., 50-60 cycles AC. 6 lbs.

65 F 118. NET 79.50

209B VACUUM-TUBE VOM AND CAPACITANCE METER

Versatile new instrument, featuring 100-mv sensitivity and 1% stability. Ranges: +DC, -DC and AC volts—0-0.1-0.3-1-3-10-30-100-300-1000 (AC, 10 cps-100 kc); ohms—X1, X10, X100, X1000, X10,000, X1 Meg (design center 10); capacitance—X10 mfd, X1 mfd, X0.1 mfd, X0.01 mfd, X0.001 mfd, X100 mmfd, X10 mmfd. Has DC zero center set. Measures RF volts 0.1-3-10-30 with RF probe (not supplied; see probe listings elsewhere in catalog). 0.1 VDC reference for ohmmeter measurements. $13\frac{1}{2} \times 16\frac{1}{2} \times 7$ ". For 117 v., 60-cycle AC. Shpg. wt., 26 lbs.

65 FU 119. NET 249.00



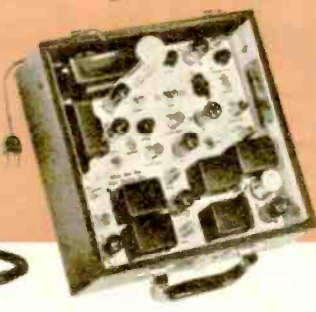
Quality and Dependability



NEW MODEL 288XA AM-FM SWEEP AND MARKER GENERATOR

Crystal-controlled, high-output AM-FM sweep and marker generator—a complete alignment instrument. 8 bands from 35 kc to 160 mc FM, 110 kc to 110 mc AM. Has built-in db meter. Provides for internal or external amplitude or frequency modulation of RF output. AF output, 20-15,000 cps variable or 400 cps fixed. Choice of 100 kc or 1000 kc crystal output. With crystals, cable assembly, 13x16x7". For 110 v., 50-70 cycles AC. 33 lbs.

65 FU 120.....NET 315.00



MODEL 660 COLOR-BAR/DOT/CROSSHATCH GENERATOR

Lightweight, portable unit for color-TV servicing. All frequencies generated are crystal-controlled and locked together for maximum stability. Color display pattern sequence: orange, red, magenta, blue, cyan, green. White dot and crosshatch size: as small as 2 lines in both horiz. and vert. planes; approximately 300 dots total. 20 vert. and 15 horiz. crosshatch white lines, less those in blanking. Circuit completely compatible with new-design receivers. With crystals, 5 1/2 x 10 1/2 x 10 1/2". For 105-125 v., 50-60 cycles AC. 21 lbs.

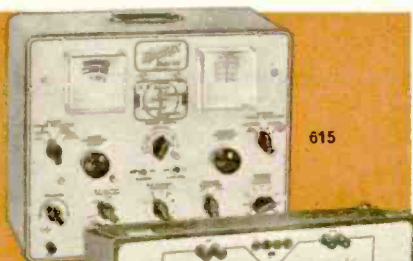
65 FU 121.....NET 245.00



MODEL 656XC COLOR-BAR/DOT/CROSSHATCH GENERATOR

Produces the standard fully-saturated NTSC color bar pattern. Design based on NTSC standards—assures obsolescence protection. Color generation: 3 primaries, 3 complementaries, plus black and white; I, Q, R-Y, B-Y, G-Y, G-Y. Color phase is accurately set with precision delay lines and referenced to crystal oscillator. Also produces a choice of: crosshatch, vertical lines only, horizontal lines only and small-size white dots, locked to assure stability. Sound carrier provided for setting TV local oscillator. 7 1/2 x 16 1/2 x 18 1/2". For 105-125 v., 60-cycle AC. 48 lbs.

87 FU 176.....NET 549.50



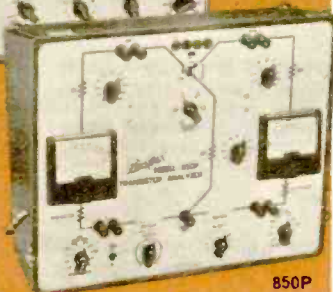
615

MODEL 615 SWEEP AND MARKER ALIGNMENT GENERATOR

Permits complete TV RF and IF alignment; provides harmonic output on UHF. Has an all-electronic sweep—no moving parts. Unwanted amplitude modulation is less than 0.1 db/mc. Marker frequency is 0.5% or better at any dial setting. 13 1/2 x 16 1/2 x 8". For 110-120 v., 60 cycle AC. 39 lbs.

65 FU 122.....NET 359.50

65 F 123. Type 75 Termination Pad. Match from 75-90 ohms unbalanced to 300 ohms balanced. Shpg. wt., 2 lbs.NET 12.95



850P

850P TRANSISTOR ANALYZER

Ideal for use as a "breadboard" in circuit design. Tests transistors under actual operating conditions in any of 6 circuit configurations: common emitter, collector, or base, NPN or PNP. Checks alpha, beta, input and output res., I_{EO} , I_{EBO} , I_{CBO} and power gain. Panel controls set circuit conditions. 13 1/2 x 16 1/2 x 8". With leads, less batteries (below). 20 lbs.

65 FU 124.....NET 169.50

55 J 017. Type 1 Battery. Use 10. 2 oz. 13c



CR33

MODEL 675A OSCILLOSCOPE

Wide-band, high-sensitivity 5" oscilloscope. Smooth response from DC to 4.5 mc (within 3 db). Assures undistorted reproduction of 3.58-mc color TV signals. 20 rms mv/inch vertical sensitivity. With low-capacity probe. 13x10x16". For 105-125 v., 50-400 cycles. 45 lbs.

84 FU 634.....NET 299.90

65 F 126. 35 Demod. Probe. 8 oz.7.75

NEW CR33 COLOR CRT TESTER

Checks beam current capabilities of all 3 guns of color picture tube. Makes color purity tests of each gun individually. Adapter socket fits all color kinescopes. 6 1/2 x 3 3/4 x 2 1/4". For 105-125 v., 50-70 cycles AC. Shpg. wt., 3 lbs.

65 F 127.....NET 39.95



MODEL 870 TRANSISTOR TESTER

Measures both AC and DC beta, to accuracies well within 5%. Checks collector sat. voltage. Provides low-voltage, high-current tests. Controls laid out for fast testing. Roll chart, 7 1/4 x 14 1/4 x 11 1/4". For 115 v., 60 cycles AC. 22 lbs.

87 FU 196.....NET 355.00



810 TRANSISTOR-RADIO TESTER

Combination AM signal generator and signal tracer—RF, IF and audio, and transistor tester. High gain. 9x11 1/2 x 7". For 105-125 v., 50-70 cycles AC. 16 lbs.

87 FU 188.....NET 138.50



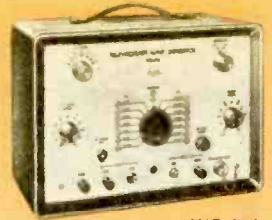
WR-69A



WR-50AK



WA-44C



WR-64A



WR-99A



WR-70A

Accurate Test Equipment . .

WR-64A COLOR-BAR/DOT CROSSHATCH GENERATOR

Portable and easy to use, connects to antenna terminals of any color TV receiver. Produces 10 bars of different colors simultaneously. Provides stable fine-line cross-hatch and dot patterns. Fixed number of bars and dots facilitate over-scan and linearity adjustment in both color and black-and-white sets.

Sound carrier permits accurate adjustment of receiver. Chroma control helps check color sync lock and color AFC alignment. Color sub-carrier, horizontal sync-pulse and "bar" frequencies are all crystal controlled. With shielded output cable. 10x13 1/4 x 7 1/2". For 105-125 v., 50-60 cycle AC. Wt., 13 lbs.

87 FU 324. \$10 Monthly. . . . NET 189.50

WR-50AK PORTABLE RF SIGNAL GENERATOR KIT

Ideal for alignment and signal-tracing applications in the repair of AM and FM radios and TV receivers. Provides continuously tunable output from 85 kc to 50 mc, all on fundamentals. Dial calibration is accurate within 1%. Incorporates built-in 400-cycle audio oscillator for internal or external modulation.

Cathode-follower output isolates oscillator—maintains waveform, voltage regulation and stability. Attenuator control of RF output level has range of approximately 2000 to 1. Provides at least 0.05 and 0.01 v. rms at high and low connectors, respectively. Shielded outputs. 7 1/2 x 10 1/2 x 6". For 105-125 v., 50-60 cycle AC. 10 lbs.

65 F 011. \$5 Monthly. . . . NET 37.95

WA-44C SINE/SQUARE WAVE AUDIO GENERATOR

Provides 20-200,000 cps output in 4 ranges. Switch selects sine or square-wave output. Square waves have less than 5% tilt, better than 0.15 μ sec. rise time. Output: 8 v. rms minimum with rated load; ± 1.5 db, 30-100,000 cps. Distortion: less than 1/2%. Has separate 60 cps output, 10-to-1 step attenuator, variable output control. 7x10 1/4 x 6 1/2". For 105-125 v., 50-60 cycle AC. Shpg. wt., 12 lbs.

87 FX 071. \$5 Monthly. . . . NET 98.50

WR-99A CALIBRATED MARKER-GENERATOR

Crystal calibrated, for aligning FM and TV receivers, etc. Covers 19-260 mc. Ideal for color TV servicing. Crystal calibrator provides 240 check points at 1 or 10 mc intervals. Modulation frequencies: 1, 10, 4.5 mc, 600 cps. Sound and picture carrier markers available simultaneously. Output: 0.1 v. min. rms. Double shielded oscillator. 10x13 1/4 x 7 1/2". For 105-120 v., 50-60 cycle AC. Shpg. wt., 18 lbs.

87 FU 069. \$13 Monthly. . . . NET 242.50

WR-69 TV-FM ALIGNMENT SWEEP GENERATOR

Switch selects VHF TV channels, FM, TV video, chrominance frequencies and IF. VHF output on fundamentals. Sweep width variable 50 kc-20 mc on IF/video and FM, 50 kc-12 mc on TV. IF/video output frequency tunable from 50 kc to 5 mc—flat within 0.1 db per sweep mc. Blanking circuit. 10x13 1/4 x 7 1/2". For 105-125 v., 50-60 cycle AC. 17 lbs.

87 FX 070. \$15 Monthly. . . . NET 295.00

WR-70A RF-IF-VF MARKER-ADDER

For RF, IF, and video sweep-alignment of TV sets. Four markers: positive peak, negative peak, positive and negative peaks (wide band), and positive and negative peaks (narrow band). Use with marker and sweep generators. 0-60 db attenuation of IF sweep signal. With 4 cables. Size, 7 1/2 x 10 1/2 x 6 1/2". For 105-125 v., 50-60 cycle AC. Wt., 12 lbs.

87 FU 055. \$5 Monthly. . . . NET 74.50

COLOR AND BLACK AND WHITE TV SERVICING ACCESSORIES

WG-295C VIDEO MULTIMARKER. Provides 7 simultaneous absorption-type markers at preset frequencies. 1 lb.

87 F 054. . . . NET 32.50

WG-304B RF MODULATOR. Permits marker generator modulation by sweep generator. video. Wt., 1 lb.

87 F 098. . . . NET 12.50

WG-307BK TV BIAS SUPPLY. 3 outputs, 0 to -15 v., fixed -100 v, 1 1/4 lbs.

65 F 093. . . . NET 11.95

WD-25A TV ISOTAP. Adjustable isolation transformer. 15 lbs.

62 G 516. . . . NET 22.00

205-W1 DEGAUSSING COIL. Demagnetizes kinescope and chassis. 4 1/2 lbs.

65 F 094. . . . NET 10.53

220-X1 KINESCOPE SOCKET EXTENSION CABLE. Fits any kine tube. 1/2 lb.

87 F 541. . . . NET 7.40

221X1 CONVERGENCE MAGNET EXTENSION CABLE. Shpg. wt., 1/2 lb.

87 F 542. . . . NET 3.50

226-X1 GRID SHUNT SWITCH AND CABLE. For convergence and matrix adjustments. 1/2 lb.

87 F 546. . . . NET 5.50

228-X1 DEFLECTION YOKE EXTENSION CABLE. Shpg. wt., 2 oz.

87 F 544. . . . NET 5.25

13A100 HIGH VOLTAGE EXTENSION CABLE. Extends high voltage lead to RCA Color Test Jig. 3 oz.

87 F 046. . . . NET 2.50

ABOUT RCA COLOR TV SERVICING EQUIPMENT

TV servicemen! Color TV is here now—and here to stay. With it comes the need for top-quality color TV servicing equipment. Choose RCA—world-renowned for accuracy and fine craftsmanship. On this page you'll find the latest in color TV servicing equipment designed to make your job easier and more profitable.



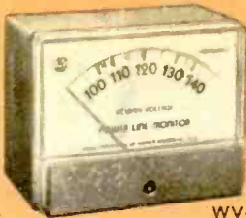
11A1015 COLOR TEST JIG

Simplifies servicing of color TV receivers. Utilizes RCA type 21CYP22A tri-color kinescope. Eliminates necessity of removing picture tube from cabinet and of reconverging tube when chassis is returned. Control panel provides dynamic and static convergence. Metal cabinet has safety glass and kine mask. With instructions. Wt., 90 lbs.

87 FU 047. \$7 Monthly. . . . NET 135.00



WV-38A



WV-120A



WV-95AK

World-Famous for Quality

WV-38A VOLT-OHMETER

Features 1 volt and 250 mv ranges for transistor servicing. Has large 5 1/4" meter. Offers 20,000 ohms-per-volt input resistance on DC ranges: 0-25-1-2.5-10-50-250-1000-5000 v. AC accuracy: ±5%. Reads 0-20 megohms in 3 ranges. DC current: 0-50 μamps, 0-1-10-100-500 ma, 0-10 amps. Reads db from -20 to +50 in 4 ranges, DC blocking capacitor for AC readings. 6 1/4"x5 1/4"x3 1/4". With batteries, leads. 5 lbs.

87 F 095. \$5 Monthly. NET 43.95

87 F 096. Model WV-38A(K). As above, in kit form. 5 lbs. NET 29.95

87 F 090. Model WG-270A Case. For above. 1 lb. NET 4.95

WV-120A POWER LINE MONITOR

Convenient to use—just plug line cord into AC outlet. Reveals fluctuations and "bounces" in line voltage. Ideal for labs, factories—wherever accurate knowledge of line voltage is required. May be hung on the wall or placed on work-bench. Range: 110-140 v. Accuracy: ±2% at 120 v. Scale has large, easy-to-read markings. 3 1/4"x5x3 1/4". Wt., 1 1/2 lbs.

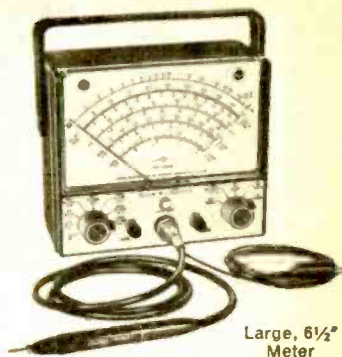
87 F 048. NET 14.95

WV-95AK DEMONSTRATOR KIT

Actual operating instrument provides effective method for teaching principles of multi-range volt-ohm-milliameters. 5 DC ranges (20,000 ohms/volt); 5 AC ranges (5,000 ohms/volt), 2.5-1000 v. 3 ohms ranges: 12, 1200, 120,000 ohms center scale. 5 DC current ranges: 10 ma to 10 amps. Panel, 24x12". Easy to assemble. Detailed instructions. 10 lbs.

65 FU 087. \$5 Monthly. NET 37.95

SENIOR VOLTOHMYST



Large, 6 1/2" Meter

WV-98C SENIOR VOLTOHMYST

Top-quality VTVM. Incorporates easy-to-read zero-center scale, 200 μamp meter movement; 1% precision multipliers; die-cast aluminum case. 6 1/2" meter has ±3% accuracy. In 7 ranges per function—reads AC v. rms and DC to 1000 megohms. AC input impedance of 0.83 megohm and 70 mmf to 1.5 megohms and 60 mmf; 11-megohm DC input resistance. With AC-DC-Ohms probe. For 105-125 v., 50-60 cycle AC. Wt., 7 lbs.

65 F 134. \$5 Monthly. NET 79.50

WV-98C(K) KIT. Above, in kit form.

65 F 133. \$5 Monthly. NET 57.95

JUNIOR VOLTOHMYST



WV-77E JR. VOLTOHMYST

Electronically protected. 11-meg. input. Ranges: 0-1000 meg, 7 ranges; AC rms, DC v.: 0-1500 v., 7 ranges; AC p-p v.: 0-4000 v., 6 ranges. DC accuracy: ±3%. Response: ±5%, 40 cps-5 mc. 7 1/4"x5 1/4"x4 1/4". With probes, leads, complete instructions. For operation from 105-120 V., 50-60 cycle AC. Shpg. wt., 5 lbs.

87 F 089. \$5 Monthly. NET 43.95

83 F 999. WV-77E (K). As above, but in kit form. Wt., 5 lbs. NET 29.95



WV-76A



WV-37B



WV-87B

NEW WV-76A AC VTVM

Measures AC volts from 10 millivolts to 100 v. rms in 9 overlapping ranges; 9 db ranges: -40 db to +40 db. Rugged 200-microamp meter. Accuracy: ±4% of full scale deflection. Response of amplifier: ± 1/2 db, 20 cps to 500 kc. Input resistance: 1.0 megohms; shunt capacitance: 58 mmfd at input terminals. With shielded direct/low capacitance probe and cable. Brushed aluminum panel. Size, 7 1/4"x5 1/4"x4 3/4". For 105-125 v., 50-60 cycle AC. Shpg. wt., 5 lbs.

65 F 088. \$5 Monthly. NET 79.95

WV-87B MASTER VOLTOHMYST

Accurately measures DC voltages in high-impedance circuits, even with AC present. Reads sine waves (rms) and complex waves (peak-to-peak), even with DC present. Voltage ranges: 0-1.5-5-15-50 v. Meas-direct current to 15 amps in 9 ranges, resistance from 0.2 ohms to 1000 megohms. Response: flat, 30 cps-3 mc. Has ±1% resistors, ±2% meter movement. Mirrored scale, DC polarity switch, zero-center scale adjustment. 10x13 1/2"x7". For 110-125 v., 50-60 cycle AC. 8 lbs.

65 F 089. \$7 Monthly. NET 137.50

MODEL WV-37B BATTERY TESTER

Accurately tests virtually all types of portable radio batteries. Checks each battery under its recommended load. Indicates "REPLACE-USABLE-GOOD"—shows percentage of rated output. Leads and probes attached. 6 1/4"x5 1/4"x3 1/4". Wt., 4 lbs.

87 F 097. \$5 Monthly. NET 24.95

ACCESSORY PROBES FOR ABOVE VOM'S AND VTVM'S

84 F 077. WG-289 HV Probe. Extends DC range of VOM's and VTVM's to 50,000 v. Less Multiplier. 1 lb. NET 7.15

MULTIPLIERS. For WG-289. 2 oz.

84 F 079. WG-206. 1090 meg.

84 F 083. WG-210. 900 meg. NET EA. 2.80

87 F 091. WG-297 HV Probe. For WV-77E Volt Ohmyst kit. Same as WG-289, left, but has banana plugs. 1 lb. NET 7.15

87 F 092. WG-211 Multiplier. 495-megohm multiplier resistor for WG-289 and WG-297 probes. Shpg. wt., 2 oz. NET 2.80

87 F 077. WG-299D AC-DC-Ohms Probe. Replacement for use with RCA Volt Ohmyst VTVM's. Wt., 1 lb. NET 7.95

87 F 052. WG-301A Crystal Diode Probe. Slips on WG-299A, B or C. Extends RF range to 250 mc. 8 oz. NET 7.75

Satisfaction Guaranteed or Your Money Back

ALLIED 205



Model
WO-91A

5" OSCILLOSCOPE

- Has Z-Axis Input Terminals
- Preset Sweep Positions
- Positive-Look Internal Sync

WO-91A. 5" wide-band scope for black and white and color TV servicing. Features: dual-band response; wide-band flat within ± 1 db from 10 cps to 4.5 mc; narrow-band flat within ± 6 db from 10 cps to 1.5 mc; and voltage-calibrated, frequency compensated 3-to-1 step attenuator. Vertical polarity switch. Plus or minus internal sync selector. Sensitivity: narrow band, 0.05 v. p-p/inch (0.018 v. rms); wide band, 0.150 v p-p/inch (0.053 v. rms). Input, 75 mmf and 1 meg direct. With WG-300A probe. $13\frac{1}{2} \times 9 \times 16\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Shpg. wt., 33 lbs.

84 FU 049. \$13 Monthly..... **NET 249.50**

87 F 059. WG-300B Low-Capacitance Probe. Shpg. wt., 1 lb..... **NET 9.95**

87 F 060. WG-302A Demodulator Probe. Extends range to 250 mc. Input, 2.2 mmf. Shpg. wt., 1 lb..... **NET 8.50**



Model
WO-33A



3" OSCILLOSCOPE

- Sync Locks in up to 4.5 mc
- Input, 90 mmf, 1 meg Direct

WO-33A. Wide-band response, 5.5 cps. to 5.5 mc; narrow-band, 20 cps to 150 kc., both within ± 3 db. Sensitivity; narrow-band, .02 v. p-p/inch (.003 v. rms); wide-band, 0.6 v. p-p/inch (0.1 v. rms). Sawtooth, 15 cps to 75 kc. Line sweep: 160° adjustable phase. $8\frac{1}{2} \times 6\frac{1}{2} \times 10\frac{1}{2}$ ". For 105-125 volts, 50-60 cycle AC. 15 lbs.

87 FU 093. \$7 Monthly..... **NET 129.95**

87 FU 094. WO-33A. As above, but in kit form. \$5 Monthly..... **NET 79.95**



WT-100A

LAB MICRO-MHO-METER

- Built-In Calibrating Circuit
- Comparable Accuracy to Tube Manufacturer's Equipment

WT-100A. Measures: true transconductance with $\pm 3\%$ accuracy; transconductance to 100,000 μ mhos in 6 ranges; control-grid-to plate and suppressor-grid-to-plate transconductance. Reads individual electrode currents, AC heater currents including 600-ma series-string TV types; voltage drop across tubes, dry-disc rectifiers and crystal diodes. $8 \times 18\frac{1}{2} \times 23\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. 110 lbs.

87 FZ 087...... **NET 989.00**

SOCKET PLUG-INS FOR WT-100A MICRO-MHO-METER

65 F 068. WG-229A Multiple. 7 and 9-pin min; 8-pin octal. 7 oz..... **NET 25.00**

65 F 069. WG-230A Multiple. Lock-in 8-pin. 7, 8-pin. 7 oz..... **NET 25.00**

65 F 070. WG-231A Multiple. Small 4, 5, 6-pin. 7 oz..... **NET 25.00**

65 F 071. WG-232A Multiple. Acorn, submin. 7, 8-pin. 7 oz..... **NET 25.00**

65 F 072. WG-233A Industrial. Miniature 7-pin. Wt., 7 oz..... **NET 25.00**

65 F 073. WG-234A Industrial. Octal 8-pin. Shpg. wt., 7 oz..... **NET 25.00**

65 F 074. WG-235A Industrial. Novel 9-pin. Shpg. wt., 7 oz..... **NET 25.00**

65 F 075. WG-236A Kit. Parts for the WT-100A. Shpg. wt., 7 oz..... **NET 15.00**



MODEL 3414 TUBE TESTER

Quickly tests all receiving tubes. Filament voltages from 0.65 to 117 v. Features include: modified plate conductance for closer correlation to tube characteristics; improved neon shorts test indicator; variable leakage test. Offers greater circuit sensitivity for the newer tube types. Has large 4" tri-colored meter. Variable-leakage test indicates leakage from approximately 0.3 megs to over 3 megs. Sturdy gray-leatherette covered wood case, $11\frac{1}{2} \times 15\frac{1}{2} \times 6\frac{1}{2}$ ". For 110-120 volts, 50-60 cycle AC. Shpg. wt., 13 lbs.

87 FX 154. \$5 Monthly..... **NET 89.50**

T-2247-BV CRT ADAPTER. (Not illus.) For use with Model 3414 and Model 3444 testers. Permits testing television picture tubes in operation—without removing them from receiver. Wt., 1 lb.

84 F 539...... **NET 7.20**



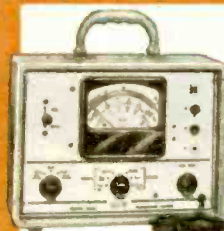
MODEL 3444 TUBE ANALYZER

This true dynamic mutual-conductance tube analyzer comprises a complete laboratory-type instrument in a handy portable case. Measures true Gm without any extra compensating factors, using proper DC potentials, 5 kc signal source and a vacuum tube microammeter. Self-checking circuit checks accuracy of Gm readings on the tester. Also checks plate current cutoff, plots characteristic curves, tests for gas, checks rectifiers under load, etc. In handsome gray leatherette case, $15\frac{1}{2} \times 18\frac{1}{2} \times 7\frac{1}{2}$ ". (See CG adapter below and T-2247-BV at right.) For 110-120 volts, 60 cycle AC. Shpg. wt., 24 lbs.

83 FU 964. \$14 Monthly..... **NET 279.50**

"CG" ADAPTER. Used to extend range of the 3444 tester above to include special tube types. Shpg. wt., 2 $\frac{1}{2}$ lbs.

87 F 197. \$5 Monthly..... **NET 39.50**



3432-A



2590

2590 TRANSISTOR TESTER

Tests beta, I_{CBO} and I_{CEO} for both power and signal types. Checks transistors for shorts and leakage; diodes for leakage and forward current. Needs no roll chart. Transistor socket plus 26" external leads permit use with any basing arrangement. Meter has 5 scales in black, red and green. Gray case, $8\frac{1}{2} \times 11\frac{1}{2} \times 5\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. 9 lbs.

83 FX 965. \$5 Monthly..... **NET 54.50**

3432A SIGNAL GENERATOR

Cache follower output provides high stability as buffer to oscillator. Covers 160 kc to 110 mc (220 mc using harmonics). Large, 6 $\frac{1}{2}$ " dial has 7 directly calibrated 160° scales. Internal modulation variable from 0-100% at 400 cycles. With output cable, $15\frac{1}{2} \times 11\frac{1}{2} \times 6\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. 12 lbs.

84 FX 677. \$6 Monthly..... **NET 109.50**



MINIATURE VOM
 310 with 10 Adapter
 Model 310 VOM
 10 Adapter

310 MINIATURE VOM
 DC volts: 0-3-12-60-300-1200 at 20 K ohms/v. AC volts: 0-3-12-60-300-1200 at 5K ohms/v. DC μ a: 0-600; DC ma, 0-6-60-600. Ohms: 0-20K-200K; megs: 0-2-20. Accuracy: 3% DC. $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". 1 lb.
84 FC 674. \$5 Monthly..... **NET 37.50**
84 F 575. 369 Leather Case. For Model 310 only. Wt., 6 oz..... **NET 3.20**
10 AMMETER ADAPTER. For above or any VOM with 3 v. AC at 5K ohms/v. scale. Clamp-on jaws for reading 0-6-12-30-60-120-300 amps AC without breaking circuit or insulation. $4\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". 2 $\frac{1}{2}$ lbs
87 F 152...... **NET 15.50**
66 F 590. 379 Leather Case. Holds Models 310 and 10. 8 oz..... **NET 6.00**
1/101 LINE SEPARATOR. (Not illus.) For readings with 10, above.
87 F 153...... **NET 6.00**
100 VOM AND AMMETER SET. (Not illus.) Includes: 310 VOM, 10 adapter, 101, eather case and 311 leads.
65 F 095. \$5 Monthly..... **NET 64.50**

MODEL 666-R VOM
 1K ohm/v; $\pm 3\%$ accuracy. DC/AC v., 0-10-50-250-1K-5K. DC ma, 0-10-100; DC amps, 0-1; ohms, 0-3K-300K; megs, 0-3; output v., 0-10-50-250-1K. Supplied with battery and leads. $5\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". $2\frac{1}{2}$ lbs.
84 F 557...... **NET 32.50**
66-HH VOM. (Not illus.) 1K ohms/v. AC/DC v., 0-10-50-250-1000-5000; DC ma, 0-100-500; ohms, 0-2000-4000. 3% accuracy. $5\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., $1\frac{1}{2}$ lbs.
84 F 555. \$5 Monthly..... **NET 29.50**

VOM ACCESSORIES

HIGH VOLTAGE PROBES. Fully insulated. $1\frac{1}{2}$ " probe with 48" leads. *For VOM Models 630, 630-A and 631. tFor VOM Models 630-PL and 630-APL.

Stock No.	Type	Volts	EACH
87 F 133	T-79-68*	0-12 000 DC	14.50
87 F 134	T-79-69*	0-12 000 AC	
84 F 544	T-79-70*	0-30 000 DC	
87 F 135	T-79-71*	0-30 000 AC	
65 F 098	T-79-83	0-10 000 DC	14.50
65 F 099	T-79-165†	0-10 000 AC	
65 F 100	T-79-130†	0-25 000 DC	
65 F 101	T-79-166†	0-25 000 AC	

CARRYING CASES AND STAND.
 *Black cowhide. TN225A33 is stand.

Stock No.	Type	For Testers	Wt.	NET
84 F 569	639-N*	Series 630 & 631	1 $\frac{1}{2}$	9.90
84 F 562	639-P*	Series 630 & 631	1 $\frac{1}{2}$	14.90
84 F 560	669*	666-R & 666-HH	1 $\frac{1}{2}$	6.90
84 F 573	T255A33	Series 630 & 631	1	1.00

611 and 311 LEADS. 611 allows use of 10 adapter with 630, 630-A, 630-NA, 630-PL, 631. 311 separates 10 from 310. 1 lb.
87 F 347. 611 **87 F 174.** 311..... **EACH 2.10**



310-C

MODEL 800 VOM

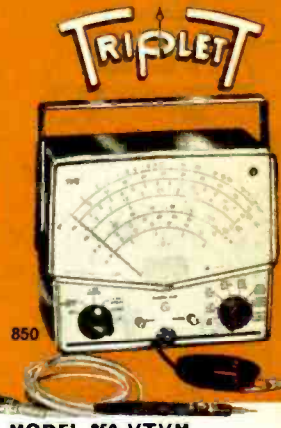
Newly designed for lab serviceability, features 70 ranges— $\pm 1\frac{1}{2}\%$ on DC to 1200 v.; $\pm 3\%$ on AC to 1200 v. DC volts: 8 ranges to 6000 (10,000 ohms/v.); 8 ranges to 3000 (20,000 ohms/v.). AC volts: 6 ranges to 6000 (5000 ohms/v.); 6 ranges to 3000 (10,000 ohms/v.) Db.: -30 to +70 in 12 ranges. DC microamps: 1 range to 120 (240 mv); 2 ranges to 600 (120 mv). DC milliamps: 4 ranges to 1200 (240 mv); 3 ranges to 600 (120 mv). DC amps: 1 range to 12 (240 mv); 1 range to 6 (120 mv). Ohms: 3 ranges to 100K, 3 to 100 megs. Has DC polarity reversing switch, and 7" mirror scale. $7\frac{1}{2} \times 6\frac{1}{2} \times 3\frac{1}{2}$ ". Supplied with leads and batteries. Shpg. wt., 4 lbs.
83 F 216. \$5 Monthly..... **NET 89.50**

MODEL 310-C VOM

A new VOM similar to standard 310 (at left), but offers these new features: polarity reversing switch; 15,000 ohms per volt AC sensitivity; and a fully enclosed range switch. $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". 1 lb.
65 FC 096. \$5 Monthly..... **NET 44.50**



800

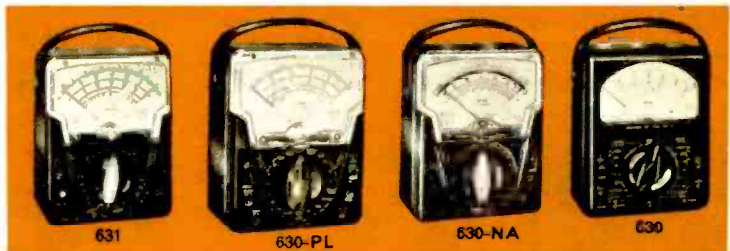


850

MODEL 850 VTVM

A wide-range VTVM for lab and shop use. Meter has large 7" dial scale. Sensitive 200 μ a meter movement is protected against overload. Features 0.5 volt full scale range on DC for checking low voltage circuits; zero center on all DC scales for FM discriminator alignment; single-unit probe has switch for DC or AC ohms. Frequency response is from 5 cps to 3 mc. Ranges: DC volts (11 megohms input resistance): 0-0.5-1.5-5-15-50-150-500-1500; AC RMS volts (0.83 megohms minimum input impedance): 0-1.5-5-15-50-150-500-1500; AC P-P volts, 0-4-14-40-140-400-1400-4000; resistance, 0-1000-10,000-100,000 ohms and 0-1-10-100-1000 megohms. Molded case has aluminum panel. $6\frac{1}{2} \times 7\frac{1}{2} \times 3\frac{1}{2}$ ". With 48" leads and battery. For 110-120 v., 50-60 cycle AC. 5 lbs.
87 F 348. \$5 Monthly..... **NET 79.50**

TOP-PERFORMING TRIPLETT VOM'S



631 630-PL 630-NA 630

631 VTVM-VOM. Battery operated VTVM, 0-1.2-6-30-120 v., DC; 11 megs input imp. VOM: DC v., 0-3-12-60-300-12K (20K ohms/v.); AC and audio volts, 0-3-12-60-300-12K (5K ohms/v.); DC μ a, 0-60; DC ma, 0-1.2-12-120-1200 (250 mv); DC amps, 0-12 (250 mv); db, -20 to +63; ohms, 0-1500-15K; megs, 0-1.5-150. With batteries and leads. $3\frac{1}{2} \times 5\frac{1}{2} \times 7\frac{1}{2}$ ". Wt., 4 lbs.
84 F 546. \$5 Monthly..... **NET 69.50**

630-NA VOM. 70 ranges: $1\frac{1}{2}\%$ on DC to 1200 v.; $\pm 3\%$ on AC to 1200 v. DC volts: 8 ranges to 6000 (10,000 ohms/v.); 8 ranges to 3000 (20,000 ohms/v.). AC volts: 6 ranges to 6000 (5000 ohms/v.); 6 ranges to 3000 (10,000 ohms/v.). Db., -20 to +77 in 12 ranges. DC microamps: 1 range to 120 (240 mv); 2 ranges to 600 (120 mv). DC ma: 4 ranges to 1200 (240 mv); 3 ranges to 600 (120 mv). DC amps: 1 range to 12 (240 mv); 1 range to 6 (120 mv). Ohms: 3 ranges to 100K, 3 to 100 megs. $7\frac{1}{2} \times 5\frac{1}{2} \times 3\frac{1}{2}$ ". Mirror scale. Supplied with test leads and batteries. Shpg. wt., 4 lbs.
84 F 512. \$5 Monthly..... **NET 79.50**

630 VOM. Has $5\frac{1}{2}$ " meter and 1% precision resistors. Ranges: DC and AC volts, 0-3-12-60-300-1200-6000 (DC at 20,000 ohms/v., AC at 5,000 ohms/v.); DC current, 0-60 ma, 0-1.2-12-120 ma and 0-12 amps; resistance, 0-1000-10,000 ohms and 0-1-100 megs; db, -20 to +77 in 6 ranges; output v., 0-3-12-60-300-1200. 20-position switch selects circuit and range. $7\frac{1}{2} \times 5\frac{1}{2} \times 3\frac{1}{2}$ ". With batteries, leads. 6 lbs.
84 F 568. \$5 Monthly..... **NET 49.50**

630-PL VOM. AC and DC v., 6 ranges each, to 5000 v. (DC at 20,000 ohms/v.; AC at 5000 ohms/v.); DC current, 0-100 μ a, 0-10-100-1000 ma, and 0-10 amps; res., 0-1000-10,000 ohms and 0-1-100 megs; db, -20 to +75 in 6 ranges; output v., 0-3-10-50-250-1000 at 5000 ohms/v. Acc.: $\pm 3\%$ on DC to 1000 v.; $\pm 4\%$ on AC to 1000 v.; $\pm 5\%$ on AC-DC at 5000 v. $7\frac{1}{2} \times 5\frac{1}{2} \times 3\frac{1}{2}$ ". With leads and batteries. 4 lbs.
87 F 150. \$5 Monthly..... **NET 49.50**

630-A VOM. As above, but lab type with $\frac{1}{2}\%$ precision resistors, mirror scale. Accuracy, $1\frac{1}{2}\%$ on DC to 1200 volts. With leads and batteries. 6 lbs.
84 F 574. \$5 Monthly..... **NET 59.50**



950-K

R-C BRIDGE KIT

MODEL 950-K. Combines an R-C bridge and R-C-L comparator. Measures (in 4 ranges) 0.5 ohms to 500 megohms and 10 mmf to 5000 mfd. Has .05 to 20 comparator range. Variable 0-500 v. DC source tests capacitors for shorts and leakage at rated v. Measures power factor of electrolytics. Less solder, leads. 8x10x4 1/4". For 105-125 v., 60 cycle AC. Wt., 10 lbs.

83 F 164. \$5 Monthly NET 19.95

84 F 387. Above, Factory-Wired . . . 29.95

RESISTANCE SUB. BOX KIT

MODEL 1100-K. (Not illus.) Gives all values that are multiples of ten of 15, 22, 33, 47, 68 and 100 ohms, from 15 ohms to 10 megohms (1-watt, 10%). 5-way binding posts. 3 1/2 x 6 1/2 x 3 1/2". Less solder, leads. 2 lbs.

83 F 179. NET 6.95

84 F 652. Above, Factory-Wired . . . 10.95

CAPACITOR SUB. BOX KIT

MODEL 1120-K. (Not illus.) Wide range of values from 0.0001 to 0.22 mfd in 18 steps. ±10% accuracy. Most capacitors rated 600 v., others, 400 v. 5-way binding posts. 3 1/2 x 6 1/2 x 3 1/2". Supplied less solder, leads. Shpg. wt., 2 lbs.

83 F 191. NET 5.95

84 F 665. Above, Factory-Wired . . . 9.95

Series/Parallel R-C Combination Box



1140-K

R-C COMBINATION BOX KIT

MODEL 1140-K. Versatile combination of Models 1100-K and 1120-K substitution units (see specs., at left). Allows development of differentiating, integrating and other wave-shaping R-C networks. 10% accuracy. Jack-top binding posts. Less solder, leads. 5 1/2 x 6 1/2 x 2 3/4". 3 lbs.

87 F 350. NET 13.95

87 F 351. Above, Factory-Wired . . . 19.95

RESISTANCE DECADE BOX KIT

MODEL 1171-K. Values from 0 to 99,999 ohms in 1-ohm steps with 1/2% accuracy. Uses 1-w. resistors. Five 10-position switches. Comparator position and binding posts for instant substitution. 12x3 1/2 x 3". Less solder, leads. 3 lbs.

83 F 165. \$5 Monthly NET 19.95

84 F 388. Above, Factory-Wired . . . 24.95

CAPACITOR DECADE BOX KIT

MODEL 1180-K. (Not illus.) 100 mmf to .111 mfd in 100 mmf steps, 350 WVDC. 1% micas. Positive detent ceramic switches. Zero capacitance, 7 mmf. 9x3 1/2 x 3 1/2". Less solder and leads. Wt., 3 lbs.

83 F 183. NET 14.95

1180. As above, but factory-wired.

84 F 656. \$5 Monthly 19.95



1171-K



147-K

DELUXE SIGNAL TRACER KIT

MODEL 147-K. High and low-gain RF channels with internal wide-range demodulator permit direct observation of signal. Has output for VTVM or scope. Use as speaker, output transformer, or amplifier. Features RF, AF visual-aural monitoring, magic eye, 5° speaker, watt-meter, noise localizer, hum balance. Gray case, 9x10x5". With probes; less solder. For 105-125 v., 60 cycle AC. 10 lbs.

83 F 190. \$5 Monthly NET 24.95

MODEL 147. As above, but factory-wired.

84 F 664. \$5 Monthly NET 39.95



SIGNAL TRACER KIT

MODEL 145-K. Checks IF, RF, video and audio circuits. Has speaker, amplifier and noise locator. Use with scope or VTVM for visual tracing. With probes. 7 1/2 x 5 1/2 x 5 1/2". For 105-125 v., 60 cycle AC. 7 lbs.

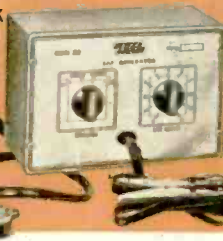
83 F 158. \$5 Monthly NET 19.95

MODEL 145. As above, but factory-wired.

84 F 385. \$5 Monthly NET 28.95



630-K



352-K



944-K



710-K



548-K

MODEL 630-K CRT CHECKER KIT. Has bridge for measuring peak beam current (proportional to screen brightness). 2 sockets for 12 and 14-pin tubes. Neon lamp indicator. 6 1/2 x 9 1/2 x 3". Less solder. For 105-125 v., 60 cycle AC. 5 lbs.

83 F 177. NET 13.95

MODEL 630. As above, but factory-wired.

84 F 650. NET 18.95

352-K BAR GENERATOR KIT. Adjusts vertical and horizontal linearity. Produces 16 vertical and 12 horizontal bars. Video tunable over channels 2-6. 3-way antenna clamp. 7 1/2 x 5 x 4 1/2". Less solder. For 105-125 v., 60 cycle AC. 4 lbs.

83 F 178. NET 14.95

MODEL 352. As above, but factory-wired.

84 F 651. \$5 Monthly NET 19.95

944-K FLYBACK TESTER KIT. Spots defective flyback transformers and yokes in black and white and color TV sets. Also checks continuity. 4 1/2" meter. Gray case, 8 1/2 x 5 x 5". Less solder. For 105-125 v., 60 cycle AC. Wt., 5 lbs.

83 F 184. \$5 Monthly NET 23.95

MODEL 944. As above, but factory-wired.

84 F 657. \$5 Monthly NET 34.95

612-K CONTINUITY TESTER KIT. (Not illus.) Battery powered—checks tube filaments in series string. Neon lamp indicator. CRT adapter plug, 7, 9-pin, octal and loctal sockets. 6 1/2 x 3 1/2 x 2". With batteries. Less solder. 2 lbs.

83 F 966. NET 3.95

MODEL 612. As above, but factory-wired.

83 F 967. NET 5.95

710-K GRID-DIP METER KIT. Covers 400 kc to 250 mc in 8 ranges. Has sensitivity control, phone jack, 500 µa meter, plug-in coils, illuminated scale. 2 1/2 x 2 3/4 x 6 1/2". Less solder. For 110-120 v., 60 cycle AC. Shpg. wt., 3 lbs.

87 F 352. \$5 Monthly NET 29.95

MODEL 710. As above, but factory-wired.

87 F 353. \$5 Monthly NET 49.95

MODEL 584-K BATTERY TESTER KIT. Tests Portable radio "A" and "B" batteries in or out of receiver. Test-switch positions (v.): 1.5, 4.5, 6.0, 7.5, 9.0, 22.5, 45, 67.5, 75, 90, spare. 6 1/2 x 3 1/2 x 2". Less solder. With leads. 2 lbs.

83 F 195. NET 9.95

MODEL 584. As above, but factory-wired.

84 F 671. NET 12.95

in Both Kit and Wired Form



- Push-Pull Outputs Both Amplifiers
- 5-inch Cathode Ray Tube
- Wide Frequency Range



AUDIO GENERATOR KIT
MODEL 337-K. Uses Wien-Bridge type oscillator circuit with 1% resistors for sine and square waves. Perfect for servicemen, hobbyists, etc. Sine wave range: 20-200,000 cps in 4 bands, $\pm 1\frac{1}{2}$ db from 60-150,000 cps, less than 1% distortion. Square wave range: 60-50,000 cps in 4 bands. 5% tilt at 60 cps. 5% rounding at 30,000 cps. Output: 10 v. across 1000 ohms. $6\frac{1}{2}''$ dial has 0-100 reference scale. Calibration accuracy, $\pm 3\%$ or 1 cps. $7\frac{1}{2}'' \times 11\frac{1}{2}'' \times 7\frac{1}{2}''$. Less solder, leads. For 105-125 v., 50-60 cycle AC. 14 lbs.
83 FX 169. \$5 Monthly. NET 31.95
MODEL 377. As above, but factory-wired.
84 FU 349. \$5 Monthly. NET 49.95

**New Model 427-K
 5" Wide-Band Scope Kit**

Sensitivity, 0.18 V rms per centimeter. Response, 2 cps to 450 kc. Input imp., 10 meg. Sweep range, 10-100,000 cps. External sync input. $12\frac{1}{2}'' \times 8\frac{1}{2}'' \times 16\frac{1}{4}''$. For 105-125 v., 60 cycle AC. 30 lbs.
65 FU 064. \$5 Monthly. NET 69.95
MODEL 427. As above, but factory-wired.
65 FU 065. \$5 Monthly. NET 109.95
488-K ELECTRONIC SWITCH KIT. For viewing 2 patterns on 1 scope. Variable switching, 10-2000 cps. Resp., 0-30,000 cps (± 2 db). $6\frac{1}{2}'' \times 8\frac{1}{2}''$. Less leads. For 105-125 v., 50-60 cycle AC. 7 lbs.
83 F 185. \$5 Monthly. NET 23.95
MODEL 488. As above, but factory-wired.
84 F 658. \$5 Monthly. NET 39.95

5" OSCILLOSCOPE KIT
MODEL 460-K. Wide-band, for color and monochrome TV. Response flat from DC to 4.5 mc, usable to 10 mc. Reproduces 3.58 mc color TV sync burst. Vertical sensitivity, 25 mv/inch. Permits peak-to-peak measurements. Full-screen DC vertical positioning, 2X horizontal positioning. Sweep: 10 cps to 100 kc, plus low freq. sweep. Size, $13\frac{1}{2}'' \times 8\frac{1}{2}'' \times 16\frac{1}{4}''$. For 105-125 volts, 50-60 cycle AC. Shpg. wt., 29 lbs.
83 FU 193. \$5 Monthly. NET 79.95
MODEL 460. As above, but factory-wired.
84 FU 668. \$7 Monthly. NET 129.50



**368-K
 Sweep Generator /
 Marker Kit**



**360K
 Sweep Generator
 Kit**

MODEL 368-K. Accurately aligns FM, color and black and white TV. Covers 3 to 216 mc in 5 ranges. Var. freq. marker provides output from 2 to 75 mc on fundamentals; to 225 mc on harmonics. Sweep varies from 0-30 mc. Built-in 4.5-mc crystal marker for oscillator. Dual markers for RF or IF alignment. Provision for adding external marker. Continuously variable sweep and marker attenuators. Has retract blanking. Output imp., 50 ohms. Five tubes; rectifier. $8\frac{1}{2}'' \times 13\frac{1}{2}'' \times 7\frac{1}{2}''$. For 105-125 volts, 50-60 cycle AC. 16 lbs.
83 FU 950. \$5 Monthly. NET 69.95
MODEL 368. As above, but factory-wired.
87 FU 225. \$6 Monthly. NET 119.95
MODEL 360-K. Covers 500 kc to 228 mc. Variable sweep, 0-30 mc. Crystal marker osc. with variable amplitude. Provision for injection of external marker. Less 5-mc crystal. $8\frac{1}{2}'' \times 10\frac{1}{2}'' \times 6\frac{1}{2}''$. For 105-125 v., 50-60 cycle AC. Wt., 12 lbs.
83 F 159. \$5 Monthly. NET 34.95
MODEL 360. As above, but factory-wired.
84 FU 342. \$5 Monthly. NET 49.95

SCOPE PROBES. Shielded. Av. wt., 5 oz.

Stock No.	Type	Description	NET
83 F 180	PSD-K	Demodulator Probe Kit.	3.95
84 F 653	PSD	As above, but wired.	5.95
83 F 181	PD-K	Direct Probe Kit.	2.95
84 F 654	PD	As above, but wired.	3.95
83 F 182	PLC-K	Low-Capacity Probe Kit.	3.95
84 F 655	PLC	As above, but wired.	5.95

VOLTAGE CALIBRATOR KIT
MODEL 495-K. (Not illus.) Ranges: 0-1-1-10-100 v., p-p, Accuracy, $\pm 5\%$. $5\frac{1}{2}'' \times 7\frac{1}{2}'' \times 4\frac{1}{2}''$. Less leads. For 105-125 v., 60 cycle AC. Wt., 4 lbs.
83 F 176. NET 12.95
MODEL 495. As above, but factory-wired.
84 F 384. NET 17.95

RF SIGNAL GENERATOR KITS



320-K



315-K



324-K

MODEL 320-K. Uses stable Hartley oscillator. Covers 150 kc to 34 mc on fundamentals—102 mc on harmonics, 400 cps modulation. $9''$ dial, calibrated in 7 bands. $8\frac{1}{2}'' \times 4\frac{1}{2}''$. Less solder. For 105-125 volts, 50-60 cycle AC. 10 lbs.
83 F 154. \$5 Monthly. NET 19.95
MODEL 320. As above, but factory-wired.
84 F 394. \$5 Monthly. NET 29.95
MODEL 322-K. Kit, as above, but with individual calibration of each of 5 bands.
65 F 066. \$5 Monthly. NET 23.95
MODEL 322. As above, but factory-wired.
65 F 067. \$5 Monthly. NET 34.95
MODEL 315-K. 1% accuracy from 75 kc to 150 mc. Internal 400 cps sine wave generator with attenuator. $13\frac{1}{2}'' \times 12\frac{1}{2}''$. For 105-125 v., 50-60 cycle AC. Wt., 20 lbs.
83 FU 162. \$5 Monthly. NET 39.95
MODEL 315. As above, but factory-wired.
84 FU 395. \$5 Monthly. NET 59.95

MODEL 324-K. An accurate, wide-range signal-generator. The Model 324-K provides modulated or unmodulated RF signal and continuous output from 150 kc to 435 mc. Has expanded frequency range of 6 fundamental bands: 150-400 kc, 400-1200 kc, 1.2-3.5 mc, 3.5-11 mc, 11-37 mc and 37-145 mc. One harmonic band covers 111-435 mc. Calib. accuracy, $\pm 1.5\%$. Output impedance, 50 ohms. Internal modulation of 400 cps variable from 0 to 50%; can be used for audio testing. Input has gain control for use with external modulator. Colpitts RF oscillator is directly modulated by cathode follower. Fine and coarse RF attenuators. 6:1 vernier tuning knob. Size, $8\frac{1}{2}'' \times 10\frac{1}{2}'' \times 4\frac{1}{2}''$. For 105-125 volts, 50-60 cycle AC. Shpg. wt., 10 lbs.
83 F 192. \$5 Monthly. NET 26.95
MODEL 324. As above, but factory-wired.
84 F 666. \$5 Monthly. NET 39.95

Allied Guarantees Satisfaction or Your Money Back

EICO Accurate, Versatile Test Equipment for All..

NEW DELUXE SERIES METER KITS



250-K

255-K

261-K

Meters With Versatility— Compactness—

MODEL 255-K AC VTVM KIT

Lab-sensitive 12-range unit. Has frame-grid triode cathode follower input circuit; 2-stage R-C coupled amplifier. Range: 1-3-10-30-100-300 rms mv; 1-3-10-30-100-300 rms v. Response, 0 db 10 cps to 600 kc. Accuracy, $\pm 3\%$ of full scale. Less solder. $8\frac{1}{2} \times 5\frac{1}{2} \times 7"$. For 105-125 v., 50-60 cycle AC. Wt., 7 lbs.

65 F 039.....NET 44.95

MODEL 225. As above, but factory-wired. 65 F 038.....NET 72.95

AC VTVM and AMPLIFIER KIT

MODEL 250-K. Same as 255-K above, but selector switch on panel converts unit to amplifier with 60 db gain on 1 mv range. Max. output: 5 v. rms. 7 lbs.

65 F 037.....NET 49.95

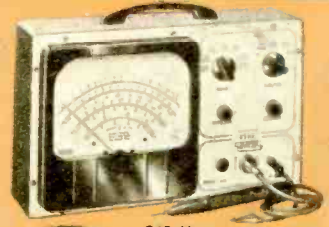
MODEL 250. As above, but factory-wired. 65 F 036.....NET 79.95

AC VOLT-WATT METER KIT

MODEL 261-K. Reads AC v.: 1 mv to 1000 v., in 11 ranges. Reads power: .015 mv to 150 w. in 7 ranges. $8\frac{1}{2} \times 5\frac{1}{2} \times 7"$. For 105-125 v., 50-60 cycle AC. 6 lbs.

65 F 041.....NET 49.95

MODEL 261. As above, but factory-wired. 65 F 040.....NET 79.95



249-K



221-K



232-K

MODEL 249-K VTVM KIT

Peak-to-peak VTVM for color and monochrome TV servicing. Has big $7\frac{1}{2}"$ meter, balanced-bridge circuit, 1% multiplier resistors and "Uni-Probe." Ranges: p-p volts, 0-4-14-42-140-420-1400-4200 volts; DC /rms volts, 0-1.5-5-15-50-150-500-1500 volts; resistance, 0-1000 megs in 7 ranges. Less solder. $8\frac{1}{2} \times 13 \times 5"$. For 105-125 v., 50-60 cycle AC. Shpg. wt., 9 lbs.

83 F 187.....NET 39.95

MODEL 249. As above, but factory-wired. 84 F 660.....NET 59.95

MODEL 232-K. Same as 249-K, but has $4\frac{1}{2}"$ meter. $8\frac{1}{2} \times 5 \times 5"$. Wt. 5 lbs.

83 F 186.....NET 29.95

MODEL 232. As above, but factory-wired. 84 F 659.....NET 49.95

MODEL 221-K VTVM KIT

Similar to model 222-K, but has 25 meg DC input and AC/DC ranges to 1000 v. With leads. $9\frac{1}{2} \times 16 \times 5"$. 7 lbs.

83 F 152.....NET 25.95

MODEL 221. As above, but factory-wired. 84 FX 389.....NET 39.95

MODEL 214-K. (Not illus.) Same as 221-K, but has large $7\frac{1}{2}"$ meter. $9 \times 13 \times 6"$. Less solder. Shpg. wt., 11 lbs.

83 FX 170.....NET 34.95

MODEL 214. As above, but factory-wired. 84 FX 344.....NET 54.95

VTVM PROBES

Use with Eico VTVMs. Av. wt., 1 lb.

Stock No.	Type	Description	NET
65 F 049	PTP-11-K	P-to-P Kit for 11 megs	4.95
65 F 048	PTP-11	As above, but factory-wired	6.95
83 F 188	PTP-25-K	P-to-P Kit for 25 megs	4.95
84 F 661	PTP-25	As above, but factory-wired	6.95
83 F 189	PRF-25-K	RF kit for 25 megs	3.95
84 F 662	PRF-25	As above, but factory-wired	4.95
83 F 196	PRF-11-K	RF kit for 11 megs	3.95
83 F 197	PRF-11	As above, but factory-wired	4.95

HIGH VOLTAGE PROBE. Extends range of VTVM's to 30,000 v. Wired. $\frac{1}{2}$ lb.

65 F 050. HVP-1.....NET 6.95

84 F 663. For Models 214, 221.....NET 4.95

84 F 669. For Models 232, 249.....NET 4.95

UNIPROBE. AC/DC Probe. $\frac{1}{2}$ lb.

65 F 052. UP-K Kit.....NET 4.95

65 F 051. UP Wired.....NET 6.95



566-K



536-K



565-K

BEST-QUALITY STANDARD VOM KITS

MODEL 566-K VOM KIT

Has easy-to-read $4\frac{1}{2}"$ meter for 38 ranges. Rectifier in dual half-wave hook-up. Uses divider resistors. AC/DC range: 0-1-5-10-50-100-500-5000 v. at 1000 ohms per v.; 0-1-10 ma and 0-1-1 a.; 0-5000-100,000 ohms, 0-1 meg; 6 db ranges, -20 to +69. With case. Less solder and leads. Size, $6\frac{1}{2} \times 5\frac{1}{2} \times 3"$. Shpg. wt., 3 lbs.

65 F 045.....NET 14.90

MODEL 566. As above, but factory-wired. 65 F 044.....NET 20.95

MODEL 566-K. Same as 566-K, but has 1% precision resistors. 3 lbs.

83 F 173.....NET 16.90

MODEL 556. As above, but factory-wired. 84 F 347.....NET 23.50

MODEL 536-K. Same as 566-K, but has 3" meter and 31 ranges. 3 lbs.

83 F 171.....NET 12.90

MODEL 536. As above, but factory-wired. 84 F 345.....NET 16.90

MODEL 565-K VOM KIT

A 31-range VOM featuring 20,000 ohms/volt DC sensitivity and $4\frac{1}{2}"$ meter with 50 μ a movement. Ranges: DC, AC, output volts, 0-2.5-10-50-250-1000-5000 (AC at 1000 ohms/v.); DC, 0-100 μ a, 0-10-100-500 ma, 0-10 a.; 0-2000-200,000 ohms, 0-20 meg; -12 to +55 db in 5 ranges. With batteries. Less leads, solder. $6\frac{1}{2} \times 5\frac{1}{2} \times 3"$. 4 lbs.

83 F 172.....NET 24.95

MODEL 565. As above, but factory-wired. 84 F 346.....NET 29.95

MODEL 555-K. Same as 565-K, but has 1% precision resistors.

83 F 167.....NET 29.95

MODEL 555. As above, but factory-wired. 84 F 391.....NET 34.95

MODEL 526-K. Same as 536-K (at left), but has 1% precision resistors.

83 F 166.....NET 13.90

MODEL 526. As above, but factory-wired. 84 F 390.....NET 18.90

in Kit and Factory-Wired Form **EICO**



540-K READI-TESTER KIT

All-in-one AC/DC voltmeter, ammeter, ohmmeter, wattmeter and leakage tester. Ranges: AC/DC volts, 0-7.5-15-150-300; AC/DC amps 0-15; Resistance, 0-1000 ohms. Has neon indicator and 3 1/2" meter. Panel outlet for current metering. Aluminum panel and bakelite case. With leads. Less solder. 6 1/2 x 3 1/4 x 3 1/4". 3 lbs.

- 83 F 199** NET 12.95
MODEL 540. As above, but factory-wired.
84 F 667 NET 15.95

955-K CAPACITOR CHECKER KIT

Conveniently checks capacitors in circuit. Checks capacitors from 15 mmf to 2000 mfd for opens, shorts or intermitents. Unique shunt resistance balancing provision, permits testing capacitors connected in parallel with resistance as low as 35 ohms. Has 4" capacity scale. 8 1/2 x 5 1/2 x 6". Less leads and solder. For 105-130 v., 60 cycle AC. Wt. 6 lbs.

- 85 F 056** NET 19.95
MODEL 955. As above, but factory-wired.
85 F 055 NET 30.95

680-K TRANSISTOR TESTER KIT

Accurately measures basic transistor and diode characteristics. Measures ICBO, IC-EO, DC Beta; simulated AC Beta. 20,000 ohm μ v. meter reads 0-5-50 DC volts; 0-2000-200,000 ohms and 0-20 megs resistance; also 0-50-500 μ a and 0-5-50-500 ma DC. Plastic case, 6 3/4 x 5 1/4 x 3". With leads, batteries. Less solder. 3 lbs.

- 85 F 054** NET 25.95
MODEL 680. As above, but factory-wired.
85 F 053 NET 39.95

625-K TUBE TESTER KIT

Tests tubes for emission, shorts, opens and continuity. Full-vision 4 1/2" meter with 3-color "Replace-Weak-Geod" scale and 0-to-1000 scale. Fused. Ten lever-action switches. Less solder. 9 1/2 x 12 1/2 x 4 1/2". For 105-125 v., 60 cycle AC. 12 lbs.

- 83 FX 161** NET 34.95
MODEL 625. As above, but factory-wired.
84 FX 397 NET 49.95

- MODEL L-1.** Lid for the 625-K and 625.
83 FX 800 NET 3.95

666-K

TUBE-TRANSISTOR TESTER KIT

MODEL 666-K. 4 1/2" meter reads Gm, Gp; peak emission, leakage of tubes; transistor coll. current and amplif. factor. Roll-chart. 12x15x4 1/2". Less solder. For 105-130 v., 50-60 cycle AC. 20 lbs.

- 83 FX 198** NET 69.95
MODEL 666. As above, but factory-wired.
87 FX 226 NET 109.95

MODEL 610 TUBE TESTER ADAPTER.

Adapts 625 and 666 Testers to checking new tube types: 5 and 7 pin novistors; novars; 10-pin miniatures; and 12-pin compactrons. With roll-chart supplements. Size, 1 1/2 x 2 1/2 x 6". Shpg. wt., 1 lb.

- 85 F 047.** Kit NET 5.95
85 F 046. Wired NET 11.95

MODEL CRA ADAPTER. (Not illus.)

Adapts 625 and 666 testers to checking all TV picture tubes except 110". 1 lb.

- 84 F 348** NET 4.50

MODEL CRA-110. As above but tests only 110" picture tubes. 1 lb.

- 83 F 879** NET 3.95

Weston and Jackson Equipment



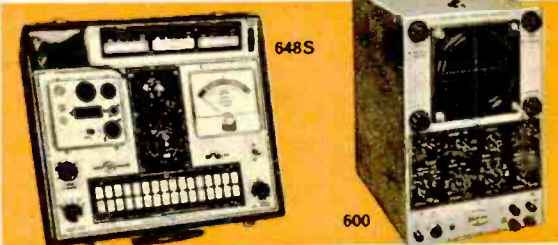
One-Knob Control For Function And Range

WESTON MODEL 911 DC VOLTMETER. Easily converts to panel or switchboard mounting without adapters. Has 7.2" mirrored scale. DC volts: 0-1-3-10-30-100 ($\pm 1\%$); 0-300-1000 ($\pm 2\%$). Screw-type binding posts. Gray steel case, 7 1/2 x 6 1/2 x 2 3/4". With panel conversion hardware. Shpg. wt., 5 1/2 lbs.

- 87 F 751.** \$5 Monthly NET 68.50
87 F 752. 911 DC Ammeter. Similar to above. $\pm 1\%$ accuracy. Amps, 0-1-3-10; milliamps, 0-10-30-100-300. NET 68.50
87 F 753. 911 DC Milliammeter. As above. $\pm 1\%$ accuracy. Ranges: 0-0.1-0.3-1-3-10-30-100 milliamps NET 68.50
87 F 754. 912 AC Voltmeter. Similar to above. AC v.: 0-3-10-30-100-300-1000; $\pm 2\%$ ($\pm 3\%$ 1-KV and 3-v.). NET 78.50

WESTON 980 MARK II ANALYZER. Has 4.63" scale. Accuracy, 2% on DC; 3% AC. AC v.: 0-1.6-8-40-160-400-1600 at 1000 ohms/volt. DC current: 0-1.6-8-40-160-400-800-4000 at 20,000 ohms/volt. DC current: 0-80 μ a; 0-1.6-8-80-800 ma; Resistance, 0-1K-10K-100K; Megs, 0-1-10—center scale, 25. Db: 6 ranges, -15 to +54. With leads. Less batteries. 7 1/2 x 6 1/2 x 3". Shpg. wt., 3 lbs.

- 87 F 427.** \$5 Monthly NET 53.50
87 F 428. Cover and 4-way stand. Wt., 1 lb. NET 5.50



JACKSON 648S TUBE TESTER. Checks old and new types, including: novistors, compactrons, novars, etc. Only 3 controls to set—Heater Voltage, Plate Control and Sequence Switch. Tests each element for shorts; checks leakage from 250K to 2 megs. Meter has "Bad-Good" and percent scale. In plastic case. 16 1/2 x 13 1/2 x 6". For 110-120 v., 60 cycle AC. 23 lbs.

- 87 FZ 474.** \$8 Monthly NET 154.95
JACKSON 600 LAB SCOPE. Wide-band vertical amplifier. flat within 1 db from 20 cps to 4.9 mc, usable to 10 mc. Two-range sensitivity, from 20 mv/inch. Hor. amplifier response uniform within 2 db from 20 cps to 200 kc. Linear range, 10 cps-100 kc. Has internal 10 v. P-P calibration voltage. 15x9 1/2 x 13". For 105-125 volts, 50-60 cycle AC. Shpg. wt., 29 lbs.
87 FZ 472. \$16 Monthly NET 335.00

- LC2-1P PROBE.** For circuits to 25 volts. Shpg. wt., 1 lb.
85 F 057 NET 19.95
LC10-1P PROBE. For circuits to 1000 volts. Wt., 1 lb.
85 F 058 NET 7.95
DEM-P PROBE. For signal tracing RF, IF sections. 2 lbs.
85 F 059 NET 9.95

Precision Test Equipment Offers

Every Instrument You Need for Servicing Equipment

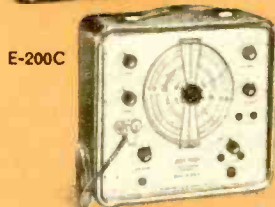


ES-150

ES-150 OSCILLOSCOPE

A lab-type instrument for black and white and color TV, with push-pull outputs in both amplifiers. Sensitivity: Vertical: DC—70 mv/in.; AC—25 mv rms/in.; Hor.—0.6 v. rms/in. Response: Vert.—DC, ± 3 db to 4.5 mc; AC, ± 3 db, 1 cps to 4.5 mc; Hor.—3 db, 1 cps to 400 kc. Input imp.: Vert.—1.5 megs; hor.—5 megs. Has p-p voltage calibrator and vertical polarity reversal switch. 00x00x00". For 110-120 v., 50-60 cycles AC-DC. 30 lbs.

87 FU 041 \$8 Monthly. . . . NET 146.95



E-200C

E-200C SIGNAL GENERATOR

Deluxe, extremely sensitive signal-marker generator for AM, FM and TV alignment. For use with the E-410 below, or any other high-quality sweep signal generator. Calibrated on each band against laboratory crystal standards. 1% accuracy on 10 easy-to-read ranges. Frequency coverage: 88 kc to 440 mc; to 110 mc on fundamentals. Direct-reading $6\frac{1}{2}$ " dial has 0-1000 vernier scale. Outputs: unmodulated RF; 400-cycle modulated RF; externally modulated RF; and 400-cycle sine wave output. Supplies 0-50 volts AVC-AGC voltage. Dual RF attenuators. With cable, connectors, and manual. $11\frac{1}{2}$ x13x6 $\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. 17 lbs.

87 FU 000. \$6 Monthly. . . . NET 107.75



E-410

E-410 SIGNAL GENERATOR

Excellent for FM and TV alignment. Has built-in marker-adder to avoid overloading of receiver circuits when inserting markers. Sweeps from 3 mc to 213 mc in 5 ranges with width continually variable from 0-30 mc. Output impedance, 50 ohms. Dual attenuators control RF output. Has AGC to regulate voltage amplitude on any band. $8\frac{1}{2}$ x13x7". With 4.5 crystal. For 110-120 v., 50-60 cycles AC. 14 lbs.

87 FU 042. \$8 Monthly. . . . NET 156.75



E-450

120 MULTI-RANGE VOM

A very sensitive instrument featuring: 61 ranges, 1% precision resistors, $\pm 2\%$ full-scale accuracy, mirrored scale and polarity reversing switch. Ranges: AC, +DC, -DC, output v., 0-0.3-1.2-3-12-60-300-600-1200-6000 with 5000 ohms per volt on AC and 20,000 ohms per volt on DC; DC, 0-60-300 μ a, 0-1.2-12-120-600 ma, 0-12 amps; 0-200-2000-200,000 ohms, 0-2-20 megs; 8 db ranges, -20 to +77. Has full-view $5\frac{1}{2}$ " meter. With batteries and leads. Size, 7x5 $\frac{1}{2}$ x3". Shpg. wt., 5 lbs.

84 F 490. \$5 Monthly. . . . NET 44.05



CB-26

CAPACITOR-RESISTOR BRIDGE

CB-26. Versatile instrument for measuring virtually any unknown resistance or capacitance. Quickly measures mica paper and electrolytic capacitor leakage. Checks insulation resistance, windings in transformers and cable wires. Capacity ranges: 10 mmf to 5000 mmf; .001 mfd to .5 mfd; .1 mfd to 50 mfd; 20 mfd to 2000 mfd. Resistance ranges: 5 to 500 ohms; 50 to 50,000 ohms; 5000 ohms to 5 megs; 2 megs to 200 megs. $11\frac{1}{2}$ x7 $\frac{1}{2}$ x5". For 110-120 v., 60 cycles AC. 9 lbs.

65 FU 008. \$5 Monthly. . . . NET 48.95



P-28

E-450 DOT-BAR GENERATOR

A compact instrument that tests and adjusts the color-phasing, matrixing, linearity and convergence circuits in all color TV receivers. Provides direct RF output on either channel 3 or 4. Adjusts number and thickness of horizontal and vertical bars. 300 ohm output impedance. Generates: white dots, vertical and horizontal bars and crosshatch pattern. In rugged, blue-gray shielded steel case, 12x13x8". (With cables.) For 110-120 v., 50-60 cycles AC. 14 lbs.

65 FX 102. \$8 Monthly. . . . NET 186.15

P-28 BATTERY ELIMINATOR

Designed especially to meet the rigid low-ripple output requirements to power transistor auto radios and other 6-12 v. equipment. Also makes an efficient battery charger with high-current output at separately labeled terminals. Has variable output of 0-8 or 0-16 volts, DC. Current ratings: continuous—10 amps at 6 volts; 6 amps at 12 volts; intermittent—20 amps at 6 volts; 12 amps at 12 volts. Low ripple output: 5 amps at 6 and 12 volts. Overload protected. $11\frac{1}{2}$ x7 $\frac{1}{2}$ x7". For 110-120 v., 50-60 cycles AC. 21 lbs.

85 FU 005. \$5 Monthly. . . . NET 63.65

IC-60 CAPACITOR CHECKER

(Not illustrated.) Designed to make fast, accurate checks for open or shorted capacitors without removing them from circuit. Also reveals dried-out, shorted or open electrolytics while in circuit. Any electrolytic that yields a capacity reading on dial is automatically revealed as not open or shorted. Checks opens from 5 mmf; shorts from 10 ohms. Checks electrolytics from 2 mfd to 400 mfd in 2 ranges. Has ripple-finish steel case, $5\frac{1}{2}$ x7 $\frac{1}{2}$ x4 $\frac{1}{2}$ ". For 110-120 v., 60 cycle AC. 6 lbs.

65 F 103. \$5 Monthly. . . . NET 32.29

MODEL 120M VOM

(Not illustrated.) Same as Model 120 (above), but has $\frac{1}{2}\%$ precision multiplier resistors and a 1% mirrored-scale meter. 1 $\frac{1}{2}\%$ accuracy on DC; 3% on AC.

87 F 080. \$5 Monthly. . . . NET 54.83

LC-3 "EVEREADY" CASE. For models 120 and 120M. Shpg. wt., 3 lbs.

84 F 496. . . . NET 10.29

TV-2B HV SAFETY TEST PROBE. For models 120 and 120M. Extends DC range to 30,000 volts. Wt., 2 lbs.

84 F 495. . . . NET 15.63

ST-1 RETRACTABLE STAND. For Models 88, 120 and 120M. Wt., 1 lb.

87 F 020. . . . NET 98

RS-24 POWER SUPPLY

(Not illustrated.) A source of variable, regulated DC plate voltages, plus bias and AC filament voltages with a 12.6 v. AC supply. Excellent for circuit testing and development. Eliminates need for separate power supplies for each new circuit. Variable output of 0-400 volts, DC. Ripple, less than .003 v. rms. AC supply: output #1, 6.3 volts at 3 amps; output #2, 6.3 volts at 3 amps; 12.6 volts at 3 amps by interconnecting panel terminals. Milliammeter range, 0-200 ma. D'Arsonval meters. Internal impedance, less than 10 ohms from DC to 1 mc. $8\frac{1}{2}$ x13x7". For 110-120 v., 60 cycle AC. 20 lbs.

85 FU 000. \$5 Monthly. . . . NET 97.95



120

Speed, Reliability and Accuracy

Quickly Pay for Themselves In Time and Trouble Saved

MODEL 650 TUBE TESTER. Quickly and accurately tests: 10-pin miniatures, 12-pin compactrons, 5 and 7-pin nuvistors, novars, octals, loctals, 9-pin novals, 7-pin miniatures (including battery types), voltage regulator types, industrial and European tubes. Checks for shorts, emission, opens and continuity. Also checks picture tubes with adapter (below). Size, 9x13x14 1/2". 60 cycle AC. Wt., 9 lbs.

87 F 043. \$5 Monthly..... **NET 68.55**

87 F 104. PTA Picture Tube Adapter. For above. Wt., 1 lb..... **NET 5.83**

MODEL CR-60 CRT TESTER. Speedily tests and rejuvenates color and black and white picture tubes. Checks for emission, shorts, opens and cutoff voltage. Tests CRT's with filament voltages from 1.5 to 12 volts, and 1100, 1140, G2, 19" and 20" tubes. Checks each color gun separately. Size, 11 1/2x5x7 1/2". For 110-120 volts, 60 cycle AC. Shpg. wt., 7 lbs.

65 F 105. \$5 Monthly..... **NET 63.65**

MODEL 48 VTVM. (Not illus.) Has 4 1/2" meter. Response: 40 cps to 4 mc, ±1 db. Ranges: DC volts (11 meg input), 0-1.5-15-50-150-500-1500; AC rms volts, 0-1.5-15-50-150-500-1500; AC P-P volts, 0-4-14-40-140-400-1400-4000; ohms, 0-1000-10,000-100,000-0 and 0-1-10-100-1000 megs. 7 db ranges: -6 to +66. 3-way probe. For 110-120 v., 50-60 cycle AC. 6 lbs.

65 F 106. \$5 Monthly..... **NET 54.83**

65 F 107. HI-Freq. Probe. 6 oz..... **6.81**

65 F 108. HI-Volt. Probe. 8 oz..... **6.81**

MODEL 100 POCKET VOM, 1000 ohms/v. DC, AC sens. AC v., 0-6-30-150-600-1500-6000; DC v., 0-0.3-6-30-150-600-1500-6000; DC cur., 0-600 μ a, 0-6-60-300 ma and 0-1.5 amps; res., 0-2000-200,000 ohms, 0-2 megs; db, -6 to +77 (6 ranges). 3 1/2" meter, 400 μ a sens. 1% resistors. 5 1/2x3 1/2x1 1/4". With batteries, leads, 2 lbs.

65 F 109. \$5 Monthly..... **NET 31.31**

110 POCKET VOM. (Not illus.) 20,000 ohms/v. DC; 5000, AC. DC v., 0-0.3-1.5-6-30-150-600-3000; AC v., 0-1.5-30-150-600-3000; DC cur., 0-60-600 μ a, 0-6-60-600 ma; res., 0-2000-200,000 ohms, 0-20 megs; db., -20 to +71 (6 ranges). Meter, 50 μ a sens. 1% resistors. 5 1/2x3 1/2x1 1/4". With batteries and leads, 2 lbs.

87 F 023. \$5 Monthly..... **NET 35.23**

65 F 110. Case for Above. 8 oz..... **6.81**

65 F 111. H-V Probe. 8 oz..... **NET 15.23**

MODEL E-75 RF SIGNAL GENERATOR. Provides 160 kc to 240 kc; 400 cps audio output (up to 15 v.); 40 mc TV IF frequencies. 11 1/2x7 1/2x6 1/2". For 110-120 volts, 50-60 cycle AC. Wt., 9 lbs.

65 FX 112. \$5 Monthly..... **NET 48.95**

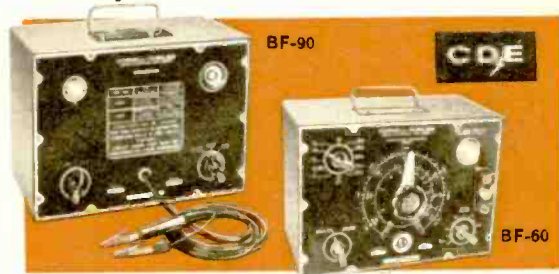
MODEL 68 VTVM. Has large 5 1/2" meter, 400 μ a sens., ±2% accuracy. 5 + and - DC v. ranges, 0-3-12-60-300-1200 (13 1/2 megs); AC v. rms, 0-3-12-60-300-1200; P-P v., 0-8-32-160-800-3200; resistance, 0-1000-100,000 ohms and 0-10-100-1000 megs. 1% multipliers and shunts. In blue-gray cabinet, 5 1/2x7 1/2x3 1/2". With AC-DC probe, batteries and manual. Wt., 6 lbs.

65 F 113. \$5 Monthly..... **NET 69.53**

PRECISION



Sprague and Cornell-Dubilier Capacitor Checkers



SPRAGUE MODEL TO-5 TEL-OHMIKE
Bridge-type capacitor analyzer measures capacitance, insulation resistance, power factor and leakage current. Capacitance bridge reads to 2000 mfd—includes special low-capacitance range: 0-100 mmf with ± 2% or 1 mmf accuracy. "Magic-Eye" indicates balance. Shows insulation resistance to 20,000 megs. Power factor of electrolytics is measured to 55%. Gives leakage current reading for electrolytics with exact rated voltage to 600 v., applied. Has turns ratio scale. Size, 8 1/2x14 1/2x6 1/2". For 110-120 volts, 50-60 cycle. Shpg. wt., 12 1/2 lbs.

66 FX 591. \$5 Monthly..... **NET 90.65**

SPRAGUE MODEL M-2 MIKE-O-METER
Designed to test capacitors for air conditioning, refrigeration and electric motor service technicians. Measures capacitance and power factor of capacitors from 0.1 to 2000 mfd with Wien bridge. "Magic-Eye" shows balance. No voltage appears at test terminals until the "Slide-To-Test" switch is pressed. Automatically discharges any residual charge on capacitors upon release. Sturdy, gray-enamel steel case, size 9x6x5 1/2". For 110-120 volts, 6 cycle AC. Shpg. wt., 8 lbs.

87 F 224. \$5 Monthly..... **NET 31.85**

C-D BF-90 CAPACITOR CHECKER
Accurately checks all capacitors without having to remove them from circuit. Capacitor condition is indicated by a "Magic-Eye." 60 cycle test for direct or intermittent short; 20 mc test for open or intermittent. Checks capacitors from 30 mmf to 2000 mfd for open, short or intermittent condition; from .1 mfd to 2000 mfd for shorts. Accurately tests capacitors even when in parallel with 50-ohm resistance. In sturdy, easy-to-carry metal case, size 7x10x5 1/2". Furnished with leads. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 8 lbs.

84 FX 619. \$5 Monthly..... **NET 40.91**

C-D BF-60 CAPACITOR-RESISTOR BRIDGE
Makes fast and easy checks for opens, shorts, intermittents capacity and power factor of electrolytics, as well as the insulation resistance of paper, mica and ceramic capacitors. The BF-60 measures capacity between wires and shielding, transformer windings, etc. Ranges: 10 mmf-.005 mfd; .001-5 mfd; .1-50 mfd; 20-1000 mfd; 100-50,000 ohms and 10,000 ohms to 5 megs, 5 polarizing voltages: 25, 150, 250, 350 and 450 DC. Size, 5 1/2x7x10". For 110-125 volts, 50-60 cycle AC. Shpg. wt., 10 lbs.

84 FX 457. \$5 Monthly..... **NET 50.81**

Buy Your Test Equipment on Allied's Credit Fund Plan

ALLIED 213

Simpson Test Equipment



Convert Your
VOM Into Eight
Testers!

Model
260-111



Just Plug
In Adapter



Model 269



Model 311

20,000 OHMS/V. DC 260 AND 270 VOMs

260—SERIES III. Its low cost and dependability have made it one of the world's most popular VOMs. 2-color scales, 5000 ohms/v. AC sensitivity, polarity reversing switch, full-wave bridge rectifier, response to 500,000 cps. Ranges: DC mv, 0-250; AC and DC v., 0-2.5-10-50-250-1000-5000; AF output v., 0-2.5-10-50-250; DC μ a, 0-50; DC ma, 0-1-10-100-500; DC amps, 0-10; res., 0-20 megohms in 3 ranges; db, -20 to +50 in 4 ranges. $7 \times 5 \frac{1}{2} \times 3 \frac{1}{2}$ ". Batteries, leads. Shpg. wt., 5 lbs.

87 F 111.....NET 48.95

87 F 112. MODEL 260RT. Above in roll-top case. Size, $9 \times 6 \frac{1}{2} \times 4 \frac{1}{2}$ ". Shpg. wt., 9 lbs.NET 54.95

270. Deluxe version of the 260. Will give identical readings days or even weeks apart. Has all 260 features plus mirrored scale, knife-edge pointer, extra-high stability, 1% accuracy. $7 \times 5 \frac{1}{2} \times 3 \frac{1}{2}$ ". Batteries, leads. 5 lbs.

87 F 123.....NET 59.95

87 F 149. MODEL 270RT. Above in roll-top case. Size, $9 \times 6 \frac{1}{2} \times 4 \frac{1}{2}$ ". Shpg. wt., 9 lbs.NET 69.95

ACCESSORIES FOR THE 260 AND 270

Stock No.	Type	Description	For Models	Lbs.	NET
87 F 124	0247	HV probe; 25 KV range.	260-III 270	$\frac{1}{2}$	11.50
87 F 115	0248	HV probe; 50 KV range.	260-III 270	$\frac{1}{2}$	12.50
87 F 106	8375	Leads; alligator clips L terms.	260-III	$\frac{1}{2}$	1.75
87 F 116	7500	Leads; banana plugs allig. clip.	260-III	1	2.10
87 F 721	4236	Ever-Ready Leather Case	260, 270, 303	2	9.75
84 F 782	1818	Standard Leather Case	260, 270	2	8.50

Plug-In Adapters. Turn any 260 or 270 made since 1947 into 8 different testers. $4 \frac{1}{2} \times 5 \frac{1}{2} \times 3 \frac{1}{2}$ ". 2 lbs.

Stock No.	Type	Function	Description	NET
87 F 553	650	Transistor Tester	0-100 μ a 1 to 3 beta ranges.	26.95
87 F 554	651	DC VTVM	0-0.5-1.0-2.5-5-10-25-50-100-250-500 v.	32.95
87 F 555	652	Temperature Tester	-50° to +250° F. in 2 ranges.	38.95
87 F 556	653	AC Ammeter	0-0.25-1.25-12.5-25 A; 50-3000 cps.	18.95
87 F 557	654	Audio Wattmeter	17 μ w to 100 w; 4/8/16/600 ohms.	18.95
87 F 558	655	Microvolt Attenuator	2.5-250,000 uv, decade steps.	18.95
87 F 559	656	Battery Tester	Up to 90 volts.	19.95

7-SCALE VOMs

269. Ranges: DC current, 0-16-160 μ a; 0-1.6-16-160 ma; 0-1.6-16 amps. DC v., 0-1.6-8-40-160-400-1600-4000. AC v., 0-3-8-40-160-800; output v., 0-3-8-40-160. Ohms, 0-2K-20K-200K; megohms, 0-2-20-200. $6 \times 8 \times 3 \frac{1}{2}$ ". 100,000 ohms/v. DC. Leads, 1 btry. 6 lbs.

84 F 726.....NET 89.95

84 F 742. 0181. 40,000 VDC probe for 269. 2 lbs.NET 13.50

267. Ranges: AC and DC v., 0-2.5-10-50-250-500-1000; DC μ a, 0-50; DC ma, 0-1-10-100-500; DC amps, 0-10; db, -20 to +50 in 4 ranges; output v., 0-2.5-10-50-250; ohms—RX1 (12 ohms center), RX100, RX10K. $6 \times 7 \frac{1}{2} \times 3 \frac{1}{2}$ ". With bat., leads. $3 \frac{1}{2}$ lbs.

87 F 562.....NET 54.95

268. Ranges: AC and DC v., 0-3-12-60-300-600-1200; DC μ a, 0-60; DC ma, 0-1.2-12-120; DC amps, 0-12; db, -12 to +50 in 4 ranges; output v., 0-3-12-60-300; ohms—RX1 (12 ohms center), RX100, RX10K. With leads, bat. $3 \frac{1}{2}$ lbs.

87 F 563.....NET 54.95

4 $\frac{1}{2}$ "-SCALE VTVMs

311. Ranges: AC/DC v., 0-1.5-5-15-50-150-500-1500. Res., 0-1K-10K-100K ohms and 0-1-10-100-1000 megohms. AF v., 0-1.5-5-15-50-150-500-1500, 30 cps-100 kc, $\pm 5\%$. P-P, 0-4-14-40-140-400-1400-4000 v. $7 \frac{1}{2} \times 5 \frac{1}{2} \times 4 \frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. 8 lbs.

87 FX 121.....NET 69.95

87 F 122. 0732. 30,000 VDC probe for 311. 1 lb.NET 11.75

87 F 131. 0731. High-freq. probe for 311. 1 lb.NET 11.50

303. Ranges: AC/DC v., 0-1.2-12-60-300-1200; res., 0-1000-100K ohms, 0-1-10-1000 megohms; db, -20 to +63 in 5 ranges. $7 \times 5 \frac{1}{2} \times 3 \frac{1}{2}$ ". Less RF probe (below). For 110-120 v., 60-cycle AC. $6 \frac{1}{2}$ lbs.

84 F 712.....NET 73.95

84 F 725. 303RT. Above, with roll-top case. 8 lbs.NET 82.95

84 F 716. RF Probe. For 303 1 lb.NET 8.75

84 F 715. HV Probe. For 303 30 KV. 1 lb.NET 11.95

715 AC VTVM (Not illus.)

Response, 10 cps to 400 kc, ± 1 db. Ranges: AC rms v., 0-0.01-0.03-0.1-0.3-1-3-10-30-100-300; db, -52 to +52 in 10 ranges. $5 \frac{1}{2} \times 7 \frac{1}{2} \times 3 \frac{1}{2}$ ". With leads. For 110-125 v., 50-60 cycle AC. 5 lbs.

87 F 205.....NET 69.95



A MODEL 466 5" "HANDISCOPE"

Compact, rugged, general-purpose oscilloscope. Push-pull amplification for X and Y axes; intensity modulation input for Z axis. Vert. response, ± 1 db, 15 cps-100 kc. $12 \frac{1}{2} \times 8 \times 6 \frac{1}{2}$ ". With cable. For 110-120 v., 50-60 cycle AC. Shpg. wt., 24 lbs.

87 FU 113.....NET 149.95

B MODEL 458 7" COLORSCOPE

Top-performance oscilloscope for black-and-white and color TV. Wide-band response, ± 1.0 db to 4.5 mc; better than 40 mv rms per inch sensitivity at 3.58 mc. Narrow-band response, ± 2 db, 10 cps to 300 kc; 15 mv rms per inch. $16 \frac{1}{2} \times 11 \times 14 \frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Shpg. wt., 38 lbs.

84 FU 631.....NET 249.95

C MODEL 430 COLOR BAR GENERATOR

100% saturated NTSC signals. Exceptionally wide range of outputs—includes G-Y at 90°. Positions of master control marked with color of signal. $17 \frac{1}{2} \times 14 \times 19 \frac{1}{2}$ ". With leads. For 105-125 v., 60-cycle AC. Shpg. wt., 26 lbs.

65FU 129.....NET 395.00

D MODEL 383A IN-CIRCUIT CAPACOHMMETER

For paper, mica and ceramic capacitors. Measures leakage and capacitance (10.0 mmf to 10.0 mfd). In-circuit. With leads. $8 \frac{1}{2} \times 11 \frac{1}{2} \times 8 \frac{1}{2}$ ". For 105-125 v., 60 cycle AC. 12 lbs.

84 FX 630.....NET 89.95

Test Equipment by *knight*[®]

WIRED AND TESTED... READY TO USE



MODEL 600A TUBE TESTER

Only **\$53.95**
\$5 monthly

- Tests Over 1900 Tubes
- Line-Voltage Adjust
- Illuminated Roll Chart
- Portable Wooden Case

Checks cathode-emission of over 1900 compactrons, novistors, novars, 10 pins, 7- and 9-pin miniatures, 4, 5, 6, and 7-pin large and small types, octals and loctals. Also detects opens, shorts and cathode-filament leakage. 16 filament voltages from 0.63 to 117. 4 1/2" color meter. 6 1/2" x 14 1/2" x 10 1/2". For 110-125 v., 50-60 cycle AC. Shpg. wt., 14 lbs.

83 YX 518-J. \$5 Monthly... ONLY 53.95

83 YX 636-J. In Kit Form... ONLY 39.95

MODEL 600A FOR BENCH OR COUNTER. Electronically identical to Model 600A Tube Tester listed above, but designed for stationary use. Supplied with durable, heavy-duty gray metal case. Size, 5 1/2" x 14 1/2" x 10 1/2". Shpg. wt., 15 lbs.

83 YX 519-J. \$5 Monthly... ONLY 49.95

83 YX 635-J. In Kit Form... ONLY 35.95



FAMOUS MODEL 504 VTVM

Only **\$39.95**
\$5 monthly

- 200 Microamp Meter
- Full-Range 0-1.5 Volt
- Large 4 1/2" 2-Color Meter
- 1% Multiplier Resistors

A favorite with quality-conscious technicians everywhere, the "504" is your best VTVM value. Has direct-reading db scale, polarity reverse switch, zero-center scale, 11-meg Input, and 30 cps to 3 mc response. AC p-p v., 0-4.2-14-42-140-420-1400-4200. AC rms and DC v., 0-1.5-5-15-50-150-500-1500; ohms, 0-1K-10K-100K and 0-1-10-100-1000 megs; db, -10 to +65 in 7 ranges. Complete with battery and leads. 7 1/2" x 5 1/2" x 4 1/2". For 110-125 v., 60 cycle AC. Shpg. wt., 7 lbs.

83 Y 504-J. \$5 Monthly... ONLY 39.95

83 Y 125-J. In Kit Form... ONLY 26.95

83 Y 126-J. High-Voltage Probe Kit. Extends DC range to 50 kv. 1 1/2 lbs. **ONLY 4.50**

83 Y 127-J. High-Frequency Probe Kit. Extends AC range to 250 mc. **ONLY 3.50**

PERFECT FOR COLOR TV...
All the necessary features—wide sweep, broad response, high sensitivity, cathode-follower inputs.



MODEL 502 WIDEBAND SCOPE

Only **\$109.95**
\$6 monthly

- Push-Pull Amplifiers
- 1-v. P-P Calibrator
- 25 mv/Inch Sensitivity
- 5-Megacycle Bandwidth

A 5" scope highly recommended for color TV work and other high-frequency uses. Offers sweep range of 15-600,000 cps. Locks in at frequencies up to 9 mc. Vertical response is ±3 db, 5 cps to 5 mc, down only 1 db at the 3.58 mc color-burst frequency. Has: frequency compensated input attenuator; Z-axis input for intensity modulation; astigmatism control; 1-v. peak-to-peak calibrator; deflection-plate coupling; negative and positive sync; blanking circuit and more. With leads. 14 1/2" x 10 1/2" x 15 1/2". For 110-125 v., 60 cycle AC. 28 lbs.

83 YU 502-J. \$6 Monthly... ONLY 109.95

83 YU 144-J. In Kit Form... ONLY 69.95

83 Y 147-J. Low-Capacity Probe Kit. 3.75

83 Y 148-J. Demodulator Probe Kit. 3.75



MODEL 503 R-C CHECKER

Measures both resistance and capacity by the accurate bridge method. Checks for opens and shorts in all capacitors, indicates PF of electrolytics from 0-50%. Magic-Eye shows nulls at a glance. Reads capacity from 10 mmf to 1000 mfd, resistance from 100 ohms to 5 megs. Tests for leakage from 50-450 WVDC. Accuracy, ±10%. With leads. 7 1/2" x 10 1/2" x 5 1/2". For 110-125 v., 60 cycle AC. 9 1/4 lbs.

83 Y 503-J. \$5 Monthly... ONLY 29.95

83 Y 124-J. In Kit Form... ONLY 19.95



MODEL 516 SIGNAL GENERATOR

This low-cost generator boasts a Colpitts oscillator for accurate alignment of RF and IF stages in radio and TV sets. Also has 10-volt 400 cps output for audio work. Provides fundamental output of 0.1 volt or more, in 5 bands, from 160 kc to 112 mc—usable to 224 mc on harmonics. RF oscillator can also be externally modulated. With leads. 7 1/2" x 10 1/2" x 5 1/2". For 110-125 v., 60 cycle AC. 11 lbs.

83 Y 516-J. \$5 Monthly... ONLY 29.95

83 Y 145-J. In Kit Form... ONLY 19.95



6-12V BATTERY ELIMINATOR

Heavy-duty DC power supply for many uses, including overnight charging of automobile batteries. Has variable output of 0-8 or 0-15 volts DC. Current ratings: continuous—15 amps at 6 v., 10 amps at 12 v.; intermittent—17.5 amps at 6 v., 12.5 amps at 12 v. Meters are calibrated 0-15 VDC and 0-20 amps DC. Fuse-protected. 8 3/4" x 12 x 7 1/2". For 110-125 v., 60 cycle AC. Shpg. wt., 18 lbs.

83 YX 505-J. \$5 Monthly... ONLY 47.95

83 YX 129-J. In Kit Form... ONLY 38.95

SAVE ENERGY and HOURS OF LABOR TIME

NEW PORTABLE 3" WIDE-BAND OSCILLOSCOPE

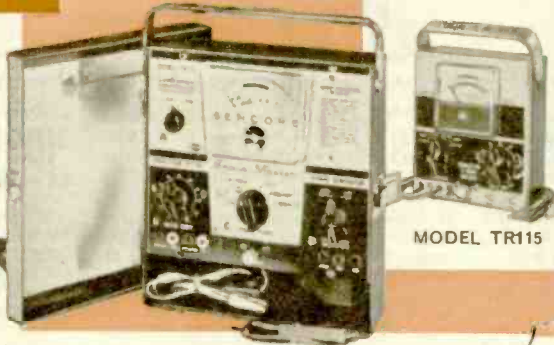
MODEL PS-120. A truly portable lab scope designed to handle any job—yet as easy to use as a voltmeter. Has just two major controls. Response: vertical amplifier, flat within 1/2 db from 20 cycles to 5.5 mc; horizontal amplifier, flat within -3 db from 45 cycles to 330 kc—flat within -6 db from 20 cycles to 500 kc. Sensitivity: .035 v./inch rms—0.1 v./inch, p-p. Sweep: frequency—4 ranges, 15 cycles to 150 kc; sync range—15 cycles to 8 mc—usable to 12 mc. Input impedances: vertical, 2.7 meg shunted by 99 mmf; horizontal, 330K to 4 meg. With low capacity probe. Has steel handle and concealed storage compartment. Size, 9x7x11 1/4". For 105-125 volts, 50-60 cycle AC. Shpg. wt., 12 lbs.

65 FU 063. \$7 Monthly. NET 122.01



MODEL TR110

MODEL SM112



MODEL TR115



TC114 TUBE CHECKER

The famous "Mighty Mite" portable tube tester checks almost 2000 tubes—including foreign and 5-star types, nuvistor compactrons, novars and 10-pin types. Checks leakage and cathode emission; offers complete, automatic short tests. Checks rectifiers from 50-150 ma and power-amplifier tubes from 15-35 ma—others are checked at their rated current. Grid leakage sensitivity exceeds 100 megohms.

Illuminated meter is protected by current-limiting circuit. Has socket for testing CRT's. Steel case, 10 1/2 x 9 1/4 x 3 1/2". For 110-120 v., 50-60 cycle AC. 9 lbs.

87 F 371. \$5 Monthly. NET 73.01

TR110 TRANSISTOR TESTER

For all-around servicing convenience, a versatile tester also serving as a signal tracer, voltmeter, battery tester and milliammeter. Tests transistors in circuit with AC gain check—also tests DC gain and leakage out-of-circuit. Directly reads current gain (beta) and tests diode F/B ratios. Has 0-12 v. scale for battery tests; 0-50 ma scale for current drain—aids in alignment. Mirror in removable cover reflects opposite side of PC boards. With leads, set-up chart and batteries. 8x7 1/2 x 3". 6 lbs.

83 F 990. \$5 Monthly. NET 58.31

SM112 COMBINED VTVM-VOM

Two instruments in a compact unit. Features 1% precision resistors, single test prod, special scale indicators and 6" 200 µa meter. AC-DC volts: 0-3-10-30-100-300-1000. P-P v.: 0-2800 in 6 ranges. Accuracy; DC ±3%; AC, ±5%. Response (first 4 ranges) 30 cps to 4.5 mc. Ohms: VTVM, 0-1000 meg in 6 ranges; VOM, 0-1 meg in 2 ranges. VTVM input imp., 10 meg; VOM sensitivity, 5000 ohms/v. Zero-center scale. With battery, 8 1/2 x 7 1/2 x 3 1/2". For 105-125 v., 60 cycle AC. Wt., 6 lbs.

87 F 372. \$5 Monthly. NET 78.35

MODEL TR115 TRANSISTOR-DIODE TESTER

High quality tester. Battery powered, it checks transistors for opens shorts and leakage. Reads current gain (Beta) directly, or as good or bad. Tests diode F/B ratios, and seleniums for forward,

reverse current; lists Japanese equivalents. Charts for critical tests—but checks can be made without them; leads and batteries. 4 1/2 x 5 x 2 1/4". 2 lbs.

87 F 375. \$5 Monthly. NET 24.45

HG104 HARMONIC GENERATOR

Battery powered signal generator for fast signal-tracing of transistor radios. Generates RF, IF and audio signals simultaneously. Traces from speaker to antenna. Puts 1000-cps note through good stages. With battery. 1 1/2 x 3 1/2 x 4 1/2". 1 lb.

83 F 986. NET 9.75

FC123 TUBE-FILAMENT TESTER

Quick checks in series-string TV sets. Also checks voltages (100-600) and fuse continuity, wiring, etc. 3 1/2 x 4 x 1 1/2". With leads. For 110-120 v., AC-DC. 1 lb.

65 F 092. NET 3.87

VB2 "VIBRA-DAPTOR"

Adapts any tube tester to checking vibrators. Has sockets for 3 or 4-prong units. 2 lamps show vibrator condition. Sturdy steel case. 3 1/2 x 1 1/2 x 1 1/2". 5 oz.

87 F 278. NET 2.69



Front and Back

HM119 FILAMENT CHECKER

A new checker that tests all tubes including the new types, compactrons, nuvistor, 10-pin and Novars in series string TV sets. Also checks fuses, picture tubes, continuity and voltage. Has on-off switch; pin straightener; cord with 2 plugs for iron, lamp, etc. 3 1/2 x 4 x 1 1/4". For 110-120 v., 50-60 cycle AC. Wt., 1 lb.

65 F 002. NET 9.75



MODEL HG104



MODEL VB2



MODEL FC123

... To Simplify Servicing

VERSATILE UNITS TO SOLVE EVERY PROBLEM

SS117 TV SWEEP CIRCUIT ANALYZER

A new circuit analyzer that solves any sweep, sync or high-voltage circuit problem in minutes. Checks black and white and color from top of chassis without removing it from set. Push-buttons simplify testing procedures. Analyzer directly injects horizontal and vertical sync pulses, grid and plate drive signals into the output transformers. Tests flybacks and de-

flection yokes for shorted turns, leakage, opens and continuity. Only one yoke lead disconnected for tests. Roll chart provides data for control settings and interpretations. Has mirror in detachable cover, and 2-AC outlets in storage compartment. 9-AC \times 10 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ ". Instruction book and record. For 110-120 v., 60 cycle AC. 10 lbs.

87 F 370. \$5 Monthly. . . . NET 87.71

COMPONENT SUBSTITUTORS

RC 121 COMPONENT SUBSTITUTOR.

Switches to select: 12—1-watt resistors, 10 to 5600 ohms; 12— $\frac{1}{2}$ -watt, 10K to 5.6 megs; 20—20-watt, 2.5 to 15,000 ohms; 10—600 WVDC capacitors, 100 mmfd to 0.5 mfd; 10—450 WVDC dual-section, 2 to 250 mfd; 1 selenium and 1 silicon rectifier, each rated 0.5 amp, 800 PIV. 6 \times 7 \times 3 $\frac{1}{2}$ ". Shpg. wt., 5 lbs.

83 F 499. \$5 Monthly. . . . NET 39.15

87 F 269. Model H36. Same as RC 121, less power resistors, rectifiers and has only 1—10 and 1—40 mfd electrolytic. 2 \times 4 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ ". 2 lbs. . . . NET 12.49

83 F 984. Model ES102. 10 electrolytics, 4—350 mfd. 2 $\frac{1}{2}$ \times 4 $\frac{1}{2}$ " sq. 2 lbs. . . . 15.63

87 F 374. Model PR111. Contains power resistors only of RC121. 20 values. 5 \times 5 \times 2 $\frac{1}{2}$ ". 1 $\frac{1}{2}$ lbs. . . . NET 12.49

83 F 988. Model RS106. Rectifier portion of RC121. 3 $\frac{1}{2}$ \times 6 $\frac{1}{4}$ \times 7 $\frac{1}{2}$ ". 1 $\frac{1}{4}$ lbs. NET 12.49



MODEL RC121

A complete range of carbon resistors, capacitors, electrolytics and rectifiers in one compact unit.



DUAL TV BIAS SUPPLY

MODEL BE113. Twin bias supply (for RCA and Admiral TV sets) provides bias voltages for RF or IF alignments, finding AGC and sync troubles, etc. Output (each) 0-20 VDC, neg. or pos., less than 0.1% ripple. Supplies may be used simultaneously. With leads. Size, 2 $\frac{1}{2}$ \times 4 \times 4". For 110-120 volts, 50-60 cycle AC. 4 lbs.

87 F 373. . . . NET 12.49

Save Time and Money With These Dependable Test Instruments by



HC-6 IN-CIRCUIT CURRENT CHECKER

Permits on-the-spot check of output tube cathode current—indicates whether TV horizontal circuitry is over-loading output tube and associated components. 5 $\frac{1}{2}$ \times 2". Wt., 1 lb.

65 F 060. . . . NET 12.95

MODEL 100 TRANSISTOR CHECKER

Dynamically tests small-signal drift and power types—in or out of circuit. Checks shorts, opens and gain simultaneously. Size, 6 $\frac{1}{4}$ \times 3 $\frac{3}{4}$ \times 2". With battery. Wt., 1 $\frac{1}{2}$ lbs.

87 F 203. \$5 Monthly. . . . NET 19.95

PS2 BATTERY ELIMINATOR

Supplies DC for transistor equipment. Checks receivers up to 22 $\frac{1}{2}$ v. 1 $\frac{1}{2}$ \times 4 $\frac{1}{2}$ \times 5". For 105-125 v., 60 cycle AC. 1 $\frac{1}{2}$ lbs.

65 F 061. . . . NET 13.95

510 TRANSMITTER TESTER

For low-power communications equipment. Reads modulation percentage, RF output. Tests tuning stubs, transmission lines, etc. Audio monitoring, scope connection. 5 $\frac{1}{2}$ \times 6 $\frac{1}{2}$ \times 2 $\frac{1}{2}$ ". 2 lbs.

87 F 306. \$5 Monthly. . . . NET 46.95

MODEL 500 TEST SET

For servicing and installing crystal-controlled transmitters and receivers. Checks all types of crystals, provides RF signal. With 15' cable, batteries. 6 $\frac{1}{2}$ \times 3 $\frac{1}{4}$ \times 2 $\frac{1}{4}$ ". 1 $\frac{1}{2}$ lbs.

87 F 305. \$5 Monthly. . . . NET 29.95

520 ANTENNA TESTER

In-line antenna efficiency tester and in-line RF power meter. Dual cylinder air coupler rated at 1000 w. max—does not insert error into line up to 160 MC. Direct, easy-to-read scales. 3 watts—ranges provided with switching: 0-10, 0-100 and 0-1000 w. Size, 5 $\frac{1}{2}$ \times 2 $\frac{1}{4}$ \times 6 $\frac{3}{4}$ ". Shpg. wt., 2 $\frac{1}{2}$ lbs.

65 F 062. \$5 Monthly. . . . NET 42.95



Model HC-6



Model PS-2



Model 100



510



500

AMATEUR and CB TEST EQUIPMENT



Model 520

Your Satisfaction Is Guaranteed

Selected Test Equipment



MILLEN GRID DIP METER

MODEL 90651. A calibrated, stable RF oscillator unit with 2" meter to read grid current. Frequency determining coil is plugged into unit to act as probe. Has 7 direct-reading scales and a 0-100 scale. With coils for 1.7 to 300 mc. 205° calibrated drum dial. $7 \times 3 \frac{3}{4} \times 3 \frac{3}{4}$ ". In handy polypropylene carrying case that holds meter and coil/probes. For 110-120 volts 50-60 cycle AC—has terminals for battery operation. Wt., 3 $\frac{1}{2}$ lbs.

65 F 090. \$5 Monthly.....NET 68.85



PRECISION SIGNAL TESTER

MODEL 202. Aural-visual tracer. 3-stage preamp has cascade circuit with feedback; additional voltage gain of 400 for scope or VTVM; flat, 2 cps to 300 kc to scope output or "Magic Eye." Noise test with applied breakdown voltage. Wattmeter, 25-300 watts. With audio probe, less RF probe. Size, $7 \frac{1}{2} \times 10 \frac{1}{2} \times 6 \frac{1}{2}$ ". Built-in speaker. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 11 lbs.

84 FX 197. \$5 Monthly.....NET 58.75

87 F 258. RF Probe. 1 lb.....NET 7.35



B&W AUDIO OSCILLATOR

MODEL 210. Furnishes low distortion signals (on 5 bands) from 10-100,000 cps. Has $4 \frac{1}{4}$ " dial calibrated over 328°. Excellent for testing broadcast station response, high fidelity equipment, etc. Wave form distortion is less than .2% at 5 v. output from 50-20,000 cps. Output Imp., 600 ohms balanced. Hum and noise level, 70 db down at 5 v. With 2-prong adapter. Gray aluminum case. $9 \times 6 \times 12$ ". For 110-120 v., 50-60 cycle AC. 11 lbs.

65 FU 091. \$9 Monthly.....NET 165.00

B&W DISTORTION METER

MODEL 410. Measures audio distortion, noise level, audio gain or loss in db's and AC voltages. Ranges: frequency, 20-20,000 cps (harmonics to 100,000 cps); distortion, 1%, 3%, 10%, 100%. 600 ohm input impedance. Voltmeter section has 1 meg input and frequency response of 20-200,000 cps. $9 \times 11 \frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. Shpg. wt., 11 lbs.

85 FU 003. \$10 Monthly.....NET 189.50



I.H. 8" TELE-CHECK

MODEL CR-118. Portable CRT substitution unit. Self-focusing. For electrostatic or electromagnetic focusing TV sets with 52°, 66°, 70°, or 90° yokes. Has universal yoke. Adjustments made by use of horizontal and vertical lines on front plate. $12 \times 11 \frac{1}{2} \times 15$ ". With case, leads, face plate and 8XP4CRT. Wt., 12 lbs.

87 FX 297. \$5 Monthly.....NET 44.95

87 FX 193. CR-168. As above, but with 8YP4, 110° univ. yoke.....54.50

87 FX 198. CR-167. As above, less tube. Takes 8PX4, 8YP4. $9 \frac{1}{2}$ lbs.....28.50

87 FX 194. CR-168S. Same as CR-168, plus test speaker. 13 lbs.....64.50



DON BOSCO STETHOTRACER

A pen size, transistorized self-contained signal tracer. Frequency range, 60 cps to 200 mc; gain, 60 db; distortion, 5% max.; AC v., 1 mv; DC v., 250 v. Only $5 \frac{1}{2}$ " long, $\frac{1}{2}$ " dia. Uses single 1.5 v. battery. With earphone, cord, plug, 3 interchangeable attenuator probes, RF detector-demodulator crystal diode probe, lead and battery. Shpg. wt., 3 oz.

65 F 018. \$5 Monthly.....NET 29.95

65 F 017. Vibrottracer. Detects minute mechanical vibrations with stethotracer. Frequency range from 200 cps to ultrasonic. Shpg. wt., 3 oz.....NET 49.95

87 F 470. "Mosquito." Pen-size signal injector. Oscillator provides 1000 cps test tone rich in harmonics for AF and RF. With battery. 3 oz.....NET 9.95



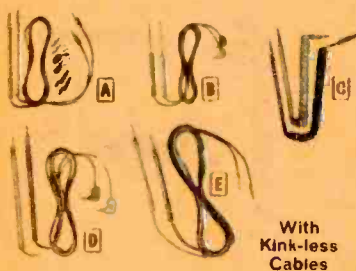
WATERMAN "POCKETSCOPE"

MODEL S-11A. 3" oscilloscope. Horizontal and vertical sensitivity, 50 mv per major division; bandpass from DC to beyond 200 kc; sweeps from 3 cps to 50 kc. Uses 3MP CRT. $7 \times 5 \times 11$ ". For 105-125 v., 50-400 cycle AC. Shpg. wt., 10 lbs.

87 FU 400. \$8 Monthly.....NET 149.50

87 FU 401. Model S-14A. Offers 5 mv sensitivity per major division, and sweeps from $\frac{1}{2}$ cps to 50 kc, repetitive or triggered. Size, $7 \times 6 \times 12$ ". Shpg. wt., 16 lbs. \$13 Monthly.....NET 249.00

G-C TEST LEADS AND PRODS



With Kink-less Cables

A 33-452 Test Lead Kit. 6" prods; phono needle tips; spade lugs, alligator clips and phono tip plug fit banana plug end. 1 red; 1 black. 4 oz.

50 F 696.....NET 1.84

B 33-464 Long Reach. 50" cables—5" prod, one end; meter plug, other end. 1 red; 1 black. 4 oz.

50 F 697.....NET PER PAIR 1.23

C 33-470 Stretch. 9" coil extends to 6". 6" handles. Phone tips. 4 oz.

42 F 355.....NET PER PAIR 2.91

D 33-458 6000 v. Insulation. 6" prods; phone tips. 50" leads. 4 oz.

42 F 358.....NET PER PAIR 1.35

E 33-454 Slender Pencil. 5" prods; 50" cable; phone tip. 4 oz.

42 F 356.....NET PER PAIR 73c



F AMF PRO-GLO CONTINUITY TESTER. Checks continuity, shorts, grounds and opens. Dim light indicates poor connection—no light when resistance exceeds 2 ohms. $5 \frac{1}{4} \times 3 \frac{1}{4}$ " dia. With bulb and standard penlight cell. 2 oz.

78 F 052.....NET 99c

G G-C NEO-O-LITE. Neon glow tester.

Indicates from 60 v. AC and 90 v. DC to 500 v. AC-DC. Finds hot AC leads, checks continuity, etc. 5" leads; 3 oz.

78 F 055.....NET 44c



ALLIED

you more for your money in
PUBLIC ADDRESS
COMPONENTS AND SYSTEMS

Enjoy These Buying Advantages:

KNIGHT P.A. ... *first choice*
for performance and value!

- Your Best P.A. Buy—More Watts Per Dollar
- Advanced Circuit Design—Newest Styling
- Underwriters Laboratories Approved
- Satisfaction Guaranteed or Your Money Back
- Unconditional One-Year Guarantee

KNIGHT amplifiers give you more: larger transformers for better response, exclusive impedance selectors simplify speaker hook-up, special circuits to reduce feedback and avoid trumpet burnout. 25-volt output eliminates need for conduit. Look to Knight for the best in value, performance and reliability!

LARGEST SELECTIONS

Choose from our own Knight components, and other top names representing every type of sound equipment you require.

SELECT YOUR SYSTEM

Send a list of components you need to our Audio Div. We'll review it for proper matching, then rush you a special money-saving system price quotation.



FREE CONSULTATION

Want us to plan your system? Just tell us if ambient noise will be low, average or high; approx. crowd size; include a sketch of area with dimensions.



Professional
50-WATT
Amplifier



U. L. Listed

KNIGHT "PROFESSIONAL" HIGH-FIDELITY P.A. AMPLIFIER

Only
\$129⁵⁰
 \$7 Monthly

- 4 Locking, Broadcast-Type Mike Inputs
- Master Gain, Separate Bass and Treble
- Calibrated Sound-Level Meter
- Output Jack for Direct Tape Recording

A professional-quality 50-watter for use where maximum audio fidelity is required. Highlights include: full mixing of 4 mikes; remote mixing facilities, and sockets for plug-in low-impedance mike transformers (see below); balance controls for output tubes and hum; boost and cut-type tone controls; anti-feedback control; pilot light. Output jack permits simultaneous recording. Aluminum and black. Size, 6 1/4 x 17 1/4 x 11". U.L. Approved. Made in U.S. For 110-120 v., 60 cycle AC. 29 lbs.

- 57 DU 005-J.** \$7 Monthly..... **ONLY 129.50**
- 57 D 010.** Plug-In Low-Impedance Transformer. For 50 to 600-ohm mikes. Shpg. wt., 1 lb..... **ONLY 13.50**
- 57 D 011.** 3-Channel Remote Mike Mixer. For KN-3050 only. Operates at up to 100-ft. away. Supplied with 50-ft. cable. 5x2 1/2 x 1". Shpg. wt., 1 1/2 lbs..... **ONLY 12.75**

KN-3050 SPECIFICATIONS

- Power:** 50 watts (100 watts peak).
- Response:** ±1 db, 30-20,000 cps (at rated output).
- Inputs:** 4—Mic; 2—Aux (high-level Phono, Tuner or Tape Recorder); Mag Phono.
- Controls:** 4—Mic; 2—Aux; Bass; Treble; Master Gain; Anti-Feedback; Local/Remote Mike-Control Adapter switch; Output Tube Balance; Hum Balance; Meter Calibration switch; On-Off.
- Hum and Noise:** 75 db below rated output.
- Input Required for Rated Output:** Mic, .006 v.; Aux, .25 v.; Mag Phono, .012 v.
- Outputs:** 4, 8, 16 ohms; 25 and 70.7 volts; Tape Recording Output.
- Tubes:** 2—6CA7/EL34; 4—12AX7; 6AV6; 5V3 rect.
- Power Consumption:** 160 watts at 120 volts, 60 cycle AC.

Purchase Knight P. A. With Your Allied Credit Fund—Enjoy More Buying Power

KNIGHT PA.

10 WATTS



KN 3210

New Advanced-Design 10-Watt P.A. Amplifier

\$29⁷⁰

\$5 monthly

- Our Lowest-Priced Public Address Amplifier
- Excellent for High-Quality Coverage In Quiet Areas
- Handy "Quick-Change" Output-Impedance Selector
- Inverse Feedback Circuit for Lower Distortion

The KN-3210 is an outstanding amplifier value for use in medical clinics, dining rooms, or any area of up to 5000 square feet. Newly designed, it gives you full-fidelity P.A. coverage, at minimum cost, in *all* low-power applications. Highlights include: "Quick-Change" octal selector plug that lets you instantly choose the output impedance you need; simple 2-screw output terminal for easy speaker connection; a true inverse feedback circuit for a pleasing wide-range frequency response plus greatly reduced hum and distortion; a master tone control for easy setting of tonal emphasis on both mike and auxiliary inputs; constant-voltage outputs at both 25 and 70.7 volts; and a convenient pilot light. The compact 5x12 1/2x10 1/4" case has black and aluminum finish. For 110-120 volts, 60 cycle AC. Unconditionally guaranteed for one full year. Made in U.S. Shpg. wt., 12 lbs.

57 DX 001-J. \$5 Monthly ONLY 29.70

KN-3210 SPECIFICATIONS

- Power: 10 watts (20 watts peak).
- Response: ± 2 db, 40-20,000 cps.
- Inputs: Mic; 2—Aux (Phono, Turntable or Tape Recorder).
- Controls: Mic; Aux Fader; Master Tone; On-Off.
- Gain: Mic, 116 db; Phono, 75 db.
- Hum and Noise: 66 db down.
- Input Required for Rated Output: Mic, .015 v.; phono, 0.75 v.
- Output: 4, 8, 16 ohms; 25 and 70.7 volts.
- Tube Complement: 12AX7A; 6L6-GC; 6CA4 rectifier.

10-Watt Systems Featuring the All-New KNIGHT KN-3210 Amplifier



Knight KN-3210 Amplifier

As Low As
\$44⁹⁵

A COVERS UP TO 500 PERSONS



Argos Baffle and 8" Speaker



Astatic Mike

A LOW-COST INDOOR SYSTEM—SAVE \$5.0

Splendid for quiet areas. Offers excellent fidelity. Includes: Knight KN-3210 Amplifier; Argos WB-8C Wall Baffle and 8" Speaker; Astatic JT-30 Mike and Stand; 50' Speaker Cable. Baffle comes in blonde or walnut—specify. Shpg. wt., 22 lbs.

20 PA 751. \$5 Monthly Specify Finish ONLY 44.95

20 PA 752. As above, but with 2 speaker-baffles. System price saves you \$6.96. Wt., 27 lbs. ONLY 52.50

20 PA 753. Like 20 PA 751 above, but with Knight KN-80 trumpet instead of Argos. Ideal for indoor-outdoor spot coverage in noisy areas. Save \$3.07. Wt., 21 lbs. ONLY 52.95

20 PA 754. As above, but with 2—KN-80's. Save \$3.57. Shpg. wt., 25 lbs. \$5 Monthly ONLY 67.95



Knight KN-3210 Amplifier

\$51⁹⁵
\$5 monthly

B COVERS UP TO 500 PERSONS



Case-Speaker



Astatic JT-30 Mike

B PORTABLE SYSTEM—SAVE \$5.77

Our lowest-priced and most compact portable sound system. Combines genuine lightweight design and easy set-up with "big sound." Gives full-fidelity audio reinforcement for small combos, sales demonstrations, indoor sports events and other activities. System includes: Knight KN-3210 Amplifier; Combination Baffle-Carrying Case with Heavy-Duty 8" Speaker; Astatic JT-30 Mike and 8' Cord; 50' Speaker Cable. Speaker has "whizzer" cone for extended treble response. Carrying case holds the entire system, including cable. Allied's system discount gives you big savings off catalog prices. Shpg. wt., 28 lbs.

20 PA 755. \$5 Monthly ONLY 51.95

KNIGHT P.A.**20
WATTS****KN
3220****OPTIONAL
PHONO TOP**

New Value-Packed 20-Watt P. A. Amplifier

\$41⁵⁰**\$5 monthly**

- Outstanding Buy for Medium-Power Applications
- High-Efficiency Circuit for More Watts per Dollar
- "Quick-Change" Plug for Instant Impedance Changes
- Inverse Feedback Circuit for Highest-Fidelity

The new KN-3220 gives you more power, more features and more quality than any other comparably priced P.A. amplifier. The 30-20,000 cps audio response gives crystal-clear coverage in any medium-size area. Sound quality is even further improved by an inverse feedback circuit that assures extremely low hum and distortion levels. Also: noise-free Amphenol 75MCIF mike connectors; handy octal impedance-selector plug; master tone control that operates on both mike and auxiliary inputs; handsome black and aluminum finish. 5x12 1/2 x 10 1/2". Unconditionally guaranteed for one year. U.L. Approved. For 110-120 volts, 60 cycle AC. Made in U.S. Shpg. wt., 25 lbs.

57 DU 002-J. \$5 Monthly **ONLY 41.50**

57 DX 006-J. KN-3201 Phono Top for Above. Plays at all 4 speeds. Attaches with a screwdriver. Completely assembled. 4 lbs. **\$5 Monthly** **ONLY 17.95**

KN-3220 SPECIFICATIONS

- Power:** 20 watts (40 watts peak).
Response: ±2 db, 30-20,000 cps.
Inputs: Mic; 2—Aux (Phono, Tuner or Tape Recorder).
Controls: Mic; Aux Fader; Master Tone; On-Off.
Gain: Mic, 126 db; Aux. 83 db.
Hum and Noise: 75 db down.
Input Required for Rated Output:
 Mic, .0065 v.; Aux., 0.45 v.
Output: 4, 8, 16 ohms; 25, 70.7 v.
Tube Complement: 12AX7A; 6AV6; 2—7189; 6CA4 rectifier.

20-Watt Systems Featuring the All-New KNIGHT KN-3220 Amplifier

A PORTABLE SYSTEM—SAVE \$15.31

One of the most versatile P.A. systems we have ever offered. Packs enough power to cover most medium-size areas, indoors or out—light enough to carry anywhere. Our system price gives you big savings over the cost of the components purchased separately. System includes: Knight KN-3220 Amplifier; two Utah 12" Speakers installed in a Carrying Case that separates into two separate baffles; Electro-Voice 727SR Desk Mike with Floor Stand Adapter; Atlas Floor Stand; 2—50' Speaker cables. Mike has a 60-8,000 cps response; includes 10' cord and on-off switch. Set-up is fast and simple, even for those with no technical knowledge. Case accommodates all components. Shpg. wt., 67 lbs.

20 PA 758. \$5 Monthly **ONLY 82.50**

Knight KN-3220
Amplifier**FOR MEDIUM-SIZE AREAS**

Case-Speakers

E-V Mike

Floor Stand

\$82⁵⁰**\$6 monthly****B TOP-BUY INDOOR SYSTEM—SAVE \$11.30**

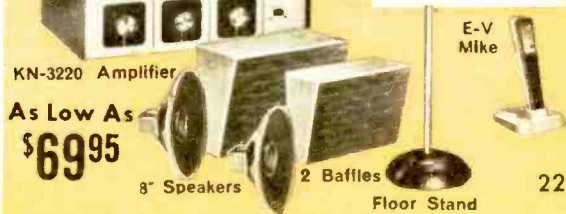
A fine choice for average-size auditoriums or churches. Big savings off catalog prices, too. Includes: Knight KN-3220 Amplifier; 2—Deluxe Argos Wall Baffles with 8" Speakers; Electro-Voice Model 727SR Desk Mike with Floor Stand Adapter; Atlas Floor Stand; and 2—50' Speaker Cables. Wood baffles come in blonde or walnut—specify. Baffles include hardware for easy mounting. Mike has 5' cord and an on-off switch. Shpg. wt., 44 lbs.

20 PA 756. \$5 Monthly Specify Finish **ONLY 69.95**

20 PA 757. As above, but 12" speakers in place of 8". Save \$13.67. 47 lbs. **Specify Finish** **ONLY 75.50**



KN-3220 Amplifier

FOR AVERAGE AUDITORIUMS

E-V Mike

**As Low As
\$69⁹⁵**

8" Speakers

2 Baffles

Floor Stand

221



35 WATTS

NEW KN-3235 GENERAL PURPOSE AMPLIFIER

Only
\$52⁵⁰

\$5 monthly

- Superior Tone and Sound Quality
- Master Tone Compensation Control
- 25-Volt Output—No Need for Conduit
- Special Anti-Feedback Control

Combining power with versatility, the new model KN-3235 is perfect for music, paging, general coverage under high-noise conditions and a multitude of other uses. Features: Low frequency filter that serves as anti-feedback control—also serves as trumpet-diaphragm protector; instant speaker impedance matching—simply adjust the special selector; inverse feedback for superior audio quality and tone; 25 and 70.7—volt outputs for using up to 70 speakers. 5x15 1/2 x 10 1/2". Styled in black and silver. U.L. Approved. For 110-120 v., 60 cycle AC. Made in U. S. 28 lbs.

57 DU 003-J. \$5 Monthly ONLY 52.50

KN-3235 SPECIFICATIONS

- Power Output: 35 watts (70 watts peak).
- Frequency Response: ± 2 db, 30 to 20,000 cps.
- Inputs: 2—Mic; 2—Aux (Phono, Tuner or Tape).
- Controls: 2—Mic; 1—Aux Fader; 1—Master Tone; Anti-Feedback; On-Off Power Switch.
- Gain; Mic, 132 db; Aux, 89 db.
- Hum and Noise Level: 70 db below rated output.
- Input Voltage for Rated Output: Mic, 4.5 millivolts; Aux, 0.28 Volts.
- Outputs: 4, 8, 16 ohms; 25 and 70.7 volts.
- Tubes: 2—12AX7A; 1—6AV6; 2—6L6GC; 1—5AS4.
- Power Consumption: 110 watts at 120 volts AC.

OPTIONAL PHONO TOP FOR KN-3235

MODEL KN-3201. Plays all 4 speeds manually. Turnover cartridge. Attaches easily with just a screwdriver. 5 1/2 lbs.

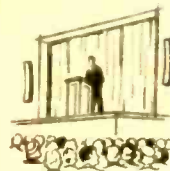
57 DX 006-J. ONLY 17.95



INDOOR "SOUND COLUMN" SYSTEMS



E-V LR-4 Speaker



COVERS UP to 10,000 SQ. FT.

SYSTEM PRICE

\$143⁹⁵

\$8 monthly



E-V 664 Mike



Atlas Desk Stand



Atlas Floor Stand

SYSTEM PRICE SAVES YOU \$35.26

Carefully selected for maximum performance, this excellent 35-watt system is tailored for average-size auditoriums, churches or gymnasiums. Consists entirely of big-name components. Overcomes noise levels . . . provides pleasing, high-quality voice and music reproduction to entire audience. Includes: Knight KN-3235 35-Watt Amplifier; E-V 664 Wide-Range Dynamic Mike; Atlas MS-10C Mike Floor Stand and DS-7 Desk Stand; E-V LR-4 Line Radiator with 50-ft. Speaker Cable. LR-4 speaker gives broad, even sound coverage in the most difficult installations. Microphone has 40-15,000 cps response. Wt., 67 lbs.

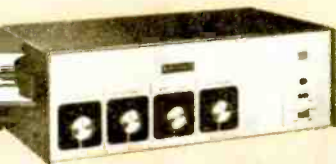
20 PA 761. \$8 monthly. ONLY 143.95

20 PA 762. Same as above, but with 2—E-V LR-4's for increased coverage. 89 lbs. Save \$51.83. **ONLY 195.00**

20 PA 763. Same as 20 PA 761 above, but with Vega Wireless Microphone System in place of E-V 664. Vega features complete freedom of movement—no cables. Hides easily beneath coat or gown. Includes receiver and lavalier mike/transmitter. 72 lbs. Save \$80.87 **ONLY 595.00**

35-Watt Quality Systems for Most P.A. Applications

PORTABLE P.A. SYSTEMS



**Knight KN-3235
35-Watt P.A.
Amplifier**



**E-V
951
Mike**



**Two Heavy-Duty
12" P.A. Speakers with
Portable Carrying Case**



**Atlas
Floor
Stand**

SYSTEM PRICE

\$109⁹⁵

\$6 monthly

COVERS UP TO 2000 PERSONS



**For Outdoor
Events**



**Factory
Programming**



**Indoor
Meetings**

SYSTEM PRICE SAVES YOU \$19.15

Complete 35-watt portable sound system that sets up in just a few moments—then after using, neatly packs away just as quickly. Just right for traveling dance bands, vocal groups, etc. You get: Knight KN-3235 35-Watt Amplifier; E-V 951 Crystal Cardioid Mike; Atlas MS-10C Mike Floor Stand; Two Utah Heavy-Duty 12" P.A. Speakers with 50-ft. Cables; Speaker-Amplifier Carrying Case. Case separates into two individual baffles when opened; attractive blue-green and ivory leatherette covering. 24x18 $\frac{1}{4}$ x12 $\frac{1}{4}$ ". All components made in U. S. Shpg. wt., 69 lbs.

20 PA 759. \$6 Monthly. ONLY 109.95

DELUXE VERSION OF ABOVE. System plan saves you \$22.44. Consists of: Knight KN-3235 35-Watt Amplifier with Charcoal Carrying Case; E-V 664 Wide-Range Dynamic Mike; Atlas DS-7 Mike Desk Stand; MS-10C Mike Floor Stand; Two 12" Full-Range Coaxial Speakers with 50-ft. Cables and Carrying Case. A carefully balanced audio distribution system—ideal for music or voice reproduction. Amplifier case, 12x16x9 $\frac{1}{4}$ ". Speaker case, 20x16x13 $\frac{3}{4}$ ". Shpg. wt., 78 lbs.

20 PA 760. \$7 Monthly. ONLY 132.95

INDOOR SYSTEMS



KN-3235



**12" Speakers
and Baffles**



E-V 729SR



**Atlas Floor
Stand**

**COVERS UP TO
2000 PERSONS**

SYSTEM PRICE **\$94⁵⁰**

SYSTEM PRICE SAVES YOU \$9.16

Dependable performer for use throughout offices, stores, halls, school recreation rooms, etc. System sets up with a minimum of time and effort. Provides clear voice reproduction for paging and has provision for easy addition of extra speakers and other sound sources—radio, tape recorder or record player—whenever you wish. Includes: Knight KN-3235 35-Watt Amplifier; E-V 729SR Ceramic Mike with Desk Stand; Atlas MS-10C Mike Floor Stand; Two Argos "Thinline" Wall Baffles with Jensen 12" Heavy-Duty Speakers and 50-ft. Cables. Baffles in blonde or walnut finish—specify choice. Wt., 57 lbs.

20 PA 764. \$5 Monthly. Specify Finish. ONLY 94.50

ALTERNATE SYSTEM. Save \$15.89. You get: Knight KN-3235 35-Watt Amplifier; E-V 664 Wide-Range Dynamic Mike; Atlas DS-7 Desk Stand; 4—Utah 70.7-Volt 8" Speaker-Baffles. Mahogany or Blonde. Less cable, 73 lbs.

20 PA 765. \$8 Monthly. Specify Finish. ONLY 159.50

20 PA 766. As above, but with Shure 520SL Paging Mike in place of E-V mike and stand. 63 lbs. **ONLY 129.95**

OUTDOOR SYSTEMS



KN-3235

3—E-V 844's

SYSTEM PRICE

\$119⁹⁵

\$6 monthly



Shure 520SL



**COVERS UP TO
100,000 SQ. FT.**

SYSTEM PRICE SAVES YOU \$23.33

Provides exceptional full-range coverage where large indoor or outdoor areas must be blanketed with sound. Includes: Knight KN-3235 35-Watt Amplifier; Shure 520SL Grip-to-Talk Mike; 3—E-V 844 Weatherproofed Speakers with 50-ft. Cables. Shpg. wt., 61 lbs.

20 PA 767. \$6 Monthly. ONLY 119.95

MUSIC-QUALITY SYSTEM. Save \$41.11. Knight KN-3235; E-V 664 Dynamic Mike; Atlas MS-10C. DS-7 Floor and Desk Stands; 2—E-V 848 Projectors. 75 lbs.

20 PA 768. \$9 Monthly. ONLY 167.50

KNIGHT P.A.

75-Watt P.A. Equipment.



KN
3275

75 WATTS

NEW KN-3275 DELUXE AMPLIFIER

- Only \$82⁹⁵**
- Special Anti-Feedback Control
 - 25 Volt Output—No Conduit Needed
 - Separate Bass and Treble Controls
 - "Quick-Change" Impedance Selector
- \$5 monthly**

Newly designed to give you more for your P.A. dollar, we enthusiastically recommend the KN-3275 for use in stadiums, factories and large auditoriums—or anywhere maximum coverage is essential. Highlights: switch that filters out low frequencies to virtually eliminate acoustical feedback, and also guard against trumpet-diaphragm burnout; "quick-change" selector that lets you choose output impedance instantly; inverse feedback circuit for superior audio quality; noise-free Amphenol 75MCIF mike connectors; full-range response. Black and aluminum finish. 5x15 1/4 x 10 1/4". U.L. Approved. For 110-120 v., 60 cycle AC. Made in U.S. Shpg. wt., 39 lbs.

57 DU 004-J. \$5 Monthly. ONLY 82.95

KN-3275 SPECIFICATIONS

- Power Output:** 75 watts (150 watts peak).
- Frequency Response:** ±2 db, 30-20,000 cps.
- Inputs:** 2—Mic; 2—Aux (Phono, Tuner or Tape)
- Controls:** 2—Mic; Aux Fader; Bass; Treble; Anti-Feedback; On-Off.
- Gain:** Microphone, 139 db; Aux., 97 db.
- Hum and Noise:** 70 db below rated output.
- Input Voltage for Rated Output:** Mic, .0028 volts; Aux., .20 volts.
- Outputs:** 8, 16 ohms; 25 and 70.7 volts.
- Tubes:** 2—12AX7A; 6AV6; 2—6CA7; 5AS4A; 5Y3GT.
- Power Consumption:** 180 watts at 120 v. AC.

4-SPEED PHONO TOP FOR KN-3275

MODEL KN-3201. Plays at 16 2/3, 33 1/3, 45 and 78 rpm. Assembled—attaches with screwdriver. With cartridge. 5 1/2 lbs.

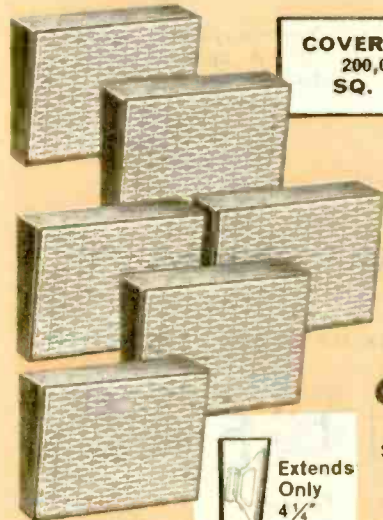
57 DX 006-J. ONLY 17.95



75-WATT INDOOR P.A. SYSTEM

COVERS UP TO 200,000 SQ. FT.

Astatic 200-S Microphone



6—Argos/Jensen Speaker-Baffles



Extends Only 4 1/4"

SYSTEM PRICE

\$174.95

\$9 monthly

SYSTEM PRICE SAVES YOU \$10.58

Engineered to give you highest-quality reproduction of both voice and music in unusually large or noisy offices, auditoriums, restaurants and similar applications. Power-packed and ready for easy expansion, there's hardly an indoor audio job this deluxe system cannot handle!

You save \$10.58 over the cost of the components purchased separately. Includes: Knight KN-3275 75-Watt Amplifier; 6—Argos "Thinline" Wall Baffles with Jensen 8" Speakers, 70.7-Volt Line Transformers and L-Pad Volume Controls installed; Astatic 200-S Mike with Stand and 8-Ft. Cord. Less speaker cable (facing page). Attractive baffles come in blonde or walnut finish—specify.

Handy screw terminals permit fast speaker hookup; just hang them on the wall and connect wiring with a screwdriver—no soldering. Built-in line transformers end impedance-matching problems—adding extra speakers is easy. L-pads control volume of each speaker individually. Mike has on-off switch. Shpg. wt., 72 lbs.

20 PA 769. \$9 Monthly. Specify Finish ONLY 174.95

Designed to Meet Every High-Power Application

75-WATT DIRECTIONAL SYSTEM



**Knight
KN-3275
Amplifier**



**3—Electro-Voice
848 CDP Coaxial
Projectors**



**Astatic 335H
Dynamic Mike
and Stand**

SYSTEM PRICE
\$199.50
\$10 monthly

COVERS UP TO 50,000 PERSONS



**For Outdoor
Stadiums**

**... Noisy
Factories**

**... Indoor
Arenas**

SYSTEM PRICE SAVES YOU \$46.00

Especially selected to provide maximum intelligibility of speech over an extremely wide area, even under high ambient noise levels, indoors or out. Fine for music, too—the dual-horn coaxial speakers have a frequency response from 175 to 10,000 cps.

By purchasing the full system, you save \$46.00 over the cost of the same components purchased separately. System includes: Knight KN-3275 75-Watt Amplifier; 3—E-V Model 848 CDP Projectors; and Astatic 335H Dynamic Mike with convenient Swivel-Type Desk Stand. Less speaker cable (see below at right).

The weather proof projectors may be mounted horizontally or vertically, for augmented sound dispersion. Feature virtually indestructible spun fiberglass construction. Deluxe gray and chrome mike has a 60-12,000 cps response; includes an on-off switch; desk stand; lavalier cord for lapel use; a 1/8"-27 threaded adapter for a conventional floor stand; and an 8-ft. cable. Speakers have a mesa tan finish. Shpg. wt., 87 lbs.

20 PA 770. \$10 Monthly. ONLY 199.50

75-WATT WIDE-ANGLE SYSTEM



**Knight
KN-3275
Amplifier**



**3—University
Model PH Trumpets
with Model ID-30
Drivers**



**COVERS UP TO
400,000 SQ. FT.**

**Shure 520SL
Grip-to-Talk
Mike on Stand**

AS LOW AS
\$182.95
\$10 monthly

SYSTEM PRICE SAVES YOU \$25.68

Excellent for P.A. applications where deep sound penetration with a narrow distribution angle is required, or for paging where extremely high noise levels must be overridden. Drivers are hermetically sealed for indoor or outdoor use in any climate. Allied's system price saves you \$25.68 off regular catalog prices. Includes: Knight KN-3275 Amplifier; 3—University Model PH Trumpets with ID-30 Drivers; and Shure 520SL Mike on Desk Stand. Less speaker cable, below. Trumpets have 85° dispersion angles to assure maximum sound intensity along their axes; frequency response is 150 to 7500 cps. "Dispatcher" mike has grip-to-talk, slide-to-lock bar and a 7-ft. cable. Shpg. wt., 94 lbs.

20 PA 771. \$10 Monthly. ONLY 199.50

ALTERNATE SYSTEM. Save \$41.12. As above, but with Electro-Voice AR-150 trumpets and DC30A drivers in place of University components. Response is 150-10,000 cps. 92 lbs.

20 PA 772. \$10 Monthly. ONLY 182.95

INDOOR AND OUTDOOR SPEAKER CABLE

No. 18 stranded copper wire except *No. 20. POSJ and 8204 have rubber jackets; all others have vinyl jacket coverings. Shpg. wt., 3 lbs./100 ft.

Mfr's Type	25-ft. Coil		100-ft. Coil		Over 100'	
	Stk. No.	NET	Stk. No.	NET	Stk. No.	PER 100'
POSJ	48 T 761	73c	48 T 760	2.70	48 W 763	2.70
POSJ	48 T 771	73c	48 T 770	2.70	48 W 773	2.70
POSJ	48 T 781	73c	48 T 782	2.70	48 W 783	2.70
POT	48 T 765	63c	48 T 764	2.33	48 W 766	2.33
POT	48 T 768	63c	48 T 769	2.33	48 W 767	2.33
POT	48 T 784	63c	48 T 785	2.33	48 W 786	2.33
8205*	47 T 861	81c	47 T 860	2.45	47 W 862	2.45
8204	47 T 640	1.25	47 T 639	3.67	47 W 641	3.67

All Knight P.A. Equipment Is Guaranteed for One Year

KNIGHT P.A.



Great for Boat Hailing,
Marine Patrol Activities,
Ship-Board Entertainment



Ideal for Sound Trucks,
Civil Defense Units, Fire
and Police Vehicles

30 WATTS

KN
3230M

ALL-TRANSISTOR

Mobile Public Address Amplifier

Only
\$69.95

\$5 monthly

- Operates From Any 12-Volt Source
- Only ¼-Amp Idling Current Drain
- Extremely Compact and Lightweight
- Ideal for Autos, Sound Trucks, Boats

A triumph of skillful engineering, the new, ultra-modern Knight KN-3230M All-Transistor Mobile Amplifier provides a full 30 watts of audio power everywhere you go. Operates from any 12 volt DC source—its power cord plugs into cigarette lighter receptacles. Occupies very little space—ideal for autos, trucks, buses, boats, etc. Highly efficient transistor circuit has extremely low battery drain—idling current of only ¼ amp is less than that used by a car's parking lights. At full rated power, uses only 4.5 amps. Lightweight, it sets up in moments—perfect for use in parks, playgrounds, picnic areas, advertising campaigns and sales demonstrations. Size, 3½x10½x6". Black cabinet, aluminum finish panel. Made in U.S. 11 lbs.

57 DX 007-J. \$5 Monthly. ONLY 69.95

57 DX 008. AC Power Supply. Converts KN-3230M for use on 110-125 v., 50-60 cycle AC. Wt., 22 lbs. ONLY 39.50

SPECIFICATIONS

Frequency Response: ±3 db, 100 to 10,000 cps.
Hum and Noise: 67 db down.
Inputs: 1—Mic, 1—Phono.
Controls: Mike Volume, Phono Volume, Master Tone, Off-On and Trumpet Protector Switch.
Impedances: 4, 8 and 16 ohms.
Current Drain: 4.5 Amps at full power; ¼ amp Idling

OPTIONAL PHONO-TOP FOR KN-3230M

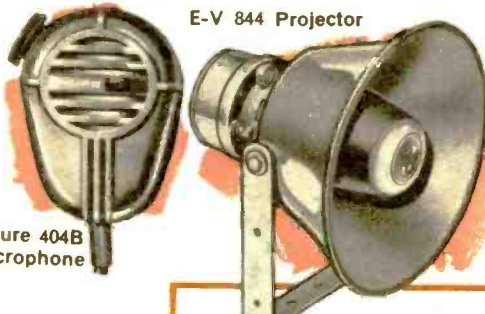


Takes records to 12"; 33½, 45 and 78 rpm speeds. Ceramic flip-over cartridge with sapphire needles. Powered by amplifier; includes cables, plugs, Easy to install. 6 lbs.

57 DX 009-J. ONLY 32.40

HIGH-QUALITY MOBILE SYSTEM

E-V 844 Projector



Shure 404B
Microphone

System Price

\$99.50

\$5 monthly

ALTERNATE SPEAKERS
E-V 848 Weather-proofed Projectors Made of Spun Fiberglass



SYSTEM PRICE SAVES YOU \$11.31

Get top-notch mobile performance and reliable sound coverage with this great system. It's the perfect set-up for political campaigning, outdoor rallies, advertising and all outdoor activity. Operates from 12 VDC in cars, trucks and boats. System includes: Knight KN-3230M All-Transistor 30-Watt Mobile Amplifier; Shure 404B Controlled Magnetic Microphone and Cable; Electro-Voice 844 Paging Speaker with 25 Feet of Cable. Shure's microphone is ideally suited for outdoor P.A. work—combines rugged construction with excellent speech intelligibility. Has push-to-talk switch. E-V's 844 speaker will handle 30 watts of material with good response; aluminum horn. 21 lbs.

20 PA 773. \$5 Monthly. ONLY 99.50

OPTIONAL SYSTEM. SAVE \$16.32! As above, but with 2 E-V 844 Paging Speakers, for increased coverage. 29 lbs.
20 PA 775. \$6 Monthly. ONLY 115.95

ALTERNATE SYSTEM. SAVE \$31.42! As above, but with 2 E-V 848 Projectors. Weather-proofed fiberglass. 43 lbs.
20 PA 774. \$8 Monthly. ONLY 154.95

Transcription Players by *Bogen*

Portable VP Series



Models VP20
and VP40

Model VP10

VP20 TRANSCRIPTION PLAYER
Includes B50 hi-fi player in a "Break-apart" design—one side of case has amplifier/player; other has one 12" heavy-duty speaker, and 25-ft. cable. See other features below, right. 16½x15¼x12¼". For 117 v., 60 cycle AC. 40 lbs.
57 SU 344. \$9 Monthly. NET 140.90

VP40 TRANSCRIPTION PLAYER
Features B50 hi-fi player with a 40-watt P.A. system. Player and amplifier are housed in one case, 18½x16½x8½"; two heavy-duty 12" speakers with 25-ft. cables are in a matching case, 16x15¼x11½". For 117 v., 60 cycle AC. 55 lbs.
57 SX 343-2. \$11 Monthly. NET 204.95

SCC-12 SPEAKER CASE. For use with VP20 or VP40 players. Includes two 12" speakers with 25-ft. cables in "Break-apart" case. Forms two separate speaker units. Gray and black vinyl fabric covered. Size, 16x15¼x11½". Wt., 18 lbs.
57 SX 342. \$5 Monthly. NET 54.90

NEW VP10 RECORD PLAYER
Budget-priced 10-watt portable phonograph amplifier perfect for schoolroom or dance class. Uses B41 4-speed player for up to 12" discs. 16, 33, 45 and 78-rpm speed is 5% adjustable. Amplifier has high-impedance mike input; separate bass and treble controls; mike and phono level control. 12" speaker with 25-ft. cable mounted in cover. Black and gray. 15½x14x11½". For 117 v., 60 cycle AC. 26 lbs.
57 SU 345. \$5 Monthly. NET 96.90

FEATURES OF THE VP20/VP40 SERIES PLAYERS

HI-FI PLAYER. Less than .5% wow and flutter; takes up to 16" discs; 4-pole shielded motor; G.E. magnetic cartridge; arm pressure adjust.

VARIABLE SPEED. From 29 to 85 rpm; click-stop positions for 16, 33, 45 and 78-rpm on control.

AUTOMATIC CUEING. Lever for raising or lowering arm at any point on record.

AMPLIFIER RESPONSE. ±1½ db from 50 to 15,000 cps.

INPUTS. Phono (internal connection), Tuner (or Tape Recorder), 2 High Impedance Microphones.

CONTROLS. Master Power, Bass, Treble, Scratch Filter, Volume Input 2, Volume Mic Input, Input 2 Selector, Speech Filter (VP40).

CASE FINISH. Gray and black.



LPC-4

CHB10

RP100

CHB SERIES

Sturdy "Challenger" P.A. Amplifiers and Useful Accessories

CHB10 10-WATT AMPLIFIER
All, economy-priced amplifier features 10-watt output; inputs for phono and microphone; treble tone control; usable for recorded music service. Response: 40-12,000 cps. ±2 db. Gain: Mic, 110 db; Phono, 90 db. Hum and Noise: —75 db. Output Impedance: 4, 8, 16 ohms; 25-volt line. 3 tubes. Gray. 3¾x11½x8½". U.L. Approved. For 105-125 v., 50-60 cycle AC. 12 lbs.
57 SX 353. List, \$64.75. NET 38.85

AT-1 WIRED MUSIC TRANSFORMER. For CHB10 when using Wired Music Service. Gain: .1 v., across 600 ohm line. Response: 50-20,000 cps. Adaptable to other Challenger amplifiers. 8 oz.
57 S 354. List, \$15.65. NET 9.40

CHB14 14-WATT AMPLIFIER. Inputs: 1 Mic; 2 Phono with fader. 4, 8, 16 ohm, 25-volt outputs. 3 tubes, rectifier. For 105-125 v., 50-60 cycle AC. 15 lbs.
57 SX 355. List, \$75.00. NET 45.00

LPC-4 PHONO ATTACHMENT
4-speed, 16, 33, 45, 78 rpm. Fits CHB-14, 35, 50, 100 models. With brackets and hardware. 5x13x9½". 8 lbs.
57 SX 352. List, \$37.75. NET 22.65

RP100BM MONOPHONIC RECEIVER
A 15-watt amplifier, control center, and FM-AM tuner combination—all on a single chassis. Excellent for background music in offices, restaurants, medical waiting rooms, etc. Amplifier response is ±1 db, 20-20,000 cps. FM section has a sensitivity of .5 uv for 30 db quieting at 75 ohm input. Has built-in FM antenna. Tunes AM from 530-1640 kc. Can be used with record player, tape recorder, or mike. Has 25-v. output. 4¾x15x12¼". Less case. For 110-120 v., 50-60 cycle AC. 21 lbs.
57 SX 349. \$10 Monthly. NET 186.60
57 SX 350. Metal Case. 6 lbs. NET 11.95
57 SX 351. Walnut Case. 7 lbs. NET 24.75

CHB100 100-WATT AMPLIFIER
Powerful, ruggedly designed for the most exacting high-level applications. Gives a usable output of 100 watts. Employs negative voltage feedback for better response, lower distortion, and superb regulation. Same inputs and outputs as CHB35 above. Identical characteristics except: Phono Gain, 100 db and Magnetic Gain, 115 db. Uses 7 tubes and silicon rectifier. Gray. 6¾x15¼x6¾". U.L. Approved. For 105-125 v., 50-60 cycle AC. 26 lbs.
57 SX 348. List, \$187.40. NET 112.45

CHB35 35-WATT AMPLIFIER
Excellent value for all medium power P.A. applications. Has 2 mike inputs with individual controls; 2 phono inputs with fader; separate bass and treble controls; master volume control. Magnetic phono can be used in Mic 2 input. Response: 20-20,000 cps, ±2 db. Gain: Mic, 120 db, Phono, 85 db, Magnetic, 100 db. Hum and Noise: —80 db. Output Impedance: 4, 8, 16 ohms; 25 and 70-volt line. 5 tubes; 6CA4 rectifier. Gray. 6¾x15¼x10". U.L. Approved. For operation from 105-125 v., 50-60 cycle AC. Wt., 18 lbs.
57 SX 346. List, \$119.90. NET 71.95

CHB50 50-WATT AMPLIFIER
A fine choice for a wide variety of P.A. applications—requiring great area coverage. Offers the same styling and design features as the CHB35 above, except has increased power and gain. Phono Gain is 95 db, Magnetic, 110 db. 5 tubes and 1 silicon rectifier. Gray. 6¾x15¼x10" U.L. Approved. For 105-125 v., 50-60 cycle AC. 21 lbs.
57 SX 347. List, \$137.40. NET 82.45

Get Your P.A. Gear for No Money Down . . . Use Allied's Credit Fund

Bogen

FLEX-PAK "M" Series P.A. Amplifiers



MXM



MX30; MX60



BT-25

Incorporating all the latest refinements, these amplifiers give you top flexibility. Portable, lightweight units with: leather handles; thumbscrew-fastened, slide-back cases for access to chassis; and write-in space over gain controls. All take Cannon XLR-3-11C mike connectors.

MODEL MXM MIXER-PREAMP

For use in critical P.A. applications, or professional-quality recording on location. Unit includes five independently controlled mike inputs—one converts for use as a phono or tuner input. An accurate level meter permits continuous monitoring of the combined output of all channels in use. Built-in sockets accept plug-in low impedance transformers. Output is high impedance, but may be easily converted to low impedance with T-165B 600-ohm transformer, below, for remote broadcast or recording work. Also includes Hi-Z output for connection to supplementary booster amplifiers. Portable—handy carrying strap is mounted on side.

Among its numerous features are individual speech filters for each channel; variable level markers; and feedback-type, distortion-free tone controls. **Output:** +18 dbm at less than 1% distortion. **Controls:** 5—Gain; 4—Speech Filter; Mike-Tuner-Phono; Bass; Treble; Off-On-Master Gain. Circuit contains eight tubes, plus 6X4 rectifier. **Frequency Response:** ±2 db, 20-20,000 cps. **Hum:** -60 db. 5½x16¼x13". For 110-120 volts, 50-60 cycle AC. Shpg. wt., 21 lbs.

57 SU 310. List, \$246.25NET 147.75

MODEL T-165B OUTPUT TRANSFORMER. Converts output impedance of MXM preamp above, to the 600-ohm broadcast standard. Quickly plugs into chassis socket. Shpg. wt., 1 lb.

57 S 333. List, \$20.00NET 12.00

30-WATT AMPLIFIERS

Both units feature constant-voltage outputs; equalized phono input; separate bass and treble controls; Cannon XL connectors; variable level markers; etc. **Response:** ±2 db, 35-20,000 cps. **Output:** 30 watts at under 2% distortion. **Imp.:** 4, 8, 16 and 163 ohms; balanced 25-volt line, 70-volt line. P.cwr consumption: 150 watts. For 110-120 v., 50-60 cycle AC.

MODEL M330. (Not illus.) Economy-priced. **Hum:** mike, 60 db below rated output. Includes three mike channels (one converts to phono); 6 tubes, GZ34 rectifier. 5½x14¼x13". 29 lbs.

57 SU 309. List, \$193.75NET 116.25

MODEL MX30 DELUXE. For ultimate performance. **Hum:** microphone, 60 db below rated output. Includes four microphone channels (one converts to phono); Master gain control; Is also wired for optional remote control accessory (see table, below). 7 tubes, GZ34 rectifier. Size, 5½x16¼x13". Shpg. wt., 31 lbs.

57 SU 307. List, \$231.25NET 138.75

60-WATT AMPLIFIERS

For P.A. applications requiring great area coverage. Include all features of the 30-watt amplifiers at left—constant-voltage output taps; separate bass and treble controls. Cannon connectors; equalized phono input for all cartridges; plug-in sockets for low-impedance transformers; pencil-in, erase-out identification strips for all channels; same response and hum specifications; etc. **Output:** 60 watts at less than 1% distortion. **Output Impedances:** 4, 8, 16 and 83 ohms; balanced 25-volt line, 70-volt line. Size, 5½x16¼x13". For 110-120 v., 50-60 cycle AC. Shpg. wt., each, 37 lbs.

MODEL M60. Three mike channels (one converts to phono); speech filters; 6 tubes—3—GZ34 rectifiers.

57 SU 308. List, \$236.25NET 141.75

MODEL MX60 DELUXE. Four mike channels (one converts to phono); Master gain control; wired for optional remote control accessory (see table, below); 7 tubes, 3—GZ34 rectifiers.

57 SU 306. List, \$295.00NET 177.00

25-WATT TRANSISTORIZED MOBILE P.A. AMPLIFIER

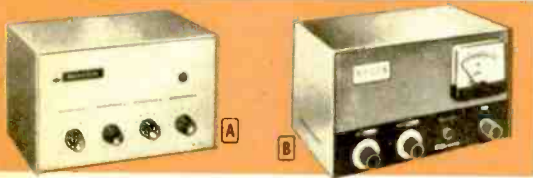
MODEL BT-25. Hum-free, all-transistor amplifier, with the power and facilities for a wide variety of mobile applications. Provides 25-watt output from a 12-volt battery, or 6 watts from a 6-volt battery. Small enough to fit in the glove compartment of an auto, it has inputs for mike and aux.—record player, tuner or tape deck.

Response: (optimized for best intelligibility) 400-6000 cps. **Gain:** 103 db. **Distortion:** below 10% at full output. **Controls:** mike gain; aux. gain; on-off; 6-12 volt selector. **Impedance:** 2-4, 8 or 16 ohms. Inputs are individually controllable. Hand-wired. 6½"x4¾"x3¾". 5 lbs.

57 S 332. List, \$120.00NET 72.00

POWER BOOSTERS

P.A. booster-amplifiers for use where high-power with low distortion is required. An input of 2 volts drives any of the units to full output. Response is 50-20,000 cps at below 2% distortion.



LOW-COST P.A. PREAMPLIFIERS

A **MODEL MX6-A.** Mixes any combination of 4 of its 6 inputs which include 4 high-impedance mike inputs, and 2 tuner-phono inputs. Features a gain control for each input channel, and a cathode-follower output. 5½x8x4¾". For 110-120 volts, 60 cycle AC. Shpg. wt., 5½ lbs.

57 SX 337. List, \$67.50NET 40.50

B **MODEL RP-2.** For use at remote pickup points. Has separate input channels for mike and phono with volume controls for mixing. 5½x11x7¾". Less cage, below. For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.

57 SX 311. List, \$95.00NET 57.00

57 SX 312. Cage and VU Meter for RP-2. 2 lbs.NET 23.25



Stock No.	Model	Watts	Size, HWD	Wt., Lbs.	List	NET EACH
57 SU 313	MO-30	30	7½x17½x6½"	21	\$124.90	74.95
57 SU 314	MO-60	60	7½x17½x6½"	23	172.50	103.50
57 SU 316	MO-100	100	7½x17½x9"	35	215.75	129.45

ACCESSORIES FOR BOGEN P.A. COMPONENTS

Stock No.	Model	Description	Lbs.	List	NET
57 SX 338	LK-2	Control-Guard Locking Plate for MX60, MX30, M60, MXM; includes two keys.	2	\$13.75	8.25
57 SX 339	RPK-4	Rack Panel Mtg. Kit for above. 15x7".	8	21.90	13.15
57 S 340	SR-4	Four-Channel Remote Control.	3	19.90	11.95
57 S 336	T-155	200-ohm mike transformer for Flex-Paks.	1	15.65	9.40
57 S 334	T-156	As above, but 500 ohms.	1	21.25	12.75
57 S 335	T-157	As above, but 50 ohms.	1	18.75	11.25

KN
4500



Includes Desk Stand with Tip-Proof Base

Screw-Type Connector and Phone Plug Adapter are Already Attached—No Soldering!

KN
4550



High Front-to-Back Ratio Sharply Lowers Audience-Noise Pickup

KNIGHT

KN
4510



Stand Optional

SPECIAL!

MIKE and STAND COMBINATION

Order the KN-4510 with desk stand, and get both units for \$9.50. A regular \$10.50 value. Save \$1.00

Get More for Your Money With Top-Quality KNIGHT Microphones

VALUE-PACKED DYNAMIC MIKE

- Only \$22.95
- Plugs Into 90% of All Tape Recorders
- 60-12,000 Cps Range
- With Desk Stand

MODEL KN-4500. An unexcelled microphone value. Includes matching desk stand with base, 10-ft. cord, and a screw-type connector and phone plug already attached. You can instantly connect it to 90% of all tape recorders. Has 3/8"-27 threading to mate with any mike floor stand.

The all-directional pick-up pattern and broad 60-12,000 cps response of the KN-4500 make it splendid for home recording, public address, etc. The moving-coil dynamic element is virtually indestructible and immune to climatic variations, as well as humidity.

Has high-impedance output of -55 db. Styled in gold and black. Mike is 7/8"x1 3/8"; die-cast base has 5/8" dia. Made in U.S. Shpg. wt., 4 lbs.
57 S 220. \$5 Monthly ONLY 22.95

CARDIOID DYNAMIC MIKE

- Only \$34.50
- Super-Cardioid Pattern
- Dual-Output Impedance
- 50-13,000 Cps Range
- Dynamic Element

MODEL KN-4550. A professional-quality dynamic microphone with a cardioid pick-up pattern. High directivity plus a "peak-free" response make this a superb P.A. mike—sharply reduces feedback and unwanted audience-noise pick-up.

Two separately tuned chambers assure a smooth 50-13,000 cps response and consistently excellent directivity—provide marvelous clarity of tone. Tough acoustical diaphragm withstands extremes of heat, cold and humidity.

3/8"-27 threading fits all floor and desk stands. Output, -56 db. Has satin-chrome cast case with on-off switch. 7/8"x1 1/4". Wired for high-impedance; easily changed to low impedance. Less connector. Made in U.S. Shpg. wt., 2 lbs.
57 S 182. \$5 Monthly ONLY 34.50

ECONOMICAL CERAMIC MIKE

- Only \$7.95
- Versatile—Many Uses
- For Hand or Stand Use
- 50-11,000 Cps Range
- 7' Cable and Plug

MODEL KN-4510. Newly designed to give you a budget-priced microphone well-suited for a wide variety of uses. Small and lightweight, it can be hand-held or used on a stand (optional, below). Excellent for home recording, lecturers and paging. Ceramic element is unaffected by temperature and humidity extremes. 5/8"x1 1/4". With 7' cable and phone plug. Made in U.S. Shpg. wt., 2 lbs.
57 S 275. ONLY 7.95

57 S 276. Swivel-Mount Base. For above. Shpg. wt., 2 lbs. **ONLY 2.55**

SPECIAL OFFER. KN-4510 With Base.
57 S 417. BOTH FOR ONLY 9.50

SPECIFICATIONS

- Response: 50 to 11,000 Cps.
- Output: -56 db; High-impedance.
- Coverage Pattern: All-directional.
- Pick-up Element: Ceramic.
- Cable: 7' shielded with phone plug.
- Styling: Brushed chrome with gold-finished wire grille.

NEW LOWEST-COST KNIGHT CRYSTAL MIKE

High-quality at rock-bottom cost. Has shock-mounted crystal element; exceptionally high output of -45 db; 60-8500 cps response; tough plastic case. 2 1/4"x2 7/8"x1". With 5' cable. Less connector. 1 lb.
57 S 166. ONLY 2.59



World-Famous Microphones by TURNER

MODEL 708. A new, deluxe crystal microphone especially designed for tape recording. Neatly fits in your hand or atop table or desk. Has a wide 60-10,000 cps response for lifelike tapes. Output level is -54 db. Die-cast case has an attractive satin-chrome finish. With 6-ft. cable, phono plug and phone-plug adapter. Shpg. wt., 1 lb.
57 S 293. List, \$12.50 NET 7.35

MODEL 58. A dynamic, lavalier mike for use where freedom and mobility are vital. Only 4" long and weighing just 3 1/2 oz., it may be hidden behind necktie or corsage. Response is 60-13,000 cps. Impedance is switchable from 150 ohms to high-impedance. Output (hi-Z) is -60 db. Essentially non-directional. Non-reflecting gray finish. With lavalier assembly and 25-ft. cord. Shpg. wt., 1 lb.
57 S 294. List, \$57.00 NET 33.52

MODEL 350C. Push-to-talk ceramic mike for mobile use. 80-7000 cps. Output, -54 db. High-impedance. With coiled cord that extends to 5'; hangar button; dash bracket. Relay-wired. Plastic case is 3 1/2"x2 1/4"x2". Shpg. wt., 1 lb.
57 S 155. List, \$16.80 NET 9.88
57 S 291. MODEL 355C. Above, but has lever bar switch. Output, -50 db. **NET 7.35**

MODEL 254C. Perfect for CB base stations. Has both touch-bar and Lever-Lock on-off switches. Same specs as 350C above. 7-ft. cable. Shpg. wt., 2 1/2 lbs.
57 S 165. List, \$23.50 NET 14.10
57 S 292. MODEL P254C. As above, plus push-to-talk button. **NET 15.29**
57 S 119. MODEL 250. Like 254C, but dynamic-type, and with lift-to-talk feature. 60-10,000 cps. 20' cable. **NET 29.11**



7 Ways Easier—7 Ways Better—Allied's Credit Fund Plan

Electro-Voice

NEW! MODEL 633 MICROPHONE



Net
\$20⁵⁸

- Wide-Range Response
- High Output Level
- On-Off Switch, 6' Cable

A modern design dynamic microphone at a modest price. For P.A. use, home recording, etc. Non-directional pickup pattern and wide range response of 70 to 10,000 cps assure excellent results. Output, -57 db. Two-tone case of chrome-plated zinc and high-impact gray plastic. 4 3/8 x 1 1/2". 6-ft. cable, 3/8"-27 thread. Wt., 1 lb.

57 S 265. 150-Ohm Impedance.

57 S 407. High-Impedance.

List Each, \$35.00. . . . **NET EACH 20.58**



- Ideal for Tape Recording
- 40 to 15,000 cps

664



- "Sound Spot" Design
- Easy-to-Position
- Tops for Outdoors

644

Top-Quality Dynamic Microphones



630



636



623



647A

MODEL 664 VARIABLE "D." This skillfully designed, ruggedly constructed mike is a superb performer. Picks up from front only—provides high front-to-back discrimination against unwanted sounds, without close-talking boominess—variable distance construction produces cardioid pattern.

Provides natural reproduction of voice and music—increases working distance from microphone—provides greater protection against feedback problems. Equipped with "pop-proof" wire mesh grille to minimize wind and breath blasts.

Response from 40 to 15,000 cycles. Output -55 db. 150-ohm and high-impedance output. Supplied wired for hi-Z. 3/8"-27 thread. Cast zinc case, finished in chrome. With on-off switch; detachable, 18-ft. 2-conductor cable. Dia., 1 1/2"; 7 3/8" long. Shpg. wt., 2 lbs.

57 S 241. List, \$85.00. . . . **NET 49.98**

MODEL 664G. As above, but gold finished.

57 S 261. List, \$90.00. . . . **NET 52.92**

MATCHED MIKES. Two chromed 664's for stereo recording. Factory matched at no extra cost. 4 lbs.

57 S 262. . . . **NET PER PAIR 99.96**

MODEL 644. A highly directional dynamic that lets you stand 4 times as far away as you would with ordinary mikes. Combination cardioid and distributed-front opening give greatly extended frontal pickup. Above 700 cps, sound rejection at sides and rear is 20 to 25 db. Reduces reverberation and feedback near the vanishing point, and lessens wind noise and mechanical shock. Output, -53 db. 150-ohm or high-impedance selected by changing MC4M connector. On-off switch. Die-cast satin-chromed case with 3/4" aluminum tube. Dia., 2 3/8"; 16" long. 3/8"-27 thread. 18-ft. 2-cond. shielded cable. Shpg. wt., 3 lbs.

57 S 121. List, \$110.00. . . . **NET 64.68**

MODEL 630. Popular dynamic mike for dispatching, tape recording and general usage. Has non-directional pattern becoming directional at high frequencies. May be mounted on floor or desk stand and tilted through 90° arc toward sound source, or hand-held. "Acoustalloy" diaphragm has 60-11,000 cps response. Output, -55 db. 150-ohm unit has 18-ft. 2-cond. shielded cable; hi-Z unit has 1-cond. cable. On-off switch. Chrome-plated. 6 1/2 x 2". 3/8"-27 thread. 2 lbs.

57 S 227. 150-Ohm Impedance.

57 S 226. High-Impedance.

List Each, \$52.50. . . . **NET EACH 30.87**

MODEL 636 "SLIMAIR." For P.A. use and tape recording of individual and group performers. Wire mesh blast-filter. 90° swivel. 60-13,000 cps. 150-ohm or high impedance (supplied wired for hi-Z). Output, -58 db. Chrome-plated steel case. 1 1/2" dia., 10 1/2" long. 3/8"-27 thread. On-off switch. With detachable, 18-ft. 2-cond. cable. 2 lbs.

57 S 244. List, \$72.50. . . . **NET 42.63**

MATCHED MIKES. Two Model 636's for stereo recording. 4 lbs.

57 S 263. . . . **NET PER PAIR 85.26**

MODEL 623. 60-12,000 cps. -50 db. 150-ohm or high-impedance output (supplied wired for hi-Z). On-off switch. Chrome-plated. Dia., 1 3/8"; 7 1/2" long. 3/8"-27 thread. 18-ft., 2-cond. cable. 2 lbs.

57 S 250. List, \$57.00. . . . **NET 33.52**

NEW MODEL 647A. Small, all-directional lavalier mike—great wherever concealment, mobility or free use of hands is desired. Weighs only 2 oz. 60-12,000 cps. Output, -58 db. 150-ohm or high-impedance output (supplied wired for hi-Z). TV gray. 2 1/2 x 3/4". With neck cord. 18-ft. 2-cond. cable. 1 lb.

57 S 264. List, \$82.50. . . . **NET 48.51**

ELECTRO-VOICE MICROPHONE ACCESSORIES



MODEL 419 DESK STAND. For use with 665, 664 and 644 mikes. Wt., 3 lbs.

57 S 209. List, \$10.00. . . . **NET 5.88**

57 S 197. Model 418 Desk Stand. Similar to above, but for 951, 636, 630 and 623 mikes. 4 lbs. List, \$10.00. . . . **NET 5.88**

MODEL 420 DESK STAND. For mounting 666, 665C, 654A and 647A mikes. 4 lbs.

57 S 196. List, \$20.00. . . . **NET 11.76**

MODEL 428 TOUCH-TO-TALK STAND. Touch-bar on stem actuates SPDT switch. Locking button. 3/8"-27 thrd. 2 lbs.

57 S 195. List, \$17.50. . . . **NET 10.29**

MODEL 300 CLAMP. Illus. with 420. Fits mikes with 1" case dia. 1/2-in. thread with adapter for 3/8"-27 stands. 4 oz.

57 S 258. List, \$10.00. . . . **NET 5.88**

MODEL 513 HIGH PASS FILTER. Rejects unwanted noises below 100 cps. Switched 50, 150, 250 ohm impedances. On-Off switch. 5 1/2 x 2 1/2". Wt., 2 lbs.

57 S 260. List, \$70.00. . . . **NET 41.16**

MODEL 502A MATCHING TRANSFORMER. Not illus. For connecting long-line, low-Z mikes to hi-Z. Connector, 2-ft. cable. 1 lb.

57 S 210. List, \$17.50. . . . **NET 10.29**

Low-Cost Crystal and Ceramic General-Purpose Microphones



951



715

415

Stand

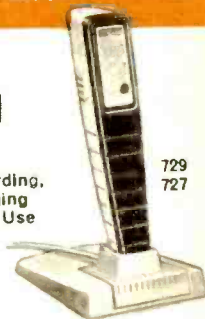


911

MODEL 729 CERAMIC MICROPHONE

Net
\$14.41

- For Recording, P.A., Paging and Ham Use
- Smartly Styled
- Includes Stand



729
727

Exceptionally low-priced cardioid mike. Response, 60-3000 cps. Output, -60 db. High-impedance. Gray die-cast front, plastic back. With desk stand, floor stand adapter, 10-ft. cable. 1 7/8"x7 1/2". Wt., 1 lb.

57 S 173. List, \$24.50 **NET 14.41**

57 S 181. Model 729SR. As above, with On-Off switch. List, \$26.50 **15.58**

MODEL 727 CERAMIC. Similar to Model 729, but all-directional. With desk stand, plus floor stand adapter. Output level, -55 db. 7 1/2"x1 1/2"x1 1/2". 5-ft. cable. 1 1/2 lbs.

57 S 175. List, \$18.00 **NET 10.58**

57 S 257. Model 727SR. As above, with On-Off switch. List, \$20.00 **11.76**

Microphones for Mobile Applications



602
600E



205KK

MODEL 714S
High Output Ceramic Mike



New!
\$9.70

MODEL 951 CRYSTAL. Uses variable "D" principle to achieve cardioid directivity and uniform frequency response. Boasts wide-range reproduction and pop-proof wire mesh grille to minimize wind and breath noises. Uniform polar response makes it highly suitable for noisy locations, or where much echo is present. 50-11,000 cps. Output, -60 db. TV-gray, die-cast case. 1 1/2"x5 3/8". 18-ft. 1-cond. shielded cable. Wt., 1 1/2 lbs.

57 S 218. List, \$54.50 **NET 32.05**

MODEL 715 "CENTURY" CERAMIC. Ideal for home recordings, paging, etc. Resists extremes of temperature and humidity. All-directional. 60-7000 cps. Output, -55 db. High-impedance. 3x2 1/2"x1 1/2". 5/8"-27 adapter. 6-ft. cable. 1 lb.

57 S 245. List, \$13.00 **NET 7.65**

MODEL 715-S. As above, but with push-to-talk switch; has "lock-on" position.

57 S 176. List, \$15.00 **NET 8.82**

MODEL 415 DESK STAND. For "Century" mikes, above. 15° tilt. Satin chrome finish. Shpg. wt., 6 oz.

57 S 194. List, \$1.75 **NET 1.03**

MODEL 911 CRYSTAL. For low-cost P.A. applications, tape recording. Amateur use, etc. All-directional pickup pattern becomes slightly directional at higher frequencies. 50 to 9000 cps. Output, -50 db. High-impedance. Chrome-plated. 2 3/8"x3 1/2"x6 3/8" long. Upright swivel mounting; Off-On switch. 3/8"-27 thread. 18-ft. cable. Shpg. wt., 2 1/2 lbs.

57 S 242. List, \$32.50 **NET 19.11**

MODEL 602 DIFFERENTIAL DYNAMIC. For 2-way radio, mobile P.A. and other uses where noise cancellation and high-articulation for maximum intelligibility are vital. Press-to-talk DPDT switch controls mike and relay. Response, 100 to 7,000 cps. Output, -55 db at 1/2". High-impedance. 6-ft. coiled cord. Black phenolic case. With mtg. bracket. 2 1/2"x2x4". Shpg. wt., 10 oz.

57 S 174. List, \$57.50 **NET 33.81**

MODEL 600E DYNAMIC—LOW-Z. Similar to Model 602 above, but not differential. Impedance, 250 ohms. 10 oz.

57 S 268. List, \$47.50 **NET 27.93**

57 S 267. Model 600E Dynamic—High-Z. As above, but high-impedance. **NET 27.93**

MODEL 205KK—DIFFERENTIAL CARBON. Articulation 97% under quiet conditions; 88% under 115 db ambient noise. Blast-proof; shock-resistant. -50 db at 1/2". 100-4000 cps. DPDT press-to-talk switch. 6-ft. cord. 2 1/2"x2 1/2"x4". Mtg. bracket. 1 lb.

57 S 246. List, \$45.00 **NET 26.46**

NEW MODEL 714S CERAMIC. Designed especially for mobile communications, paging, Ham radio and citizens band use. Response, 60-7000 cps. Output, -55 db. Case of "Cyclocac" plastic for maximum durability. DPST push-button switch. 2 1/2"x1 7/8"x3 3/8". With 10' coiled cable; hang-up button and bracket. Wt., 1 lb.

57 S 167. List, \$16.50 **NET 9.70**

Selected Broadcasting-Quality Dynamic Microphones

MODEL 649B. Only 3x2 1/4"; 1 1/2 oz. 60-10,000 cps. -60 db. 50-250 ohms. 30-ft. 2-cond. cable. 1 lb.

57 S 118. List, \$105.00 **NET 61.74**

MODEL 666. Superior mike with variable "D" design, cardioid pattern. 30 to 16,000 cps. -58 db; adjusts to 50, 150, 250 ohms. 1 3/4"x7 1/2". With adapter for 1/2" and 3/8"-27 stands. 20-ft. 3-cond. cable. 1 lb.

57 S 249. List, \$255.00 **NET 149.94**

57 S 240. Model 665. Similar to above, but 50-14,000 cps. -55 db. 50 or 250 ohms. 1 3/4"x7 1/4". 18-ft. 3-cond. cable and stand adapter. 2 lbs. List, \$150.00 **NET 88.20**

MODEL 655C. Deluxe "Slim-Trim" all-directional. (Only 7 oz.) Breath-blast filter. 40 to 20,000 cps. -55-db. 50, 150 and 250 ohms (supplied wired for 150 ohms). 1 1/2"x10 3/8". With clamp-on adapter for 1/2" and 3/8"-27 stands; detachable, 20-ft. 3-cond. cable. 1 1/2 lbs.

57 S 243. List, \$200.00 **NET 117.60**



649B

666

655C

MODEL 654A MIKE

- Great for Remotes and Studio Use
- Swivel Mount—Tilts 90°

All-directional microphone that performs beautifully in an extremely wide variety of applications. Essentially flat response from 55-15,000 cps. Works into 50-250-ohm inputs. Output, -55 db. With adapter for 1/2" and 3/8"-27 stands and neck cord. 18-ft. 3-cond. cable. 7"x1 1/2". 1 lb.

57 S 117. List, \$100.00 **NET 58.80**



Rugged, General-Purpose Dynamic Microphones

WORLD FAMOUS "UNIDYNE" MICROPHONES



55S
55SW
556S

MODEL 55S DYNAMIC MICROPHONE

Rugged, dynamic mike; withstands severe mechanical shock as well as heat and moisture. Cardioid feature permits placement at a distance from performer 75% greater than all-directional mikes. An ideal singer's or announcer's mike. 50 to 15,000 cps. Switch selects impedances of 35-50, 150-250 ohms, or high-impedance. Output, -57 db at high-imp. Swivel mtg. Chrome. $\frac{5}{8}$ "-27 thread. 18-ft. cable. $7\frac{3}{4}$ " x $2\frac{3}{4}$ " x $3\frac{1}{8}$ ". Shpg. wt., 4 $\frac{1}{4}$ lbs.

57 S 234. List, \$83.00.NET 48.80

MODEL 55SW. As above, but with On-Off switch for added convenience.

57 S 135. List, \$85.00.NET 49.98

MODEL 556S. Deluxe version of 55S. Built to close tolerances for exceptional response (40-15,000 cps), and directivity. Shock mounted. Has Cannon XL-3. 4 $\frac{1}{4}$ lbs.

57 S 235. List, \$135.00.NET 79.38



51
51S

MODEL 51 "SONODYNE." Semi-directional; for recorder and P.A. use. Response 60-10,000 cps. 35-50, 150-250 ohms, and high imp. switch. Output, -52 db. Chrome. Swivel mount. Detachable, 15-ft. cable. $5\frac{1}{8}$ " x $3\frac{1}{8}$ " x $2\frac{1}{8}$ ". Wt., 3 $\frac{1}{4}$ lbs.

57 S 228. List, \$49.50.NET 29.11

MODEL 51S. Same as above, but with On-Off switch.

57 S 136. List, \$51.50.NET 30.28



540S

MODEL 540S "SONODYNE II". General-purpose microphone for tape recording applications and sound systems. All-directional pattern—360° coverage. Has On-Off switch. Response switchable: 60-10,000 cps for music, 150-6500 cps for speech reproduction. Dual-impedance: 50-250 ohms, and high imp. Output: Hi-Z, -52 db; Low-Z, -57 db. Chrome and black. Swivel mount; $\frac{3}{8}$ "-27 thread. 15-ft. cable. $3\frac{3}{4}$ " x $1\frac{1}{4}$ " dia. 3 lbs.

57 S 132. List, \$49.95.NET 29.37



545
545S

MODEL 545 "UNIDYNE III". Slender cardioid-pattern mike. Response, 50 to 15,000 cps. Dual-impedance. changed by moving one wire in plug (wired for hi-imp.) Output: Hi-Z, -55 db; Low-Z, -57 db. Chrome and black. With A-25 swivel adapter; 18-ft. cable. $5\frac{1}{8}$ " x $1\frac{1}{4}$ " diameter. Shpg. wt., 3 lbs.

57 S 161. List, \$85.00.NET 49.98

MODEL 545S. Above, with On-Off switch.

57 S 133. List, \$89.95.NET 52.89



535

MODEL 535 "SLENDYNE." Practical all-directional mike. Excellent for indoor and outdoor sound system use. Has On-Off switch. Can be hand-held, used on stand, or with lavaliere cord. Response. 60-13,500 cps. Dual-imp. switch selects 50-250 ohms and high-imp. Output, -61 db. With swivel adapter, $\frac{3}{8}$ "-27 thread. 18-ft. 2-cond. shielded cable, MC3 connector. Satin-chrome. $7\frac{1}{2}$ " x $1\frac{1}{2}$ " dia. 3 lbs.

57 S 255. List, \$72.50.NET 42.63



201
401A
401B

MOBILE HAND-HELD MICROPHONES



404C
404B

NEW MODEL 201. Low-cost high-quality hand-held ceramic mike for voice communications use. Omnidirectional pickup. Response: 200-4000 cps. Output: -55.5 db at 1 to 5 megohms load. With mtg. bracket, 5-ft., 3-cond. (1 cond. shielded) retractable cable. $4\frac{1}{2}$ " x $1\frac{1}{2}$ ". Push-to-talk switch. Shpg. wt., 1 lb.

57 S 280. List, \$18.00.NET 10.58

MODEL 404C. Controlled magnetic mike. Gives excellent speech reproduction. Response: 200-8000 cps. Hi-imp. Output, -50.5db. Hi-impact blue-gray plastic case. With mtg. bracket, 5 $\frac{1}{2}$ -ft., 4-cond. (2 shielded), coiled cable. $3\frac{1}{4}$ " x $2\frac{3}{8}$ " x $1\frac{9}{16}$ ". Grip-to-talk switch. Wt., 1 lb.

57 S 141. List, \$33.00.NET 19.40

MODEL 404B. Above, low-imp. Output: -50 db, 150-250 ohms. NET 19.40

57 S 140. Model 404B. Above, low-imp. Output: -50 db, 150-250 ohms. NET 19.40



Studio Quality Microphone

330

MODEL 330 "UNI-RON." Rugged, ultra-cardioid studio-quality, ribbon mike—designed to meet the exacting requirements of professional tape recording and high-quality, indoor public-address systems. Reduces pickup of random noises by 73%. Shock-mounted. $\pm 2\frac{1}{2}$ db, 30-15,000 cps. Switch selects 50, 150 or 250-ohm impedances. Output, -57 db. Swivel with $\frac{3}{8}$ "-27 thread. Satin-chrome. $3\frac{1}{4}$ " x $1\frac{1}{2}$ " x $1\frac{1}{4}$ ". Detachable 20-ft. cable with Cannon XL-3 connector. Shpg. wt., 4 lbs.

57 S 216. List, \$120.00.NET 70.56



440
440SL
520SL
520SLB

MODEL 440SL. Omni-directional, controlled magnetic mike for radio communications. Has sharp cutoff below 300 and above 3000 cps. High-impedance. Output, -52.5 db. Ideal for single-sideband VOX; with grip-to-talk switch. Die-cast zinc case, chrome; gray base. With 7-ft., 2-cond. shielded cable, Amphenol MC3M plug, and stand, $9\frac{3}{4}$ " x $5\frac{1}{2}$ ". Shpg. wt., 5 lbs.

57 S 139. List, \$47.50.NET 27.93

MODEL 520SL "DISPATCHER". Rugged, controlled magnetic mike. Has grip-to-talk, lockable mike-relay switch. Response, 100-9000 cps. High-Impedance. Output, -52.5 db. Chrome and green with 7-ft., 2-cond. shielded cable. $9\frac{3}{4}$ " high; 5" base. Shpg. wt., 5 lbs.

57 S 233. List, \$45.00.NET 26.46

MODEL 520SLB "DISPATCHER." As above, but low-imp.—150-250 ohms. Output, -51 db. 7-ft., 4-cond. cable.

57 S 163. List, \$49.25.NET 28.96

MODEL 440. Similar to 440SL, but less grip-to-talk switch, and stand. Standard $\frac{3}{8}$ "-27 thread. With 7-ft., single-conductor shielded cable. $2\frac{1}{8}$ " diameter, $3\frac{1}{2}$ " overall length. 1 $\frac{1}{2}$ lbs.

57 S 138. List, \$25.00.NET 14.70

A87K SWITCH KIT. Not illus. For use with 440SL mike. Provides instant changeover, VOX to push-to-talk operation; mike-mute in either operation. 2 lbs.

57 S 143. List, \$3.25.NET 1.91

Controlled Magnetic, Ceramic and Crystal Mikes



LAVALIER-TYPE MIKES

MODEL 710A "REX." Crystal. 60-9000 cps. Output, -50 db, high-imp. 7-ft. cable. $3\frac{3}{8} \times 2\frac{1}{8} \times 1\frac{1}{8}$ ". $\frac{3}{8}$ "-27 thread. $1\frac{1}{4}$ lbs.
57 S 231. List, \$12.00..... **NET 7.05**

MODEL 710S. As above, with On-Off switch.
57 S 232. List, \$14.00..... **NET 8.23**

MODEL 510C "HERCULES." Controlled magnetic. 100-7000 cps.; -52.5 db; high-imp. 7-ft. cable. $3\frac{3}{8} \times 2\frac{1}{8} \times 1\frac{1}{8}$ ". $\frac{3}{8}$ "-27 thread. $1\frac{1}{4}$ lbs.
57 S 229. List, \$17.00..... **NET 10.00**

510S. As above, with On-Off switch.
57 S 230. List, \$19.00..... **NET 11.17**

MODEL 715 "STARLITE." High-output crystal. Built-in stand. 60-10,000 cps. $3\frac{3}{8} \times 2\frac{1}{8} \times 1\frac{1}{8}$ ". 5-ft. cable $1\frac{1}{8}$ lbs.
57 S 215. List, \$8.00..... **NET 4.70**

MODEL 215. As above, ceramic element.
57 S 214. List, \$8.00..... **NET 4.70**

NEW MODEL 275S. Ceramic. 40-12,000 cps. Hi-imp. Output, -59.5 db. Switch, lav. cord, stand adap. $4\frac{3}{8} \times 1\frac{1}{8}$ ". 1 lb.
57 S 284. List, \$15.00..... **NET 8.81**

MODEL 420. Controlled mag. 150-250 ohms, hi-imp. Cable, lav. $\frac{3}{4}$ lb.
57 S 212. List, \$30.00..... **NET 17.64**

NEW MODEL 430SL. Controlled mag. 60-10,000 cps. Dual Imp.: 150-250 and High. Output, -52 db. Mike, relay switch. 15-ft., 3-cond. shielded cable; S38B stand; A-25B adapter. $2\frac{1}{2}$ lbs.
57 S 283. List, \$49.95..... **NET 29.37**

MODEL 430. As above, mike switch only. 150-250 ohms, hi-imp. 15-ft., 2-cond. cable; A-25B adapter. $1\frac{1}{2}$ lbs.
57 S 213. List, \$38.50..... **NET 22.64**

MODEL 415. Controlled mag. High-imp. 7-ft. cord, A-25B adapter. $1\frac{1}{2}$ lbs.
57 S 211. List, \$27.50..... **NET 16.17**

NEW MODEL 245 "UNIPLEX." Cardioid ceramic mike. Unidirectional—ideal for use under high noise conditions. Response: 50-7000 cps. High-imp. Output: -59 db. With 15-ft., 1-cond. shielded cable, Amphenol MCIF plug, A-25 swivel adapter. $4\frac{3}{8} \times 1\frac{1}{8}$ ". Shpg. wt., 1 lb.
57 S 285. List, \$35.00..... **NET 20.58**

MODEL 245S. Above, with On-Off switch.
57 S 286. List, \$37.00..... **NET 21.75**

MODEL 777 "SLIM-X" Not illus. All-directional crystal mike. Response, 60-10,000 cps. High-imp. Output, -62 db. Chrome. Detachable, 7-ft. cable; neck-cord. $\frac{3}{8}$ "-27 thread. $4\frac{1}{2} \times 1$ ". 1 lb.
57 S 252. List, \$25.00..... **NET 14.70**

MODEL 777S. Above, with On-Off Switch.
57 S 253. List, \$27.00..... **NET 15.88**

SHURE MICROPHONE ACCESSORIES

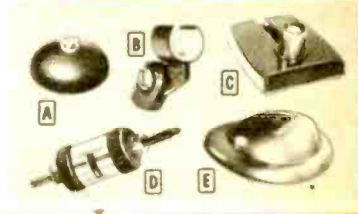
A S-38 BASE. For 777 Series mikes. Requires A-25, below. $1\frac{1}{2}$ lbs.
57 S 192. List, \$4.50..... **NET 2.65**

B A-25 SWIVEL ADAPTER. For 777 mike, any stand listed in catalog. $\frac{3}{4}$ "-27 thread. 90° Swing. $\frac{1}{2}$ lb.
57 S 193. List, \$5.50..... **NET 3.23**

C S-33 BASE. For any mike with A-25 Swivel Adapter, above. $1\frac{1}{2}$ lbs.
57 S 295. List, \$15.00..... **NET 8.82**

D A86A TRANSFORMER. For running lines from low-impedance mikes to high-impedance amplifier inputs. Matches 35-50 or 150-250 ohms. Response, ± 1 db. 20-20,000 cps. $2\frac{1}{8} \times 1\frac{1}{8}$ ". 1 lb.
57 S 107. List, \$17.50..... **NET 10.29**

E S-36A STREAMLINED DESK MOUNT. Fits all Shure mikes except Series 405, 100, 76B and 420. $1\frac{1}{2}$ lbs.
57 S 191. List, \$6.50..... **NET 3.82**



Wireless Microphones, Receiver, Accessories



UNLIMITED FREEDOM OF MOVEMENT

Transistorized FM wireless microphone gives you the convenience of complete mobility. Transmits on 33.13 mc to tunable receiver that easily connects to any public address system. Other transmitting frequencies are available on special order—write for data.

F VEGA FM RECEIVER. Tunes 25-45 mc. Tuning eye; squelch; AFC; low, high-level outputs; "Vegatrol" output. $9\frac{1}{2} \times 6\frac{3}{8} \times 12\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. 19 lbs.
57 SX 296. List, \$275.00..... **NET 267.75**

G SC 298. Vega Hand-Held Mike. $5\frac{1}{2} \times 1$ ". Whip antenna, 2 mercury batteries (1 for use, 1 spare). 1 lb..... **NET 249.75**

H SC 288. Press-To-Talk Accessory. For above. Controls transmitter. Extends $4\frac{1}{2}$ " below mike. 1 lb..... **NET 18.00**

J SC 287. Vega Lavalier Mike. Pull-switch controls transmitter. $5\frac{1}{4} \times 1$ ". Neck-cord ant., batteries. 1 lb..... **288.00**

SC 297. "Vegatrol" Control Relay. Connects to receiver for controlling accessories from mike. $5\frac{1}{4} \times 4\frac{1}{4} \times 7\frac{3}{8}$ ". **69.90**

55 J 672. Battery for Mike. Uses one. 3 oz..... **NET EACH 1.80**

57 SC 299. Slip Cover for Receiver. 12 oz..... **NET 4.95**



LAVALIER MIKE
 Lightweight and small in size, blends in with your clothing. You'll almost forget it's there.

ASTATIC

Low-Cost High Quality Microphones

NEW!

Specifically Designed for CB and Hams.

Model 511 and 513H

**HIGH-IMPEDANCE MIKE**

MODEL 511. A perfect ceramic mike for Citizen Band, Ham and other communications applications. Offers maximum clarity of speech and minimum sideband interference to other stations on same channel. Frequency response, 300 to 5000; output level, -51 db. Press-to-talk switch. 2-tone gray, plastic body. 6x2 1/2 x 2 1/2". 3-cond. cable. Wt., 7 oz.

57 S 289. List, \$19.75. **NET 11.61**

MODEL 513H. Dynamic. 11 oz.

57 S 290. List, \$34.50. **NET 20.29****DELUXE CARDIOID MIKE**

MODEL 77. A fine uni-directional dynamic cardioid microphone. Features extremely high front-to-back cancellation of 18 db for highest resistance to pickup from the rear—virtually eliminates feedback. Has suspended dynamic cartridge. Response, 30-15,000 cps. "Pop" and "blast-proof" Mylar" diaphragm. Output -52 db. Switch selects 30-50 ohms, 150-250 ohms and high-Z. 3/4"-27 thread. Satin-chrome. 8x2 1/2 x 2 1/2". With 20-ft. 2-cond. shielded cable. 3 lbs. \$5 Monthly.

57 S 177. List, \$82.50. **NET 48.51****ECONOMY CRYSTAL MIKES**

MODEL JT-30. A low priced, general purpose microphone. Excellent for CB, Hams, P.A., recording, etc. High impedance. With removable hand grip and Interlocking desk-type stand. Detaches easily from hand grip for mounting on standard floor stands. Response, 30-10,000 cps. Output level, -49 db. Gray Hammerlin finish; chrome grille. 8" high. Includes 8-ft. shielded cable. Wt., 2 1/2 lbs.

57 S 223. List, \$18.40. **NET 10.82**

MODEL JT-30F. Same crystal microphone as above, but less handle and base—mike head only. Has 3/4"-27 thread; fits any standard desk or floor microphone stand. Shpg. wt., 1 1/2 lbs.

57 S 123. List, \$15.90. **NET 9.35****"PREMIER" CRYSTAL MIKE**

MODEL D-104. A high-impedance mike for Citizen Band and Hams, producing maximum amount of speech intelligibility. Response, 30-70,500 cps. Output level -45 db. 3/4"-27 thread. Includes 5-ft. shielded cable. Shpg. wt., 1 1/2 lbs.

57 S 225. List, \$31.00. **NET 18.23****57 S 401.** Repl. Cartridge. 2 oz. **5.59****BUDGET CRYSTAL MIKES**

MODEL 200. An all-purpose crystal mike for CB, Hams, home recording, paging, etc. Response, 30-10,000 cps. Output -50 db. High-impedance. Includes detachable base, with 3/4"-27 thread. Gold and chrome. 8x2 1/2" diameter. 8-ft. single conductor shielded cable. Wt., 1 1/2 lbs.

57 S 126. List, \$19.50. **NET 11.47**

MODEL 200-S. Same as microphone above, but with convenient on-off switch. Shpg. wt., 1 1/2 lbs.

57 S 402. List, \$21.50. **NET 12.64****ALL-DIRECTIONAL MIKE**

MODEL DN-HZ. The "Commentator"—a ruggedly constructed dynamic high-impedance microphone. Features a handy, tilting-head swivel mount. An outstanding unit designed for all general purpose semi or non-directional applications. Offers maximum speech clarity. Frequency response, 50-10,000 cps. Output level, -52 db. Opalescent gray baked enamel with chrome grille and trim 6 1/8 x 2 1/4 x 3/4". 3/4"-27 thread. Includes 10 ft. shielded cable. 2 1/2 lbs. \$5 Monthly.

57 S 224. List, \$39.70. **NET 23.34**

Versatile ASTATIC Economy Microphones



Includes Lavalier Cord

Series 330 on A7 Stand



Model G Stand

MODEL 333 CERAMIC. As 332, but 30-10,000 cps. Output, -58 db.

57 S 128. List, \$17.90. **NET 10.52**

MODEL 335H DYNAMIC. 50-12,000 cps. Output, -56 db. High-Imp. Gray.

57 S 129. List, \$26.50. **NET 15.58**

MODEL 335L DYNAMIC. As above, low impedance. Output, -57 db.

57 S 403. List, \$23.50. **NET 13.82**

MODEL A-7 DESK STAND. For 330 mikes above. Black plastic. 5 oz.

57 S 147. List, \$2.45. **NET 1.44**

MODEL T-3 "PIONEER" CRYSTAL. High-impedance mike with swivel hinge to convert unit from semi to non-directional pickup. Resists the effects of humidity. Frequency response, 30 to 10,000 cps. Output level, -52 db. 3/4"-27 thread. 6x 2 3/16 x 3". 10 ft. cable. 2 lbs.

57 S 222. List, \$29.30. **NET 17.23**

MODEL 150 CRYSTAL. A high-output mike offering semi-directional pickup pattern. Frequency response, 30 to 10,000 cps with 5 megohm load resistance. Output level, -44 db. Size, 2 3/16 x 2 3/16 x 1 1/2". High impact gray plastic case with gold metal grille. With 5-ft. single conductor shielded cable. Shpg. wt., 1/2 lb.

57 S 144. List, \$6.50. **NET 3.82**

MODEL 151 CERAMIC. As above, but -48 db output; 30-8000 cps response.

57 S 130. List, \$6.50. **NET 3.82**

MC-151 REPLACEMENT CARTRIDGE. For Astatic crystal mikes, Models CX, CX-1, 200, 241, JT-30, JT-30F, JT-40 and T-3. Shpg. wt., 3 oz.

57 S 150. List, \$7.00. **NET 4.12**

MODEL G STAND. For T-3, DN-50, DN-HZ, D-104, 10-C, 10-D, 77-L and other mikes. 3/4"-27 thread. Chrome and gray finish. With 6-ft. cable. 2 1/2 lbs.

57 S 185. List, \$24.95. **NET 14.67**

Slim mikes for Citizen Band, Ham, PA, tape recording and other applications. Have off-on switch, except 331 has momentary "On" spring-return switch. With lavalier and adapter for 3/4"-27 thread stand. Less stand. 4 1/2 x 1 1/4". 1 lb.

MODEL 332 CRYSTAL. For Citizen Band, Hams, high-quality tapes and P.A. 30-15,000 cps. Output level, -54 db. High impedance. Black and chrome.

57 S 122. List, \$17.90. **NET 10.52**

MODEL 331 CERAMIC. For Citizen Band, Hams, paging, etc. Press-to-talk switch with provision for relay control. Frequency response, 300-5,000 cps. Output level, -56 db. High-impedance. Black and chrome. With convenient hang-up bracket.

57 S 127. List, \$17.90. **NET 10.52**

Budget-Priced SONOTONE "Ceramikes"

NEW!

Rugged CB
Mike

CM-30M



CM-12A

CM-17A



CM-10A



CM-10A
"Twins"

COMMUNICATIONS MIKE

CM-30M. Designed for Citizen's Band and other communications applications. Features a high-impedance ceramic element, immune to temperature changes and humidity. 60-7000 cps frequency response covers the voice range—assures superior transmission in noisy locations. Has push-to-talk button. Output level, -49 db. Plastic case, with handy magnet on back for easy "pick up-put down" use. Size, 3x2x 1/2". With 6-ft., 4-conductor shielded coil cable. Shpg. wt., 1 lb.
57 S 277. List, \$16.50.....**NET 9.70**

CM-30 COMMUNICATIONS MICROPHONE. Same as above, but with mounting bracket instead of magnet.
57 S 153. List, \$16.50.....**NET 9.70**

TAPE RECORDER MIKE

CM-32. Fine for tape recorder and entertainment use. Frequency response, 85-9500 cps. Output level, -49 db. High impact plastic case. Supplied with 7-ft., 2-conductor shielded cable and phone plug. Shpg. wt., 1 lb.
57 S 160. List, \$12.50.....**NET 7.35**

LOW IMPEDANCE MIKE

CM-12A. Ceramic mike designed for public address systems or any other installation requiring long leads. Has push-to-talk button. Response, 200 to 8000 cps. Output level, -63 db. Die-cast metal case is finished in satin chrome. With 18-ft. cable. Shpg. wt., 2 1/4 lbs.
57 S 152. List, \$29.50.....**NET 17.35**

CERAMIC "FLEX-MIKE"

MC-17A. A high-impedance mike that's perfectly suited to Citizen's Band, Ham, audio-visual, paging and P.A. applications. Frequency response, 50 to over 11,000 cps. Output level, -56 db. A controlled presence peak in mid-range adds vocal realism. Has convenient flexible stand with 13" cable attached to removable mounting plate. Brush chrome with gold finished wire grille. With 6-ft. shielded cable. Shpg. wt., 4 lbs.
57 S 154. List, \$24.50.....**NET 14.41**

CM-10 MIKE STAND. Chrome-finished, swivel mount. Padded felt removable base with 3/8"-27 thread. Wt., 2 lbs.
57 S 179. List, \$5.00.....**NET 2.94**

"MATCHED TWINS" MIKES

CM-10A. A pair of deluxe ceramic microphones for tape recording. Acoustically matched at the factory to capture the full brilliance of live stereo sound. Response, 50 to over 11,000 cps. Unaffected by temperature and humidity. Output level, -56 db. All-directional; high-impedance. One-piece metal case in brushed chrome, with gold finished wire grille. Size, 5 1/2" long and 1 3/4" in diameter. 7-ft. shielded cable with phone plug. Less CMS-10 stands, below left. Shpg. wt., 8 lbs. List, \$35.50
57 S 151......**NET PER PR. 20.87**

CM-10A. Single mike, similar to above, for monophonic recording, P.A., etc. With 7-ft. cable and phone plug. Less CMS-10 stand. Shpg. wt., 2 lbs.
57 S 178. List, \$17.50.....**NET EACH 10.29**

CM-11A. Similar to above, but output level is -53 db. For use where greater sensitivity is desired. Frequency response, 80-9000 cps. Supplied complete with 7-ft. cable and phone plug.
57 S 180. List, \$17.50.....**NET EACH 10.29**

Cables, Connectors and Mixers



BELDEN SHIELDED CABLES

Single-Conductor—For High-Imp. Mikes

Mfr. Type	O.D.	Wt. 100'	50-ft. Spool	Over 100'	
		No.	NET	No. Per 100'	
8401	.200" 2 1/4	188	47 T 563	2.30 47 W 564	4.21
8410	.245" 4	188	47 T 449	3.82 47 W 444	7.20
3411	.144" 1 1/2	188	47 T 603	1.71 47 W 604	3.09

Two-Conductor—For Low Imp. Mikes

Mfr. Type	O.D.	Wt. 100'	50-ft. Spool	Over 100'	
		No.	NET	No. Per 100'	
8428	.295" 1 1/2	188	47 T 467	5.29 47 W 469	10.29
8422	.231" 1	188	47 T 455	3.18 47 W 456	5.73

SWITCHCRAFT CONNECTORS

SINGLE CONTACT TYPES. Standard 3/8"-27 threads. 2501 fits all Knight P.A. amplifiers. When splicing 2 cords, use two 2501F (as plugs or jacks), 3 oz.

Stk. No.	Fig.	Type	Description	NET
57 S 405	A	2501F	Plug or Jack	.35
57 S 406	B	2501M	Plug	.26
41 H 657	C	441	Phone Plug Adapter	.23

STRAIGHT-CORD PLUGS

Common 3-contact audio connectors with clamps and resilient socket insulator. Satin-nickel; push-action, latch-lock. Each

contact rated 15 amps. Av. wt., 4 oz.

Stk. No.	Fig.	Type	Description	NET
40 H 790	D	XLR-3-11C	Female Socket	1.29
40 H 791	E	XLR-3-12C	Male Pin	1.13

MIKE EXTENSION CABLES

Plug extension cable into mike; connect old cable to free end of extension. 2-conductor shielded.

Stk. No.	Fig.	Type	Description	Leth.	Wt.	NET
57 S 156	F	87AU8775-MC1F	each end.	25 ft.	1 1/4 lbs.	2.94
57 S 278	F	87AF 87	Same As Above.	36 in.	2 lbs.	1.18
57 S 279	F	87AK87	Same As Above.	6 ft.	1/4 lbs.	1.47
57 S 158	G	91BU92	Cannon XLR-11 and XLR-12 plugs.	25 ft.	1 1/4 lbs.	7.35

MINI-MIX AUDIO MIXERS

[H] Accept 2 high impedance sources. Separate gain controls. 2 1/2"x11 3/4"x1 1/2". Av. shpg. wt., 4 oz.

57 S 112.	Phone jack input and plug output for std. jacks.	NET 4.67
57 S 114.	As above, but with longer output for recessed jacks.	NET 5.26
57 S 113.	Male inputs, female output for 3/8"-27 screw-type conn.	4.67
57 S 404.	For late model Wollensak and Revere recorders.	NET 5.26



306 Microphone Mixer

SWITCHCRAFT STEREO MIXERS

MODEL 306. Flip a switch and this mike mixer's 4 monophonic channels convert to 2-stereo's. Four input jacks on rear panel; high impedance circuitry. Two phono jacks for output to amplifier or tape recorder. 2x3x6". Wt., 1 1/2 lbs.
57 S 171. List, \$22.50.....**NET 13.23**

MODEL 306TR. As above, but with two battery-operated transistor amplifiers. With battery. Wt., 1 1/2 lbs.
57 S 172. List, \$37.50.....**NET 22.05**

SWITCHCRAFT MONOPHONIC MIXERS

MODEL 301. (Not illus.) Similar to 306. Permits mixing four signals into a single output. Accepts std. 2-cond. phone plugs; std. phono jack output to tape recorder or amplifier. 2x3x6". 1 1/2 lbs.
57 S 169. List, \$19.50.....**NET 11.47**

MODEL 301TR. Above, but battery-powered transistor amp. With battery.
57 S 170. List, \$30.00.....**NET 17.64**

41 H 341. Connector Cable. 36". Pin plug one end, phono plug other. 4 oz.....**88c**

Complete Satisfaction Guaranteed or Your Money Back



ATLAS Microphone Stands and Booms

MS-10C

Floor stands with "Full Grip" clutch for secure hand grip. Won't slip or jam.

Base has self-leveling pads.

MS-10C FLOOR STAND. Excellent for average weight mike. Clutch for secure hand grip. Adjusts from 35" to 64". Gray base has self-leveling, shock absorbing pads. 2-section chrome tube. Base dia., 10", 3/8"-27 thrd. 10 lbs.

57 SX 325-2. List, \$10.00.....**NET 5.88**

MS-11C. As above; all chrome. 12 lbs.
57 SX 326-2. List, \$13.75.....**NET 8.09**

MS-4 TELESCOPING FLOOR STAND. 3 sections permit frequent adjustments with ease from 26-61"—perfect for schools, etc: Gray shrivel base, chrome tube. Base diameter, 10". 3/8"-27 thrd. 11 lbs.
57 SX 270. List, \$15.75.....**NET 9.26**

MS-4

MS-11S

BS-36

MS-25

CS-42

Collapsible Disassembles Base

BB-1

CS-33

MS-11S AUTOMATIC FLOOR STAND. Press "Sleeve Action" control—telescoping section lowers to desired position. Adjustable from 35" to 65". All chrome. Base dia., 10", 3/8"-27 thrd. 13 lbs.
57 SX 271. List, \$25.00.....**NET 14.70**

MS-25 PROFESSIONAL FLOOR STAND. "Air Lock" controls drop—prevents mike damage. Adjusts from 37" to 66". Base dia., 17"—very stable. Chrome and gray base; chrome tube. 3/8"-27 thrd. 22 lbs.
57 SX 330-2. List, \$28.00.....**NET 16.46**

CS-42 COLLAPSIBLE BASE STAND. 3-legged portable stand easily folds or unfolds. Chrome tube adjusts from 34" to 62". Shrivel gray base—dia., 16". 3/8"-27 thrd. With base pads. Wt., 9 lbs.
57 SX 315. List, \$13.00.....**NET 7.64**

BB-1 "BABY BOOM" STAND ATTACHMENT. Converts any floor stand with 3/8"-27 thread to boom-type stand. 5-ft. circle positioning; adjustable counter-balance. Chrome plated. 32" long. 4 1/2 lbs.
57 SX 328. List, \$8.00.....**NET 4.70**

BS-36 PROFESSIONAL BOOM STAND. Similar to MS-25 (at left) but with removable 62" arm. Adjusts from 48" to 72". Chrome. Base dia., 17". 33 lbs.
57 SX 329-2. List, \$66.50.....**NET 39.10**
BS-36W. As above, but mobile. 40 lbs.
57 SX 318-2. List, \$76.50.....**NET 44.98**

CS-33. "TAKE APART" TYPE FLOOR STAND. Collapsible, 3-section portable stand. Adjusts from 26" to 64". 3/8"-27 thrd. Chrome plated. Shpg. wt., 4 lbs.
57 SX 327. List, \$14.50.....**NET 8.53**

MICROPHONE DESK, BANQUET AND SWITCHBOARD STANDS

US-2 MULTI-PURPOSE STAND. Floating vertical (180°) and rotation (360°) movement. Arm, 12 1/2" long. Base dia., 2 3/4". Chrome. 3/8"-27 thrd. 2 lbs.
57 S 273. List, \$9.50.....**NET 5.59**

SA-115. As above, for 1-hole (1 1/2 dia.) mounting. 225° rotation. 2 lbs.
57 S 274. List, \$8.25.....**NET 4.85**

DS-4 DESK STAND. Attractively styled—light beige finished base and detachable chrome tube. Base dia., 4"; tube 4" high. 3/8"-27 thread. Wt., 1/2 lb.
57 S 272. List, \$2.50.....**NET 1.47**

SB-1 SWITCHBOARD STAND. Sits atop switchboard. Has 12" flexible arm (3/8"-27 thrd.). Cast base, 9x6 1/2". 13 lbs.
57 S 145. List, \$15.75.....**NET 9.26**

NS-1 NECK AND CHEST HOLDER. Neck cord, non-rolling chest support and re-

movable goose-neck holder. 10 oz.
57 S 183. List, \$5.50.....**NET 3.23**

DS-5 DESK STAND. Chrome-plated tube. 4" high. Cast-iron base; 6" diameter. Rubber pads. 3/8"-27 thread. 2 lbs.
57 S 208. List, \$3.25.....**NET 1.91**

DS-7 ADJUSTABLE DESK STAND. Clutch adjusts from 8" to 13". 2-section chrome-plated tube. Gray base diameter, 6"; has rubber pads. 3/8"-27 thrd. 3 lbs.
57 S 186. List, \$5.50.....**NET 3.23**

DS-10 DESK STAND. Cable fits in slot under chrome trim. Gun-metal enamel finish. 3/8"-27 thread. Wt., 1 1/2 lbs.
57 S 205. List, \$5.50.....**NET 3.23**

TS-6 BANQUET STAND. Not illus. For speaker's table. Extends from 14 1/2" to 26". Base diameter, 8". Wt., 6 lbs.
57 S 188-2. List, \$9.75.....**NET 5.73**

MICROPHONE ACCESSORIES



Stock No.	Type	Fig.	Description	Wt.	EACH
41 H 996	A		"Y" Mike Connector	2 oz.	.97
57 S 189	GN-13	B	Flexible 13" Gooseneck	1 lb.	1.62
57 S 206	GN-19	B	As above, 19" long	1 1/2 lbs.	2.35
57 S 187	SO-1	C	Snap-on Mike Attachment	1 lb.	1.62
57 S 207	CH-1	D	Cable Hanger; fits all stems 3/8" to 1 1/4" in diameter	1/2 lb.	1.62
41 H 946	329	E	Mike Volume Control; Hi-imp.	6 oz.	4.09
57 S 106	AD-7	F	3" Extension Rod; 3/8"-27 ends	3 oz.	.38
57 S 105	AD-8	F	As above, 6" long	4 oz.	.44
41 H 950	G		Push-to-Talk Switch with lock	6 oz.	1.89
57 S 115	H		"Save-Ur-Mike" Plastic Cover	2 oz.	.69
57 S 190	BC-1	J	Bracket Clamp; 6" stem	1 lb.	2.06
57 S 204	SW-1		Gyromatic Mike Lock Swivel	1 1/2 lbs.	2.79

ATLAS MIKE STAND ADAPTERS. For desk and floor-type microphone stands. All are chrome-plated. Shpg. wt.: Models AD1, AD2, AD3, AD4, AD5, and AD10, 2 oz.; AD11 and AD12, 6 oz.

Stock No.	Type	Fig.	Description	EACH
57 S 108	AD1	L	For adapting RCA mikes. 1/2" male to 3/8"-27 female.	53¢
57 S 198	AD2	K	1/4" pipe female to 3/8"-27 male.	38¢
57 S 199	AD3	M	1/4" pipe female to 3/8"-27 female.	38¢
57 S 201	AD4	M	3/4" long. 3/8"-27 male coupling.	20¢
57 S 202	AD5	M	3/8"-27 to 3/8"-27 female coupling.	38¢
57 S 203	AD10		Adapts W.E. mikes. 3/8"-24 female to 3/8"-27 female.	77¢
57 S 104	AD11	P	Mike base flange. Female. 3/8"-27.	44¢
57 S 103	AD12	N	Mike base flange. Male. 3/8"-27.	44¢

KNIGHT KN-85 Paging and Talk-Back Unit



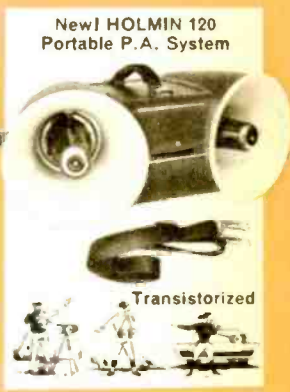
- Highly Efficient Built-In Aluminum Driver Unit
- Excellent Speech Intelligibility
- Speaker Offers Wide Frequency Response
- Can Be Used Indoors or Outdoors

Allied's own, best value reflex-type paging and talk-back speaker with built-in 5-watt driver. Offers frequency response of 400 to 13,000 cps with a special rising frequency characteristic to assure excellent speech intelligibility. Horn has 120° dispersion angle. Sensitivity when used as mike, -26 dbm. Impedance, 8 ohms. Bell is 6 1/2" in diameter. Overall length, 7". With mounting

bracket. Made in U.S. Shpg. wt. 3 1/2 lbs.
57 D 579 **NET 12.75**
MODEL KN-80. As above, but for areas with high noise levels. Capacity, 25 watts; imp., 8 ohms; response, 250-13,000 cps; disp., 90°; dia., 10 1/2"; length, 9". 4 lbs.
57 DX 517 **NET 15.50**



Multi-Purpose Portable Power Megaphones



FANON ECONOMY MEGAPHONE
MODEL MV-1. This low priced unit projects voice 300 yards. Two switches instantly select high or low power for most efficient battery use. Aluminum with enamel finish. Has carrying strap. Battery life, 10 hours (continuous). Less batteries, below. Horn dia., 6 1/2". 4 lbs.
57 SX 320. List, \$44.95 **NET 26.41**
55 J 501. Burgess 210 Battery. Uses 4. Shpg. wt., 5 oz. **EACH 17c**

FANON DELUXE MEGAPHONE
MODEL MV-8. Professional all-transistor unit with a range of 600 yards. Offers excellent speech intelligibility. Durable aluminum with baked-enamel finish. Rugged, waterproof dynamic microphone, pistol-grip trigger, variable volume control, carrying strap. Average continuous battery life, 10 hours. Horn diameter, 9". Less batteries, 6 lbs. \$5 Monthly.
57 SX 321. List, \$112.50 **NET 66.15**
55 J 017. Battery. Uses 8. 3 oz. **EA. 14c**

DELUXE UNIVERSITY "POWRPAGE" SYSTEMS
MODEL PP-1. Powerful P.A. system delivering 25 watts for intelligible voice throw up to 1000 yards. Offers high stability under all operating conditions. CD-approved for fund matching. Press-to-talk "Powersaver" switch gives instantaneous operation and lengthens battery life. Has input jack for record player. "Talk/over" feature lets voice be heard

ALL-TRANSISTOR BULLHORN
 Lowest-cost, all-transistor directional megaphone with voice throw up to 300 yards. Lightweight and easy to operate—just press trigger and talk. Features adjustable volume control, plus leather carrying strap. 10 1/2" long. Uses 4 standard 1 1/2 volt batteries (not supplied with unit—see below). Shpg. wt., 2 1/2 lbs.
57 SX 322. List, \$10.00 **NET 6.89**
55 J 005. Burgess "2" Battery. Uses 6. Shpg. wt., 3 oz. **EACH 14c**

UNIVERSITY "POWRPAGE"
Model PP-2. An excellent general purpose unit with a 440 yard range. Easy to handle—weighs only 3 1/2 pounds, including batteries. Has convenient jack for use with external 6 or 12 volt DC source; press-to-talk switch. Horn diameter, 8". Less batteries, below (uses 6). Shpg. wt., 6 lbs. \$5 Monthly.
57 SX 323. List, \$82.50 **NET 48.51**
55 J 020. Battery. 2 oz. **EACH 10c**

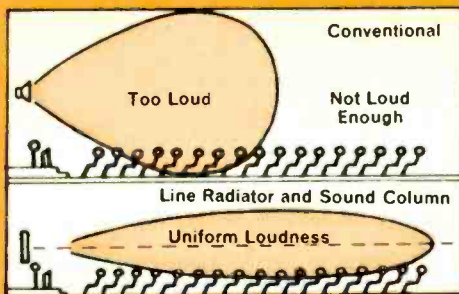
over music; Talk/Listen switch for directional listening. Less batteries, below. Carrying strap. Dia., 9". 13 lbs.
57 SX 302. List, \$104.50 **NET 61.45**
MODEL PP-1T. As above, but transistorized. Shpg. wt., 8 lbs. \$9 Monthly.
57 SX 301. List, \$283.25 **NET 166.55**
55 J 016. Battery. Uses 4. 2 lbs. **EA. 87c**

HOLMIN DELUXE VOICE GUN
MODEL 120. An extremely efficient all-transistor portable system, specifically designed for use wherever large groups or crowds gather. Delivers 10 watts of sound power for deep voice penetration, while two angled reflex speakers assure very wide coverage. Easy to carry—weighs only 12 pounds, including batteries. Has only two controls (both on mike housing) for easy operation: a press-to-talk switch for instantaneous use and increased battery life; and a volume control. A special microphone design virtually eliminates feedback problems. Can be used in any kind of weather. Overall size, 8x17 1/2x11". Supplied complete with 2 standard 6-volt batteries and a convenient leather carrying strap. Wt., 16 lbs.
57 SX 331. \$8 Monthly **NET 157.35**
55 J 016. Extra Battery. 2 lbs. **EACH 87c**

HOLMIN VOICE GUN
MODEL A-12. Heavy-duty, hand-held P.A. unit with husky 3-transistor amplifier to punch voices out 500 yards or more. Withstands all weather conditions. Transistors plus press-to-talk switch give instant operation and long battery life—up to 1 year in normal use. With leather carrying strap. Includes 8 standard penlight cells. Horn diameter, 7 1/2". Shpg. wt., 6 lbs. \$5 Monthly.
57 SX 319. List, \$119.95 **NET 89.96**
55 J 005. Battery. 3 oz. **EACH 14c**

Complete Satisfaction Guaranteed or Your Money Back

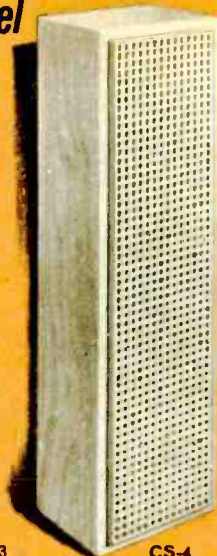
Modern Speakers for Uniform Sound Level



Consisting of several speakers arranged one above another in a special enclosure, the Sound Column or Line Radiator offers uniform loudness over a wide horizontal pattern. The people in front are not blasted by sound, and the people in back can relax and hear as well as those in front. Annoying feedback and reverberation effects are greatly reduced. Installation is simple—complicated planning and installation fees are eliminated. Anyone can install sound columns for any job, and get better coverage—in most installations—at lower cost.



CS-3



CS-4

Electro-Voice Sound Line Radiators

LR-4

MODEL LR-4 CURVED LINE RADIATOR. Wide-range projector designed specifically to control feedback in difficult P.A. installations for natural sound reinforcement. May be hung in clusters in theaters, cathedrals, gyms and other difficult surroundings. 12 top-quality 4" speakers provide a response of 150-10,000 cps. Dispersion: horizontal, 160°, vertical, 60°. Capacity, 25 watts. Impedance, 8 ohms. Neutral tan finish. Universal mounting brackets, 49"x7"x13". Wt., 22 lbs.
57 DZ 529. List, \$115.00. \$5 Monthly. **NET 67.62**

MODEL LR-7. As above, but with 9—5x7" speakers and 2—VHF drivers. Response: 100-20,000 cps. Dispersion: horizontal, 160°, vertical, 45°. Capacity, 50 watts. Size 60x11x14". Shpg. wt., 70 lbs.
57 DZ 699. List, \$165.00. \$5 Monthly. **NET 97.02**

MODEL LR-4S. STRAIGHT LINE RADIATOR. Horizontal, 160°; vertical, 30°. Response, 150-10,000 cps. Capacity, 25 watts. Impedance, 16 ohms. 52x7½x4¾". 16 lbs.
57 DZ 698. List, \$125.00. \$5 Monthly. **NET 73.50**

University® Sound Column Speakers

MODEL CS-3 COLUMN SPEAKER. Designed for use in high reverberation areas where speech clarity is vital. Also fine for wide music projection. Features "Acoustic Tapering" for uniform dispersion and response. Has 6 oval and 2 tweeter speakers. Capacity, 25 watts. Dispersion: Horizontal, 120°; vertical, 20°. Response, 150-10,000 cps. Impedance, 8 ohms. Neutral finish. 48x7½x8¾". Shpg. wt., 55 lbs. \$5 Monthly.
57 DZ 532. List, \$149.95. **NET 88.15**

MODEL CS-4. Similar to CS-3—provides excellent music and voice reproduction, with 80-watt power-handling ability. Uses four 8" speakers for wide response of 70-17,000 cps. Dispersion: horizontal, 120°; vertical, 22°. 40x10x7". 55 lbs.
57 DZ 531. List, \$216.58. \$7 Monthly. **NET 127.35**

MODEL CS-6. As above, but has power handling capacity of up to 150 watts. Response, 55-17,000 cps. Dispersion: horizontal, 120°; vertical, 16°. Impedance, 16 ohms. Size, 59½x10½x9½". Shpg. wt., 61 lbs. \$9 Monthly.
57 DZ 530. List, \$299.90. **NET 176.35**



ELECTRO-VOICE MUSICASTER SPEAKER

Unique one-piece weatherproof speaker system. Employs a die-cast aluminum, back-loaded folded horn as an integral part of its structure—extends bass response to 60 cps. The "Musicaster" provides clear and realistic reproduction of voice and music... 60 to 13,000 cps. Impedance, 8 ohms. Dispersion: 120°. Capacity, 30 watts. Tan finish. HWD, 21½x21½x8½". Shpg. wt., 34 lbs.
57 DU 545. List, \$90.00. \$5 Monthly. **NET 52.92**

MUSICASTER II. Same fine unit as above plus VHF tweeter. Smooth from 60-18,000 cps. With crossover. Shpg. wt., 36 lbs.
57 DU 519. List, \$125.00. \$5 Monthly. **NET 73.50**

MODEL MB-1 MOUNTING BRACKET. For mounting "Musicaster" flat against wall. Replaces "U" bracket. Wt., 1 lb.
57 D 585. List, \$4.50. **NET 2.65**

Enjoy High Fidelity Music Outdoors



MLC



BLC

UNIVERSITY MUSIC/AIRE SPEAKER

MODEL MLC. A weatherproof, coaxial hi-fi speaker for "low level" speaker distribution systems or for moderate-sized crowds and areas. Perfect for outdoor paging speaker applications—reproduces music or voice with equal success. Response, 150-15,000 cps. Uses 2,000 cycle cross-over network. Dispersion, 120°. 15 watt power handling capacity. Impedance, 8 ohms. Size, 12½x9½x10½". Shpg. wt., 10 lbs.
57 DX 560. List, \$57.50. \$5 Monthly. **NET 33.81**

MODEL BLC. A deluxe hi-fi speaker, similar to the MLC, designed for highest quality P.A. reproduction. Excellent for bandstands, lawns, swimming pool areas, etc. Response, 70-15,000 cps. Dispersion, 120°. Power capacity, 15 watts. Impedance 8 ohms. 12½x9½x10½". Shpg. wt., 21 lbs.
57 DU 567. List, \$89.50. \$5 Monthly. **NET 52.63**

P. A. Speakers, Trumpets and Drivers by *University*.

PAGING AND TALK-BACK SPEAKERS

Highly efficient reflex type air-column reproducers. All speakers listed below are complete driver-trumpet units, designed specifically for maximum speech intelligibility. Speakers are weatherproofed, rugged and reliable. Driver units are hermetically sealed PM dynamic types. LIL-8 is decorator pager; IB8A is general purpose; CIB-A8, wide angle for uniform coverage. MIL-A8 and CMLL-A8 for low power systems. IBR-A8 for widest dispersion. Complete with mounting accessories. 8-ohm impedances. *HWD.

Stock No.	Mfr's Type	Frequency Response	Watts	Dispersion	Dia.	Length	Wt. Lbs.	List	NET EACH
57 DX 818	LIL-8	300-10,000	15	110°	6 1/2"	15 1/2"	4 1/4	\$41.58	24.45
57 DX 594	IB-A8	250-13,000	25	90°	10 1/2"	9	4	34.50	20.29
57 DX 515	CIB-A8	250-13,000	25	120°x60°	10 1/2"	*7 1/2"x14x12	5 1/2	46.00	27.95
57 D 599	MIL-A8	350-13,000	7 1/2	120°	6 1/2"	7	3 1/2	28.35	16.67
57 D 572	CMLL-A8	350-13,000	7 1/2	120°x60°	6 1/2"	*6 1/2"x9 1/2"x8 1/2"	4	32.73	19.25
57 DX 516	IBR-A8	300-10,000	25	360°	13	10 1/2"	5 1/2	48.83	28.71

DIRECTIONAL REFLEX TRUMPETS

Directional P.A. trumpets for deep sound penetration with a narrow distribution angle. Excellent for applications where an exceptionally "long throw" is necessary, or for areas where high noise levels have to be overcome. The large horn diameters of the units listed below provide a sharper distribution pattern than would be obtained with smaller units—provide more sound intensity along the speaker axis. Model SMH for voice only. Supplied with "U" mounting bracket. Less driver.

Stock No.	Mfr's Type	Low Cutoff	Dispersion	Length	Dia.	Wt. Lbs.	List	NET EACH
57 DZ 543	PH	150 cps	85°	15 1/2"	20 1/2"	11 3/4	\$34.13	20.87
57 DZ 544	SMH	200 cps	95°	12"	16 1/2"	8	28.88	16.96
57 DZ 565	LH	85 cps	65°	28"	31"	22	75.60	44.45
57 DZ 562	GH	120 cps	75°	19"	25 1/2"	16 1/2	46.73	27.48
57 DU 559	CLH	120 cps	120°x60°	21 1/2"x11 1/2"	20"	15	46.50	27.34
57 DX 543	2WP	350 cps	120°	20 1/2"	8 1/2"	4	29.40	17.29
57 DX 546	Cobrex Flex II	200 cps	120°x60°	18 1/2"x9 1/2"	10 1/2"	10 1/2	40.25	23.67

HEAVY-DUTY DRIVERS FOR TRUMPETS

Top-quality drivers for any trumpet listed above. All are PM type, hermetically sealed, with 16-ohm impedances. ID-40T, ID-60T have built-in multi-impedance transformers with power taps. *For 70.7 v. systems.

Stock No.	Mfr's Type	Frequency Range	Wattage of Taps	Max. Watts	Wt. Lbs.	List	NET EACH
57 D 573	ID-20	120-6500	.....	20	3	\$25.00	14.70
57 D 574	ID-30	85-7500	.....	30	3 1/2	31.50	18.52
57 D 575	ID-40	80-12,000	.....	40	4 1/2	39.50	23.23
57 D 577	ID-60	70-12,000	.....	60	5 1/2	52.75	31.02
57 D 576	ID-40T	80-12,000	40, 20, 10, 5, 2.5	40	5 1/2	52.75	31.02
57 D 578	ID-60T	70-12,000	60, 30, 20, 10, 5, 2.5	60	6 1/2	63.25	37.19

Sound Projectors, Horns and Drivers by *Electro-Voice*

PAGING SPEAKERS AND PROJECTORS

Very efficient re-entrant type paging speakers and coaxial projectors. Speakers feature die-cast horns, and are complete with drivers. Excellent for paging systems, police and fire vehicles, etc. Compound projectors have single driver—feature fibreglass construction, and offer wide horizontal coverage and smooth frequency response from two horns coupled to opposite sides of the driver's diaphragm. Speakers and projectors are weatherproof. CDP with type number indicates compound projectors.

Stock No.	Mfr's Type	Frequency Response	Watts	Dispersion	Ohms	Size	Wt. Lbs.	List	NET EACH
57 DX 818	PA-7	400-13,000	7 1/2	120°	16	6 1/2"x6"	3 1/2	\$28.35	18.67
57 D 679	PA-15	350-13,000	15	120°	8	8 1/2"x5 1/2"x8 1/2"	5 1/2	30.00	17.64
57 DU 540	848 CDP	150-10,000	30	120°	16	20 1/2"x10 1/2"x20"	15	82.50	48.51
57 DX 542	847 CDP	250-10,000	25	120°	16	11 1/2"x7 1/2"x10 1/2"	10	51.00	29.99
57 DX 544	844	250-13,000	30	90°	8	9 1/2"x8 1/2"	8 1/2	36.50	21.46

HORNS FOR SPECIAL APPLICATIONS

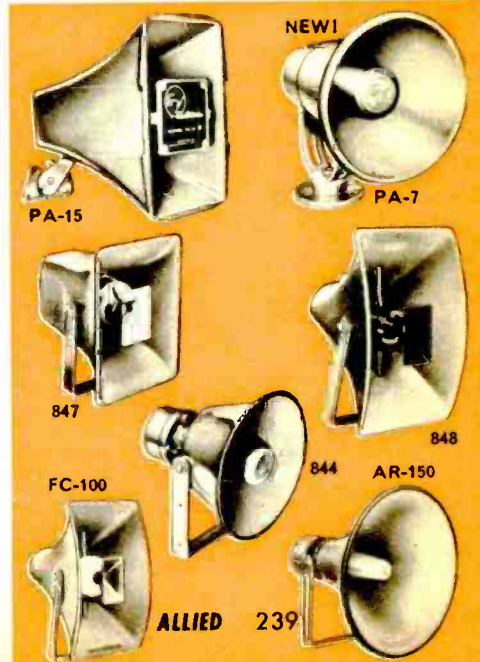
Rectangular compound horn (FC-100) has large horn for bass—small for highs. Round re-entrant horn (AR-150) has spun aluminum bell. Less drivers.

Stock No.	Mfr's Type	Low Cutoff	Dispersion	Length	Mouth Size	Wt. Lbs.	List	NET EACH
57 DU 520	FC-100	100 cps	90°x120°	20 1/2"	10 1/2"x20 1/2"	12	\$50.00	29.40
57 DU 521	AR-150	150 cps	85°	17"	21"	8	34.00	19.99

DRIVERS FOR ABOVE HORNS

Can be used in both compound and re-entrant horns. Have double power ceramic magnets, edge-wound ribbon voice coils. T in type no. indicates with transformer. All have 16-ohm impedances. *For use in 70.7 v. systems.

Stock No.	Type	Range, Cps	*Watt Taps	Watts	Lbs.	List	NET
57 D 586	DC30A	150-10,000	.....	30	4 1/2	\$31.00	18.23
57 D 587	DC30T	150-10,000	30, 15, 5, 2.5	30	5 1/2	41.00	24.11
57 D 588	DC40	140-11,000	.....	40	6 1/2	40.00	23.52
57 D 589	DC40T	140-11,000	40, 20, 10, 5	40	8 1/2	52.50	30.87





With Famous Dual
Diameter Speakers
... Deliver Twice
the Sound Per Watt

Baffles Made
Exclusively for
ALLIED



8" Speaker
in Baffle
with L-Pad
Control



NOTE THE DIFFERENCE:

Utah Inverted Speaker

Standard Speaker

Utah . . . Deluxe Speaker-Baffle Combinations

8-OHM WALL SPEAKER-BAFFLE COMBINATION

Ruggedly constructed, tastefully styled and completely wired, it's a wonderful choice as an extension speaker for the recreation room or den. Delivers twice the sound per watt! Features dual-diameter 8" speaker with 10-watt capacity; L-pad volume control; 8-ohms impedance. 9 1/2"x12x6". Available in choice of mahogany, walnut or blonde finish. Shpg. wt., 6 lbs.

57 DX 552C. Specify Finish. **NET 13.95**

70.7-VOLT SPEAKER-BAFFLE. Above, but for systems with 70.7 volt outputs. With 70.7-volt transformer and L-pad. 7 lbs.

57 DX 553C. Specify Finish. **NET 15.95**

8-OHM SPEAKER ONLY. With wired L-pad, 18" cable. 3 lbs.

57 D 570. **NET 6.65**

70.7-V. SPEAKER. As above, for 70.7-v. systems. 4 lbs.

57 D 571. **NET 8.65**

BAFFLE ONLY. Mahogany, walnut, or blonde. 3 lbs.

57 DX 556C. Specify Finish. **NET 7.50**

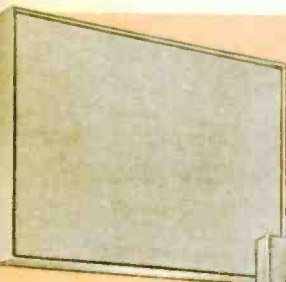
UNIQUE CEILING BAFFLE-SPEAKER

Eliminates the need of making ceiling cut-outs. This fine-performing speaker-baffle combination measures only 2 1/2" deep—quickly mounts on ceilings 3/4" to 1/2" thick with mounting hardware supplied. Perfect for tiled or regular ceilings in homes, offices, restaurants, department stores, etc.; gives excellent voice and music response. Uses the unique 8" inverted speaker developed by Utah to save space while assuring maximum operating range. This design shifts the magnet and voice coil to the front of the cone—increasing the dispersion pattern and offering wider distribution of sound. In addition, the speaker has efficiency and power-boosting dual-diameter design—resulting in increased economy in custom installations due to lower sound power requirements. Delivers twice the sound per watt. Capacity, 6 watts. Impedance, 8 ohms. Size, 2 1/2"x12 1/2"x12 1/2". Handsomely styled in beige. Finish may be repainted to match any existing color scheme. Shpg. wt., 7 lbs.

57 DX 518. **NET 8.95**

57 D 568. Inverted Speaker Only. 3 lbs. **NET 5.65**

Picture Thin WALL SPEAKER SYSTEM



With Bass
Woofers

Cone-Type
Tweeter

Bass Reflex
Tuned Port

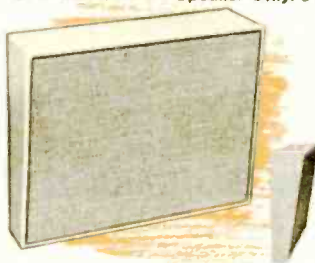
Ultra-Smart Styling

- Mounts Anywhere
- Easy to Connect
- Use with HI-FI or TV
- Includes Hardware

2-WAY WALL-MOUNTING SPEAKER SYSTEM

Add impressive sound to your home—without disturbing room decor. This fine-quality 2-way system is only 3" deep—may be hung on the wall just as easy as you hang a picture. Use it for high fidelity systems where floor space is limited or as a remote speaker to carry hi-fi music to other rooms in the home. System consists of 6x9" woofer with inverted construction and dual-diameter magnet structure design that provides twice the sound per watt; high efficiency 3x5" cone-type tweeter with 2000 cps crossover; and tuned port baffle for extended bass response. Screw slots and "S" hooks are provided for easy installation within a matter of minutes. Attractive modern styling and fine-furniture finish also makes it suitable for use in restaurants, clubs, schools and offices. Size, 12x18x3". Power handling capacity, 8 watts. Impedance, 8 ohms. In choice of mahogany, blonde or walnut—specify when ordering. Shpg. wt., 5 lbs.

57 DX 503C. Specify Finish. **NET 15.85**



Extra Thin WALL BAFFLE and SPEAKER

Utah's Exclusive Thin
Profile Speaker-Baffle
with Inverted, Dual-
Diameter Speaker

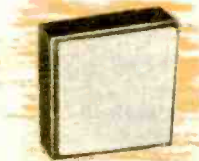
EXTRA-THIN SPEAKER-BAFFLE COMBINATION

Here's a streamlined, thin silhouette sloping baffle that can be hung anywhere. Excellent for offices, dens, patios, and other extension applications. Features the remarkable 8" inverted speaker designed by Utah to give twice the sound per watt. Comes complete with all hardware and instructions plus convenient-screw terminal connections. Size, 9" high, 12" wide, and 4" deep. Power handling capacity is 6 watts. Impedance is 8 ohms. Available in choice of three handsome woodgrain finishes, mahogany, blonde, or walnut. Finish may be repainted to match surrounding decorative motif. Grille cloth matches finish ordered. Shpg. wt., 3 1/2 lbs.

57 DX 501C. Specify Finish. **NET 10.82**

LOW-COST EXTENSION SPEAKER-BAFFLE

- All-Metal Construction
- Use Indoors or Outdoors
- Handles 8 Watts of Power
- Simple to Install and Use

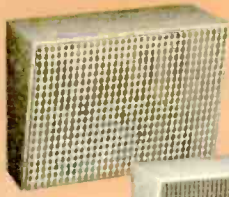


Compact and lightweight, this Utah all-metal baffle and 8" speaker combination gives highly realistic reproduction of voice and music. Handy screw terminals for simple installation. For indoor or outdoor use. 9 1/2"x10 1/2"x3 1/2". Capacity, 8 watts. Impedance, 8 ohms. Walnut vinyl finish. Shpg. wt., 5 lbs.

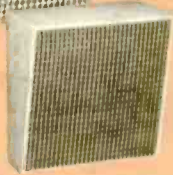
57 DX 514. **NET 6.35**

Popular High-Efficiency Baffles By ...

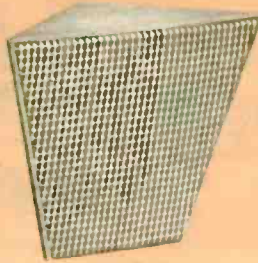
Argos



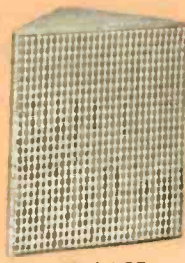
Model PB



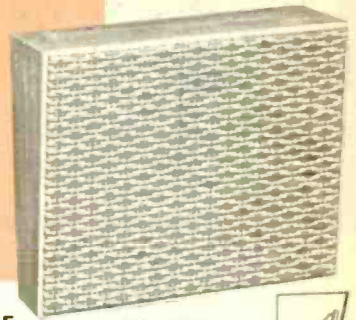
Models DWB/WB



Model SCB



Model CB



"PRESTIGE" WALL-MOUNTED BAFFLES

New rectangular shape—ideal where extra air volume and larger appearance are needed. Give almost twice the internal volume with far better tone. Include "Speedy Mounting" clips for easy hanging. Wood-grained pyroxylin covered with plastic grilles. Available in walnut or blonde—specify choice.

Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-UP, EA.
57 DX 527C	PB-8A	10 $\frac{1}{2}$ x14x7"	8"	4	5.73	5.42
57 DX 528C	PB-12A	13 $\frac{1}{2}$ x18 $\frac{1}{4}$ x9"	12"	7	8.09	7.65

DELUXE WOOD WALL BAFFLES

Beautifully finished baffles for the finest surroundings. Of genuine birch with durable plastic grille. With all hardware and mounting clips. Specify choice of walnut or blonde.

Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-UP, EA.
57 DX 523C	DWB-8A	10 $\frac{1}{2}$ x9 $\frac{1}{4}$ x6 $\frac{1}{8}$ "	8"	3	5.88	8.23
57 DX 524C	DWB-12A	14x13 $\frac{1}{2}$ x9 $\frac{1}{8}$ "	12"	5	5.60	7.80

LOW-COST WALL-MOUNTED BAFFLES

Wood, pyroxylin covered baffles. Can be washed or repainted. With hardware. Specify walnut or blonde finish.

Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-UP, EA.
57 D 590C	WB-4/5C	6 $\frac{1}{2}$ x6 $\frac{1}{4}$ x4"	4-5"	1 $\frac{1}{2}$	2.89	2.73
57 D 592C	WB-6C	8 $\frac{1}{2}$ x7 $\frac{1}{4}$ x5"	6"	2	3.53	3.34
57 D 591C	WB-8C	10 $\frac{1}{2}$ x9 $\frac{1}{4}$ x6 $\frac{1}{2}$ "	8"	3	4.22	3.98
57 DX 525C	WB-10C	12 $\frac{1}{4}$ x11 $\frac{1}{4}$ x7 $\frac{1}{4}$ "	10"	4	5.00	4.73
57 DX 526C	WB-12C	14x13 $\frac{1}{2}$ x9"	12"	5	5.73	5.42

SLANTING-FRONT CORNER BAFFLES

New "Clip-In" front goes on or off in seconds without front screws—entire cabinet mounts easily on wall with "Speedy Mounting" clips. Screw terminals; bass reflex; acoustic padding. Wood-grained pyroxylin covered—walnut or blonde, specify.

Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-UP, EA.
57 DX 510C	SCB-8D	15x17 $\frac{1}{4}$ x9"	8"	6	8.18	7.73
57 DX 511C	SCB-12D	20x20 $\frac{1}{2}$ x10 $\frac{1}{2}$ "	12"	8	11.02	10.42

STRAIGHT-FRONT CORNER BAFFLES

As above, but straight-front. Specify blonde or walnut.

Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-UP, EA.
57 DX 512C	CB-8D	14x12 $\frac{1}{4}$ x6 $\frac{1}{2}$ "	8"	5	7.35	6.95
57 DX 513C	CB-12D	20x18x9"	12"	9	10.55	9.97

NEW THINLINE BAFFLES WITH JENSEN SPEAKERS

Extra-Thin—Modern Looking and Heavy-Duty Profile Speakers



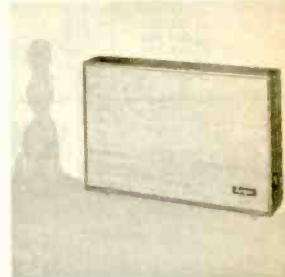
Modern-looking, space-saving baffles complete with ceramic-magnet speakers—optional L-pad and/or 70.7 volt transformer—installed and wired. Screw terminals. Pyroxylin covering for lasting beauty. Speedy mounting clips for easy set-up. Series 208 are 8", 15 watt rating. Series 212 are 12", 18 watt. Type 108 is 8", 6 watt, for background music. Letter L under model number indicates L-pad; T indicates 70.7 volt transformer. All speakers are 8 ohm impedance. Available in choice of walnut or blonde finish—specify when ordering.

Stock No.	Model No.	Baffle Size	Wt., Lbs.	NET EACH	
				1-5	6-Up
57 DX 505C	WB-108AS	9 $\frac{1}{2}$ x12x4 $\frac{1}{4}$ "	4	7.01	6.61
57 DX 506C	WB-208S	9 $\frac{1}{2}$ x12x4 $\frac{1}{4}$ "	5	10.19	9.68
57 DX 824C	WB-208ST	9 $\frac{1}{2}$ x12x4 $\frac{1}{4}$ "	5	12.59	11.97
57 DX 507C	WB-208SL	9 $\frac{1}{2}$ x12x4 $\frac{1}{4}$ "	5	12.59	11.97
57 DX 825C	WB-208SLT	9 $\frac{1}{2}$ x12x4 $\frac{1}{4}$ "	5	14.99	14.24
57 DX 508C	WB-212S	13 $\frac{3}{4}$ x16x6 $\frac{1}{4}$ "	8	14.85	14.10
57 DX 826C	WB-212ST	13 $\frac{3}{4}$ x16x6 $\frac{1}{4}$ "	9	17.25	16.39
57 DX 509C	WB-212SL	13 $\frac{3}{4}$ x16x6 $\frac{1}{4}$ "	8	17.25	16.39
57 DX 827C	WB-212SLT	13 $\frac{3}{4}$ x16x6 $\frac{1}{4}$ "	9	19.65	18.67

New "Petite" System

Ultra-compact 2-way speaker system with Jensen-designed woofer/tweeter. Gives deep, rich bass, clean highs. Use anywhere—shelf, table, wall or floor. Has brass legs and wall hangers. Includes volume control recessed in side. Uses screw terminals, polarized for stereo. 18x12x3 $\frac{1}{4}$ ". Hand-rubbed oiled walnut. Capacity, 6 watts. Impedance, 8 ohms. 10 lbs.

57 DX 828. NET 24.40



Selected Public Address Speakers and Line Transformers

STANDARD SPEAKERS AT SPECIAL PRICES

A selection of low-cost, utility speakers ideally suited for indoor P.A. use and replacement. Impedance, 3.2 ohms. Made in U.S.

Stock No.	Size	Watts	Magnet Wt.	Lbs.	1-11, EA.	12-UP, EA.
57 D 593	8"	8	2.15 oz.	1 $\frac{1}{2}$	3.29	2.91
57 D 594	8"	10	3.16 oz.	3	3.68	3.19
57 D 595	8"	12	6.8 oz.	4	5.15	4.41
57 DX 533	12"	12	3.16 oz.	4	4.97	4.32
57 DX 534	12"	15	6.8 oz.	5	6.31	5.46
57 DX 535	12"	25	10.0 oz.	5	8.19	7.11

LINE-TO-VOICE-COIL TRANSFORMERS

*25 volt; †70.7 volt. Sec. Imp. 4, 8, 16 ohms. Av. wt., 1 lb.

Stock No.	Watt Taps	Size	1-11, EA.	12-UP, EA.
57 D 820	15, 2.5, 1.25, .62, .31	1 $\frac{1}{2}$ x3 $\frac{1}{2}$ "	1.85	1.69
57 D 821	110, 5, 2.5, 1.25, .62	5 $\frac{1}{2}$ x3 $\frac{1}{2}$ "	1.99	1.85
57 D 822	*5, 2.5, 1.25, .62, .31	5 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	1.99	1.85
57 D 823	*10, 5, 2.5, 1.25, .62	7 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	3.10	2.59

Quam

QUALITY P.A. SPEAKERS

Rugged speakers featuring Alnico V magnets, heavy, baked aluminum enamel finish, Adjust-A-Cone suspension for precise voice-coil centering. All are 8-ohm impedance. With transformer mounting bracket. 8A6PAOT is weather-proofed. *Ring-type magnet.



Stock No.	Mfr's Type	Size	Watts	Magnet Wt.	Lbs.	EACH
57 D 650	8A21PA	8"	8	2.15 oz.	1 $\frac{1}{2}$	4.82
57 D 651	8A31PA	8"	10	3.16 oz.	2	5.59
57 D 654	8A4PA	8"	12	4.64 oz.	3	6.47
57 D 655	8A6PA	8"	12	6.8 oz.	4	7.64
57 D 599	8A6PAOT	8"	12	6.8 oz.	4	8.06
57 DX 536	12A31PA	12"	12	3.16 oz.	4	7.03
57 DX 537	12A4PA	12"	15	4.64 oz.	4	8.38
57 DX 538	12A6PA	12"	15	6.8 oz.	4	9.38
57 DX 539	12A10PA*	12"	25	10.0 oz.	4	11.73

soundolier

Ceiling and Wall-Mounting Baffles



\$7.95
Pkg. of 5

BUY IN BULK AND SAVE!

Take advantage of lot-price savings on Soundolier ceiling/wall baffles.



NEW!



A MODEL 51-8 TRIM RING BAFFLE. Low-cost steel baffle for extremely fast installation. Offers attractive flush appearance when installed—may be painted to suit any decorative motif. Requires 8½" hole in ceiling. For use with 95-8 protective enclosure, right. Outer dia., 12½". Shpg. wt., per pkg., 1 lb. 5 per package.

57 DX 502. PACKAGE OF 5..... NET 7.95

B NEW MODEL 210-8 WIDE-ANGLE SURFACE CEILING BAFFLE. Mounts in outlet box or ceiling. 18-gauge aluminum steel grille; white outer finish. Acoustical horn design for wide response. Takes 8" speaker. 4¼x14¼" dia. Wt., 4 lbs.

57 DX 834. 5-Up, EACH..... 11.00 1-4, EACH..... 12.54

57 DX 835. Model 210-12 Baffle. As above, for 12" speaker. 6½x18¼" dia. 6½ lbs. 5-Up, EACH..... 13.50 1-4, EACH..... 15.39

C MODEL 169-8 TRIM SQUARE BAFFLE. 24-gauge steel; white. Mtg. hdwe.; less spkr. Fits 193-8 below. 10¼" sq; 1½ lbs.

57 DX 554. 5-Up, EACH..... 2.08 1-4, EACH..... 2.37

MODEL 193-8 ENCLOSURE. All-welded, undercoated, rust-resistant. 4 conduit knockouts. Less spkr. 9¼x9¼x3¼". 3¼ lbs.

57 DX 555. 5-Up, EACH..... 3.47 1-4, EACH..... 3.96

MONEY-SAVING SPEAKER-BAFFLE PACKAGES

Consist of baffle, 8" speaker and transformer. Utah speaker has 3.16-oz. magnet; 40-15,000 cps response. Transformer has 2 1/5 ohms, 70.7-v. taps.

Stock No.	Mfr's Type	Includes Baffle No.	Wt., Lbs.	NET EACH	
				1-4	5-Up
57 DX 837	PK-51-8	51-8	3½	9.18	8.05
57 DX 838	PK-61-8	61-8	3½	9.94	8.56
57 DX 839	PK-67-8	67-8	4	11.33	9.95
57 DX 830	PK-68-8	68-8	3½	13.72	12.04
57 DX 831	PK-169-8	169-8	3	9.18	8.05

D NEW MODEL 23-8 SURFACE CEILING BAFFLE. Low ceiling brushed aluminum baffle, designed to eliminate beaming. Ported body gives extended bass response. Jute lining, undercoating and concentric reinforcement rings prevent mechanical and acoustical resonances. Mounts directly to ceiling with 4 toggle bolts. Takes 8" speaker. Size, 5¼x16¼" diameter. Shpg. wt., 4 lbs.

57 DX 836. 5-Up, EACH..... 11.00 1-4, EACH..... 12.54

E SERIES 95 PROTECTIVE ENCLOSURES. Protective enclosures (cans) for installation in new or existing ceilings. To install in existing ceilings, enclosures are mounted through four holes in flange. For new construction, 4 straps allow use in any thickness of plaster. Have undercoating, jute lining. Less spkr.

Stock No.	Model	For Use With:	O.D.	Depth	Lbs.	1-4, EA.	5-Up, EA.
57 DX 550	95-8	61-8, 67-8, 68-8	9¼"	4¼"	7	4.88	4.26
57 DX 551	95-12	61-12	14¼"	7"	8	7.01	6.15

F SERIES 61 TRIM RING BAFFLES. Highly polished, 20-gauge steel trim ring baffles. Offer attractive flush appearance when installed; will not buckle or "give" when bolts are driven in place. Less speaker. Hole size required: 61-8, 8½", 61-12, 12½".

Stock No.	Model	Speaker	Enclosure	O.D.	Lbs.	1-4, EA.	5-Up, EA.
57 DX 548	61-8	8"	95-8	12¼"	7	2.95	2.58
57 DX 548	61-12	12"	95-12	17"	1	7.01	6.15

G MODEL 67-8 LOUVERED BAFFLE. Similar to air diffusers in appearance. Welded construction; vibration and rattle-free. For 8" speakers only. O.D., 12". Hole size required, 10¼". Use with 95-8 enclosure, above. Shpg. wt., 1½ lbs.

57 DX 546. 5-Up, EACH..... 3.98 1-4, EACH..... 4.53

H MODEL 68-8 LOW-CEILING BAFFLE. Attractive styling. Has satin-brushed aluminum sound diffactor to avoid beaming in low-ceiling use. For 8" speakers. O.D., 12½". Requires 8½" hole. Use with 95-8 enclosure, above. 2 lbs.

57 DX 547. 5-Up, EACH..... 6.07 1-4, EACH..... 6.93

NEW! GUARDIAN "Protecto-Com"... Serves You 2 Ways

2-STATION INTERCOM/FIRE DETECTION UNIT

\$6143

Complete

- Front Door Communication from Any Room in Your Home
- Fire Detection System—Sets Off Loud Alarm Through All Units
- Completely Transistorized; Operates from Chime Transformer

MODEL PC-12A. Security—convenience—fire detection—all at low cost! Flick a switch to learn the identity of callers at your door; press a button to admit them. Add an extra indoor remote station for 2-way communication within the home, besides front door monitoring. Inconspicuous, U.L. Approved fire detection thermostats set off alarm signal through all stations at first sign of fire.

System includes: transistorized Amplifier-Fire Oscillator; one IR-6 Indoor Remote Station; one OR-1 Outdoor Remote Station; three FB-2, one FB-3 Fire Detecting Thermostats; 50 ft. of 6-cond. Wire; 150 ft. of 2-cond. Wire. Any number of additional thermostats, or indoor/outdoor remotes may be added. System requires no power outlet; operates from your doorbell transformer. Intercoms may be surface-mounted with RH-4

Mount, below. Gold-anodized aluminum stations, 6x4½x2"; thermostats, ¾x1½" dia. System shpg. wt., 9 lbs.

58 RX 001..... NET 61.43

58 R 002. IR-6A Indoor Remote Station. Wt., 1½ lbs..... NET 10.26

58 R 003. OR-1 Outdoor Remote Station. Wt., 1 lb..... NET 6.56

58 R 028. FB-2 Thermostat. Trips at 140° Wt., 3 oz..... NET 2.84

58 R 005. FB-3 Thermostat. 200°..... 2.84

58 R 006. EP-3 Emergency Power Supply. Includes battery—plugs into amplifier. Automatically activated if power fails; has trickle charge feature. 3 lbs..... 33.95

58 R 007. RH-4 Surface Mount. ½ lb. 1.42

58 R 008. AW-9 8-Cond. Cable. 150' 5.00

58 R 009. AW-10 8-Cond. 500 ft. Shpg. wt., 23 lbs..... NET 17.08



Indoor Station



Outdoor Station



Heat Sensitive Thermostats

THERMOSTATS

System includes four place-anywhere, U.L. Approved, fire detection thermostats. Three Type FB-2 thermostats trigger alarm at temperatures over 140°; one Type FB-3 thermostat triggers alarm at temperatures over 200°.

Custom Built-In Radio-Intercoms for the Home



Net \$73²⁸

"ECONOMY" COMBINATION
5-Station Intercom-AM System

DELUXE FM-AM MASTER

Net \$100⁹⁷

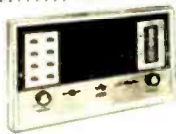
MODEL 2031 5-STATION AM RADIO-INTERCOM SYSTEM. Plays music through any remote. Remotes can call each other. Inside stations have vol. control, privacy switch. Master has phono input. 8 station capacity. Includes: Master; three Model 2025 Inside Remotes; Model 2006 Door Remote; 200 ft. of Cable; Antenna. Master panel 16x8 1/2 x 1 1/2"; box is 7 3/4 x 14 1/2 x 1 3/4". Remotes described below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 21 lbs.
58 RU 038. NET 73.28

MODEL 2058 DELUXE FM-AM BROADCASTER. Magnificently styled, this radio-intercom master station distributes FM or AM programs to up to 10 individually selected remotes. Remote stations can originate calls and converse with one another. Automatically lowers music volume during calls. Transistorized intercom amplifier for silent, hum-free background; has phono input, tone control, 4x8" speaker. Easy to install. Copper-anodized aluminum panel is 15 1/2" x 10", extends 2 1/4" from wall; box is 7 1/2" x 14 1/2". fits new 2" walls. 8 tubes, 1 transistor. With antenna wire; less remote stations, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 16 lbs.
58 RX 032. NET 100.97

DELUXE AM "BROADCASTER"

MODEL 2053. Same as 2058 at right but, AM only. Silver anodized panel. 9 1/2 lbs.
58 RX 037. NET 55.65

58 RX 084. Model 2054. Same as above, but copper finish panel. NET 55.65



58 RX 033. Model 2057. Same as above, but front panel of silver-anodized aluminum. NET 100.97

A 2026 DELUXE INDOOR REMOTE. Flush mtg. 5" speaker, vol. control, privacy switch. Sand and gold. Panel, 8 1/2 x 6 3/4"; box, 8 1/2 x 5 1/2 x 1 1/2". Wt., 2 1/2 lbs.
58 RX 034. NET 5.67

58 RX 035. 2025 Economy Remote. As above, but 4" speaker. Wt., 2 1/4 lbs. NET 4.68

C 58 RX 041. 2020-B Hi-Fi Remote. 8" coax spkr. Walnut, gold. 5 1/2 lbs. NET 17.17

D 58 RX 036. 2006 Door Remote. Listen-talk switch; 3" speaker. Gold panel, 4 3/4 x 5 7/8"; box, 5 7/8 x 4 3/4 x 1 3/4". 1 1/2 lbs. 5.00

58 RX 042. 2411-A Rough-In Frame. For above. 12 1/2 x 20". 1 3/4 lbs. NET 1.51

3-CONDUCTOR INTERCOM CABLE

58 RX 039. 200' Roll. 2 lbs. 4.48

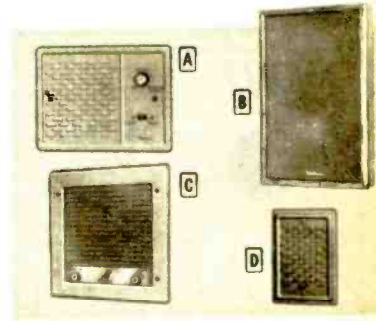
58 RX 040. 1000' Roll. 4 1/2 lbs. 16.33

58 RX 085C. Door Chime. Walnut or Lined Oak finish—specify. 6 lbs. NET 22.18

58 RX 083. 50' Roll of 8-Conductor Cable. Use with 2416 Remote. left NET 3.97

B NEW 2419 DELUXE HI-FI SPEAKER SYSTEM. 12" woofer, two 3 1/2" tweeters. For complete intercom and volume control, use with 2416 Remote Control below. 28 3/16 x 17 3/16 x 4". Oil walnut.
58 RX 081. Shpg. wt., 28 lbs. NET 59.97

58 RX 082. 2416 Inside Speaker Remote Control. For above; with rough-in box. 12 1/2 x 4 1/2". Shpg. wt., 5 lbs. NET 19.84



TALK-A-PHONE All-Transistor Intercom System

CENTRAL MASTER AND STAFF UNITS

Communicate with up to 8 stations. Each system requires a Central Master unit and either a 4F6H 9-Volt Battery or an HI-PS AC Power Supply. Other stations may be any combination of Staff units and Indoor or Outdoor Subs. Staffs and Master(s) can originate calls to and converse with any station. Subs do not originate calls, can talk with any station except another Sub. All feature private or non-private operation, except outdoor Subs, non-private. When set for private use, station must press switch. HI-9R Central Master lets any station except Outdoor Sub hear AM radio programs. Gold and satin-silver finished panels. Flush mounting. Central masters. Staffs include 4 3/8 x 14 1/8 x 3 1/2" plaster rings. Masters have 15 1/4 x 5 1/4" front panel.

HI-9 CENTRAL MASTER. 8-station capacity. 7 lbs. List, \$99.50.
58 RX 078. NET 58.00

HI-9R CENTRAL MASTER. Like HI-9, with AM radio. 8 lbs.
58 RX 079. List, \$154.00. NET 89.50

58 RX 080. HI-8 Staff. 8-station capacity. 7 lbs. List, \$54.00. 31.51



CABLE REQUIREMENTS. Central Master and Staffs: Use 6226 cable. Measure from 1st unit to 2nd, 2nd to 3rd, etc., and total. Or, use a junction box, which may be placed anywhere, and measure from each station to junction box. Subs: Connect to nearest Staff or Central Master. Use 6206 cable for Indoor Sub, 6202 for Outdoor Sub. Battery or power supply: Connect to Central Master with 6202 cable.

49W 615. 6226 CABLE. 12 lbs. per 100' NET PER FT. 28c

49W 621. 6202 CABLE. 4 lbs. per 100' NET PER FT. 3 1/2c

49W 622. 6206 CABLE. 3 lbs. per 100' NET PER FT. 8 1/2c

SUB-STATIONS AND SYSTEM ACCESSORIES

HI-1 OUTDOOR SUB. Illuminated name-plate, push-button. Fits 2" sq. x 2" deep wall opening. 5 3/8 x 3 3/8". Wt., 1 1/2 lbs.
58 R 127. List, \$27.50. NET 15.95

HI-2 INDOOR SUB. Mounts in 2" sq. x 2" deep wall opening. 5 3/8 x 3 3/8". Wt., 1 1/2 lbs.
58 R 129. List, \$27.50. NET 15.95

NEW HI-4 WALL-MOUNT STAFF. Mounts in 6 1/2 x 4 1/2 x 2" wall opening. Can call or talk to any 3 Indoor or outdoor stations in system. 7 3/16 x 4 1/4". NET 17.50

58 R 135. List, \$29.95. NET 17.50

T-SM-L SURFACE MOUNT ACCESSORY. For HI-4 above
58 R 136. List, \$7.80. NET 4.60

HI-SM HOUSING ASSEMBLY. Permits Central Master or 8-station staff to be placed on table, mounted on wall, installed on cabinet. 6 x 15 1/2 x 4". 2 1/2 lbs. NET 11.00

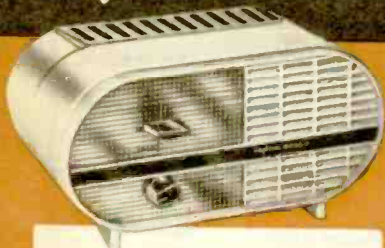
58 R 130. List, \$19.00. NET 11.00

58 R 131. 8-Station Junction Box. 1 3/4 x 8 3/4 x 8". 1 lb. NET 4.00

58 R 132. HI-PS AC Power Supply. For operation from 110-120 v., 50-60 cycle AC. 3 x 5 x 2". 5 lbs. List, \$27.50. NET 15.95

55 J 021. 4F6H 9-Volt Battery. Powers complete system. 8 1/2 x 4 1/2 x 5 1/2". Wt., 9 lbs. List, \$7.50. NET 5.53

FANON-MASCO



NEW! ALL-TRANSISTOR
\$5287 2-STATION
WIRELESS
INTERCOM

FW-40. No wiring or warm-up time necessary—just plug each station into an AC outlet and begin talking. You can even communicate between nearby buildings on the same line transformer. Beige and gold plastic cases, $4\frac{1}{2} \times 8\frac{1}{2} \times 5\frac{1}{4}$ ". For 110-120 v., 50-60 cycle AC. Wt., 7 lbs.

58 **RX 106.** List, \$89.95...NET **52.87**

58 **R 107.** Extra Station. 3 lbs...NET 27.20

58 **RX 108.** FW-50B. As above, but high-power. Tube type 7 lbs...NET 61.69

58 **R 109.** Extra Station. 3 lbs...NET 31.61

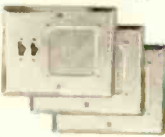
NEW! FLUSH-WALL INTERCOM

\$5277

\$5 monthly



Master



Outdoor Remote

Indoor Remotes

4404. Easily installed and transistorized, consisting of: one 5-station Master; 3 indoor and 1 outdoor remotes; complete installation package. Operates from one 9-v. battery. Allows 2-way conversations and monitoring. Wall space: Master, $4\frac{1}{2} \times 10\frac{1}{2} \times 3\frac{1}{2}$ "; Remote, $3\frac{1}{4} \times 5\frac{1}{2} \times 2$ "; Panel: Master, $5\frac{1}{2} \times 11\frac{1}{4}$ "; Remote, $4\frac{1}{2} \times 6\frac{1}{2}$ ". Chrome. Less battery, below. 16 lbs.

58 **RX 139.** List, \$89.95...NET **52.77**

58 **R 140.** BC Extra Indoor Remote. For use with above. Shpg. wt., 1 lb...NET 5.83

80 **J 666.** 9-v. Battery. 3 oz...NET 1.26

WIRELESS "BABY-COM"



RB-1. Hear your child's voice from the bedroom or playroom through any AM radio. Just plug "Baby-Com" into an outlet. Blue and pink case. $4\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{4}$ ". For 110-120 v., 50-60 cycle AC-DC. 4 lbs.

58 **R 134.** List, \$24.95...NET **14.65**

Intercoms for Modern Living

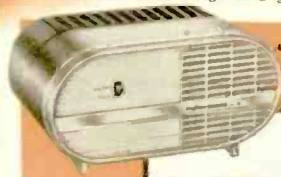


2-STATION
INTERCOM
\$2342



FX-2B. Dependable, budget-priced Intercom system offering clear intelligibility and attractive styling. Consists of Master, Remote and 50 ft. of 3-cond. cable (add more if desired—see 47W362, below right). Remote needs no power—place it anywhere. Two-tone beige and gold styrene

cabinets. Size: $8\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{4}$ ". For 110-120 volts, 50-60 cycle AC or DC. U.L. Approved. 6 lbs. \$5 Monthly
58 **RX 110.** List, \$39.95...NET **23.42**
58 **FB EXTRA REMOTE.** With 50-ft. 3-cond. cable. Attach to Master. 2 lbs.
58 **R 111.** List, \$13.25...NET 7.79



Remote

"MANAGER" SERIES INTERCOMS

SPECIAL OFFER!

Reg. \$140.52
SAVE \$10.57

Order 6 FX-6B Masters, and save \$10.57 on this system. You get 6 stations for only \$129.95!



Master

ALL-MASTER SYSTEM. Up to 6 FX-6B (or 11 FX-12B) Masters. Can handle up to 3 (or 5) simultaneous private conversations. FX-12B can call all stations at once, and can be made non-private. 7-cond. cable for FX-6B; 1 twisted pair for each FX-12B.

MASTER-REMOTE SYSTEM. An FX-6B Master and up to 5 Remotes, or an FX-12B and up to 10 Remotes. Remotes cannot call each other. FX-6B uses 3-cond. cable to each Remote; FX-12B uses 1 shielded cable plus 1 conductor for each Remote. FX-6B, FX-12B and FCB in two-tone beige. $8\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{4}$ ". For 110-120 v., 50-60 cycle AC. Less cable.

FX-6B 6-STATION MASTER. Shpg. wt., $3\frac{1}{2}$ lbs. Order 6 and Save!
58 **R 112.** List, \$39.95...NET Each **23.42**

FX-12B 12-STATION MASTER. Shpg. wt., 4 lbs. List, \$47.50
58 **R 105.** ...NET **27.83**

MODEL FCB REMOTE. 2 lbs.
58 **R 115.** List, \$13.95...NET **8.23**

INTERCOM CABLE. Indoor-outdoor type.

Stock No.	Cond.	Wt., 100'	NET PER 100'
47 W 793	1 (shld.)	1 $\frac{1}{4}$ lbs.	3.09
47 W 362	3	2 lbs.	2.43
47 W 322	7	4 $\frac{1}{2}$ lbs.	6.03
48 W 894	18	6 $\frac{1}{2}$ lbs.	7.94

MULTI-CHANNEL TELEPHONE INTERCOM SYSTEMS



- No Switchboard Needed
- Dial-Operated Masters
- Selective Calling

ALL-MASTER SYSTEM. Up to 11 phones. Full trunkage. Permits as many 2-way channels as there are pairs of phones.

MASTER-REMOTE SYSTEM. Up to 1 Master and 10 Remotes. Has single, common-talking line, but Master can set up conferences with Remotes.

INTER-MIX SYSTEM. Allows use of multiple Masters. Each Master takes up to 11 Remotes, less no. of Masters.

1010 MASTER. Coiled cord. Pearl gray case. $5 \times 7\frac{1}{2} \times 5\frac{1}{4}$ ". Requires 6-8 v. DC (see power supply below). $3\frac{1}{2}$ lbs.
58 **R 098.** List, \$74.95...NET **44.05**

101 REMOTE. Similar in appearance to above, but less dial. Wt., 3 lbs.
58 **R 099.** List, \$47.50...NET **27.93**

58 **R 101.** PSA Power Supply. Use one for every 6 phones. For 110-120 v., 50-60 cycle AC. 4 lbs. List, \$29.95...NET **17.59**

CABLE. All-Master: 1 twisted-pair, plus 1 pair per phone. **Master-Remote:** 3 conductors, plus 1 conductor per phone. **Intermix:** Combination All-Master and Master-Remote.

CABLE FOR ALL-MASTER SYSTEM AND MASTER-REMOTE SYSTEM

Stock No.	Pairs	Lbs. Per 100'	Per Ft.	100' or more, Per 100'	Cond.	Lbs. Per 100	100-Ft. Spool Stock No.	NET
48 W 892	3	3 $\frac{1}{2}$	5c	3.82	4	2 $\frac{1}{2}$	47 T 370	2.94
48 W 759	4	4	5c	4.26	5	2 $\frac{1}{2}$	47 T 380	3.63
48 W 893	6	4 $\frac{1}{2}$	7c	5.88	7	4	47 T 310	5.29
48 W 894	9	6 $\frac{1}{2}$	9 $\frac{1}{2}$ c	7.94	8	4 $\frac{1}{2}$	47 T 320	6.03
48 W 898	11	8	13c	10.73	8	5 $\frac{1}{4}$	47 T 330	6.27
49 W 845	13	11	15c	12.15	9	5	47 T 340	7.01

Versatile Intercom Systems

progress

ALL-TRANSISTOR "INTERCOMPACT" SYSTEMS

WI-60 MASTER-REMOTE SYSTEM. Consists of: one Remote and one Master (accepts up to 3 Remotes); 50 ft. 3-cond. cable; terminal box and hardware. Remote needs no outlet and can call Master. In pleasing Desert Sand finish. Master and Remote, 4x6 1/4 x 5 3/4". For 110-120 volts, 60 cycle AC.

WI-60 MASTER-REMOTE. 2 stations. Shpg. wt., 7 lbs.
58 RX 012. List, \$50.75. \$5 Monthly **NET 34.20**

IR-7 ADDITIONAL REMOTE. Shpg. wt., 2 lbs.
58 R 013. List, \$10.75 **NET 7.30**

58 R 016. 3-Cond. Cable. Wt., 4 1/2 lbs. **PER 150 ft. 1.95**

58 R 017. 3-Cond. Cable. Wt., 15 lbs. **PER 500 ft. 6.50**

WI-65 ALL-MASTER SYSTEM. For up to 7 stations. Stations can be private or non-private and can call one or all others. Less cable, below. With terminal box and hardware. Powered by MA-66 Power Supply (below). Desert Sand finish. 4x6 1/4 x 5 3/4".

WI-65 MASTER. Up to 7 for All-Master System. 3 lbs.
58 R 014. List, \$25.50 **NET 17.20**

MA-66 POWER SUPPLY. For 110-120 v., 60 cycle AC. Transistorized. Size, 3x5x13". One required per system. 5 lbs.
58 R 015. List, \$45.75 **NET 30.80**

58 R 018. 9-Cond. Cable. Wt., 13 lbs. **PER 250 ft. 21.40**



WI-65

As Low As
\$3420

MASTER AND MASTER-REMOTE SYSTEMS



WI-60

ALL-TRANSISTOR WIRELESS INTERCOM

- 2-Way Conversation
- Desert Sand Finish
- Monitoring Facility
- Minimum Interference

CI-50 TWO-STATION INTERCOM. Draws less current than an electric clock. Accepts any number of extra stations (see below) on same line transformer. Has press-to-talk switch with lock control. Size of each station: 4x6 1/4 x 5 3/4". For 110-120 v., 50-60 cycle AC. Shpg. wt., 5 lbs. \$5 Monthly

58 RX 031. List, \$75.25 **NET 52.75**

58 R 102. Extra Station. 3 lbs. List, \$37.60 **NET 26.38**

58 R 103. Wall Mtg. Bracket. 3 oz. List, 50c **NET 35c**

CP-70 WIRELESS PAGING MASTER. Plugs into AC outlet to any number of speakers (below) on same transformer line. For 110-120 v., 60 cycles. 4x6 1/4 x 5 3/4". Shpg. wt., 2 1/2 lbs.
58 R 010. List, \$43.25 **NET 29.25**

CP-71 HORN SPEAKER-AMPLIFIER. For use with CP-70 Master. All-transistor. Has screwdriver-type volume control and built-in squelch control. With 8-ft. cord. Spun aluminum—swivels 360°. Mtg. plate space, 9". Shpg. wt., 6 lbs.
58 R 011. List, \$60.75 **NET 41.05**



2-STATION WIRELESS SYSTEM

- Units Plug Into Any AC Outlet
- No Warm-up Time

Net
\$5275
 \$5 monthly



TALK-A-PHONE Wireless Selective Systems

TWO-STATION WIRELESS SYSTEM

T-LC-33. Just plug each station into any outlet on the same power company line transformer and you establish instant communications. "Uni-Trans" switch permits dictating or listening. Cabinets are beautifully finished in charcoal gray and brushed chrome—resist effects of liquids

and air. Each unit, 3 1/8 x 10 1/2 x 8 3/4". For 110-120 volts, 50-60 cycle AC or DC. Shpg. wt., 16 lbs. \$5 Monthly

58 RX 056. List, \$138.00 **NET 79.90**

T-LC-17 ADDITIONAL STATION. Add any number—same as above units. 8 lbs.
58 RX 057. List, \$69.00 **NET 39.95**

NEW ALL-MASTER SYSTEMS

T-LCM MASTER STATION. Any Master can call any other, or selectively, all together. Charcoal gray and chrome finish. Plug each into outlet on same transformer line. 3 1/8 x 14 x 8 3/4". For 110-120 v.,

50-60 cycle AC-DC. U.L. Approved.

T-LCM 8906. To 6 stations. 10 lbs.
58 RX 043. List, \$136.00 **NET 79.50**

T-LCM 8912. To 12 Stations. 12 lbs.
58 RX 050. List, \$154.00 **NET 89.80**

NEW MASTER-AUXILIARY SYSTEM

T-LCS. Consists of one or more T-LCM Masters and any number of auxiliary stations, below. Auxiliary is on fixed channel—can reply but not originate. System offers selective area paging without expensive installation costs. Place one or more channel 1 auxiliaries in one room, one or more channel 2 in another, etc. Master can then page any area. Last digit in type no. of auxiliary indicates chan-

nel. 3 1/8 x 10 1/2 x 8 3/4". For 110-120 v., 50-60 cycle AC-DC. Wt., 7 lbs.

58 RX 044. T-LCS-901.

58 RX 045. T-LCS-902.

58 RX 046. T-LCS-903.

58 RX 047. T-LCS-904.

58 RX 048. T-LCS-905.

58 RX 049. T-LCS-906.

List Each,
 \$77.00
**NET EACH,
 45.00**

INTERCOMS OF QUALITY



T-LCM

WIRELESS... SELECTIVE



T-LCS

WITH "SONIC GATE"

Your voice goes through while hum and line noise are screened out.

Get 50% More Buying Power with Allied's Credit Fund Plan

Bogen . . . Advance-Design Intercom Systems



Master

NEW All-Transistor
No Warm-Up



Remote

Versatile All-Transistor Intercom

ALL-MASTER SYSTEM. An instant-operating intercom system, using up to six TIA-6, or up to twelve TIA-12 Masters. Any Master can call any other and, in a TIA-6 system, all simultaneously. Each Master has volume control, press-to-talk bar, and selector switch with "mute" position. All-transistorized. $3\frac{3}{8} \times 6$ ". Less cable (below)—use cable with one more conductor than the number of stations. For 110-120 v., 60 cycle AC.

MASTER-REMOTE SYSTEM. Consists of one TIA-6 Master and up to five RIA-1 Remotes; or one TIA-12 Master and up to 11 Remotes. Master can call any Remote, and in a TIA-6 system, all simultaneously. Remotes have press-to-talk bar, but can be used for non-private operation (controlled by jumper). Remotes can originate calls to Master. Size of Remotes, $3\frac{3}{8} \times 6$ ". Less cable (below)—use 3-conductor cable between Master and each Remote.

INTERMIX SYSTEM. TIM-12 Intermix Master Stations are used in systems with a total of 12 stations in any combination

of Masters and Remotes. Use either TIA or RIM-6 Remotes. RIM-6 Remote can initiate calls to any one of six TIM-12 Masters; RIA Remotes, only to one Master.

TIA-6 6-STATION MASTER. Wt., 4 lbs. **58 R 019.** List, \$54.40. **NET 34.45**

TIA-12 12-STATION MASTER. 4 lbs. **58 R 020.** List, \$63.75. **NET 38.25**

RIA-1 REMOTE. Calls only 1 Master. Called by any Master. $3\frac{1}{2}$ lbs. **58 R 021.** List, \$17.40. **NET 10.45**

TIM-12 INTERMIX MASTER. Permits mixing any combination of Masters and Remotes up to 12. Wt., 4 lbs. **58 R 022.** List, \$78.40. **NET 47.00**

RIM-6 REMOTE. Originates calls to any of 6 Masters. Wt., 4 lbs. **58 R 023.** List, \$39.00. **NET 23.40**

CABLE FOR INTERCOMS

48 W 825. 3-cond. 2 lbs. Per 100' 5.08
48 W 759. 8-cond. $4\frac{1}{2}$ lbs. Per 100' 4.26
48 W 894. 18-cond. 8 lbs. Per 100' 7.94

For Home, Office and Plant

Efficient
Intercom
Phone
Systems



NEW! Unlimited
Flexibility

TSD-20



TSD-1



POPULAR BOGEN "TQ" PHONE SYSTEMS

Selective ringing with common talk-line—permits conference calls. Supplied less cable and power supply (below). Select phone cable with 3 conductors more than number of phones. Size, $9\frac{1}{2} \times 3\frac{1}{4} \times 3\frac{1}{4}$ ".

58 R 116. 2—TQ-1 Phones. 5 lbs. List, \$51.45. **PER PR. 38.60**

58 R 118. TQ-6 Selective Ringing Phone. Up to 7 stations, 6 push-buttons. 3 lbs. List, \$27.95. **NET EACH 20.95**

58 R 119. TQ-12 Selective Ringing Phone. Up to 13 stations, 12 push-buttons. 3 lbs. \$34.25. **EACH 25.70**

58 R 133. PRS-1 Power Supply. $4\frac{1}{2} \times 6\frac{1}{2} \times 7\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. 4 lbs. List, \$30.00. **NET 22.50**

TRA PUSHBUTTON PHONE-PAGE ADAPTER. Adapts Bogen phones for paging through your P.A. system (use 3-cond. cable, below). Can handle music equipment. Powered by PRS-1 power supply (listed above). Size, $4\frac{1}{2} \times 4\frac{1}{2} \times 2$ ". Wt., 2 lbs. \$5 Monthly. **58 R 126.** List, \$42.20. **NET 31.65**

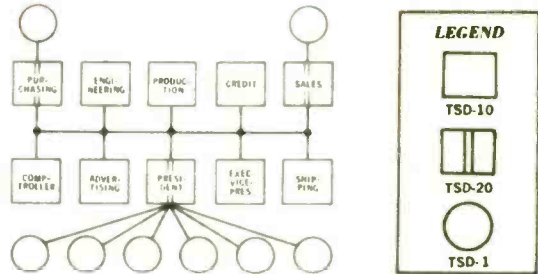
PRS-5 MULTI-MIX POWER ADAPTER. For combining TQ-6 or TQ-12 phones with up to 5 remote P.A. speakers and P.A. amplifier. Furnishes power and includes one relay. Accepts 4 more relays (below—one for each remote speaker). Size, $7\frac{1}{2} \times 11\frac{1}{2} \times 6$ ". For 110-120 v., 50-60 cycle AC. 10 lbs. \$5 Monthly. **58 RU 030.** List, \$147.37. **NET 88.42**

75 P 094. Plug-In Relay. Wt., 5 oz. **NET 7.45**

POWER AND PHONE CABLE

3-cond. for connecting power supply to system. Will provide top performance over 500' from supply to farthest phone.

Stock No.	Cond.	Lbs. per 100'	PER FT.	Per 100'
48 W 879	3	4	2½¢	1.91
48 W 892	6	½	5¢	3.82
48 W 893	12	6	7¢	5.88
48 W 894	18	¾	9½¢	7.94
49 W 845	26	11	15¢	12.15



SERIES TSD BOGEN-PHONES

An extremely flexible phone system adaptable to any need, and offering private (no eavesdropping), multi-conversation. Masters can converse with each other privately (up to 5 simultaneous private conversations in 10-phone system—10 in 20-phone system), or with others together (TSD-10 can call up to 9 stations individually or together; TSD-20 up to 19). TSD-1 Remote can receive calls from any Master but initiates them only to Master to which it is wired. Stylish phones can be used on desk or wall. Sizes: Masters, $3\frac{3}{8} \times 9\frac{1}{2} \times 3\frac{1}{4}$ "; Remote, $3\frac{1}{2} \times 9\frac{1}{2} \times 3\frac{1}{4}$ ". Use unshielded cable with 4 conductors more than the number of phones. Connect Remote with 5-conductor cable. Only 1 PRS-10 required for each system. Master's wt., $3\frac{1}{2}$ lbs.

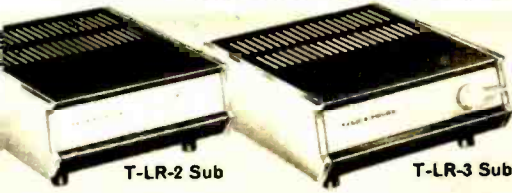
58 R 024. TSD-10 10-Station Master. List, \$45.65. **NET 34.25**

58 R 025. TSD-20 20-Station Master. List, \$53.25. **NET 39.95**

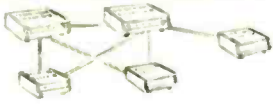
58 R 026. TSD-1 Remote. 3 lbs. List, \$33.25. **NET 24.95**

58 R 027. PRS-10 Power Supply. Size, 4×7 ". For 110-120 v., 50-60 cycle AC. 5 lbs. List, \$44.35. **NET 33.25**

Deluxe TALK-A-PHONE Systems



Easy-to-use intercoms with a "Built-in Brain" for dozens of practical, cost-saving applications.



Mixed Masters and Subs up to a total of 10. Masters call; Subs only answer.



One Master can communicate with up to total of ten Subs. Subs call Master, but not each other.



All Master-Station Systems. Each station can call and communicate with any other.

COMBINATION SYSTEMS

MASTERS AND SUBS. Master calls can be private or non-private. Masters and T-LR-2 Sub have steel cases in leather-texture gray vinyl and chrome. T-LR-2M Sub is finished in grained, baked enamel. T-LR-2R, flush wall mounting Sub, has stainless steel front panel. Sizes: Masters, $3\frac{1}{2} \times 10\frac{1}{2} \times 8\frac{3}{4}$ "; Desk Subs, $2\frac{1}{2} \times 7\frac{1}{2} \times 8\frac{3}{4}$ ". Built-in Sub: wall opening, $4\frac{1}{2} \times 4\frac{1}{2} \times 2$ " deep; front panel, $4\frac{1}{2}$ " sq. Less cable, below. For 110-120 v., 50-60 cycle AC-DC. J.L. Approved.

T-CL-5 MASTER. For use with 5-station systems. Shpg. wt., 7 lbs.

58 RX 063. List, \$72.00 **NET 42.00**

T-CL-10 MASTER. For use with up to 10-station systems. Wt., 8 $\frac{1}{2}$ lbs.

58 RX 064. List, \$87.00 **NET 51.00**

T-LR-2 SUB. Shpg. wt., 5 lbs.

58 RX 051. List, \$27.50 **NET 15.95**

T-LR-2M SUB. Shpg. wt., 5 lbs.

58 RX 065. List, \$21.00 **NET 11.95**

T-LR-2R BUILT-IN SUB. Wt., 4 lbs.

58 R 137. List, \$21.00 **NET 11.95**

HIGH-POWER SUBS. See listings in Accessory Box, below.

CABLE. Use 6210 with T-CL-5 Masters, 5226 with T-CL-10 Masters, 6902. Sub to Master.

49 W 617. 6210 Cable. Wt., 6 lbs. Per 100 ft. **NET PER FOOT 14c**

49 W 615. 6226 Cable. Wt., 12 lbs. Per 100 ft. **NET PER FOOT 28c**

49 W 613. 6902 Cable. Wt., 2 lbs. Per 100 ft. **NET PER FOOT 2c**

SYSTEM ACCESSORIES

HIGH-POWER SUBS. Answer Master; originate calls with special switch, below

58 RX 067. Model TC-20. 9" Trumpet Type. 15 watts. 5 lbs. List, \$44.95 **NET 26.50**

58 RX 066. Model THP-3. 8" Indoor Speaker. In charcoal gray metal baffle. 12x 12×18 ". Wt., 9 lbs. List, \$28.00. **NET 16.50**

58 R 120. Model TS-100. Origination Switch. Wt., 2 lbs. List, \$6.00. **NET 3.50**

CRADLE PHONE. Choose a Master and in place of Stock No., write "Special." Add "H" to Model No. Example: T-LM-5H, with cradle phone. Add \$35 to net price.

58 R 125. Wall Mounting Brackets. For all subs. but T-C-20, T-HP-3. $\frac{1}{2}$ lb. List, \$1.25. **NET PER PR. 75c**

MASTER-SELECTIVE SYSTEMS

STANDARD POWER. Subs can be private or not. T-LR-3M in baked enamel; others, leather-texture. Masters, $3\frac{1}{2} \times 10\frac{1}{2} \times 8\frac{3}{4}$ "; Subs, $3\frac{1}{2} \times 7\frac{1}{2} \times 8\frac{3}{4}$ ". T-LR-3R: panel, $7\frac{1}{2} \times 4\frac{1}{2}$ " w. Wall space, $6\frac{1}{2} \times 4\frac{1}{2} \times 2$ " d. For 110-120 v., 50-60 cycle, AC-DC.

T-LM-5 MASTER. Accommodates up to 5 Subs. Shpg. wt., 8 lbs.

58 RX 058. List, \$59.95 **NET 34.95**

T-LM-10 MASTER. Accommodates up to 10 Subs. Shpg. wt., 8 lbs.

58 RX 059. List, \$75.00 **NET 44.00**

T-LR-3 SUB. Shpg. wt., 6 lbs.

58 RX 052. List, \$27.50 **NET 15.95**

T-LR-3M SUB. Shpg. wt., 6 lbs.

58 RX 062. List, \$21.00 **NET 11.95**

T-LR-3R BUILT-IN WALL SUB. 4 lbs.

58 R 138. List, \$21.00 **NET 11.95**

HIGH-POWER MASTERS. Same as above, but 10 times the volume output.

T-AC-5406 MASTER. Accommodates up to 5 Subs. Shpg. wt., 8 lbs.

58 RX 060. List, \$75.00 **NET 44.00**

T-AC-5411 MASTER. Accommodates up to 10 Subs. Shpg. wt., 8 lbs.

58 RX 061. List, \$89.95 **NET 52.50**

HIGH-POWER SUBS. See listings in Accessory Box, lower left of page.

5303 3-COND. CABLE. 3 lbs. per 100'. **49 W 604.** **NET PER FOOT 3c**

SUPER-SELECTIVE SYSTEMS

SELECTIVE MASTER STATIONS. Highly versatile intercom systems consisting entirely of Master units. Any station can originate a call to any other station or stations—separate conversations can be handled simultaneously, and conference calls set up. Each Master has light to indicate when unit is in operation. Also has press-to-talk bar, slide switch and volume control. Steel case is smartly finished in bonded, leather-texture gray vinyl and brushed chrome. Stations can be placed more than 1000 ft. apart. Less cable, below. Size, $3\frac{1}{2} \times 10\frac{1}{2} \times 8\frac{3}{4}$ ". For 110-120 v., 50-60 cycle AC or DC. U.L. Approved. Shpg. wt., 7 lbs.

MODEL T-LS-5. Up to 5 stations.

58 RX 054. List, \$59.95 **NET 34.95**

MODEL T-LS-10. Up to 10 stations.

58 RX 055. List, \$75.00 **NET 44.00**

CABLE. For T-LS-5, use 5506. For T-LS-10, use 9911. To determine quantity, measure from 1st station to 2nd only, 2nd to 3rd only, etc., and total. Do not connect last station to first!

49 W 605. 5506 6-Conductor Cable. 4 lbs. per 100' **NET PER FOOT 7 $\frac{1}{2}$ c**

49 W 603. 9911 11-Conductor Cable. 12 lbs. per 100' **NET PER FOOT 14c**



Costs Less Than 1c a Day To Operate



T-LC-2 TWO-STATION INTERCOM SYSTEM

A deluxe 2-station intercom system for home, office or plant. Includes one Master, one Sub and 50 feet of interconnecting cable (up to 2000 feet more can be added—see below). Master and Sub can originate calls to each other and communicate both ways. Sub can be set for private or non-private operation. Only Master needs to be connected to AC outlet. Master has volume control and pilot light; has steel case attractively finished in charcoal gray vinyl and brushed chrome. Case resists effects of weather and liquids. Sub's resistant steel case is finished in

matching baked enamel. Sizes: Master, $3\frac{1}{2} \times 10\frac{1}{2} \times 8\frac{3}{4}$ "; Sub, $3\frac{1}{2} \times 7\frac{1}{2} \times 8\frac{3}{4}$ ". For 110-120 v., 50-60 cycle AC or DC. U.L. Approved. 13 lbs. \$5 Monthly.

58 RX 053. List, \$62.00 **NET 36.00**

T-LR-3M EXTRA REMOTE. Wt., 6 lbs.

58 RX 062. List, \$21.00 **NET 11.95**

5303 CABLE. Add up to 2000 ft. Shpg. wt., per 100 ft., 3 lbs.

49 W 604. **NET PER FOOT 3c**

WALL MOUNTING BRACKETS. 2 lbs.

93 R 049. List, \$1.25. **NET PER PR. 75c**

Write For Information On the All-Transistor "Chief" Line

Garage Door Opener . . . Photoelectric Controls



Prima-Power



ELECTRONIC GARAGE-DOOR OPENER

All-Transistor Remote Control

Net
\$149.50

\$8 monthly

- Automatically Control Your Garage Door, and Lights. From Your Car
- Install It Without Special Tools
- With All Hardware and Instructions

Touch a button—your garage door opens and the light goes on! Press the button again, or use the wall-mounted pushbutton, and the door closes and locks—and after a few minutes the light automatically goes out. Power shuts off automatically if door-travel is obstructed. Door can be operated manually at any time. Choose from two all-transistor control units—a pocket-size portable transmitter, or an under-dash transmitter with a dashboard pushbutton. Both units are crystal-controlled on the FCC-authorized frequency of 27,255 mc. Use this easy-to-install system with any overhead, residential-type garage door up to 18-ft. wide and 8-ft. high, using a horizontal or curved roller track. Requires only 2 1/4" clearance between high-arc of door and ceiling. Includes motor mechanism and receiver (for 110-120 v., 50-60 cycle AC), 1 transmitter (for 12 VDC), antennas, manual pushbutton, wire, hardware, and instructions.

G-653 SYSTEM. With portable transmitter. 65 lbs.
89 CZ 007J. List, \$224.95. **NET 149.50**

G-654 SYSTEM. With under-dash transmitter. 65 lbs.
89 CZ 013J. List, \$224.95. **NET 149.50**

89 S 015. Key Switch. With 2 keys. 9 oz. **NET 4.20**

PORTABLE TRANSMITTER UNITS

G-340 EXTRA TRANSMITTER. Has built-in antenna and clip for mounting on sun visor. 1 lb.
89 SX 018J. List, \$27.95. **NET 19.50**

G-653 ALTERNATE-FREQUENCY SYSTEM. Like G-653 above; use where neighbor already has door opener.
89 CZ 020J. List, \$224.95. **NET 149.50**

G-340 ALTERNATE-FREQUENCY EXTRA TRANSMITTER.
89 SX 021J. List, \$27.95. **NET 19.50**

TRANSISTORIZED CONTROL

Choose either or both of two transmitters. Under-dash unit offers easy hook-up, dashboard pushbutton. Portable unit fits purse or pocket—ideal for 2-car families!



Garage lights stays on 2 1/2-hr. Unit operates most minutes after door locks overhead residential doors

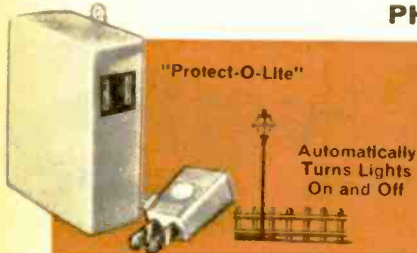
UNDER-DASH TRANSMITTER UNITS

G-350 EXTRA TRANSMITTER. With hardware, dash-mounting pushbutton, installation instructions. 3 lbs.
89 SX 022J. List, \$27.95. **NET 19.50**

G-654 ALTERNATE-FREQUENCY SYSTEM. Like G-654 (above, left); use where neighbor already has door opener.
89 CZ 023J. List, \$224.95. **NET 149.50**

G-350 ALTERNATE-FREQUENCY EXTRA TRANSMITTER.
89 SX 024. List, \$27.95. **NET 19.50**

PHOTOELECTRIC CONTROLS



"Protect-O-Lite"

Automatically Turns Lights On and Off

"PROTECT-O-LITE" LIGHT CONTROL

Silent, dependable photoelectric control that automatically turns on lights at dusk, shuts them off at dawn. Delayed-action feature prevents car lights or flashlights from turning off lights at night. A snap to install—just place it near a window facing outside, natural light, plug unit into wall outlet, and plug lamp(s) into unit. Handles 600-watt loads. Only 3x2 1/2x1". For 110-125 v., 50-60 cycle AC. Shpg. wt., 1 lb.
77 P 364. **NET 7.99**



ANNOUNCER

Extra Chime

WORNER "FOTOLECTRIC" UNIT

MODEL 61. Chime sounds when light beam is broken. Consists of "Fotolectric" unit, mirror and chime. Unit can be placed at any distance from 3-10' from mirror. 8 1/4 x 6 1/2 x 2 3/4". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 8 lbs.
77 P 028. \$5 Monthly. **NET 40.50**

77 P 023. Extra Bulb. For Models 33 and 61. Wt., 5 oz. **NET 66c**

77 P 035. Extra Chime. For above, or any 6 v. AC source. 2 lbs. **NET 4.89**



"Hi-Way-I"

Dims—Then Restores High Beam

HI-WAY-I HEADLIGHT DIMMER

Automatic headlight-beam changer for automobiles. Aids night driving by automatically switching on "low" beam when cars are approaching—restores "high" beam within 1/2 second after lights are passed. Can also be actuated by tail-lights of cars directly ahead. Can be overridden by foot switch. Unaffected by street lights. Has sensitivity control. With easy instructions. For all vehicles with 12 VDC negative ground. 3 lbs.
77 P 365. List, \$77.40. **NET 39.95**

ALLIED—Your Tool Headquarters

Weller

SOLDERING EQUIPMENT



As \$
Low
As **\$4⁹⁴**

8200K DUAL-HEAT SOLDERING KIT

- Gun, Solder-Aid, Brush, Solder
- Gun Has High/Low Heat Feature

Everything you need for fast, professional soldering. Includes: Weller 8200, U.L. Approved, dual-heat solder gun; solder aid tool; cleaning brush; coil of Kester "Resin Five" solder. "Triggermatic" control selects high (125 watt), or low (90 watt) heat. Also has spotlight for illuminating work area. For 110-120 v., 60 cycle AC. Shpg. wt., 2 1/2 lbs.

50 N 280. List, \$7.95 **NET 5.83**
3-11, EACH... 5.19 12-Up, EACH... 4.94



As \$
Low
As **\$9²⁸**

8250AK SOLDERING KIT

- Includes Gun, Solder, 3 Tips, Tip Wrench, Plastic Case

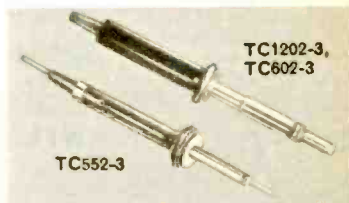
Versatile, heavy-duty soldering kit for home or shop. Includes: Model 8250A 250-watt gun (with trigger-control dual spotlights for illuminating dark work areas); coil of rosin-core solder; chisel-point tip; smoothing tip; tip-wrench. Plastic carrying and storage case, 7x10x3". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 7 1/2 lbs.

49 N 000. List, \$14.95 **NET 10.99**
3-11, EACH... 9.77 12-Up, EACH... 9.28

CREDIT FUND PLAN

- 50% More Buying Power
- No Money Down
- Up to 24 Months to Pay

Don't put off buying the tools you need now for lack of ready cash. Allied's Credit Fund Plan lets you buy anything in this catalog for no money down. Minimum order, \$20. See back of catalog for full details.



CONTROLLED TEMPERATURE "MAGNASTAT" SOLDER IRONS

Lightweight, advanced design irons. "Magnastat" sensing devices in tips automatically maintain correct temperature, never overheat. Provide rapid, constant heat transfer for soldering ease. Have rubber shock absorber at end of handle. Less tips and cords, below. Select one of each for your specific application. U.L. Approved. For 110-120 v., 60 cycle AC.

Stock No.	Model No.	Watts	Wt. of Iron	NET EACH		
				List	1-5	6-23/24-Up
50 N 667	TC552	55	3 oz.	\$7.24	\$5.32	4.73
50 N 668	TC602	75	3 1/4 oz.	\$7.50	\$5.52	4.90
50 N 669	TC1202	120	6 oz.	\$8.50	\$6.25	5.56

WELLERTIPS FOR "MAGNASTAT" SOLDERING IRONS

Premium iron-plated copper. Av. wt., 3 oz.

Stock No.	Type	Description	NET EACH	
			For Model	1-5/6-23/24-Up
50 N 671	S-DIN 3/16"	Scwddvr	TC552	.56 .49 .44
50 N 672	S-CIN 1/8"	Scwddvr	TC552	.56 .49 .44
50 N 673	G-EIN 1/8"	Scwddvr	TC602	1.12 .98 .88
50 N 674	RDIN 1/8"	Scwddvr	TC602	1.12 .98 .88
50 N 675	12-G4N	Chisel	TC1202	1.49 1.31 1.18
50 N 676	12-E1L	Scwddvr	TC1202	1.49 1.31 1.18

CORDS FOR "MAGNASTAT" SOLDERING IRONS

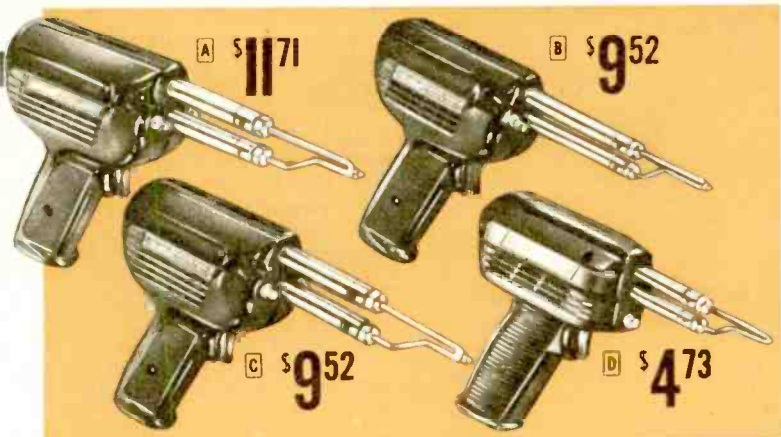
3-wire cord is industrial type; 2-wire cord is standard type. With plugs. Av. wt., 5 oz.

Stock No.	Mfr. Type	Description	NET EACH
50 N 511	CS40	2-wire for TC552, TC602	.70
50 N 512	CS50	3-wire for TC552, TC602	1.47
50 N 677	CS60	2-wire for TC1202	.70
50 N 678	CS70	3-wire for TC1202	1.47

WELLER SOLDERING GUN PARTS REPLACEMENT

Average shpg. wt., 3 oz.

Stock No.	Type	Descrip.	Use With Models	NET
46 N 625	7325	Tip nut	D-440, S-440, 8100B, 9200, 8100B	.15
46 N 630	7417	Tip nut	D-550, S-500, 8250A	.41
46 N 626	7323	Switch	All single-heat type	1.22
46 N 627	7324	Switch	All dual-heat type	1.37



A MODEL D-550 SOLDERING GUN

For service shops, production line, etc. Has dual spotlights. Trigger switch selects 200 or 275-watt heat. U.L. Approved. For 110-120 v., 60 cycle AC. 4 lbs.

46 N 641. List, \$16.25 **NET 11.71**
3-11, EACH... 10.53 12-Up, EACH... 9.96

C MODEL 8250A SOLDERING GUN

Same as D-550 above, but 250 watts only. Shpg. wt., 4 lbs.

46 N 678. List, \$12.95 **NET 9.52**
3-11, EACH... 8.47 12-Up, EACH... 8.04

B MODEL D-440 SOLDERING GUN

Medium-duty, dual-heat gun. Trigger switch for 100 or 150-watt heat. Twin spotlights. U.L. Approved. For 110-120 v., 60 cycle AC. 3 lbs.

46 N 644. List, \$12.95 **NET 9.52**
3-11, EACH... 8.47 12-Up, EACH... 8.04

D MODEL 8100B SOLDERING GUN

High-quality 100-watt, single heat gun. Long lasting tip, spotlight. U.L. Approved. For 110-120 v., 60 cycle AC. 2 1/2 lbs.

50 N 465. List, \$6.44 **NET 4.73**
3-11, EACH... 4.42 12-Up, EACH... 4.20

CHISEL-POINT TIPS

2 per Pkg. Av. shpg. wt. per pkg., 3 oz.

Stock No.	Type	Use With Models	PKG.
46 N 574	7135	WS-100, WD-135, S-400, D-440, 8100	.25
46 N 573	7250	WS-200, WD-250, S-500, D-550, 9250A	.35
46 N 597	7300	S-107, D-207. Not interchangeable with above.	.25
50 N 209	8125	8100B, 8200	.35

VERSATILE ACCESSORY TIPS

Average shpg. wt., 3 oz.

Stock No.	Type	Descrip.	For Models	EACH
46 N 681	6110	Cutting	WS-100, WD-135, S-400, D-440,	
46 N 682	6120	Smoothing	8100 (B), 8200	.35
46 N 683	6130	Cutting	WS-200, S-500,	
46 N 684	6140	Smoothing	D-550, 8250A	

See Following Pages for Complete Selection of Solder Accessories



WEN SOLDERING GUN KITS

199K SOLDERING GUN KIT

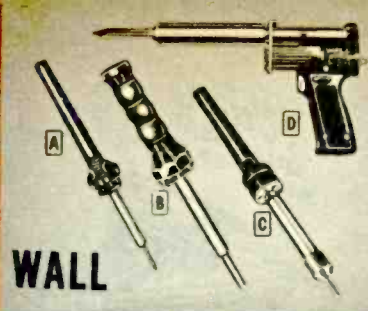
Multi-purpose solder gun kit. Includes Model 199—130-watt gun; three tips; 5-ft. roll of rosin-core solder; plus metal storage box. Gun reaches temperature in just 2½ seconds! Well-balanced, has pistol-grip handle, spotlight, trigger switch. Tips are quickly interchangeable—include Model 19-B-4 standard tip for household wiring; Model 19-F-33 woodworking tip; Model 19-C-1 tip for cutting plastic, rubber or asphalt tile. U.L. Approved. Gun for 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
46 N 319. List, \$9.95 **NET 7.33**
 3 or More, EACH 6.51

100K SOLDERING GUN KIT

Features highly-efficient, transformer-type, Model 100 gun. Develops full 100-watt heat in 2½ seconds. With two tips. U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 2½ lbs.
50 N 191. List, \$7.95 **NET 5.83**
 3 or More, EACH 5.19

250K SOLDERING GUN KIT

Includes Model 250 gun (250-watt), that heats in 5 seconds; 3 tips; tip wrench; solder; metal case, 8x9x3". U.L. Approved. For 110-120 v., 60 cycle AC. 5 lbs.
50 N 250. List, \$15.95 **NET 11.72**
 3 or More, EACH 10.73



WALL

WALL SOLDERING IRONS

Excellent for delicate work, yet built for production-line punishment. 18HD (Fig. A) is non-thermostatic; 14T (Fig. A) and 38T (Fig. B) have thermostatic action that gives the right heat for the job. Length: 18HD, 7"; 14T, 8"; 38T, 12½". U.L. Approved. For 110-120 v., AC or DC.

Stock No.	Type	Watts	Tip	Wt.	1-5, EA.	6-Up, EA.
50 N 394	18HD	25	7/8"	7 oz.	5.78	5.31
46 N 852	14T	140 to 125	7/8"	7 oz.	5.78	5.31
46 N 854	38T	180 to 200	7/8"	7 lbs.	7.18	6.60

REPLACEMENT TIPS

†Walloy-Red tips for production line use.

Stock No.	Size	For	Wt.	1-5, EA.	6-Up, EA.
46 N 874	7/8"	18HD†	2 oz.	.98	.90
46 N 875	1 1/4"	14T†	2 oz.	.98	.90
46 N 876	3/4"	38T†	3 oz.	1.15	1.05
46 N 873	7/8"	18HD	2 oz.	.14	.13
46 N 872	7/8"	14T	2 oz.	.25	.23
46 N 855	7/8"	38T	3 oz.	.39	.36

863 "RADIOMAN" PENCIL

Slender 40-watt soldering pencil. Great for delicate printed-circuit work, etc. Has "Demon-Heat" element, 3/16" copper tip, stand. For 110-120 v., AC or DC. 6 oz.
45 N 238. **NET 1.98**
50 N 596. Extra Element, 2 oz. 56c
50 N 597. Extra Tip, 2 oz. **EACH 27c**

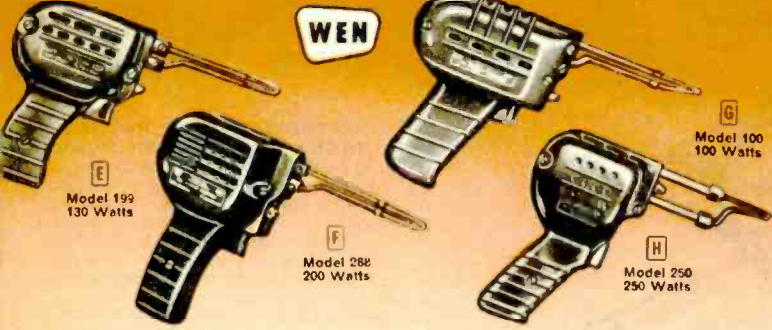
"TRIG-R-HEAT" GUNS

Feature thermostatic action, light-weight transformerless design. Squeeze the trigger—heats in seconds, provides correct wattage for job. Lightweight, balanced for fatigue-free operation. Narrow 6½" barrel for close work. Have interchangeable tip elements. Black plastic housing. U.L. Approved. For 110-120 v., AC or DC.
MODEL 212LT. 300-550 watts, ½" steel-clad tip. 7-watt spotlight has separate control. Shpg. wt., 1½ lbs.
46 N 848. **NET 11.07**
MODEL 214LTN. As above, but 150-400 watts; ½" tip. Shpg. wt., 1½ lbs.
46 N 889. **NET 9.77**

TIP-ELEMENT ASSEMBLIES

*Fit 212LT, 214LTN; ffit 238LT, 238T.

Stock No.	Watts	Tip	Wt.	1-5, EA.	6-Up, EA.
46 N 870	*150-400	7/8"	12 oz.	3.75	3.45
46 N 849	*300-650	7/8"	1 lb.	5.87	5.39
46 N 897	† 75-150	7/8"	10 oz.	2.94	2.70



MODEL 199—130-WATT GUN

Extremely popular, low-cost soldering gun. Ideal for production line use. Heats in just 2½ seconds. Efficiency compares to guns of much higher wattage ratings. Long-life tip: spotlight. Lightweight, only 1½ lbs. Heat and shock-resistant red plastic case. 5" long less tip. U.L. Approved. For 110-120 v., 60 cycle AC. 2½ lbs.
46 N 358. List, \$7.95 **NET 5.83**
 3 or More, EACH 5.19

MODEL 100—100-WATT GUN

Efficient 100-watt gun. Reaches operating temperature in 2½ seconds. Has built-in spotlight, trigger switch. Black plastic case. 8" long with tip. U.L. Approved. For 110-120 v., 60 cycle AC. 2 lbs.
50 N 025. List, \$5.95 **NET 4.66**
 3 or More, EACH 4.37

MODEL 250—250-WATT GUN

Low-cost, heavy-duty 250-watt soldering gun. Excellent for radio-TV repair work. Heats in 3 seconds; has built-in spotlight. Length, 6½" with tip. U.L. Approved. For 110-120 v., 60 cycle AC. 4 lbs.
46 N 325. List, \$12.95 **NET 9.52**
 3 or More, EACH 8.47

MODEL 288—200-WATT GUN

Economy-priced, heavy-duty soldering gun. Lightweight and balanced for fatigue-free use. Ideal for all types of heavy soldering work. Tip is ideal for many delicate jobs—gets into hard-to-reach places. Built-in spotlight. Case of high-impact, ebony-black plastic. Length with tip, 9½". U.L. Approved. For 110-120 v., 60 cycle AC. 3½ lbs.
46 N 324. List, \$9.95 **NET 7.33**
 3 or More, EACH 6.51
EXTRA TIP. For above. Wt., 3 oz.
46 N 331. **EACH 42c**

REPLACEMENT TIPS. Wt., 2 oz.

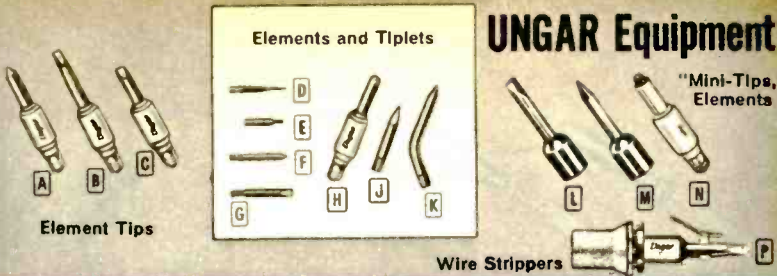
Stock No.	Mfr's. Type	Description	NET EA.
46 N 326	25-A-4	Standard Tip	17c
46 N 327	25-X-20	Feraloy Tip	35c
46 N 330	25-C-1	Plastic Cutting Tip	35c

U-4 FINE-SOLDERING TIP KIT

Low-cost tip kit for soldering and desoldering. Includes radio tip for Wen Models 100, 199, 288 and 250; 2 couplers; 5—10" tip extensions. 8 oz.
50 N 192. **NET 53c**
 3 or More, EACH 47c



MODEL 186P. Medium-duty 75-watt soldering iron. Removable 3/16" tip; temperature ranges to 860°F. "Demon-Heat" element. 11½" long. U.L. Approved. For 110-120 v., AC or DC. ¾ lb.
50 N 226. **NET 1.45**
50 N 227. Extra Tip **EACH 29c**



UNGAR Equipment

Elements and Tiplets

"Mini-Tips," Elements

Wire Strippers



Ungar Soldering Pencils, Elements, Tips, Soldering Accessories

ELEMENT TIPS

Fit Ungar 776 handle, 260 pistol. Types 533, 536, 539, 1233—copper tips; 1236, 1239—silver-plated iron; 4033, 4036, 4039—iron-clad, silver-plated copper. Types 1233, 4033— $1\frac{1}{4} \times \frac{1}{8}$ " tip; 1239, 4036, 4039— $1\frac{1}{2} \times \frac{1}{8}$ " tip; 536, 539, 1236— $1\frac{1}{2} \times \frac{1}{8}$ "; 533— $1\frac{1}{2} \times \frac{1}{8}$ ". U.L. Approved. For 110-120 v., AC or DC. Av. shgp. wt., 2 oz.

23½ WATTS—650-700° F. TIP TEMP.

Stock No.	Mfr's Type	Fig.	Description	NET EACH	
				1-9	10-Up
50 N 400	533	A	Long Chisel	98c	81c
46 N 582	536	B	Pyramid		
46 N 585	539	C	Chisel		

37½ WATTS—750-800° F. TIP TEMP.

Stock No.	Mfr's Type	Fig.	Description	NET EACH	
				1-9	10-Up
50 N 401	1233	B	Long Chisel	1.18	98c
46 N 592	1236	A	Pyramid		
46 N 593	1239	C	Chisel		

47½ WATTS—850-1000° F. TIP TEMP.

Stock No.	Mfr's Type	Fig.	Description	NET EACH	
				1-9	10-Up
46 N 647	4033	B	Long Chisel	2.35	1.95
46 N 648	4036	A	Pyramid		
46 N 649	4039	C	Chisel		

ELEMENTS AND TIPLETS

[H] THREAD-IN ELEMENTS. Fit all Ungar handles and 260 pistol; tiptlet threads into element. 1235, 4035, 4045—nickel-plated steel; 535—nickel-plated iron shanks. 535, 1235, 4035 elements for 300, PL-300 Series tiptlets, below. 4045 for 800, series de-soldering tiptlets, right. U.L. Approved. For 110-120 v., AC or DC. 2 oz.

Stock No.	Mfr's Type	Tip Temp.	Watts	NET EA.	
				1-9	10-Up
46 N 505	535	600-650°F	23½	.98	.81
46 N 509	1235	700-750°F	37½	1.18	.98
46 N 522	4035	800-850°F	47½	2.35	1.95
50 N 195	4045	800-850°F	47½	2.35	1.95

PL-300 PLATED TIPPLETS. For sub-miniature work. Thread into 535, 1235, 4035 elements above. Silver-plated, iron-clad copper. $\frac{1}{8}$ " O.D. 1" long except $1\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{16}$ ", $\frac{3}{32}$ " point. Wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Description	NET EACH	
				1-9	10-Up
46 N 485	PL-331	D	Chisel	47c	39c
46 N 496	PL-332*	K	Offset Pencil		
46 N 487	PL-333	G	Pencil		
50 N 101	PL-338;†	E	Tapered Needle		
50 N 408	PL-340†	F	Micro-Needle		

300 UNPLATED TIPPLETS. Same as PL300 series above, but unplated copper.

Stock No.	Mfr's Type	Fig.	Description	NET EACH	
				1-9	10-Up
46 N 606	331	D	Pencil	16c	13c
46 N 607	332	K	Offset Pencil		
46 N 608	333	G	Chisel		

PL-800 PLATED TIPPLETS. For general-purpose work. Use with 4045 element above—thread into end. Silver-plated iron-clad copper. $\frac{3}{16}$ " O.D. for high heat transfer. PL-823 and PL-824 have 1" unthreaded length; PL-833 and PL-834 have 1½ unthreaded length. Av. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Description	NET EACH	
				1-9	10-Up
50 N 410	PL-823	J	Pyramid	47c	39c
50 N 411	PL-824	G	Chisel	47c	39c
50 N 412	PL-833	G	Chisel	78c	65c
50 N 413	PL-834	K	Offset Chisel	78c	65c

ELEMENTS, "MINI-TIPS"

For industrial use. Element shanks nickel-plated copper. PL tips silver-plated, iron-clad copper; others unplated copper. For 110-120 v., AC or DC. U.L. Approved. Av. wt.: tips, 4 oz. per 10; elements, 2 oz.

[N] THREAD-ON ELEMENTS

Stock No.	Mfr's Type	Tip Temp.	Watt	NET EACH	
				1-9	10-Up
50 N 402	123/	750-800°F	37½	1.18	.98
50 N 403	4037	550-900°F	47½	2.35	1.95

"MINI-TIPS"

Stock No.	Mfr's Type	Fig.	Tip Shape	L x Dia.	NET EACH	
					1-9	10-Up
50 N 404	PL-111	M	Pencil		59c	49c
50 N 405	PL-113	L	Chisel	$\frac{3}{8} \times \frac{1}{8}$ "	59c	49c
50 N 406	111	M	Pencil		20c	17c
50 N 407	113	L	Chisel		20c	17c

[P] THERMO WIRE STRIPPERS

Attach to element tips 4033, 4036 and 4039, at left, and Imperial No. 6200 series heat cartridges. 2 oz.

Stock No.	Type	Description	NET EACH	
			1-9	10-Up
50 N 500	7951	U Slot		
50 N 501	7952	Standard Hole		
50 N 502	7953	Holder and Slot		60c

DESOLDERING TIPPLETS

For printed circuit work. Thread into 4045 element. Cups melt solder on sockets—use 854 for 8, 9-pin; 855 for 7, 8-pin; 856 for 5-pin. Slotted unit for tabs and leads; offset for close-to-board work; bar is for straight-line melting; triangle for electrolytics. Drilled cube removes center pins of sockets, harness leads. 1 lb. per 10.

Stock No.	Mfr's Type	Fig.	Description	NET EACH	
				1-9	10-Up
50 N 414	854	X	1" Cup		
50 N 415	855	X	$\frac{3}{4}$ " Cup	59c	49c
50 N 416	856	X	$\frac{1}{2}$ " Cup		
50 N 108	857	Y	Slotted		
50 N 417	858	W	Bar		
50 N 418	861	AA	Triangle	59c	49c
50 N 419	862	Z	Offset Slotted		
50 N 420	863	BB	Drilled Cube		

[CC] NO. 270 DESOLDERING KIT

For printed circuit parts. Consists of 776 handle, 3 cups, 1 slotted tiptlet, 1 bar tiptlet. Metal case, $1\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{1}{2}$ ". 1½ lbs.

50 N 109. 6-Up, EA. 4.76. 1-5, EA. . . . 5.24

[DD] SOLDERING IRON HOLDER

TYPE 8000. Makes soldering jobs safer and more efficient. Guard protects operator against burns. Adjustable, fastens to wall, bench, etc. 8 oz.

47 N 024. NET 1.57

[EE] NO. 400 "KLEEN-TIP" KIT

Removes oxides and excess solder. Includes special sponge, phenolic tray and bench bracket. 2 oz.

50 N 421. 10-Up, EA. 81c. . . . 1-9, EA. 98c

NO. 455 REFILL SPONGES. 2 oz.

50 N 422. 10-Up, EA. 33c. 1-9, EA. . . . 39c

COMPLETE SOLDERING PENCILS

For subminiature work. With 776 handle and cord (listed below), and an element tip. 23½-watt Type 536 heats its copper pyramid tip 650-700° F. Type 1236 is 37½ watts, heats silver-plated iron, pyramid tip 750-800° F. 47½-watt Type 4033 delivers 850-1000° F. to a long chisel tip of silver-plated, iron-clad copper. U.L. Approved. For 110-120 v., AC or DC. 6 oz.

Stock No.	Fig.	Includes:	NET EACH	
			1-9	10-Up
50 N 302	R	536 Element-Tip	2.16	1.79
50 N 303	T	1236 Element-Tip	2.35	1.96
50 N 305	S	4033 Element-Tip	3.53	2.93

NO. 776 HANDLE AND CORD

For exacting industrial soldering requirements. Takes wide selection of thread-in elements and tiptlets. Ideal for work on printed circuitry and sub-miniature systems. Durable, light-weight and fatigue-free; has stainless steel heat deflector, "Soft-Touch" cork grip, cord protector and phenolic housing. With 6-ft. cord, 5" overall length. Less tip and element, see listings at left. U.L. Appr. 4 oz.

50 N 304. 1-9, EACH 1.18
10-Up, EACH 97c



Selected Soldering Irons, Kits And Accessory Equipment . . .



AMERICAN BEAUTY SOLDERING IRONS

Fit any soldering application. Special iron-tipped tips, available for all models, greatly reduce pitting and redressing. Casing and body are one-piece seamless steel. Lightweight, shatterproof rubberoid-coated handles. 6-ft. cords. U. L. Approved.

MODEL 3128—60 WATTS

A For light work. $\frac{1}{8}$ " copper tip. With stand. Length, 12 $\frac{1}{2}$ ". For 110-120 volts. AC or DC. Shpg. wt., 1 lb.
46 N 674.....NET **5.53**
 6 or More.....EACH 5.25

REPLACEMENT TIPS, ELEMENT

For above. Type 9272 Has mica insulation; with spring, tube, terminal assembly.

Stock No.	Type	Description	Oz.	NET
46 N 675	3728	Copper tip	2	.33
46 N 820	3728-1P	Iron-plated tip	3	.75
46 N 670	9272	Element	6	2.80

MODEL 3138—100 WATTS

B An excellent general purpose iron. $\frac{3}{8}$ " dia. copper tip. Chrome plated metal parts. Has cooling baffle; stand, 12 $\frac{1}{2}$ ". For 110-120 v., AC-DC. 2 $\frac{1}{4}$ lbs.
46 N 655.....NET **8.47**
 6 or More.....EACH 8.05

REPLACEMENT TIPS, ELEMENT

Stock No.	Type	Description	Oz.	NET
46 N 656	3738	Copper tip	6	.46
46 N 821	3738-1P	Iron-plated tip	6	.86
46 N 666	9273	Element	16	3.20

MODEL 3158—200 WATTS

C For medium-heavy work. $\frac{3}{8}$ " copper tip. With stand. Length, 13 $\frac{3}{4}$ ". For 110-120 volts AC or DC. Wt., 3 lbs.
46 N 650.....NET **10.15**
 6 or More.....EACH 9.65

REPLACEMENT TIPS, ELEMENT

For above. $\frac{3}{8}$ " tips. Element is chromenickel wire on mica insulated steel rod.

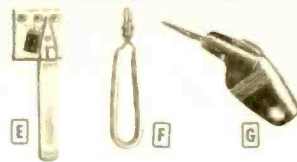
Stock No.	Type	Description	Lbs.	NET
46 N 652	3758	Copper tip	1	1.08
46 N 822	3758-1P	Iron-plated tip	1	1.71
46 N 665	9275	Element	1 $\frac{1}{2}$	4.50

MODEL 3178—300 WATTS

D For service and heavy-duty work. Length, 14 $\frac{3}{4}$ "; tip dia., $\frac{1}{2}$ "; net wt., 2 $\frac{1}{2}$ lbs. With cord, stand and tip. For 110-120 v., AC or DC. Wt., 4 lbs.
46 N 671.....NET **13.51**
 6 or More.....EACH 12.83

REPLACEMENT TIPS, ELEMENT

Stock No.	Type	Description	Lbs.	NET
46 N 672	3778	Copper tip	2	2.15
46 N 823	3778-1P	Iron-plated Tip	2	2.78
46 N 673	9277	Element	1 $\frac{1}{2}$	6.00



SOLDERING ACCESSORIES

E MILLER MODEL 80 HEAT SINK. High heat absorbing copper jaws. Soft plastic handles. Wt., 2 oz.
49 N 378. List, \$1.25.....NET **.95**

F G-C MODEL 9077 HEAT SINK. Protects parts from heat. Aluminum—solder will not stick. Wt., 3 oz.
49 N 377.....NET **.35**

G KORMAT SOLDER DISPENSER. Avoid finger burns! Feeds wire solder from size .028" to .074" through probe. Reloads in 30 seconds. 7" alloy handle. In metal case. Wt., 12 oz.
50 N 459.....NET **4.49**

ANTEX C-115 MINIATURE IRON



- No Transformer Required
- Constant 626°F. Temperature
- Ideal for Miniaturized Circuitry

Precision iron weighs less than 1 oz. Heats in 45 seconds. Insulation between element and tip permits work around semi-conductors. Requires plug below. Length 6 $\frac{1}{2}$ ". Made in England. Wt., 3 oz.
50 N 427.....NET **4.75**
 6 or More.....EACH 4.26

EAGLE MODEL 209 3-WIRE AC PLUG. For above. Shpg. wt., 3 oz.
50 N 316.....NET **.38**

NICKEL-PLATED REPLACEMENT TIPS. For Antex C-115 iron. *Special heavy-duty type. Wt., 2 oz.

Stock No.	Type	Size	1-49, EA.	50-Up, EA.
50 N 474	Spade	$\frac{1}{8}$ "	.54	.49
50 N 287	Chisel	$\frac{1}{8}$ "		
50 N 283	Spade	$\frac{1}{8}$ "		
50 N 288	Chisel	$\frac{1}{8}$ "	.54	.49
50 N 284	Spade	$\frac{1}{8}$ "		
50 N 289	Chisel	$\frac{1}{8}$ "		
50 N 285	Spade	$\frac{1}{8}$ "		
50 N 286	*Spade	$\frac{1}{8}$ "		



LENK PENCIL-TYPE IRON

MODEL 251 25-WATT IRON. Ideal for precision soldering—weighs only 2 oz. Has $\frac{1}{8}$ " tip; plastic handle with cooling fins. Stainless steel; 7 $\frac{1}{2}$ " long. For 110-120 v., AC-DC. Wt., $\frac{1}{2}$ lb.
46 N 940.....NET **4.47**

MODEL 256. As above, but 40 watts.
46 N 941.....NET **4.47**

REPLACEMENT TIPS. Either fits both irons above. Shpg. wt., 3 oz.

46 N 942. $\frac{1}{8}$ " Tip.....NET **.41**
46 N 946. $\frac{1}{4}$ " Tip.....NET **.45**



NEW LIGHT-DUTY 125-WATT SOLDERING KIT

MODEL KSG-125B-1. Includes: Model SG-125B 1.3 amp-gun with 5" long barrel-cleaning brush, wire twister, joint cleaner, roll of all-purpose solder. Transformer-type gun heats in 2 $\frac{1}{2}$ seconds; ideal for reaching inaccessible spots. Has pre-focused "sight-light", full-length soft-pull trigger. White, hi-impact, flame-resistant plastic housing. Length, 10 $\frac{1}{2}$ " with tip. Weighs 1 $\frac{1}{2}$ lbs. For 115 v., 60 cycle AC. Shpg. wt., 4 lbs.
49 N 250.....NET **5.67**

MODEL SG-125B GUN ONLY. Above gun, with conical tip. Wt., 3 lbs.
49 N 251.....NET **5.00**

TIPS FOR 125-WATT AND 250-WATT GUNS

Screw on in a jiffy—you need no tools.

Stock No.	Type	Description	Oz.	NET
49 N 252	47-83	Conical Point	1	.40
49 N 253	47-84	Chisel Point	2	.40
49 N 254	47-91	Needle Point	1	.80

NEW HEAVY-DUTY 250-WATT SOLDERING KIT

MODEL KSG-250-1. Includes Model SG-250 heavy-duty gun, conical tip, chisel tip, tile cutting and putty removing tip, roll of rosin core solder, heavy-gauge steel case.

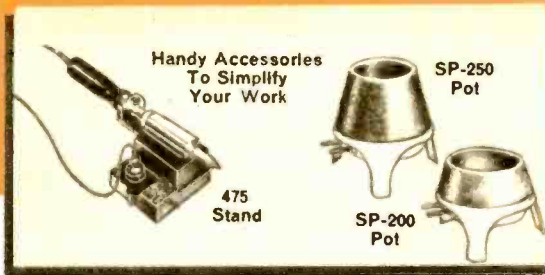
SG-250 gun has all features of gun described at left, but is rated at 2 amps, has 5" long barrel, and black plastic housing. Positive pistol grip with soft-pull finger trigger. Weighs 2 $\frac{1}{2}$ lbs. Length, 11 $\frac{1}{2}$ " with tip. Wt. 5 lbs.
49 N 255.....NET **9.97**

MODEL SG-250 GUN ONLY. Above gun, with conical solder tip. Wt., 3 lbs.
49 N 256.....NET **8.64**

BARRELS FOR 125-WATT AND 250-WATT GUNS

Stock No.	Type	Length	Wt.	NET
49 N 257	ETS-1	3 $\frac{3}{4}$ "	2 oz.	1.00
49 N 258	ETS-2	6"	2 oz.	1.34
49 N 259	ETS-3	8"	3 oz.	1.67
49 N 260	ETS-4	10"	4 oz.	2.00
49 N 261	ETS-5	12"	5 oz.	2.33

... For Radio-TV Servicing, Industry, Home Workshop



HEAT-REGULATING STAND AND SOLDER POTS
AMERICAN BEAUTY MODEL 475 STAND. Thermostat maintains iron temperature. Iron cradle of copper alloy; plastic body. Has heater cord and plug-in receptacle. For 80 to 660-watt irons; up to 240 volts, AC only. Shpg. wt., 2 1/2 lbs.

46 N 658..... **NET 8.40**

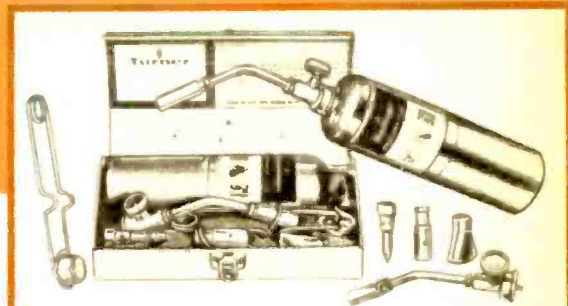
LECTROHM SOLDER POTS. Dipping pots for tinning wires, leads, etc. With 6-ft. detachable cord. For 110 v., AC-DC

Stock No.	Type	Capac.	Watts	Size	Cup Depth	Wt.	NET
46 N 880	SP-200	1 1/2 lbs.	200	2 3/4" x 2 3/4"	1 1/2"	3 1/2 lbs.	4.98
46 N 881	SP-250	2 lbs.	250	3 3/4" x 2"	1 1/2"	3 1/2 lbs.	4.98

NICKEL-CHROME REPLACEMENT ELEMENTS. Wt., 3 oz.

46 N 882. Type A. For SP-200..... **NET 1.42**

46 N 883. Type B. For SP-250..... **NET 1.42**



TURNER "LP-99" PROPANE-GAS TORCH KIT

Includes parts for both light and heavy-duty work. All brass torch has heavy-duty valve with drag spring on knob. Kit consists of: pencil-point burner; heavy-duty burner; brass flame spreader; copper, chisel-point solder tip; tank of fuel; spark lighter and steel case—size, 3x10 1/4"x6". Wt., 6 1/2 lbs.

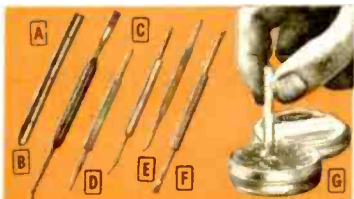
50 N 081. List, \$9.95..... **NET 6.65**

"LP-555" TORCH ONLY. With pencil-point burner; tank of fuel. Wt., 4 lbs.

50 N 716. List, \$6.95..... **NET 4.35**

REPLACEMENT FUEL TANKS. 2 per pkg. Wt., 5 lbs.

50 N 082..... **NET PER PKG. OF TWO 2.89**



SOLDERING AIDS AND TOOLS

A CHEMALOY ALUMINUM SOLDER. Joins surfaces without cleaning. 500° for thin metal; 800° for heavy work.

Stock No.	Unit	Temp.	Wt.	NET
50 N 083	2—2 oz. bars	500°	6 oz.	.59
50 N 314	2—2 oz. bars	600°	6 oz.	.59
50 N 085	2—2 oz. bars	800°	6 oz.	.59
50 N 086	1-lb. bulk	500°	1 1/4 lbs.	1.39
50 N 087	5-lb. bulk	500°	5 1/4 lbs.	5.95
50 N 315	1-lb. bulk	800°	1 1/4 lbs.	1.49

B G-C MODEL 9088. Has wire brush and holding end. Solder will not stick to chrome-tipped end. Wt., 4 oz.

42 N 001..... **NET .98**

C D G-C MODELS 9075 AND 9076. Double ends ream, hold or pry. Heat-treated tool steel. Chrome-plated—no solder sticking. Wt., 4 oz.

49 N 358. Straight End. (Fig. C)..... **NET .68**

49 N 359. Angled End. (Fig. D)..... **NET .68**

E G-C MODEL 9093. For printed circuits. Stainless steel hardened—solder will not stick. Shpg. wt., 4 oz.

49 N 363..... **NET 1.00**

F G-C MODEL 9094. Stainless steel brush, hardened scraper. 4 oz.

49 N 364..... **NET .98**

G UNGAR ANTI-SEIZE COMPOUND —TYPE 8001. Lubricates solder-tip threads. 2 oz. can. Wt., 3 oz.

47 N 025..... **NET .54**



For Industry, Radio and TV Servicemen—and Home Workshop

KESTER SOLDERS

"RESIN FIVE" CORE SOLDER. Non-corrosive, non-conductive—for printed circuits. Coil 1/4" dia.; spool 1/2" dia. 40% tin, 60% lead. *60% tin, 40% lead.

Stock No.	Size	Net Wt.	Shpg. Wt.	NET
50 N 310	5 lbs.	5 1/4 lbs.	7.47	
46 N 916	1 lb.	1 1/4 lbs.	1.19	
46 N 900	1 oz.	3 oz.	.21	
50 N 311	5 lbs.	5 1/4 lbs.	7.99	

PRINTED CIRCUIT SOLDER. 60% tin, 40% lead. 1/4" dia. Wt., 1 1/4 lbs.

46 N 926. 1-lb. Spool..... **NET 1.63**

ROSIN-CORE SOLDER. Plastic rosin-fill 1/4" for general work; 1/8" for delicate. 40% tin, 60% lead, except *50-50.

Stock No.	Size	Net Wt.	Shpg. Wt.	NET
46 N 901	1 lb.	1 1/4 lbs.	1.19	
46 N 902	5 lbs.	5 1/4 lbs.	5.73	
46 N 930	1 lb.	1 1/4 lbs.	1.21	
46 N 931	5 lbs.	5 1/4 lbs.	5.88	
46 N 919	1 lb.	1 1/4 lbs.	1.41	
46 N 939	5 lbs.	5 1/4 lbs.	6.86	

ACID-CORE SOLDER. For general soldering other than electrical connections. 1/4" dia. 40% tin and 60% lead.

46 N 905. 1-oz. Coil. Wt., 3 oz..... **NET .21**

46 N 906. 1-lb. Spool. 1 1/4 lbs..... **NET 1.19**

SOLDER PASTE. 2 oz. cans. Wt., 5 oz.

46 N 915. 10-Up, EA...13 1-9, EA...15

KESTER TINNING BLOCK. Wt., 1 1/4 lbs.

46 N 922..... **NET .65**



Ersin Multicore Solders Feature Separate Cores of Flux ...

"Dry Joints" Are Totally Eliminated

ERSIN SOLDERS

RESIN MULTICORE SOLDER. 5 cores non-corrosive flux —40/60 tin-lead. 1 lb. spools. Wt. per spool, 1 1/2 lbs.

Stock No.	Gauge	EA., 1-27	EA., 28-Up
46 N 995	14 (.080")	1.42	1.28
46 N 991	16 (.064")	1.45	1.30
50 N 313	18 (.048")	1.48	1.33

46 N 997. Service Pak. 18-gauge, 60/40 5-core solder. Wt., 12 oz..... **NET .48**

PURE TIN/LEAD SOLDER. Non-corrosive Ersin flux is 60% tin and 40% lead.

Stock No.	Gauge	Spool Wt.	Shpg. Wt.	NET
49 N 368	16 (.064")	1 lb.	1 1/4 lbs.	2.07
49 N 369	16 (.064")	7 lbs.	8 1/4 lbs.	14.21
49 N 370	18 (.048")	1 lb.	1 1/4 lbs.	2.12
49 N 371	18 (.048")	7 lbs.	8 1/4 lbs.	14.56
49 N 372	20 (.036")	1 lb.	1 1/4 lbs.	2.28
49 N 376	20 (.036")	7 lbs.	8 1/4 lbs.	15.68

"SAVBIT" SOLDER. Copper-tin-lead alloy. Reduces copper tip wear by 90%.

Stock No.	Gauge	Spool Wt.	Shpg. Wt.	NET
50 N 121	14 (.080")	1 lb.	1 1/4 lbs.	1.72
50 N 122	14 (.080")	7 lbs.	8 1/4 lbs.	12.11
50 N 123	16 (.064")	1 lb.	1 1/4 lbs.	1.76
50 N 124	16 (.064")	7 lbs.	8 1/4 lbs.	12.32
47 N 056	18 (.048")	1 lb.	1 1/4 lbs.	1.81
47 N 057	20 (.036")	1 lb.	1 1/4 lbs.	2.03



BLONDE TAPE SOLDER

40/60 tin-lead solder—rosin flux. Melts with heat of match. 28" long. Wt., 2 oz.

46 N 979. List, \$0.25..... **NET .17**

Depend on Allied for All Your Soldering Equipment Needs

**THOR "SUPER" COMPLETE
42-PIECE 1/4" DRILL KIT**

\$29⁹⁵ Saws, Grinds,
Drills, Sands,
Bufs, Etc.

- Drill, 2 Saw Attachments, Accessories
- Burnout-Proof Motor; Ball Bearing

Complete home workshop. Ideal for home, shop, garage or farm. Powerful 2 1/2-amp, 1/4" power drill and attachments handle hundreds of do-it-yourself projects. Drills, grinds, sands, polishes, buffs, mixes paint, etc.

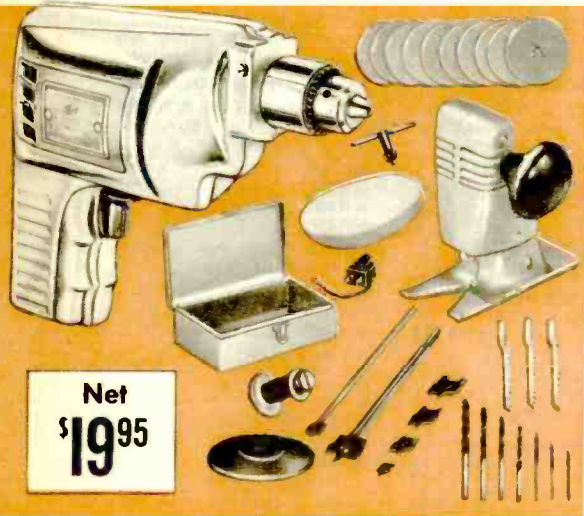
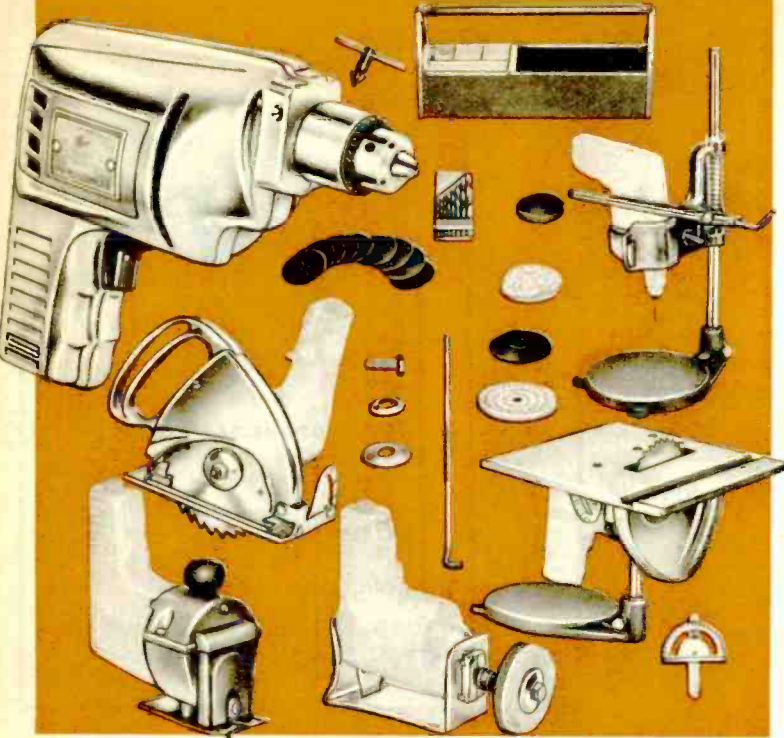
Thor No. 20 drill has self-aligning oilite bearings—husky motor will not burn out. Steel gear-type chuck takes 1/4" shanks. No-load speed, 2400 rpm; full-load, 1500 rpm. Trigger switch has locking pin. Drill is 7" long.

Kit contains: Thor No. 20 drill; 9 drill bits; drill-press stand; circular saw and jig-saw attachment; steel saw table; 10 sanding discs; grinding wheel; wool polishing bonnet; cloth buff; rubber backing pad; 6-piece arbor set; paint stirring tool; steel post for use between saw table and bench; rugged steel carrying and storage box with 4 saw blades.

Drill also has 3-wire cord and plug, 2-prong plug adapter. U.L. Approved. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

50 NU 537. Llist, \$42.50 NET 29.95

Specially Designed for Allied—Thor-Speedway 1/4"



**Net
\$19⁹⁵**

THOR 1/4" 38-PIECE HOME DRILL KIT

You'll find hundreds of uses around the home or workshop for this popular jigsaw power drill kit. Consists of a powerful 1/4" drill, a versatile jig-saw attachment, accessories and a sturdy steel carrying and storage case.

Thor No. 20 drill has 2 1/2-amp burn-out proof motor—plenty of power for driving attachments. Jig-saw attachment can be used for fancy scrollwork or rip cuts. Also: 3 jig-saw blades; 6 wood-boring bits, 3/8-1"; 7 drill bits, 1/16-1/4"; 7-piece arbor set; polishing bonnet; 4" rubber backer; 10 sanding discs; metal case. U.L. Approved. For 110-120 v., 60 cycle AC. 9 lbs.

50 NX 867. List, \$33.95 NET 19.95



**Net
\$14⁵⁰**

LOW-COST THOR 1/4" 31-PIECE HOME DRILL KIT

Economy 31-piece drill kit. Ideally suited to the requirements of the home handyman, hobbyist and others who desire a dependable electric drill. Kit consists of a powerful 1/4" drill, accessories and a sturdy steel case.

Thor No. 20 drill has 2 1/2-amp burn-out proof motor. Offers 1500-rpm speed under load, long-life ball thrust bearings, geared chuck with key. Kit includes: drill assortment of 9 drill bits; 4 1/2" wool polishing bonnet; 4" rubber backer; 10 sanding discs; adapters and flanges; steel case. 10 1/2 x 6 3/4 x 3 3/8". U.L. Approved. For 110-120 v., 60 cycle AC. 9 lbs.

50 NX 536. List, \$19.95 NET 14.50

**THOR-SPEEDWAY 62-PIECE
POWER TOOL KIT**

Practically a Complete Workshop! **\$49.95**

- 3/8" Drill, Jig Saw, Orbital Sander
Feature Burnout-Proof Motors

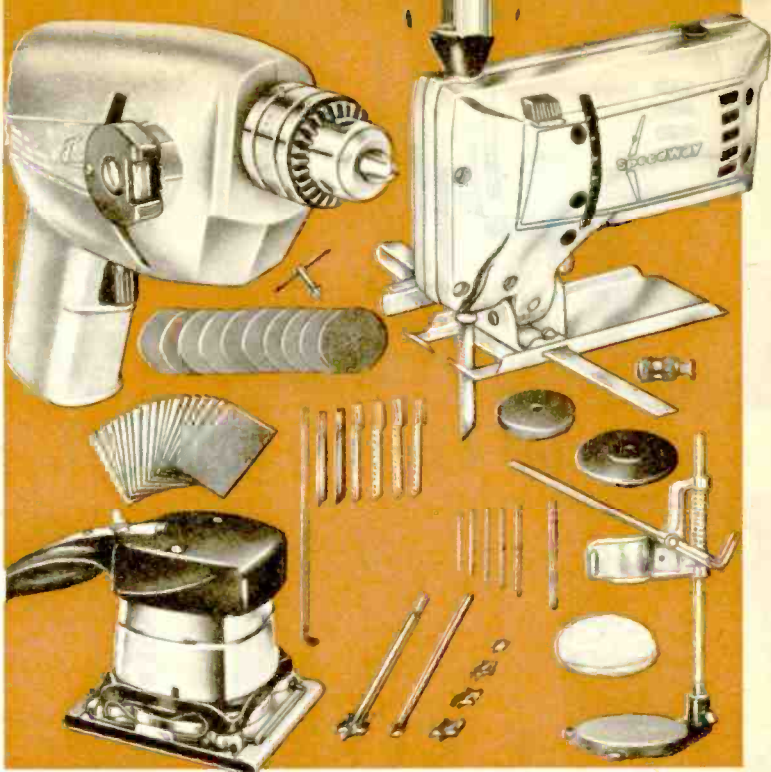
Breeze through the toughest drilling, grinding, sawing, sanding, polishing and buffing jobs. Excellent for the home, shop, garage, etc., these three power tools feature burn-out proof motors.

Husky Thor 813SS drill has 2 1/2-amp motor, 1750-rpm no-load speed, bronze alloy bearings, "Speed-Sight" for all-angle drilling; ball-thrust bearing. Thor 821 orbital sander is lightweight, easy to handle; has self-oiling bearings, 4 1/2 x 5 1/2" sanding area.

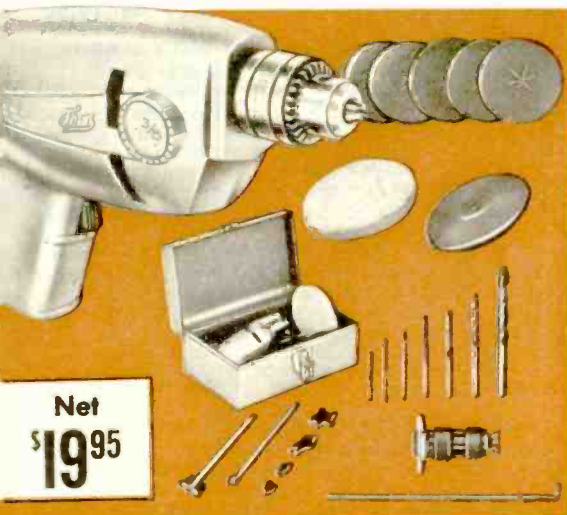
Thor No. 805 jig saw cuts curves, scrolls, straight and rip cuts in wood up to 2" thick, 1/8" in. steel. Adjustable plate permits accurate angle cuts up to 45°. No-load speed 3000 strokes per minute.

Kit includes: drill; sander; jig saw; 6 chrome steel drill bits, 1/8 to 3/8"; 6 wood bits, 3/8 to 1"; 7-pc. arbor set; drill press; 7 jig-saw blades—5 wood blades, 2 metal-cutting blades; 18 sandpaper sheets; 10—4" sanding discs; 4 1/2" lambswool bonnet; 4" rubber backer; 1 paint mixer; 3" grinding wheel. U.L. Approved. For 110-120 v., AC. 32 lbs.

50 NU 865. List, \$88.50. **NET 49.95**



and 3/8" Complete Home-Workshop Power Drill Kits



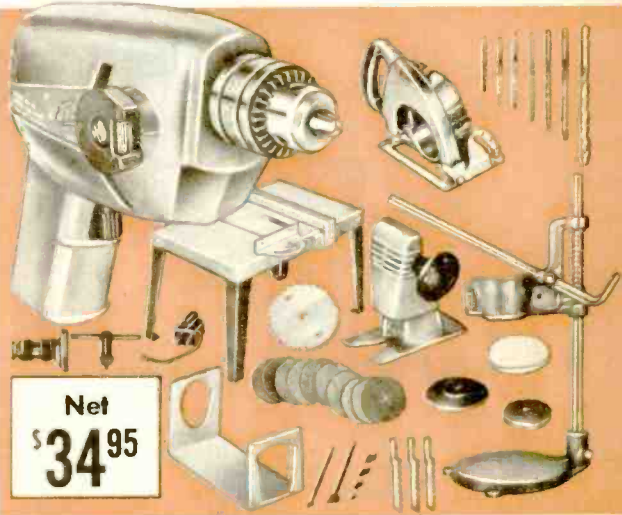
**Net
\$19.95**

THOR-SPEEDWAY 28-PIECE HOME DRILL KIT

Complete 28-piece "Work-Saver" 3/8" power drill kit. Perfect for the handyman and the "do-it-yourselfer". Contains drill, accessories, and handy steel carrying/storage case.

Thor No. 813 drill has heavy-duty 2 1/2-amp burn-out proof motor, ball thrust bearings—provides 1150 rpm under load. Gear-type chuck—no slippage. Kit includes drill, 5—5" sanding discs; 5 1/2" lambswool bonnet; 5" rubber backer; paint stirring tool; 7 drill bit, 1/8 to 3/8"; 6 wood bits, 3/8 to 1"; 5-piece arbor set; and steel case. U.L. Approved. For operation from 110-120 v., 60 cycle AC. Wt., 11 lbs.

50 NX 866. List, \$30.95. **NET 19.95**



**Net
\$34.95**

THOR-SPEEDWAY 43-PIECE HOME DRILL KIT

All-purpose 3/8" drill kit. Features Thor 813SS drill with handy "Speed-Sight" that lets you drill angles accurately—just set the angle and level the bubble. Industrially rated, has geared chuck with key, ball thrust bearing.

Includes: drill; 7 drill bits, 1/8 to 3/8"; drill stand; circular-saw attachment with blade and work-table; jig-saw attachment with 3 blades; horizontal speed stand; 6 wood-boring bits, 3/8 to 1"; 3" grinding wheel; 10 sanding discs; wool polishing bonnet; rubber backer; 7-pc. arbor assembly. U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

50 NU 872. List, \$71.35. **NET 34.95**

You Get More for Your Money from Allied



MOST POPULAR 1/4" POWER DRILL

THOR MODEL 20 SUPER-VALUE DRILL

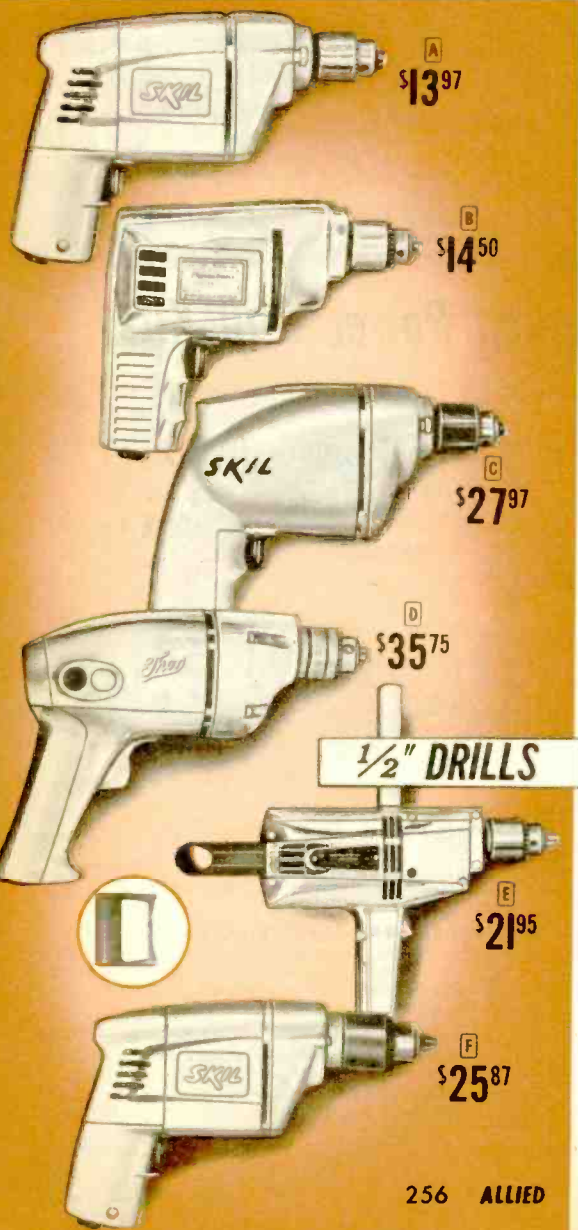
\$990

- Burn-Out Proof Motor; 11-Bar Commutator
- Smooth, Self-Aligning Ball-Thrust Bearing
- Die-Cast Aluminum Housing; Geared Chuck
- Precision-Made, Hobbled Steel Gears

An outstanding value in a highly-efficient 1/4" power drill. Ideal for a wide variety of jobs around shop, home, garage and farm. Husky 2 1/2-amp motor has plenty of power for driving drill attachments. Rugged gear-type chuck takes drill shanks to 1/2". Drills holes in steel to 1/2" dia., 1/4" in hardwood. Self-aligning ball-thrust bearing assures smooth operation. Momentary-contact switch has locking pin. No-load speed, 2400 rpm; full-load, 1500 rpm. Die-cast aluminum housing. Overall length, 9". U.L. Approved, industrially rated. Includes chuck key; 6-ft., 3-wire cord and 3-prong plug. For 110-120 v., 60-cycle AC. Shpg. wt., 3 1/2 lbs.

50 N 538. List, \$15.00.....NET 9.90

Selected Values in Popular 1/4" and 1/2" Drills . . .



A SKIL MODEL 503 ECONOMY 1/4" DRILL

- Cool-Running, 2 1/2-Amp Motor; Self-Adjusting Brushes
- Helical Gears Deliver Full Power, Greater Torque

A low-priced, basic power tool for any workshop, the industrially rated 503 has self-adjusting armature brushes, helical gears, trigger switch and geared chuck. No-load speed, 2500 rpm. 9" long. With key, 3-wire cord and plug, 2-prong adapter. U.L. Approved. For 110-120 v., AC only. Wt., 4 1/2 lbs. 50 N 522. List, \$19.95.....NET 13.97

B NEW THOR MODEL 222 LOW-COST 1/4" DRILL

- Design Features Heavy-Duty Ball Bearing on Spindle
 - 22-Bar Commutator; Burn-Out Proof Motor; Geared Chuck
- Perfectly balanced, rugged duty 1/4" drill for all around use. 2 1/2-amp motor; ball and bronze bearings; die-cast aluminum housing. No-load speed, 2400 rpm; full-load speed, 1500 rpm. 7 3/4" long. Has trigger switch and locking pin, 3-wire cord, key. U.L. Approved. For 110-120 v., AC. Wt., 4 1/2 lbs. 50 N 836. List, \$18.95.....NET 14.50

C NEW SKIL MODEL 550 HEAVY-DUTY 1/4" DRILL

- More Powerful 3-Amp Motor Develops Up to 1/4 HP
 - 20-Bar Commutator; Multi-Ball Thrust Bearing on Spindle
- For more powerful, extra-duty continuous operation; for driving larger drill attachments. Precision helical gears, large cooling fan. Has trigger switch, lock pin. No-load speed, 2500 rpm. 8 3/4" long. With 3-wire cord, plug; 2-prong adapter, key. U.L. Approved. For 110-120 v., AC or DC. Wt., 4 1/2 lbs. 50 N 972. List, \$39.95.....NET 27.97

D NEW THOR MODEL 503 HEAVY-DUTY 1/4" DRILL

- Has 22-Bar Commutator; Burn-Out Proof, 3-Amp Motor
 - Double Reduction Alloy Steel Gears; Aluminum Housing
- Has all ball and needle bearings; geared chuck; oversize switch. No-load speed, 2200 rpm; full-load, 1400 rpm. 8 3/4" long. 10-ft. 3-wire cord, plug; 2-prong adapter, key. U.L. Approved. For 110-120 v., AC or DC, 5 lbs. 50 N 845. List, \$49.95.....NET 35.75

E NEW THOR-SPEEDWAY MODEL 814 1/2" DRILL

- Burn-Out Proof 4-Amp Motor; 14-Bar Commutator
 - Special, Self-Oiling Bronze Alloy Bearings; Steel Gears
- An outstanding value in an extra-power, ruggedly designed 1/2" drill. Has 600-rpm no-load speed, 400 rpm under load. Ball thrust bearing; polished aluminum and black crackle case; 2-position rear and removable top handles. 14 1/2" long. With key, 6-ft., 3-wire cord. U.L. Approved. For 110-120 v., 60 cycle AC or DC. Shpg. wt., 11 lbs. 50 NX 844. List, \$31.95.....NET 21.95

F SKIL MODEL 541 COMPACT 1/2" DRILL

- Gives Big Drill Performance, Small Drill Handling Ease
 - 3-Amp Motor; Double Reduc. Gears; 10-Bar Commutator
- Husky, compact pistol-grip drill. Double-reduction gears develop high torque from 3-amp motor. Geared chuck—spindle has multi-ball thrust bearing for heavy use. Removable side handle. Trigger switch, lock pin. 9 3/4" long. No-load speed, 750 rpm. With key, 3-wire cord, plug; 2-prong adapter. U.L. Approved. For 110-120 v., AC only. Wt., 5 lbs. 50 N 543. List, \$36.95.....NET 25.87

BEST SELLING 3/8" POWER DRILL
THOR-SPEEDWAY MODEL 813 DRILL

- Powerful 2 1/2-Amp Motor Won't Burn Out
- 11-Bar Commutator; Locking Trigger Switch
- Ball-Thrust Bearing; "Speed Sight"
- Polished Aluminum Housing; Geared Chuck

\$12.50

Amazingly low price for this industrially-rated, 3/8" drill. Ideal for all-around use; drills holes in wood up to 1" thick, up to 3/4" thick steel. Carefully designed, 2 1/2-amp motor with 11-bar commutator, won't burn out. Has special alloy self-oiling bronze bearings, gear-type chuck that holds tight—no bit slippage. No-load speed, 1750 rpm; full-load speed, 1150 rpm.

Trigger switch has locking pin for continuous operation. Polished aluminum housing. 8 1/2" long. With 6-ft., 3-wire grounding-type cord, key, etc. U.L. Approved. For operation from 110-120 v., 60 cycle AC only. Shpg. wt., 5 lbs.
50 N 832. List, \$18.95. NET 12.50



THOR-SPEEDWAY

... 3/8" and 1/2" Power Drills for Home and Industry

A NEW THOR-SPEEDWAY 811-BT 3/8" DRILL

- Husky, Burn-Out Proof 3-Amp Motor; 11-Bar Commutator
- Double-Reduction Steel Gears; Ball-Thrust Bearing

Low cost, but with extra power for tough jobs. Drills holes to 3/8" in steel; 1/2" in wood. Has oilite bearings, geared chuck, aluminum housing. No-load speed, 925 rpm; full-load, 610 rpm. 8 1/2" long. With 6-ft., 3-wire cord, plug; chuck key. U.L. Approved. For 110-120 v., 60 cycle AC. 5 lbs.

50 N 846. List, \$22.95. NET 14.95

B WEN MODEL 808 2-SPEED 3/8" DRILL

- Has Two Power Takeoffs—3000 and 1000-rpm
- Full 1/4" Capacity in Steel; 1/2" Capacity in Wood

Versatile 2-speed 3/8", 2-amp drill—3000 rpm for wood, metals; 1000 rpm for heavy metals, concrete. Geared chuck has ball-thrust bearings; high-torque motor. Also trigger switch; lock button; removable handle. 12 1/2" long. With 6-ft., 3-wire cord, plug; 2-prong adapter; key. U.L. Approved. For 110-120 v., AC or DC. 5 lbs.

48 N 947. List, \$29.95. NET 19.97

C NEW THOR MODEL 322 BIG-VALUE 3/8" DRILL

- 3.1-Amp Motor Is Burn-Out Proof; Has 22-Bar Commutator
- Heavy-Duty Thrust and Spindle Ball Bearings

A real buy that offers balanced armature; precision steel gears; 3-jaw geared chuck with key; etc. No-load speed, 925 rpm; full-load, 610 rpm. With 6-ft., 3-wire cord, plug. 8 1/2" long. U.L. Approved. For 110-120 v., AC or DC. Wt., 5 lbs.

50 N 838. List, \$29.95. NET 21.50

D SKIL MODEL 560 DELUXE 3/8" DRILL

- 3-Amp Motor; Double-Reduction, High-Torque Gears
- Removable Side Handle for Drilling in Tight Spots

Rugged and reliable, with oversize fan for effectively cooling motor. Drills holes to 3/8" dia. in steel, 1/2" in wood. No-load speed, 1000 rpm; geared chuck. Trigger switch, lock pin. 9 1/2" long. With key, 3-wire cord, plug; 2-prong adapter. U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 4 1/4 lbs.

50 N 542. List, \$34.95. NET 24.47

E NEW THOR 1419R REVERSIBLE 1/2" DRILL

- Burn-Out Proof 5 1/2-Amp Motor; 28-Bar Commutator
- Reversing Switch in Handle; Removable Top/End Handles

A solid value! Capacity: 1/2" in steel; 1 1/4" in hard wood. Heavy-duty, special bronze spindle bearing; rotatable end-grip handle, removable end and top handles. Has reversing switch, safety lock, quick release. No-load speed, 550 rpm; full-load, 400 rpm. Length (with end handle), 14 1/2"; without handle, 11 1/4". With 3-wire cord, geared chuck and key, etc. U.L. Approved. For 110-120 v., AC or DC. Wt., 12 lbs.

50 NX 869. List, \$49.95. NET 36.50

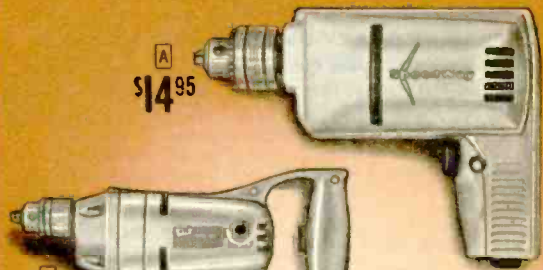
F NEW THOR 1435R REVERSIBLE 1/2" DRILL

- Similar in Design and Features to Above, But With 6 1/2-Amp Burn-Out Proof Motor, 28-Bar Commutator

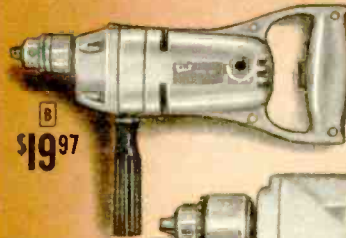
Has all the desirable features of Thor's Model 1419R, but for heaviest duty jobs. All ball and needle bearings, oversize switch with locking pin, etc. Size, etc., as above.

50 NX 870. List, \$74.95. NET 54.95

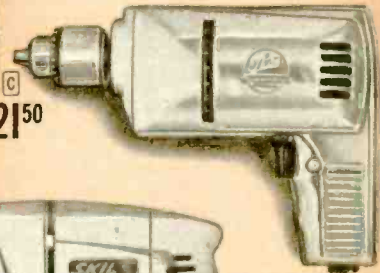
NEW THOR MODEL 1435 1/2" DRILL. Same as 1435R above, but without reversing feature.
50 NX 871. List, \$69.95. NET 49.95



\$14.95



\$19.97

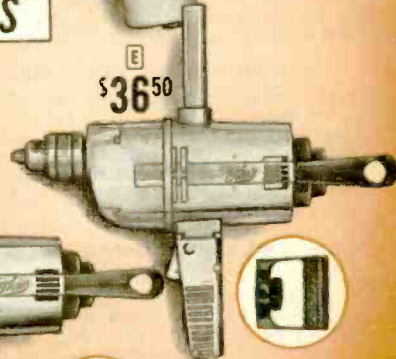


\$21.50

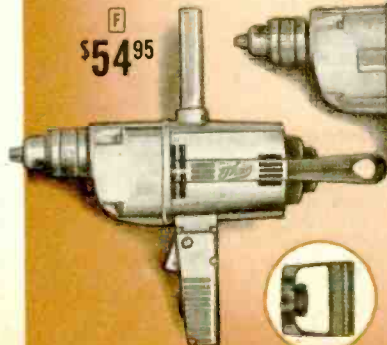


\$24.47

1/2" DRILLS

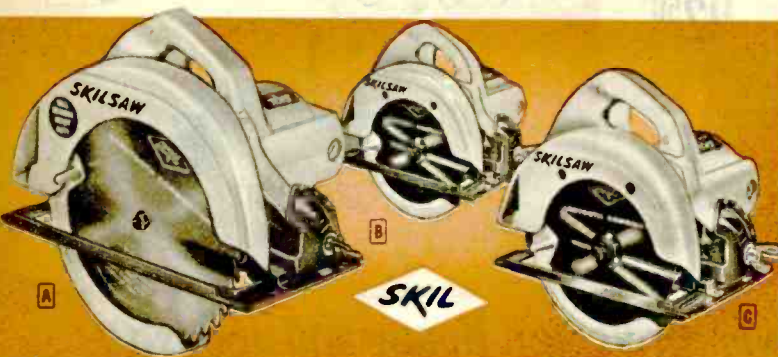


\$36.50



\$54.95

Selected Power Saws—Circular, Rip, Jig, Sabre



D SKIL MODEL 524 JIG SAW

Lightweight, economy, orbital-action jig saw. Crosscuts, rips, scrolls, notches and bevels up to 45°. Cuts intricate patterns; makes its own starting hole for pocket cuts. Cuts soft woods up to 2" at 90°; 1 1/4" at 45°; soft metals to 3/4"; mild steel to 1/4". 2.3 amp motor provides 3700 3/4" strokes-per-minute, no-load. Anti-friction self-lubricating bearings. 7 1/2" long. With 3 wood-cutting blades, wrench, 3-wire cord and adapter. U.L. Approved. For 110-120 v., AC-DC. 5 1/2 lbs.
50 N 519. List, \$34.95..... **NET 24.47**

BALL-BEARING SAWS

A SKIL 554 HEAVY-DUTY 8 1/4" CIRCULAR SAW

- Extra-Power Motor Has Plenty of "Bite" for Every Job
- Employs 3 Ball Bearings, Needle Bearing, Helical Gears

Has the power and cutting capacity for continuous or professional use. Huge 13-amp ball-bearing motor develops over 2 hp. 8 1/4" blade cuts vertically from 1/4" to 2 1/4" at 90°; maximum depth, 2 1/4" at 45°. No-load speed, 5200 rpm. Has exclusive blade lock for fast, easy blade changes. 12" long. With hardtooth combination blade; blade wrench; 3-wire cord, plug; 2-prong adapter. U.L. Approved. For 110-120 v., AC or DC. Shpg. wt., 17 lbs.
50 NU 874. List, \$99.95..... **NET 74.50**

C SKIL 553 HEAVY-DUTY 7 1/4" CIRCULAR SAW

Utilizes same features as Model 554 above, but has 12-amp, 2-hp motor; cuts from 1/4" to 2 3/4" at 90°; maximum depth, 1 3/4" at 45°. Has depth control, protractor for angle cuts, blade guard. No-load speed, 5200 rpm. 12" long. 3-wire cord, plug; 2-prong adapter. U.L. Approved. For 110-120 v., AC or DC. Wt., 16 lbs.
45 NX 222. List, \$89.95..... **NET 67.95**

B SKIL 552 HEAVY-DUTY 6 1/2" CIRCULAR SAW

Similar to above models, but with 6 1/2" blade and 10-amp motor that develops over 1 1/2 HP. Cuts vertically from 1/4" to 2 3/4" at 90°; maximum depth, 1 1/2" at 45°. No-load speed, 5800 rpm. Has blade lock, guard, combination blade, etc. 10 1/2" long. With 3-wire cord, plug, 2-prong adapter. U.L. Approved. For 110-120 v., AC or DC. Wt., 15 lbs.
50 NX 533. List, \$74.95..... **NET 56.95**

E SKIL MODEL 537 DELUXE 7 1/4" CIRCULAR SAW

Lower cost 7 1/4" saw, with 10-amp motor that develops 1 1/2 HP. Handles even toughest rip cuts. Has all the top Skil features: anti-kickback clutch, sawdust blower, blade lock, easy-setting depth control, etc. Cuts vertically from 1/4" to 2 3/4"; maximum depth of cut at 45°, 1 1/4". No-load speed, 5150 rpm. 12" long. With combination blade, wrench, 3-wire cord and plug; 2-prong adapter. U.L. Approved. For 110-120 v., AC or DC. Wt., 17 lbs.
50 NX 486. List, \$64.95..... **NET 49.95**

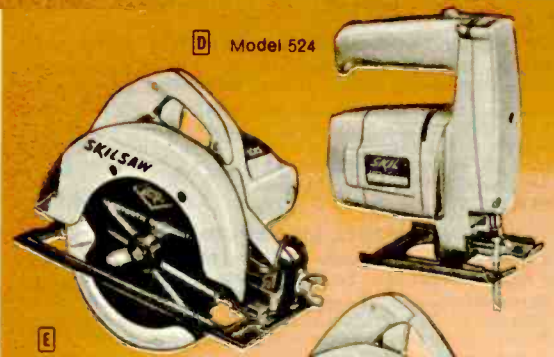
F SKIL MODEL 536 6 1/2" CIRCULAR SAW

Tops for the shop, home, etc. 9-amp, 1-hp motor has power to spare. Makes vertical cuts from 1/4" to 2 3/4" at 90°; 1 3/4" at 45°. Has safety clutch; depth and angle controls, sawdust blower; blind-free lower blade guard. No-load speed, 6300 rpm. Length, 9 1/2". With combination blade, blade wrench; 3-wire cord, 2-prong adapter. U.L. Approved. For 110-120 v., AC or DC. Wt. 12 lbs.
50 NX 534. List, \$49.95..... **NET 38.95**

G SKIL 577 "RECIPRO-SAW" WITH 3 BLADES

Totally new kind of power saw. Cuts anything—6" logs to thin plastic sheeting. Makes rip, miter, bevel, straight, flush cuts. Has double reduction gears, adjustable foot, 3-position side handle. 3-amp motor gives 2000—3/4" strokes—min. 11 1/4" long. With 3 blades (1—Type 25922, 1—Type 20538, 1—Type 20541, described at right); 3-wire cord, plug; 2-prong adapter. U.L. Approved. For 110-120 v., AC or DC. Wt., 6 1/2 lbs.
50 NX 789. List, \$49.95..... **NET 36.95**

D Model 524



E Model 537



F Model 536

G Model 577

CREDIT FUND PLAN

There's no need to put off buying the tools you need now for lack of ready cash. Allied's Credit Fund Plan lets you buy anything in this catalog for no money down. Take up to 24 months to pay. **SKIL** Open your Credit Fund Plan account today. See back of catalog.

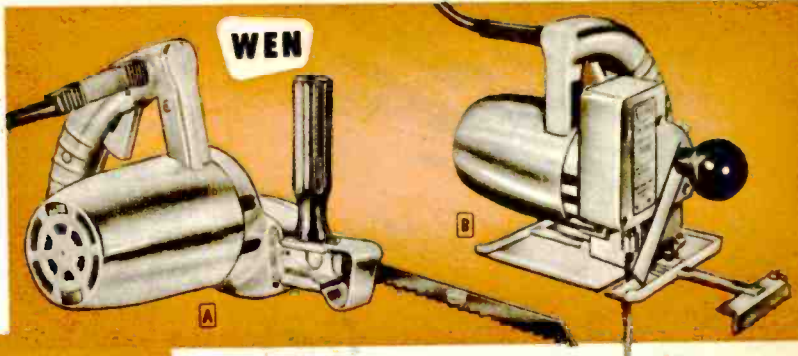
ACCESSORY BLADES FOR SKIL 577 SAW

- 50 N 790.** Type 23608 6" Metal Cutting Blade. 2 oz..... **NET 67c**
- 50 N 793.** Type 23606 6" Plaster Cutting Blade. 2 oz..... **NET 27c**
- 50 N 795.** Type 20538 4" Wood Scroll Blade. 1 oz..... **60c**
- 50 N 796.** Type 20541 4" Multi-Purpose Blade. For fast roughing-in cuts in wood with nails, soft metals, etc. 4" long. 1 oz..... **20c**
- 50 N 797.** Type 20543 12" Multi-Purpose Blade. 2 oz..... **NET 47c**
- 50 N 875.** Type 25922 9" Wood Cutting Blade. Special design for heavy wood cutting. Wt., 3 oz..... **NET 73c**

and Router — by Skil, Thor-Speedway, Weller, Wen

C WEN 505K SABRE SAW KIT

For home or shop. Cuts any material; makes starting holes, inside cuts. 1.8-amp motor gives 2650— $\frac{1}{2}$ " strokes/minute under load. Includes: saw; fine, medium, coarse blades: metal-cutting blades; case. 7 $\frac{1}{4}$ " long. With 3-wire cord, 2-prong adapter. U.L. Approved. For 110-120 v., AC-DC. 6 $\frac{1}{2}$ lbs. List, \$29.95.
50 N 541. 3-Up..... **EACH 19.57**
 1-2..... **EACH 21.99**
46 N 362. Model 505 Saw Only. With fine, medium, coarse blades. List, \$26.95. 4 lbs.
 3-Up, **EACH .17.61** 1-2, **EACH .19.81**

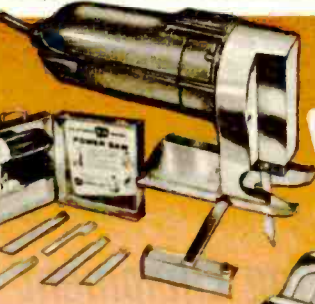


C Model 505K



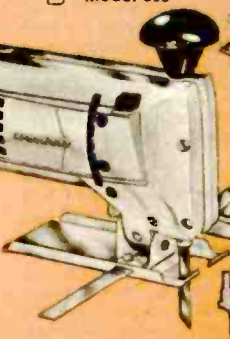
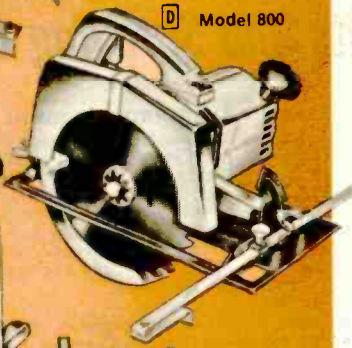
THOR-SPEEDWAY

D Model 800



THOR-SPEEDWAY

E Model 805



F Model 88

Weller



G Model 297

F NEW WELLER MODEL 88 ELECTRIC SABRE SAW

Features ultra-high speed and $\frac{3}{8}$ " stroke. Blade retracts on down stroke. Makes its own starting hole. Has powerful 4.8-amp, air-cooled reciprocating motor that needs no lubrication. Easy to handle—doesn't buck. Excellent for cabinet and finish work. 11 $\frac{3}{4}$ " long. With 4 wood-cutting blades, blade wrench and 8-ft. cord. For 110-120 v., 60 cycle AC. U.L. Approved. Wt., 6 lbs., **50 NX 880.** List, \$22.95. 3-Up, **EACH 15.38** 1-2, **EACH 16.87**

A NEW WEN 920 ALL-PURPOSE ZIPP SAW

- Powerful $\frac{1}{2}$ -HP Motor; Heavy-Duty Roller, Oilite Bearings
- Accurately Cuts Curves, Straight Cuts, Fine Pattern Work

Fast-cutting unit that saws up to 6" timbers, 2" pipe. Delivers 3200, 1" strokes per min. Cuts scrolls, curves, straight cuts in wood, metal, plastic, etc. Starts its own hole. Has full $\frac{1}{2}$ -hp, 4 $\frac{1}{4}$ -amp motor with heavy-duty bearings; hardened gears. Air stream clears dust from work—you get full cutting-blade visibility. Conventional saw grip; auxiliary grip handle; safety release switch. Includes 7 blades—one for every cutting job. Polished aluminum housing. With 3-wire, 8-ft. cord, plug. U.L. Approved. For 110-120 v., 50-60 cycle AC. 8 $\frac{1}{2}$ lbs.
50 N 873. List, \$44.95. 3-Up, **EACH 29.37** 1-2, **EACH 33.05**

B WEN MODEL 909 "ALL-SAW"

For straight cuts, arcs, circles, fine-pattern work in bakelite, wood, metal, tile, etc. Cuts $\frac{1}{2}$ " metals, 6" wood; 90° cuts in 6x6's 45° cuts in 4x4's. Makes inside cuts. $\frac{1}{2}$ -hp, 6-amp motor has oilite bearings, hardened gears. 3400—1" strokes per min. Sawdust blower; adjustable rip guide. 3-wire cord, 2-prong adapter. 7 $\frac{1}{2}$ x 7x8". U.L. Approved. For 110-120 v., AC-DC. Wt., 8 $\frac{1}{2}$ lbs.
50 N 236. List, \$44.95. 3-Up, **EACH 29.37** 1-2, **EACH 33.05**
50 N 237. Model 900 Replacement Blade Set. For Models 909 and 920, above. 7 assorted blades. $\frac{1}{2}$ lb. **NET 2.50**

D THOR-SPEEDWAY MODEL 800 7" CIRCULAR SAW

Industrially rated—has powerful 8-amp motor with burnout proof motor. Develops full 1.2 HP; has self-lubricating bearings. Cuts $\frac{1}{2}$ " to 2 $\frac{1}{4}$ " at 45°, 1 $\frac{3}{4}$ ". Has safety-slip clutch that eliminates blade "kick-back." Blade guard retracts as blade enters work. No-load speed, 5000 rpm. With rip fence; guiding handle; protractor for angle cuts; 3-wire cord. U.L. Approved. For 110-120 v., AC or DC. Shpg. wt., 15 lbs.
50 NX 809. List, \$30.95. **NET 21.95**

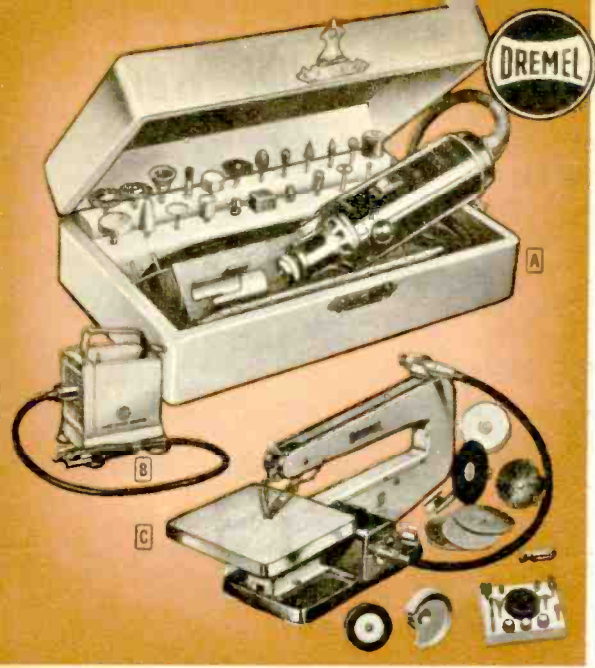
E THOR-SPEEDWAY MODEL 805 JIG SAW

Burnout-proof 3-amp motor with no-load speed of 3000— $\frac{3}{8}$ " strokes per minute. Uses helical-cut steel gears. Cuts up to 2" in soft wood; $\frac{1}{2}$ " in steel. Adjustable plate for cutting 45° angles on either side; also curves, scrolls, circles, straight cuts and rips. Self-oiling, bronze alloy bearings. With 2 wood-cutting blades; 1 metal-cutting blade; wrench; rip fence; circle cutter; guiding handle. U.L. Approved. For 110-120 v., AC or DC. Wt., 5 lbs.
50 N 830. List, \$19.95. **NET 13.95**

G SKIL MODEL 297 HEAVY-DUTY ROUTER

Powerful 6 $\frac{1}{2}$ -amp. $\frac{3}{4}$ -hp router for routing, trimming, cove-cutting, rabbeting and decorative cutting. Also mortises, trims, da-does, grooves and beads. No-load speed, 23,000 rpm. With $\frac{1}{4}$ " collet and wrench; 3-wire cord and plug. Overall ht., 6 $\frac{1}{2}$ ". U.L. Approved. For 110-120 v., AC or DC. Wt., 8 lbs.
50 NX 544. **NET 59.50**

ROUTING BITS FOR ABOVE. Straight bits; 2 flutes; $\frac{1}{4}$ " shank dia.; 1 $\frac{1}{4}$ " cutting length; 1 $\frac{3}{4}$ " shank length. 2 oz.
50 N 545. With $\frac{1}{4}$ " tip diameter..... **NET 1.75**
50 N 546. With $\frac{1}{2}$ " tip diameter..... **NET 2.40**
50 N 547. With $\frac{1}{2}$ " tip diameter..... **NET 2.90**



DREMEL MOTO-TOOL KITS

A MODEL 2 MOTO-TOOL KIT. Pocket-sized precision "machine shop". Engraves, routs, sands, polishes, saws, grinds, drills, etc. Includes: Model 221, 27,000-rpm Moto-Tool; chuck; 3 collets; finger-grip; 4 emery wheel points; dressing stone; 8 steel cutters and steel saw; 5 bristle brushes; 1 steel brush; shoulder mandrel with sanding disc; screw mandrel with felt wheel; drum sander; case. U.L. Approved. For 110-120 v., AC or DC. Wt., 4 lbs.
46 N 378. List, \$29.95
50 N 598. Model 221 Moto-Tool Only

NET 22.95
NET 15.75

B MODEL 60 "FLEX-O-TOOL" POWER UNIT. Powerful portable 3450-rpm motor with 36" flexible shaft for driving grinding, drilling, sanding, engraving, polishing tools. Plastic handpiece has steel grip. Motor case 6 1/2"x4 3/4"x6 1/2". With extra collet. U.L. Approved. For 110-120 v., 50-60 cycle AC. Wt., 6 1/2 lbs.
45 N 237. List, \$34.50

NET 23.00

45 N 234. Model 574 12-Piece Tool Kit. For above. Includes: 1 steel cutter; 1 drill; 2 wheel points; 2 brushes; 1 sander; 3 bands; 2 collets. Plastic box. 2 lbs. List, \$5.15.

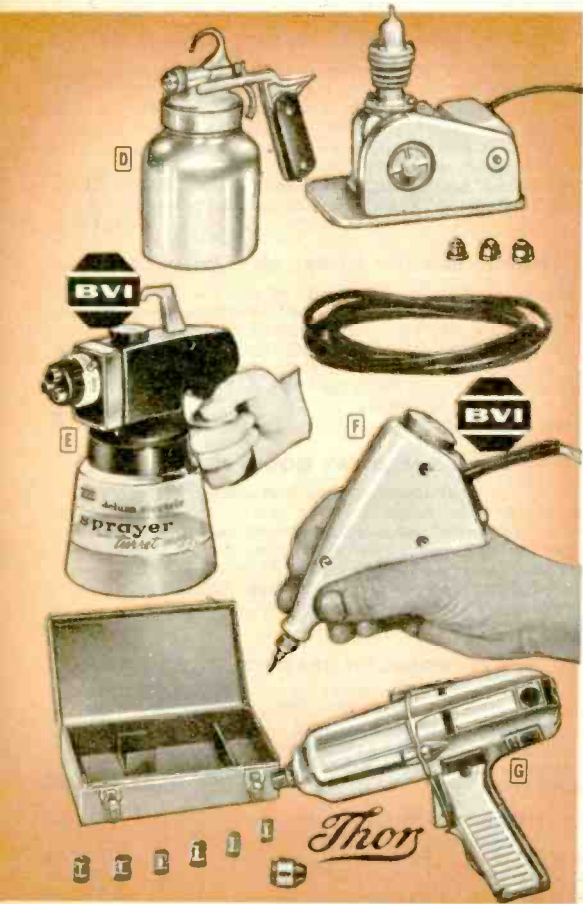
NET 3.49

C MODEL 572 DELUXE MOTO-SHOP KIT. Features 15" jig saw with power takeoff and disc sander attachment. Handles all jobs around the home and hobby shop. Rocker-action saw has tilting table, 3450-rpm ball-bearing rotary motor, blade guard. Flexible shaft drives accessories. Includes: jig saw with 4 saw blades; rubber backer; adapter; 3 sanding discs; grinding wheel; cloth buffing wheel; wire brush wheel; wheel guard; polishing compound stick; and 12-piece set of abrasive wheels, collet adapters, router, brush and drill. U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 17 lbs.

46 NX 952. List, \$49.95

NET 38.95

Precision Power Tool Kits and Spraying Equipment



D NEW ATLAS PROFESSIONAL PAINT SPRAYER
 Improved compressor-type sprayer at an extremely low price. Gives you a much faster, more professional spraying job with various types of paint, enamel, varnish, insecticides—even multicolor liquids. Compressor has precision-machined piston, honed cast-iron cylinder. Internal-mix, pressure-type gun gives wide, uniform fan spray. Complete with 1-quart aluminum container; 3 spray nozzles for all types of work; 10-ft. hose; and fan-cooled, universal 1/4-hp motor. For operation from 110-120 v., AC or DC. Shpg. wt., 10 lbs.

50 NX 813. List, \$29.95

NET 22.95

47 N 089. Extra 1-Quart Container. Wt., 1/4 lb.

NET 1.19

47 NX 085. Metal Carrying Case. Wt., 2 1/2 lbs.

NET 3.25

E BURGESS MODEL VS-850 ELECTRIC SPRAYER
 Deluxe unit with 3 sapphire nozzles on rotating turret. Sprays paint, varnish, enamel, light oils, etc. Handy "dial-a-spray" produces fan-shaped spray for walls, floors; round spray for furniture, etc.; fogger for garden sprays, insecticides. Foolproof, trouble-free and easy to clean. Reciprocating motor is housed in shockproof head. With 24-oz. container and 8-ft. cord. For 110-120 v., 50-60 cycle AC. 4 lbs.

50 N 584. List, \$19.95

NET 14.63

50 N 502. Extra Container. 24 fl. oz. For above. 1/2 lb.

NET 1.12

F BURGESS MODEL 73 DELUXE VIBRO-GRAVER
 Engraves steel, glass, aluminum, plastics, ceramics, brass, stone, wood, etc. Handles like a pencil—vibrator motor delivers 7200 strokes per minute for fast, clean, permanent engraving. Excellent for factories, labs, homecraft and hobby shops. Compact and easy to operate—anyone can use it skillfully with just a few minutes experience. Includes tantalum carbide point. For 110-120 v., 50-60 cycle AC. Shpg. wt., 1 lb.

50 N 556. List, \$12.95

NET 9.69

G THOR IMPACT WRENCH/DRILL KIT
 Powerful 4-amp impact tool for shop, garage and farm. Reversible wrench drives nut-driver sockets, provides powerful torque. Easily converts to 1/2" drill; with attachments, use as power screwdriver, sander, etc. Includes 6 most-used hexagon sockets (1/8", 3/16", 1/4", 5/16", 3/8", 1/2"); 3-jaw, geared 1/2" chuck; and steel carrying case. With 3-wire, 10-ft. cord and 2-prong adapter. Case 10 1/2"x11 1/4"x16 1/4". U.L. Approved. For 110-120 v., AC or DC. Wt., 21 lbs.

50 NU 878. List, \$89.50

NET 66.82

50 NU 879. Impact Wrench Only. 9 lbs.

NET 55.59

A NEW WEN MODEL 910 DELUXE 3" BELT SANDER

- All Gear Driven; Permanently Lubricated Gears, Bearings
- Polished Aluminum Housing, Ventilated for Cool Running

Professional-quality, industrial-duty unit at home workshop prices! Handles toughest sanding jobs; has powerful 1/2-hp, 4 1/2-amp motor. Free belt speed 850 ft./min. Sawdust blower; quick, easy belt changing; contour grip. With coarse, medium and fine sanding belts; and 6-ft., 3-wire U.L. approved cord and plug. 5 1/2"x5 1/2"x10 1/2". For 110-120 v., 50-60 cycle AC. Wt., 9 lbs.

- 50 N 805. List, \$44.95 **NET 33.05**
 50 N 806. Extra Coarse Sanding Belt. 60 grit. 3 oz. 52c
 50 N 807. Extra Medium Sanding Belt. 80 grit. 3 oz. 52c
 50 N 808. Extra Fine Sanding Belt. 120 grit. 2 oz. 52c

B SKIL MODEL 405 PROFESSIONAL 4" BELT SANDER

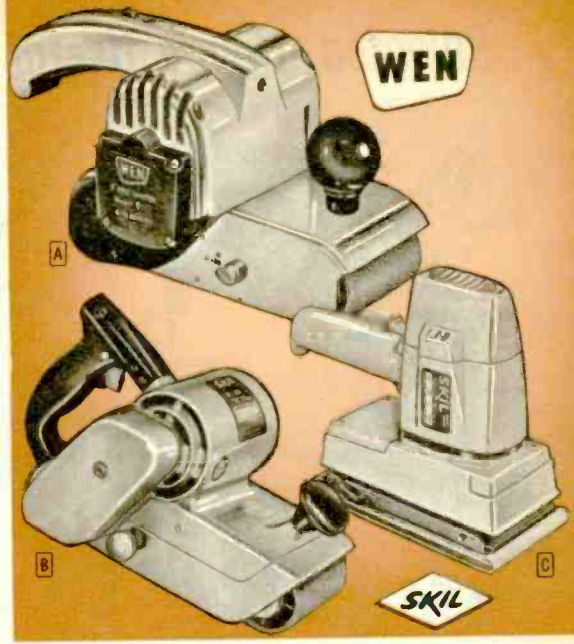
Features powerful 7-amp motor, ball and sleeve bearings. Motor drives 4x21 1/4" belt at 1350 ft./min. Sands up to vertical edges. 6 1/2"x6 1/2"x12 1/2". With belt, 3-wire cord, 2-prong adapter. U.L. Approved. For 110-120 v., AC or DC. 15 lbs.

- 50 NX 328. List, \$89.95 **NET 66.99**
 50 N 078. Box of 10 Assorted Belts. 1 1/2 lbs. **NET 6.60**

C SKIL MODEL 592 DELUXE ORBITAL SANDER

Sands, buffs, polishes—full 25 sq. in. pad. Sands to vertical edges and into corners. 2 1/2-amp motor; 5000 strokes/min. With 3 assorted 3 1/2"x9" sanding sheets, 3-wire cord, 2-prong adapter. 6 1/2"x9 1/2"x3 1/2". U.L. Approved. For 110-120 v., AC or DC. 7 lbs.

- 50 NX 520. List, \$39.95 **NET 27.97**
 50 N 096. Lambs' Wool Polishing Pad. 1/4 lb. **NET 1.12**



Quality Power Sanding and Grinding Equipment

D WELLER MODEL 77 RECIPROCAL POWER SANDER

Easy-to-use sander designed for long, trouble-free life under hard usage. Reciprocating 4.8-amp motor is fan-cooled, drives unit at 14,400 strokes/min. Stroke length, 3/16"; sanding area 26 square inches. Removable side handle. Uses 3 1/2"x9" sanding sheets (not included), 9" long. With 8-ft. cord. U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 6 1/2 lbs.

- 50 N 570. List, \$19.95 **NET 14.66**

E NEW THOR-SPEEDWAY 821 ORBITAL SANDER

Improved, low-cost version of Thor's famous No. 1 sander. Features 4 1/2"x5 1/2" sanding area and a 1/8" orbit that duplicates professional hand-sanding. Uses 4 1/2"x6 1/2" sandpaper sheets (1 sheet included). Mirror-finished housing. With 3-wire cord, 2-prong adapter. U.L. Approved. For 110-120 v., 50-60 cycle AC. 5 1/2 lbs.

- 50 N 829. List, \$16.95 **NET 11.99**

THOR HIGH QUALITY "SPEEDGRINDERS"

F THOR MODEL 118B LOW-COST BENCH GRINDER
 Light to medium duty, bench-type grinder. Burn-out proof motor; no-load speed, 3450 rpm. Has lightweight aluminum body, water-cooling tray, tool rests, dust shields, eye shields. With 2 grinding wheels (40 and 70-grit), 4 1/2"x 1/2", 3/8" holes; 6-ft., 3-wire cord. Length, 9 1/4". U.L. Approved. For 110-120 v., 60 cycle AC. Wt., 7 3/4 lbs.

- 50 NX 850. List, \$21.95 **NET 15.95**

G THOR MODEL 128B MEDIUM-PRICED GRINDER

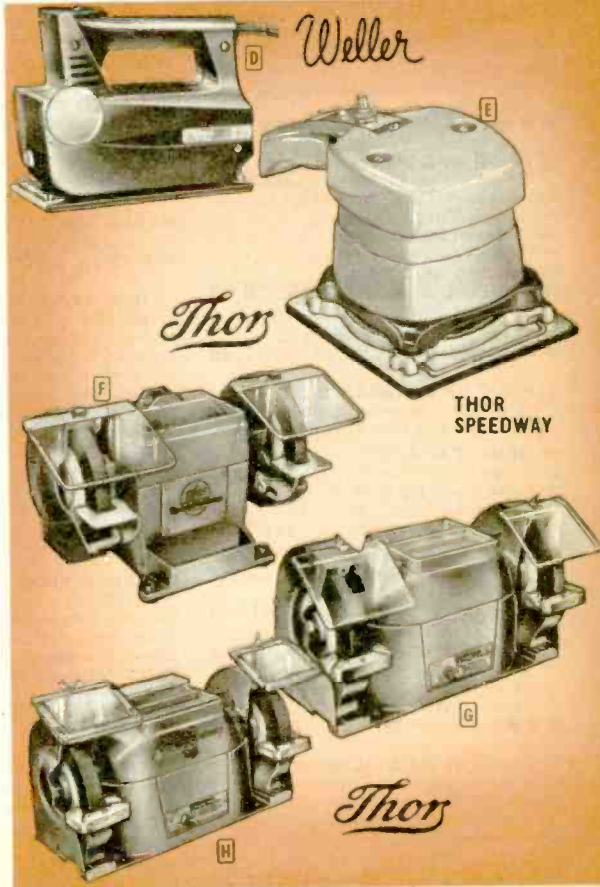
Improved "Speed Grinder" for heavier jobs. Burnout-proof 1/2-hp, shaded-pole motor gives 3450-rpm no-load speed, has self-aligning bearings. Tool rests, angle guides, reinforced eye shields. 2 grinding wheels (46 and 75-grit), 6x 1/2", 1/2" holes. Length, 16". 3-wire cord. U.L. Approved. For 110-120 v., 60 cycle AC. Wt., 25 lbs.

- 50 NU 851. List, \$35.50 **NET 24.95**

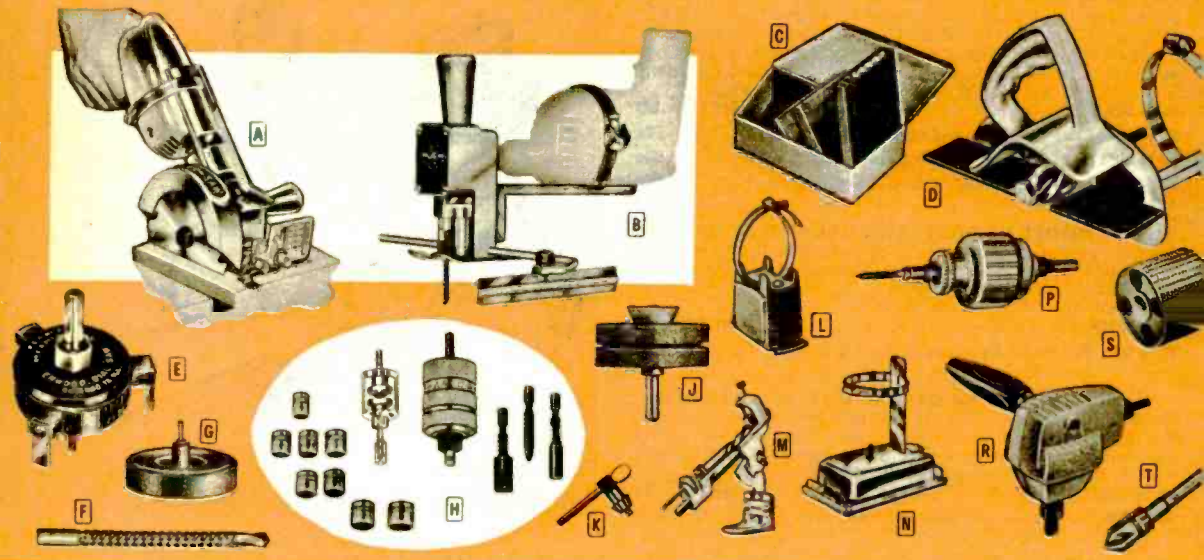
H THOR MODEL 130B DELUXE BENCH GRINDER

For heaviest jobs. Full 1/2-hp, ball-bearing motor won't burn out, gives 3450-rpm no-load speed. Offers removable plastic quench tray, die-cast tool rests with angle guides, parts tray, reinforced eye shields, adjustable spark arresters. High-strength, die-cast aluminum alloy housing. With 2 grinding wheels (46 and 75-grit), 6x 1/2", 1/2" holes. Length, 16". Heavy duty 3-conductor lead cord. U.L. Approved. For 110-120 v., 60 cycle AC. Wt., 27 lbs.

- 50 NU 868. List, \$47.50 **NET 33.95**



Selected, Highly Useful Power Drill Accessories



A ARCO 460 CIRCULAR SAW. Slide-lock fits any $\frac{1}{4}$ " drill. Detachable Dado-Arbor swivels blade to cut grooves to $\frac{1}{2}$ " wide, 1" deep. Cuts 2x4's. Depth and bevel gauges—cuts to 1 $\frac{1}{4}$ ", bevels to 45°. Right angle steel gear drive. Self-lubricating bearings. With rip adjustable gauge, yoke, 5" blade. Shpg. wt., 4 lbs.
50 N 840. List, \$12.95..... **NET 8.63**

B ARCO 560 JIG SAW. Attaches to any $\frac{1}{4}$ " drill. Has adjustable circle cutter and rip gauge. Cuts circles to 20" dia., rips to 10" wide. Cuts 2x4's, plastic, metal, etc. Air blower clears sawdust. Right angle drive; self-lubricating bearings. With blade. Shpg. wt., 2 $\frac{1}{2}$ lbs.
50 N 231. List, \$9.95..... **NET 6.63**
6 EXTRA BLADES. 2 each—coarse, medium and fine-tooth blades. $\frac{1}{2}$ lb.
50 N 232. List, \$1.95..... **NET 1.39**

C HUOT DRILL CASES. Sturdy—made of durable heavy-gauge steel. Handy index shows drill sizes at a glance.
60 DRILL CAPACITY. Holds standard drill sizes 1 to 60. Decimal equivalents and machine-screw tap data are on inside of case. Size, 3 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1". Wt., 1 lb.
46 N 790...... **NET 1.84**

29 DRILL CAPACITY. As above, but takes 29 bits from $\frac{1}{16}$ " to $\frac{1}{8}$ " in steps of $\frac{1}{16}$ ". Size, 4x7x1 $\frac{1}{4}$ ". Wt., 3 lbs.
50 N 084...... **NET 2.18**

D AERO "ROTO-PLANE." Fits $\frac{1}{4}$ " and $\frac{3}{8}$ " drills. 0- $\frac{1}{16}$ " cut; 1 $\frac{1}{4}$ " cutting width. Guide edge for planing at true 90°. With clamp ring. Wt., 3 lbs.
50 N 954. List, \$11.95..... **NET 6.75**

E ERWOOD 355 DIAL SAW. For use with electric drills, lathes, etc. Dial adjusts for hole sizes from 1 $\frac{1}{8}$ " to 3 $\frac{1}{2}$ ". Cuts, metal, wood, plastic, etc. $\frac{3}{8}$ " shank. Metal-cutting blades; $\frac{1}{16}$ " pilot drill. Shpg. wt., 1 $\frac{1}{2}$ lbs.
50 N 373. List, \$10.50..... **NET 7.39**

F BEAVER SAW DRILL BITS. High speed bits for $\frac{1}{4}$ - $\frac{1}{2}$ " drills. Abrasive resistant steel; non-clog flutes. Wt., 3 oz.
46 N 795. All-Purpose. **46 N 796.** Wood.
46 N 797. Heavy-Metal Bit. . EACH **1.65**

G BABCO 30 SANDER KIT. Vibration-free sanding with 5" foam rubber backing pad; "Rubber-Flex" swivel drive. Fits all $\frac{1}{4}$ " drills. 6 sanding discs for wood or metal. Shpg. wt., 8 oz.
50 N 238. List, \$2.25..... **NET 1.65**

BABCO 509 REPLACEMENT DISCS. Package of 6. Shpg. wt., $\frac{1}{2}$ lb.
50 N 239...... **NET PER PACKAGE .37**

H NEW ARCO 750 SCREW-NUT DRIVER SET. 15-piece outfit fits any drill. Non-slip industrial-type clutch idles until pressure is applied, disengages automatically when work is driven home. Special holders prevent bits from slipping off screwheads. Includes: 2 flat bits with bit holders for #4-8 and #8-14 slotted screws; #2 Phillips head bit; 6 hex socket wrenches ($\frac{1}{8}$ ", $\frac{9}{16}$ ", $\frac{11}{32}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ "); 2 square socket wrenches ($\frac{1}{4}$ ", $\frac{9}{16}$ "); and holder with ball lock. Complete instructions are included. Shpg. wt., 13 lbs.
50 N 955. List, \$7.95..... **NET 4.95**

J BABCO KNIFE-SCISSORS SHARPENER. Fits any $\frac{1}{4}$ " drill. Beveled groove between grinders sharpens knives. Cup guide on end of shaft holds scissors at proper sharpening angle. 5 oz.
50 N 377. List, \$1.00..... **NET .75**

K $\frac{1}{4}$ " GEAR CHUCK KEY. Wt., 4 oz.
50 N 195...... **NET .70**

L BABCO 912 HORIZONTAL DRILL STAND. One-piece metal stand clamps or screws on bench. Converts $\frac{1}{4}$ " drill into a bench tool for sanding, buffing, grinding. Heavy-duty clamp; has adjustable nut for leveling. Wt., 1 $\frac{1}{2}$ lbs.
50 N 379. List, \$2.95..... **NET 2.17**

M G-H 825 DRILL GRINDING AID. Holds drill in correct position. For $\frac{1}{4}$ " to $\frac{3}{8}$ " drills—Nos. 30-1—Millimeter sizes, 3-19. Shpg. wt., 2 lbs.
46 N 106. List, \$6.60..... **NET 5.17**

N AERO SA-2000 ORBITAL SANDER. Fits $\frac{1}{4}$ " and $\frac{3}{8}$ " drills. Orbits at twice the drill speed. Holds 3 $\frac{1}{2}$ x9" sand paper ($\frac{1}{2}$ std. size). 3 sheets included. 7 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ ". Shpg. wt., 2 lbs.
50 N 607. List, \$10.95..... **NET 6.40**

AERO ASA-200 SANDER. As above, but orbits at the same speed as drill.
50 N 956...... **NET 3.20**

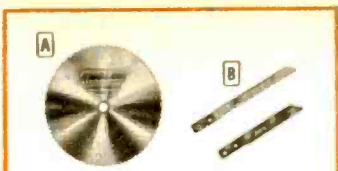
P BABCO 825 5-1 SPEED REDUCER. Fits $\frac{1}{4}$ " drills. Drives up to #14 screws. Reverses—taps up to 5 holes a minute. $\frac{1}{4}$ ", $\frac{1}{2}$ " adapters; $\frac{1}{2}$ " adapter sleeve; screwdriver bit, sleeve. 3 lbs.
50 N 005. List, \$13.95..... **NET 10.25**

R BABCO 742 RIGHT-ANGLE DRIVE. For $\frac{1}{4}$ " drills. Fits $\frac{3}{8}$ "-24 threaded spindle (male or female). 2 speeds—halves drill speed for polishing, doubles speed for sanding. Wt., $\frac{3}{4}$ lb.
50 N 375. List, \$4.49..... **NET 3.31**

S NEW ARCO 1252 ROTO-FORM. $\frac{1}{4}$ " shank fits any drill. Shapes, cuts, forms and mills—never clogs or needs sharpening. Hardened, tempered steel. Has 1 $\frac{1}{4}$ " diameter drum. $\frac{1}{2}$ lb.
50 N 957. List, \$1.98..... **NET 1.45**
1251 ROTO-FORM. Above, 1 $\frac{1}{4}$ " dia. drum.
50 N 959. List, \$1.49..... **NET .98**
1250 ROTO-FORM. Above, $\frac{3}{8}$ " dia. drum.
50 N 958. List, \$1.00..... **NET .75**

T MILLER FALLS 710 COUNTERSINKS. High-speed steel. Five ground-edge flutes cut at 82° angle. $\frac{1}{4}$ " shank; 2 $\frac{1}{2}$ " long. $\frac{1}{2}$ " diameter. Wt., 4 oz.
46 N 156...... **NET 1.29**
50 N 960. Above, with $\frac{3}{8}$ " dia. ... **NET 1.33**
50 N 961. Above, with $\frac{1}{4}$ " dia. ... **NET 1.50**

Power Drill and Saw Accessories

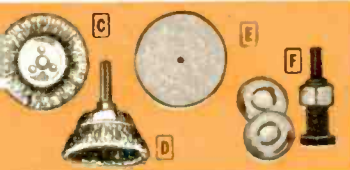


A CHICAGO SAW UNIV. CIRCULAR BLADES. Fit diamond, $\frac{1}{8}$ ", $\frac{3}{16}$ " rnd. arbors. *Chisel tooth. 1 lb.

Stock No.	Type	Dia.	Style	E.A.
50 N 563	C-612-UN	6 $\frac{1}{2}$ "	Combination*	1.51
50 N 564	C-714-UN	7 $\frac{1}{2}$ "	Combination*	1.51
50 N 964	C-814-UN	8 $\frac{1}{2}$ "	Combination*	1.80
50 N 565	L-612-UN	6 $\frac{1}{2}$ "	Cut-off	1.51
50 N 566	L-714-UN	7 $\frac{1}{2}$ "	Cut-off	1.51
50 N 963	L-814-UN	8 $\frac{1}{2}$ "	Cut-off	1.80
50 N 567	A-612-UN	6 $\frac{1}{2}$ "	Rip	1.51
50 N 568	A-714-UN	7 $\frac{1}{2}$ "	Rip	1.51
50 N 962	A-814-UN	8 $\frac{1}{2}$ "	Rip	1.80

B SKIL UNIV. JIG SAW BLADES. Replace $\frac{1}{8}$ " shank blades.

Stock No.	Use for	Blade	Lbs.	Per 5
50 N 965	Heavy metal	.....	$\frac{1}{2}$ "	4.24
50 N 966	Light metal	.....	$\frac{1}{2}$ "	4.24
50 N 445	Heavy wood	Coarse	$\frac{1}{2}$ "	3.72
50 N 446	Wood & plastic	Fine	$\frac{1}{2}$ "	3.72
50 N 447	Thin wood	Fine	$\frac{1}{2}$ "	3.72
50 N 448	Roughing cuts	Coarse	$\frac{1}{2}$ "	2.16
50 N 449	Roughing cuts	Fine	$\frac{1}{2}$ "	2.16



COASTAL WHEELS, BRUSHES

C WIRE WHEELS AND BRUSHES. For electric drills and grinders that will accept a $\frac{1}{2}$ " shaft. Type numbers ending with "C" are coarse. Those ending in "F" are fine. *Similar to Figure C, but has $\frac{1}{8}$ " shank.

Stock No.	Fig.	Type	Dia.	Mtg.	Oz.	EACH
50 N 711	•	P81F	2"	$\frac{1}{2}$ " Shank	4	.65
50 N 710	•	P81C	2"	$\frac{1}{2}$ " Shank	4	.59
50 N 708	•	P83F	3"	$\frac{1}{2}$ " Shank	6	.81
50 N 709	•	P83C	3"	$\frac{1}{2}$ " Shank	6	.74
50 N 028	D	P23C	2"	$\frac{1}{2}$ " Shank	4	.89
50 N 029	D	P2F	2"	$\frac{1}{2}$ " Shank	4	.99
50 N 200	C	P94F	4"	Bore	8	.89
50 N 201	C	P94C	4"	Bore	8	.69
50 N 202	C	P96F	6"	Bore	12	1.25
50 N 203	C	P96C	6"	Bore	12	1.03

E MUSLIN BUFF. Quality 6" muslin buffing wheel and bar of jewelers' rouge. Has $\frac{1}{2}$ " bore. Use with arbor listed below. Shpg. wt., 4 oz. **NET .81**
50 N 204.....

F 725 ARBOR. For wire and buff wheels above. Has $\frac{1}{2}$ " shank; $\frac{1}{8}$ " machined, nickel-plated body. Wt., 8 oz. **NET .32**
50 N 206.....

5" ASSORTED SANDING DISCS. Bag of six discs. Shpg. wt., 8 oz. **NET .23**
50 N 207.....



TOP BUY!
LOW COST 7-DRILL SET. 7 Black Magic hi-speed drills $\frac{1}{16}$ " to $\frac{1}{2}$ " in 32nds. Shank sizes same as diameters. In indexed clear plastic container. Shpg. wt., 6 oz. **ONLY 2.75**

CENTURY DRILL BITS FOR WOOD, PLASTIC, METAL OR MASONRY

SPECIAL-PURPOSE DRILL BITS

G 4-PIECE MASONRY DRILL SET. $\frac{1}{8}$ ", $\frac{1}{16}$ ", $\frac{3}{16}$ " and $\frac{1}{2}$ " drills. All have $\frac{1}{8}$ " shanks. Carbide tips for drilling concrete, bricks and plaster. Comes in plastic roll. Shpg. wt., 5 oz. **NET 2.95**
46 N 718. List, \$5.12.....

CHROME STEEL DRILL BIT SET. 5 chrome alloy bits for electric drills. For use on aluminum and other soft metals. Sizes, $\frac{1}{8}$ ", $\frac{1}{16}$ ", $\frac{3}{16}$ ", $\frac{1}{16}$ " and $\frac{1}{2}$ ". All have $\frac{1}{8}$ " shanks. Shpg. wt., 1 lb. **NET 3.69**
46 N 787.....

H 6-PC. HIGH-SPEED POWER BIT SET. $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{1}{2}$ " and 1". All have $\frac{1}{8}$ " shanks. In plastic pouch. Wt., 12 oz. **NET 5.35**
50 N 350. List, \$8.90.....

HI-SPEED POWER DRILLS

For wood, plastic, thin aluminum sheets, etc. Have $\frac{1}{8}$ " shanks. Wt., 3 oz.

Stock No.	Size	EACH	Stock No.	Size	EACH
50 N 351	$\frac{3}{8}$ "	.74	50 N 356	$\frac{3}{8}$ "	.93
50 N 352	$\frac{1}{2}$ "	.79	50 N 357	$\frac{1}{2}$ "	.96
50 N 353	$\frac{5}{8}$ "	.89	50 N 358	$\frac{5}{8}$ "	.96
50 N 354	$\frac{1}{2}$ "	.89	50 N 359	1"	1.00
50 N 355	$\frac{1}{16}$ "	.93			

12" BIT EXTENSION. For $\frac{1}{8}$ " shanks. Includes hex key. Shpg. wt., 7 oz. **NET 1.20**
50 N 360. List, \$2.00.....

BLACK MAGIC HI-SPEED DRILLS

J 13-DRILL SET. Includes 13 drills from $\frac{1}{16}$ " to $\frac{1}{2}$ " in $\frac{1}{32}$ " graduations. Packed in Huot Index Drill Case. Every drill is instantly accessible. Case, $4\frac{1}{2}$ "x2x $\frac{1}{2}$ ". Shpg. wt., 9 oz. **NET 5.85**
46 N 782. List, \$9.77.....

J 15-DRILL SET. $\frac{1}{16}$ " to $\frac{1}{2}$ " in $\frac{1}{32}$ nds. Sizes over $\frac{1}{8}$ " have $\frac{1}{8}$ " shanks. Case, 7x4x1 $\frac{1}{2}$ ". Wt., 3 lbs. **NET 18.95**
46 N 786. List, \$31.67.....

17-DRILL SET. $\frac{1}{16}$ " to $\frac{1}{2}$ " in $\frac{1}{64}$ ths; to $\frac{3}{8}$ " in 32nds. Sizes over $\frac{1}{8}$ " have $\frac{1}{8}$ " shanks. Huot Index Case, 6x1 $\frac{1}{2}$ "x4". 2 lbs. **NET 11.95**
50 N 967. List, \$19.70.....

60-DRILL SET. Sizes 1 to 60 in handy steel Huot Index Drill Case. Opens like a book for quick selection. Case, $4\frac{1}{2}$ "x3 $\frac{1}{2}$ "x2 $\frac{1}{2}$ ". Shpg. wt., 1 $\frac{1}{2}$ lbs. **NET 23.60**
46 N 717. List, \$39.33.....

K 10-DRILL SET. Ten drills from $\frac{1}{16}$ " to $\frac{1}{2}$ " with $\frac{1}{8}$ " diameter shanks on sizes over $\frac{1}{8}$ ". Transparent plastic container is indexed. Shpg. wt., 9 oz. **NET 7.95**
50 N 968. List, \$12.83.....

L MECHANICS' LENGTH. High-speed drills $\frac{1}{16}$ " to $\frac{1}{2}$ ". $\frac{1}{8}$ " and larger drills have $\frac{1}{8}$ " shanks. Av. wt., 3 oz.

Stock No.	Size	EACH	Stock No.	Size	EACH
49 N 656	$\frac{1}{16}$ "	.22	49 N 667	$\frac{1}{16}$ "	.61
49 N 657	$\frac{1}{16}$ "	.22	49 N 668	$\frac{1}{16}$ "	.85
49 N 658	$\frac{1}{16}$ "	.23	47 N 028	$\frac{1}{16}$ "	.89
49 N 659	$\frac{1}{16}$ "	.26	47 N 027	$\frac{1}{16}$ "	1.10
49 N 660	$\frac{1}{16}$ "	.30	47 N 028	$\frac{1}{16}$ "	1.33
49 N 661	$\frac{1}{16}$ "	.30	47 N 029	$\frac{1}{16}$ "	1.56
49 N 662	$\frac{1}{16}$ "	.35	47 N 031	$\frac{1}{16}$ "	1.83
49 N 663	$\frac{1}{16}$ "	.38	47 N 032	$\frac{1}{16}$ "	2.20
49 N 664	$\frac{1}{16}$ "	.44	47 N 033	$\frac{1}{16}$ "	2.70
49 N 665	$\frac{1}{16}$ "	.50	47 N 034	$\frac{1}{16}$ "	2.74
49 N 666	$\frac{1}{16}$ "	.56			

LONG-SHANK MASONRY DRILLS

M TYPE L-56. 18" carbide-tipped—for $\frac{1}{4}$ " hole. Wide flute. 1 $\frac{1}{2}$ lbs. **NET 3.20**
47 N 007. List, \$5.33.....
TYPE L-56. As above, for $\frac{3}{8}$ " hole. **NET 3.89**
47 N 008. List, \$6.48.....

RELIABLE SKIL SAW ACCESSORIES

N RIP FENCES, CIRCLE CUTTER. 50 N 278. 17984 Rip Fence. For 536 saw. Wt., 4 oz. List, \$1.95..... **NET 1.37**

50 N 969. 20271 Rip Fence. For 552 (Type 6-9), 553 (Type 3-6), 554 (Type 3-6). Shpg. wt., 4 oz. List, \$2.50..... **NET 1.75**

50 N 970. 25174 Rip Fence/Circle Cutter. For 524 saw. 4 oz. List, \$1.85..... **NET 1.30**

P 26099 SAW CARRYING CASE. Durable heavy gauge steel case withstands rough handling. Special brackets hold saw snugly in place—protect it from damage and unnecessary wear while not in use. Brackets also protect extra blades from dulling and bending. For $5\frac{1}{2}$ ", $6\frac{1}{2}$ ", $7\frac{1}{2}$ " and $8\frac{1}{2}$ " saws. Wt., 12 lbs. **NET 11.95**
50 NX 827. List, \$14.95.....

Kraeuter Top-Quality Pliers, Cutters and Snips



JEWELERS' PLIER SETS

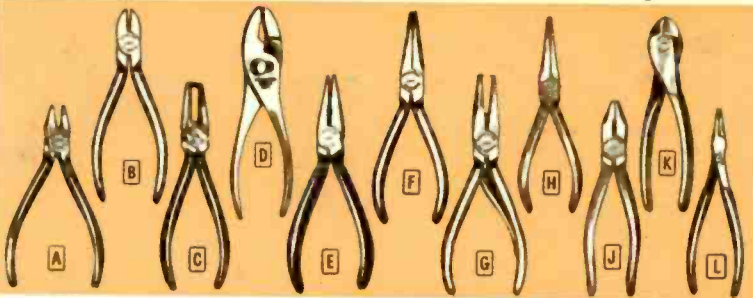
- Cushion-Grip Handles
- Machined From Tool Steel

TYPE CG90. CG81 diagonal cutters; CG82 end cutters; CG83 chain-nose pliers; CG84 flat-nose pliers; CG85 round-nose, round-jaw pliers. Case. 1 1/4 lbs.

46 N 423. 1-5, EA. 14.34 6-Up, EA. 13.00

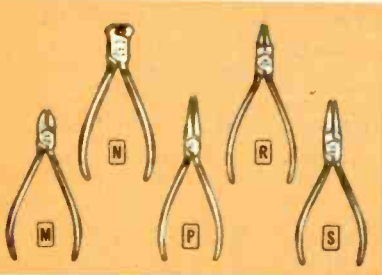
TYPE CG89. One each: CG84 flat-nose pliers; CG81 diagonal cutting pliers; CG83 chain-nose pliers. Zip case. 1 lb.

46 N 435. 1-5, EA. 9.19 6-Up, EA. 8.34



Forged steel; polished heads. "CG" prefix—vinyl cushion-grip handles. Av. wt., 1 lb.

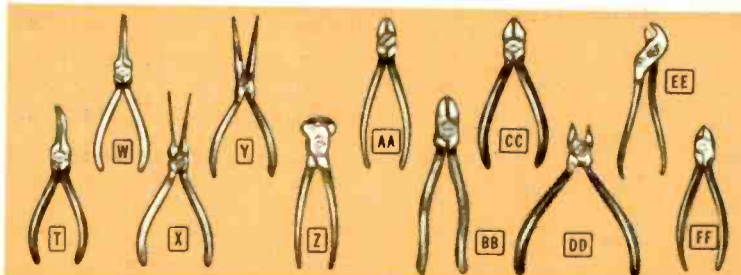
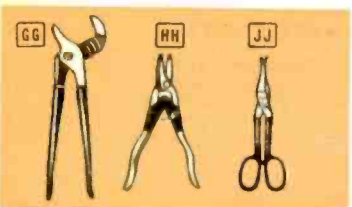
Stock No.	Fig.	Type	Description	1-5, EA.	6-Up, EA.
50 N 110	A	CG4625	5" Needle-Point Diagonal Cutters with Spring	3.45	3.13
50 N 433	B	CG4501	4 1/2" Narrow Head Diagonal "Oblique" Cutters	2.17	1.96
46 N 402	B	CG4501	5" Narrow Head Diagonal "Oblique" Cutters	2.35	2.14
46 N 403	B	CG4501	6" Narrow Head Diagonal "Oblique" Cutters	2.72	2.47
46 N 414	B	CG2612	6 1/2" Wire-Stripping Diag. Cutters (with spring)	3.39	3.08
50 N 113	B	CG5827	5 1/2" Resistor Terminal End Cutting Pliers	3.63	3.30
49 N 023	D	056	6" "Hi-Brite" Combination Pliers	.62	.57
49 N 024	D	056	8" "Hi-Brite" Combination Pliers	.82	.75
49 N 025	D	156	10" Pliers as Above, but Heavy Chrome Plated	1.44	1.31
50 N 330	D	CG1641	5" Short-Chain Needle-Nose Pliers (with cutter)	2.46	2.24
46 N 401	E	CG1661	6" Long-Chain Needle-Nose Pliers (with cutter)	2.68	2.44
46 N 404	E	CG1671	6" Long-Chain Needle-Nose Pliers (no cutter)	2.09	1.90
50 N 331	F	CG1781	7" Long-Chain Needle-Nose Pliers (with cutter)	3.23	2.93
49 N 011	F	CG1771	7" Long-Chain Needle-Nose Pliers (no cutter)	2.39	2.17
46 N 052	F	CGG141	6" Radio and Ignition Nose Cutting Pliers	4.42	4.00
50 N 112	G	CG1650	6" Long-Jaw End-Cutting Pliers (with spring)	3.56	3.23
46 N 413	G	CG1741	6" Long Flat-Nose Pliers (no cutter)	2.38	2.05
50 N 332	J	CG1801	6" Linemen's Side Cutting Pliers	3.12	2.84
46 N 408	J	CG1801	8 1/2" Linemen's Side Cutting Pliers	3.79	3.43
46 N 400	J	CG1830	6 1/2" Electrician's Side Cutting Pliers	2.43	2.20
49 N 017	J	CG1830	6" Electrician's Side Cutting Pliers	3.06	2.77
46 N 410	K	CG4610	7" Heavy-Duty Diagonal Cutters	2.62	2.38
50 N 111	L	CG71	8" Long-Reach Short-Jaw Nose Cutting Pliers	3.66	3.32
49 N 012	L	CG61	8" Long-Reach Short-Jaw Nose Pliers (no cutter)	2.87	2.60



4 1/2" JEWELERS' PLIERS

Fine precision pliers with resilient vinyl cushion grips—will not crack or peel. Smooth polished, high-quality tool steel. Type CG81 is for close cutting of small, soft wires. CG82 is for end cutting as in printed circuit assemblies. CG83, 84 and 85 have smooth jaws. Av. wt., 5 oz.

Stock No.	Fig.	Type	Description	1-5, EA.	6-Up, EA.
46 N 418	M	CG81	Diag. Cutting	2.50	2.27
50 N 333	N	CG82	End Cutting	2.91	2.64
46 N 415	P	CG83	Chain-Nose	2.35	2.13
46 N 416	S	CG84	Flat-Nose	2.35	2.13
46 N 417	R	CG85	Round-Nose	2.35	2.13



Forged steel; vinyl cushion-grip handles and full polished heads. Av. shpg. wt., 1 lb.

Stock No.	Fig.	Type	Description	1-5, EA.	6-Up, EA.
49 N 009	T	CG1631	5 1/2" Curved-Needle or Snipe-Nose Pliers (no cutter)	2.87	2.60
49 N 010	W	CG1821	6" Long-Needle or Snipe-Nose Pliers (no cutter)	2.50	2.27
49 N 013	X	CG140	6" Long-Nose Electronic Pliers—1/8" Tip (with spring)	3.12	2.83
49 N 014	Y	CG160	7" Extra Fine Long-Nose Electronic Pliers (with spring)	2.61	2.37
49 N 015	Z	CG3850	6" End Cutting Nippers	2.91	2.64
49 N 016	Z	CG3850	8" End Cutting Nippers	3.75	3.40
49 N 018	AA	CG4206	6" Hard Wire Diagonal Cutting Pliers	3.53	3.20
49 N 019	BB	CG4502	7" Diagonal Cutting Pliers—Full Fashioned Handles	3.15	2.86
49 N 020	CC	CG5601	5" Diagonal Cutting Needle-Point Pliers	3.12	2.83
49 N 021	DD	CG6101	4 1/2" Soft Wire Needle-Point Diagonal Cutting Electronic Pliers		
49 N 022	EE	CG643	5" Blue Temper Finish Ignition Pliers	3.68	3.33
49 N 036	FF	CG3601	6" Short-Nose Diagonal Cutting Pliers	1.65	1.50
				3.06	2.76

GG CG710 SLIP-JOINT PLIERS. 5-pcs. 3/16"—1 1/2". Cushion grips. 10" long. 10 oz.

46 N 421 1-5, EACH 2.57 6-Up, EACH 2.33

49 N 026. CG707. Above in 6 1/2" length. Wt., 7 oz. 1-5, EACH 2.79 6-Up, EACH 2.53

HH COMPOUND LEVERAGE CGS3 AVIATION SNIPS. Cuts 18-gauge metal. Serrated, drop forged blades. Cushion-grips. Straight 1 1/2" cut. Length, 10". 1 lb.

50 N 334 1-5, EACH 3.23 6-Up, EACH 2.94

49 N 027. CGL1. For left cut. 1-5, EACH 3.23 6-Up, EACH 2.94

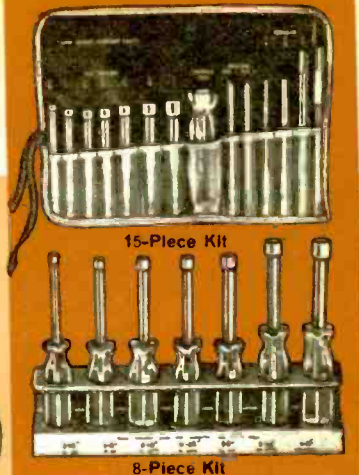
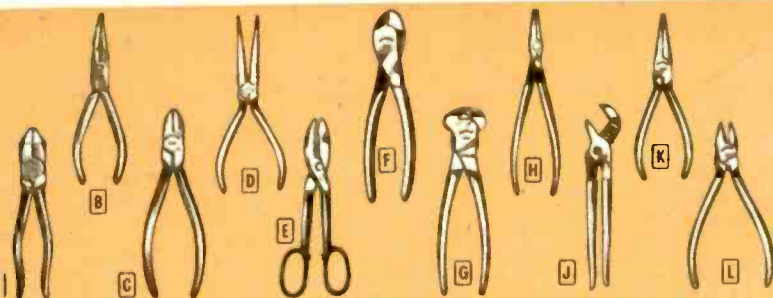
49 N 028. CGR2. For right cut. 1-5, EACH 3.23 6-Up, EACH 2.94

JJ K-13 PATTERN SNIPS. Curved/straight 2" cut. Steel; 7" long. 7 oz.

46 N 422 1-5, EACH 1.75 6-Up, EACH 1.59

Knight Precision Hand Tools

Knight hand tools—Allied's answer to your demand for quality tools at lowest cost. All are made by a leading domestic manufacturer to meet Allied's rigid standards. Industrial plants, shops and schools are invited to take advantage of quantity prices.



QUALITY HAND TOOLS—INDIVIDUALLY TESTED FOR PERFORMANCE

- One Year Guarantee
- Durable High-Grade Tool Steel
- Made by a Leading Manufacturer

Popular pliers, snips and nippers listed at right are used in service shops, labs and production lines. Rigid quality control assures reliability. Drop forged from high-grade tool steel and carefully heat treated for optimum temper. Resist abrasion and wear—built for years of service. Precision machined, fitted and adjusted for smooth action and maximum ease of handling. All have easy-on-the-hand plastic cushion grips except tin snips. Av. wt., 10 oz.

Stock No.	Fig.	Description	NET EACH	
			1-5	6-Up
50 N 131	A	6½" Side Cutting Pliers	1.89	1.68
50 N 132	B	6" Chain-Nose With Cutters	2.10	1.86
50 N 210	B	6" Chain-Nose Pliers	1.72	1.52
50 N 133	C	5" Diagonal Cutting Pliers	1.84	1.63
50 N 134	C	6" Diagonal Cutting Pliers	2.12	1.88
49 N 029	F	7" Diagonal Cutting Pliers	2.05	1.83
50 N 135	D	7" Chain-Nose With Cutters	2.50	2.23
49 N 038	E	8" Straight Cut Tin Snips	1.53	1.36
49 N 030	G	7" End Cutting Nippers	2.54	2.27
49 N 031	H	8" Assembly Pliers	2.84	2.53
49 N 032	J	10" Tongue and Groove Joint Pliers (5 Adjustments)	1.99	1.78
49 N 033	J	14" Tongue and Groove Joint Pliers (5 Adjustments)	2.43	2.17
49 N 034	K	6" Cutting/Stripping Pliers	2.78	2.48
49 N 035	L	5" Needle-Point Diagonal Cutter	2.68	2.40

15-PC. NUT-SCREWDRIIVER KIT

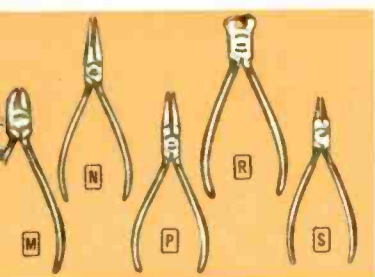
Roll pack holds: molded plastic handle; 6" extension; 7 nutdrivers— $\frac{1}{16}$ ", $\frac{1}{8}$ ", $\frac{1}{16}$ ", $\frac{1}{32}$ ", $\frac{3}{16}$ ", $\frac{1}{4}$ ", and $\frac{1}{2}$ "; No. 1 and No. 2 Phillips, and $\frac{1}{8}$ ", $\frac{1}{16}$ ", $\frac{1}{4}$ " slotted screwdrivers. Precision ground blades for accurate fit. Wt., 1½ lbs.

50 N 788 ONLY 7.95

8-PIECE NUTDRIVER KIT

7 nutdrivers: $\frac{1}{16}$ ", $\frac{1}{8}$ ", $\frac{1}{16}$ ", $\frac{1}{32}$ ", $\frac{3}{16}$ ", $\frac{1}{4}$ ", and $\frac{1}{2}$ " in rack. Molded, color-coded plastic handles. Nickel-chrome plated drivers. Steel shafts are $\frac{3}{16}$ ", except $\frac{6}{16}$ " on $\frac{1}{4}$ " and $\frac{1}{2}$ " drivers. 1½ lbs.

50 N 787 ONLY 5.75



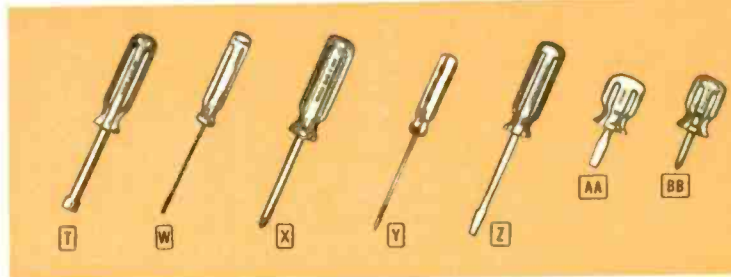
JEWELERS' PLIERS

- One Year Guarantee
- Comfortable Plastic Cushion Grips
- Selected Tool Steel for Strength

Precision pliers made by a leading manufacturer for work on miniatuized assemblies and delicate mechanisms. Feature plastic cushion grips for fatigue-free use.

Drop forged from high-quality tool steel—heat treated for durability. Accurately machined for smooth action. *Chain, flat and round-nose pliers have smooth jaws with no cutters. Chain and flat-nose have $1\frac{1}{32}$ " inside length; round-nose has $\frac{3}{16}$ ". Chain and round-nose taper to $\frac{1}{32}$ " point; flat-nose to $\frac{1}{32}$ ". Av. wt., 5 oz.

Stock No.	Fig.	Description	NET EACH	
			1-5	6-Up
45 N 370	M	4½" Diagonal Cutting	2.05	1.82
45 N 371	N	4½" Chain-Nose*	1.92	1.72
45 N 373	R	4½" End-Cutting	2.35	2.12
45 N 372	P	4½" Flat-Nose*	1.92	1.72
49 N 037	S	4½" Round-Nose, Round-Jaw*	1.94	1.73



T NUTDRIVERS. Chrome vanad. steel. Color-coded handles; hardened skts.

Stock No.	Nut Size	Length	Wt.	1-5	EA	6-Up	EA
45 N 384	$\frac{1}{16}$ "	6½"	2 oz.	.68	.60	.68	.60
45 N 385	$\frac{1}{8}$ "	6½"	2 oz.	.68	.60	.68	.60
45 N 386	$\frac{3}{16}$ "	6½"	2 oz.	.68	.60	.68	.60
45 N 387	$\frac{1}{2}$ "	6½"	2 oz.	.68	.60	.68	.60
45 N 388	$\frac{1}{16}$ "	6½"	2 oz.	.68	.60	.68	.60
45 N 389	$\frac{1}{8}$ "	6½"	4 oz.	.83	.74	.83	.74
45 N 390	$\frac{1}{4}$ "	6½"	4 oz.	.83	.74	.83	.74

SCREWDRIVERS. Chrome vanadium steel. Amber colored handles. *No. 1 Phillips. †No. 2 Phillips. ‡With pocket clip.

Stock No.	Fig.	Shaft	Lgh.	Wt.	1-5	EA	6-Up	EA
45 N 374	W	$\frac{1}{8}$ "x4"	6½"	2 oz.	.33	.29	.33	.29
45 N 375	W	$\frac{1}{8}$ "x6"	8½"	2 oz.	.36	.31	.36	.31
45 N 376	W	$\frac{1}{8}$ "x8"	10½"	2 oz.	.44	.39	.44	.39
45 N 377	W	$\frac{1}{4}$ "x4"	7½"	4 oz.	.63	.55	.63	.55
45 N 378	W	$\frac{1}{4}$ "x6"	9½"	4 oz.	.68	.60	.68	.60
45 N 379	W	$\frac{1}{8}$ "x8"	11½"	7 oz.	.71	.63	.71	.63
49 N 039	W	$\frac{3}{16}$ "x4"	7½"	2 oz.	.51	.45	.51	.45
49 N 040	W	$\frac{3}{16}$ "x6"	9"	2 oz.	.58	.52	.58	.52
49 N 041	W	$\frac{3}{16}$ "x8"	11½"	2 oz.	.63	.56	.63	.56
49 N 042	W	$\frac{3}{16}$ "x10"	12"	4 oz.	.89	.79	.89	.79
45 N 380	Y	$\frac{3}{16}$ "x3"	5½"	2 oz.	.26	.24	.26	.24
45 N 381	Y	$\frac{1}{2}$ "x3"	5½"	2 oz.	.22	.20	.22	.20
45 N 382	X	$\frac{3}{16}$ "x3"	6½"	2 oz.	.60	.53	.60	.53
45 N 383	X	$\frac{1}{4}$ "x4"	7½"	6 oz.	.71	.63	.71	.63

SQUARE BLADE SCREWDRIVERS

Z Extra blade strength for heavy-duty use. Chrome vanadium steel shaft contains about 25% more steel than conventional round bladed screwdrivers.

Stock No.	Shaft	Length	Wt.	1-5	EA	6-Up	EA
49 N 043	$\frac{1}{4}$ "x1"	7½"	3 oz.	.83	.74	.83	.74
49 N 044	$\frac{3}{16}$ "x8"	10½"	4½ oz.	1.14	1.01	1.14	1.01
49 N 045	$\frac{3}{16}$ "x10"	12½"	7 oz.	1.17	1.04	1.17	1.04
49 N 046	$\frac{1}{2}$ "x10"	14½"	8 oz.	1.26	1.12	1.26	1.12
49 N 047	$\frac{3}{8}$ "x12"	16½"	12 oz.	1.62	1.44	1.62	1.44

REGULAR STUBBY

AA Rugged Amber colored handle. Chrome vanadium steel $\frac{1}{8}$ "x1 $\frac{1}{2}$ " shaft. Length is only 3". Shpg. wt., 2 oz.

49 N 048 . . . 1-5, EA. .51 6-Up, EA. .45

PHILLIPS STUBBY

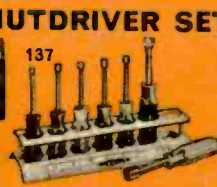
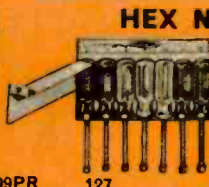
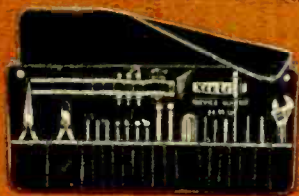
BB For close quarters. Chrome vanadium steel blades. Amber handles. No. 1 has $\frac{1}{16}$ "x1 $\frac{1}{2}$ " shaft; 3" length. No. 2 has $\frac{1}{16}$ "x1 $\frac{1}{2}$ " shaft; 3½" length. Wt., 2 oz.

49 N 049. No. 1-1-5, EA. .58 6-Up, EA. .52

49 N 051. No. 2-1-5, EA. .60 6-Up, EA. .53

Depend on Allied for Hand Tools at Lowest Prices

Famous XceLite Quality Screwdrivers and Nutdrivers



99SM SERVICE MASTER KIT

Meets almost every radio-TV servicing need. Set contains: long-nose pliers; diagonal pliers; 6" adjustable wrench; nine regular nutdrivers in sizes from 3/16" through 1/2"; 1/8" stubby nutdriver; 3/16" stubby nutdriver; 3/8" stubby nutdriver; 3/16" slotted screwdriver; 1/2" slotted screwdriver; No. 1 Phillips screwdriver; 1/4"-3/8" reamer; 1/4"-1/2" reamer; 8" extension; regular handle and stubby handle. Roll-up kit with pockets. 2 1/2 lbs.

43 N 884. List, \$38.15. **NET 22.89**

49 N 006. 99-30 Allen Hex Screwdriver Blade Set. Not illus. 4" shafts fit handles of 99SM and 99PR sets. Sizes, 1/16", 3/32", 1/8", 5/32", 3/16". 6 oz. **NET 3.24**

99PR NUT & SCREWDRIVER SET

Versatile, chrome-plated 13-piece set in durable, plastic roll-up kit. Includes 3/16", 3/32", 1/8", 5/32", 3/16", 1/2", 3/8", 7/16" and 1/2" nut drivers; 2 combination screwdrivers (3/16" and 3/32" standard, No. 1 and No. 2 Phillips); plastic handle. Wt., 2 lbs.

45 N 738. List, \$14.45. **NET 8.67**

45 N 787. Model 99X10 8" Extension. For 99 series. 5 oz. List, \$1.45. **NET 87c**

127 NUTDRIVER SET

Sockets are deep enough to handle two nuts. Depth of shaft hole, 1 1/4". Includes 7 wrenches, sizes 3/16" to 3/8" in 1/16" steps. Blades are nickel plated. Metal holder. 7 1/2"x7 1/4"x1 1/4". Shpg. wt., 2 1/4 lbs.

45 N 735. List, \$10.75. **NET 6.45**

137 NUTDRIVER SET

7 color-coded nutdrivers with self-supporting rack. Colors and sizes: black—3/16", red—1/8", yellow—3/32", green—1/16", blue—3/32", red—1/8", and brown—3/16". Polished steel shanks. The 1/8" and 3/16" drivers have hollow shafts. Shpg. wt., 3 lbs.

45 N 734. List, \$11.95. **NET 7.17**

17 NUTDRIVER SET

Seven nutdrivers in commonly used sizes for radio-TV work. Sizes and colors: black—3/16", brown—7/32", red—1/8", orange—3/16", amber—3/16", green—1/16" and blue—3/16". With metal rack. Wt., 2 1/2 lbs.

45 N 733. List, \$10.50. **NET 6.30**

MODEL 147 NUTDRIVER SET. As above, but with hollow shafts. Wt., 2 lbs.

47 N 092. List, \$13.30. **NET 7.98**



High-quality screwdrivers. Chrome vanadium steel shafts, plastic handles.



A ROUND SHAFT SCREWDRIVERS. Winged design prevents turning of blade in handle. In lengths from 4 1/2" to 12".

Stock No.	Mfr's Type	Shaft Size		Overall Length	Shpg. Wt.	List	NET EACH
		Dia.	Length				
43 N 845	R-182	1/4"	2"	4 1/2"	3 oz.	\$.55	.33
43 N 846	R-184	1/4"	4"	6 1/2"	3 oz.	.65	.39
43 N 847	R-186	1/4"	6"	8 1/2"	4 oz.	.70	.42
43 N 848	R-188	1/4"	8"	10 1/2"	4 oz.	.90	.54
45 N 795	R-144	1/4"	4"	8"	6 oz.	1.30	.78
45 N 796	R-146	1/4"	6"	10"	6 oz.	1.40	.84
45 N 797	R-148	1/4"	8"	12"	7 oz.	1.50	.90

B SET-SCREW TYPE SCREWDRIVERS. Narrow-blade screwdrivers fit standard set-screws. Have pocket clips.

43 N 830	R-3323SS	3/8"	3"	5"	2 oz.	\$.45	.27
43 N 831	R-184SS	1/2"	4"	6"	2 oz.	.66	.39

C SQUARE-SHAFT SCREWDRIVERS. Available in a variety of lengths from 7 1/2" to 18".

Stock No.	Mfr's Type	Shaft Size		Overall Length	Shpg. Wt.	List	NET EACH
		Dia.	Length				
43 N 829	S-3164	3/8"	4"	7 1/2"	4 oz.	\$1.15	.69
43 N 832	S-144	1/4"	4"	8"	6 oz.	1.45	.87
43 N 833	S-146	1/4"	6"	10"	6 oz.	1.55	.93
43 N 834	S-148	1/4"	8"	12"	7 oz.	1.70	1.02
43 N 837	S-388	3/8"	8"	12 1/2"	1 lb.	2.30	1.38
43 N 838	S-3812	3/8"	12"	18"	1 1/4 lb.	3.30	1.98

D PHILLIPS SCREWDRIVERS. *Stubby type. †With pocket clip.

Stock No.	Mfr's Type	Shaft		Overall Length	Shpg. Wt.	List	NET EACH
		Tip	Length				
		No.	Size				
45 N 345	P-12S†	No. 0	2"	4"	3 oz.	\$.65	.39
43 N 876	X-101	No. 1	3"	6 1/4"	5 oz.	1.15	.69
43 N 877	X-108	No. 1	6"	10"	5 oz.	1.25	.75
43 N 878	X-102	No. 2	4"	7 1/4"	6 oz.	1.45	.87
43 N 879	X-1020	No. 2	10"	13 3/4"	8 oz.	1.95	1.17
43 N 881	X-103	No. 3	6"	10"	10 oz.	1.95	1.17
43 N 882	SX-101	No. 1	1 1/4"	2 1/4"	3 oz.	1.05	.63
43 N 883	SX-102	No. 2	1 1/4"	3 1/4"	5 oz.	1.15	.69

E CLUTCH HEAD SCREWDRIVERS. Fit clutch head screws used in sheet metal assemblies, electronic gear, etc.

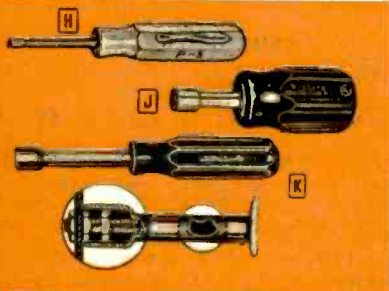
50 N 144	G-183	1/4"	4"	6 1/2"	3 oz.	1.20	.72
50 N 145	G-324	3/8"	4"	7 1/2"	4 oz.	1.35	.81
50 N 146	G-3164	3/8"	4"	7 1/2"	4 oz.	1.35	.81

F STUBBY SCREWDRIVER. 1/4" square shaft, polished blade. Ideal for work in cramped space.

43 N 844. S-141 | Reg. 1 1/4" | 3 3/4" | 5 oz. | \$.85 | .51

G COMBINATION-BLADE SCREWDRIVERS. With handle.

Stock No.	Mfr's Type	Blade Combination		Size	Shpg. Wt.	List	NET EACH
		Combination	Size				
45 N 746	CR1	3/4"	Regular #1 Phillips	7"	4 oz.	\$2.30	1.38
45 N 747	CR2	1/2"	Regular #2 Phillips	7"	5 oz.	2.30	
45 N 748	CR3	3/8"	Regular #3 Phillips	7"	10 oz.	2.30	



HEX NUTDRIVERS FOR FASTER SERVICING

Fig. K has hollow shaft for tightening nuts on long screws. Fig. J is stubby type for limited space. Fig. H is pocket-style nut-

driver. Type HS-18 fits HS-18 volume control nuts. Shpg. wt., 6 oz., except Models S-8, S-10, S-12, which are 5 oz.

Stock No.	Mfr's Type	Fig.	Nut Size	Handle	Length	NET EACH
45 N 324	P-3	H	3/32"	Amber	3 3/4"	.48
45 N 325	P-4	H	1/8"	Red	3 3/4"	.48
45 N 326	P-5	H	3/32"	Amber	3 3/4"	.48
50 N 141	P-8	H	1/8"	Red	3 3/4"	.48
50 N 142	P-10	H	3/16"	Amber	3 3/4"	.48
50 N 143	P-12	H	1/4"	Blue	3 3/4"	.48
45 N 857	S-8	J	1/4"	Red	3 3/4"	.63
45 N 858	S-10	J	3/8"	Amber	3 3/4"	.63
45 N 859	S-12	J	1/2"	Blue	3 3/4"	.63
49 N 007	HS-6	K	3/16"	Black	6"	.93

Stock No.	Mfr's Type	Fig.	Nut Size	Handle	Length	NET EACH
49 N 008	HS-7	K	7/32"	Brown	6"	.93
45 N 779	HS-8	K	1/8"	Red	6"	.93
47 N 093	HS-9	K	3/32"	Orange	6 1/4"	.89
45 N 780	HS-10	K	5/32"	Amber	6"	.93
45 N 781	HS-11	K	1/16"	Green	6"	.93
45 N 782	HS-12	K	3/16"	Blue	6"	.93
45 N 783	HS-14	K	3/8"	Brown	7"	1.05
45 N 784	HS-16	K	1/2"	Red	7"	1.08
45 N 785	HS-18	K	3/4"	Orange	7"	1.14
45 N 786	HS-20	K	7/8"	Amber	7"	1.26

Assorted Hardware for Servicemen and Builders



G-C ASSORTED RADIO AND TV HARDWARE

An excellent selection of high-quality hardware for radio-TV construction and repair. Available in 35c quantities packed in handy, reusable, hinged plastic boxes or in lots of 100 and

1000. Nuts, screws and washers are nickel-plated. *G-C part number applies to 100 and 1000 lot packages only. Stock up now at lowest prices.

A ROUND HEAD SCREWS. For electronic repair and construction jobs. Plated steel. Shpg. wts.: 3 oz.; 14 oz.; and 5 lbs.

Size	35c container		Part No.*	100-Lot Pkg.		1000-Lot Pkg.	
	No.	Quan.		No.	NET	No.	NET
4-36x 1/4"	44 N 502	40	6005	42 N 700	.47	44 N 742	3.79
4-36x 1/2"	44 N 503	35	6006	42 N 701	.51	44 N 745	4.10
4-36x 3/4"	44 N 504	35	6007	42 N 702	.60	44 N 748	4.76
6-32x 1/4"	44 N 505	40	6008	42 N 703	.52	44 N 704	4.16
6-32x 1/2"	44 N 506	30	6009	42 N 704	.61	44 N 712	4.83
6-32x 3/4"	44 N 507	30	6010	42 N 705	.71	44 N 717	5.69
6-32x 1"	44 N 508	30	6011	42 N 706	.82	44 N 722	6.53
6-32x 1 1/4"	44 N 509	30	7141	42 N 707	.98	44 N 727	7.83
8-32x 1/4"	44 N 510	30	6013	42 N 708	.69	44 N 739	5.43
8-32x 1/2"	44 N 518	25	6014	42 N 709	.73	44 N 754	5.86
8-32x 3/4"	44 N 519	25	6015	42 N 710	.79	44 N 757	6.35
8-32x 1"	44 N 529	25	6016	42 N 711	.91	44 N 757	7.27
8-32x 1 1/4"	44 N 535	25	6017	42 N 712	1.03	44 N 769	8.32
8-32x 1 1/2"	44 N 548	20	6020	42 N 713	.93	44 N 778	7.48
10-32x 1/2"	44 N 549	20	6021	42 N 714	1.10	44 N 781	8.75
10-32x 1"	44 N 553	17	6022	42 N 715	1.22	44 N 784	9.84

B SELF-TAPPING SCREWS. Flat-slotted type. Ideal for panel and rack mounting. Plated steel. Hex head. Shpg. wts.: 4 oz.; 12 oz., and 4 1/2 lbs.

4x 1/2"	44 N 564	35	6090	42 N 716	.73	44 N 804	5.88
6x 1/2"	44 N 565	30	6091	42 N 717	.83	44 N 809	6.70
8x 1/2"	44 N 566	25	6093	42 N 718	.90	44 N 814	7.17
10x 1/2"	44 N 567	20	6096	42 N 719	1.06	44 N 824	8.47
10x 3/4"	44 N 569	15	6099	42 N 720	1.24	44 N 834	13.67

C HEX NUTS. Plated steel. Shpg. wts.: 4 oz.; 8 oz.; 3 lbs.

4-36x 1/4"	44 N 584	30	6041	42 N 728	.65	44 N 907	5.18
6-32x 1/4"	44 N 579	30	7230	42 N 729	.72	44 N 911	5.70
8-32x 1/4"	44 N 580	30	6042	42 N 730	.72	44 N 916	5.73
10-32x 1/4"	44 N 585	20	6044	42 N 731	.95	44 N 919	7.53
6-32x 1/2"	44 N 586	30	6042	42 N 732	.67	44 N 953	5.41
8-32x 1/2"	44 N 587	30	6043	42 N 733	.72	44 N 954	5.73

D BINDING HEAD MACHINE SCREWS. Plated. 4 oz.; 7 oz.; 2 1/2 lbs.

6-32x 1/4"	44 N 576	35	7152	42 N 723	.52	44 N 694	4.15
6-32x 1/2"	44 N 577	35	7153	42 N 724	.55	44 N 696	4.41
6-32x 3/4"	.....	.....	7118	42 N 725	.63	44 N 622	5.01
8-32x 1/4"	.....	.....	7119	42 N 726	.71	44 N 624	5.64
8-32x 1/2"	.....	.....	7120	42 N 727	.77	44 N 625	6.13

E INTERNAL STAR LOCKWASHERS. Wts: 2 oz.; 4 oz.; 1 1/2 lbs.

Size	35c container		Part No.*	100-Lot Pkg.		1000-Lot Pkg.	
	No.	Quan.		No.	NET	No.	NET
4 screw	44 N 187	50	7324	42 N 798	.45	44 N 188	3.56
6 screw	44 N 597	50	7326	42 N 736	.45	44 N 924	3.56
8 screw	44 N 598	50	7328	42 N 737	.49	44 N 929	3.90
10 screw	44 N 599	45	7330	42 N 738	.49	44 N 934	3.90

F SPLIT LOCK WASHERS. Tempered steel. Wts.: 2 oz.; 4 oz.; 2 lbs.

4 screw	44 N 197	60	6503	42 N 797	.56	44 N 199	4.41
6 screw	44 N 588	65	6504	42 N 734	.47	44 N 663	3.82
8 screw	44 N 589	55	6505	42 N 735	.46	44 N 666	3.62
10 screw	44 N 591	60	6506	42 N 796	.52	44 N 198	4.23

G EXTRUDED FIBER WASHERS. Choice of 4 sizes. Overall thickness 1/8". Shpg. wts.: 3 oz.; 14 oz.; and 5 lbs.

No. 6	42 N 771	35	6525	42 N 739	.84	42 N 772	6.76
No. 8	42 N 773	35	6526	42 N 740	.84	42 N 774	6.76
No. 10	42 N 775	35	6527	42 N 741	.92	42 N 776	7.39
1/4"	42 N 777	35	6528	42 N 742	.92	42 N 778	7.39

SOLDER LUGS. Sturdy, tinned units. Accommodate the screw numbers given below. No. 8 holes also take No. 6 screws. *Part no. for 100, and 1000 lot pkgs. only. Shpg. wts.: 2 oz.; 4 oz.; 1 lb.

8 Fig. H	44 N 603	25	7442	42 N 746	1.12	44 N 637	8.93
8 Fig. J	44 N 604	25	7445	42 N 747	1.17	44 N 640	9.37
10 Fig. K	44 N 605	25	1021A	42 N 748	1.11	44 N 643	8.94
8 Fig. L	44 N 607	25	7455	42 N 749	1.81	44 N 646	14.55
8 Fig. M	44 N 608	30	7451	42 N 750	.85	44 N 649	6.85

N RUBBER GROMMETS. Soft, black stock. Sizes shown are mtg. hole required and inner dia., respectively. Shpg. wts.: 2 oz.; 8 oz.; 4 lbs.

1/4" x 1/4"	44 N 618	16	1041	42 N 751	1.10	44 N 437	8.75
3/8" x 3/8"	44 N 619	14	1041	42 N 752	1.23	44 N 440	9.88
1/2" x 1/2"	44 N 620	12	1042	42 N 753	1.66	44 N 443	13.23
5/8" x 5/8"	44 N 627	10	1043	42 N 754	1.86	44 N 446	14.85
3/4" x 3/4"	44 N 628	8	1043-1	42 N 755	2.81	44 N 449	25.87
7/8" x 7/8"	44 N 628	10	8711	42 N 756	3.46	44 N 478	27.69
1" x 1"	44 N 628	7	7509	42 N 757	3.63	44 N 484	45.02

P RUBBER FEET. Take screws, nails, etc. For wood or metal cabinets. Shpg. wts.: 3 oz.; 9 oz.; 4 1/2 lbs.

3/4" O.D.	44 N 763	8	1075B	42 N 764	.89	44 N 155	7.15
1" O.D.	44 N 764	8	1075F	42 N 765	2.18	44 N 158	17.35

G-C HANDY PLASTIC BOXES OF MOST-OFTEN NEEDED SERVICING HARDWARE

A wide selection of most-often-needed hardware in clear-plastic boxes. High-quality materials. All are assortments. *Approx. wt. 4 oz.

Stock No.	Description	Quant.*	Stock No.	Description	Quant.*	Stock No.	Description	Quant.*
43 N 650	Extra small size escutcheon and wood screws.	25	43 N 659	Asstd. internal lock washers.	50	43 N 670	Insulated spacers for #6 & 8 screws.	12
43 N 651	Assorted wood screws with round heads.	25	43 N 660	Asstd. hex nuts.	30	43 N 671	Assorted hairpin cotter.	50
43 N 652	1/4"-1" mach. screws; round and flat heads; #6, 8, 10.	35	43 N 661	Hex ferr. mounting nuts.	12	43 N 672	Cable clamps. 1/2 to 3/4".	20
43 N 301	Nos. 2 & 4 screws & nuts.	35	43 N 380	Asstd. extruded fibre washers.	30	43 N 674	Small compression springs.	20
43 N 653	Sheet metal screws. No. 4x 1/2".	35	43 N 662	Assorted flat fiber washers. Nos. 4 to 1/2".	35	43 N 337	Regular dial drive springs.	10
43 N 654	Nickel-plated rack screws and cup washers.	15	43 N 663	Assorted metal washers. Nos. 4 to 3/4".	80	43 N 338	Small dial drive springs.	10
43 N 655	Sheet metal screws, asst.—4.6, 8, 10. Hex. & slotted.	25	43 N 664	Rings & C-washers for 3/8"-1/2" shafts.	25	43 N 675	Radio knob springs.	18
43 N 657	Spade bolts; #6, #8 holes.	25	43 N 665	Snap-hole plugs—1/4"-1 1/2".	44	43 N 677	Cord strain relief for POSJ type wire.	5
43 N 680	Assorted set screws—6-32, 8-32, 10-32.	15	43 N 666	Asstd. vent. hole plugs.	55	43 N 315	Rubber chassis mounts.	12
43 N 658	Tinnerman speed nuts.	30	43 N 667	Assorted rivets.	30	43 N 678	Rubber grommets. For cables, metals to W.	15
NET PER BOX	.....	35c	43 N 668	Solder lugs—#6-10.	50	43 N 679	Standard thin dial cord.	10 ft.
			43 N 669	Metal spacers. For #6 and #8 screws.	12	43 N 336	Standard dial cord.	10 ft.
			NET PER BOX	.....	35c	43 N 306	Assorted radio knob set screws.	15

HOME SHOP ASSORTMENTS

- 49 N 986. Asstd. Solder Lugs. 1 1/2 lbs.NET .79
- 49 N 987. Assorted Screws, Nuts and Bolts. Various sizes. 1 1/2 lbs.NET .79
- 49 N 988. Assorted Springs. 1 1/2 lbs.NET .79

39 A 403. Machine Screw Assortment. 2-pound box. Includes most popular sizes. 2 1/2 lbs.NET .59

44 N 315. Hardware Assortment. Large assortment of rivets, rubber grommets, nuts, screws, washers, eyelets, etc. Plastic container. 1 1/2 lbs.NET .77

G-C PLUG BUTTONS



For filling unused holes in metal, wood, fiber, etc. Also provide ventilation wherever required. Spring tension prongs hold nickel-plated, solid top steel plug buttons firmly in position. *Screen type ventilated top, zinc-plated steel button. Av. wts., 2 oz.

Stock No.	For Hole Dia.	NET EACH		Stock No.	For Hole Dia.	NET EACH	
		1-49	60-99			1-49	60-99
51 N 356	1/8"	.02	.012	51 N 361	3/8"	.03	.015
51 N 357	1/4"	.02	.012	51 N 362	1/2"	.03	.018
51 N 358	3/8"	.02	.012	51 N 363	5/8"	.06	.03
51 N 359	1/2"	.02	.012	51 N 364	3/4"	.12	.06
51 N 360	5/8"	.02	.012				

Selected High-Quality Hand Tools



X-ACTO NO. 1 KNIFE. For light to medium work. 5" aluminum handle; 3/8" dia. With No. 11 blade. Shpg. wt., 3 oz.
50 N 608......NET .53

NO. 11 BLADES. 5 per pkg. 2 oz.
50 N 610......Per Package of 5.53

NO. 10 BLADES. 5 per pkg. 2 oz.
50 N 609......Per Package of 5.53

ULSTER K-29W ELECTRICIANS' KNIFE. Two 2 1/2" blades; screwdriver-wirescraper; spear shape. Overall 3 3/4". 5 oz.
45 N 843......NET 1.49

MILLERS FALLS UTILITY KNIFE. Cuts veneer, etc. 5" long. 5 blades. 1/2 lb.
45 N 308......NET .75
50 N 171. Pkg. of 5 Blades. 2 oz. NET .37



A MILLERS FALLS 170 AUTOMATIC DRILL. Quick-action chuck. Handle can store 12 bits. Includes 1/16", 1/8", 3/16" and 1/4" drills. 10 1/4" long. 3/4 lb.
46 N 307. List, \$4.25.....NET 3.19

B MILLERS FALLS 1425 HAND DRILL. Double pinion gears. 3-jaw chuck takes drills to 1/4". Nickel-plated frame, chuck. Handle stores drills. 2 lbs.
50 N 174. List, \$5.50.....NET 3.99

C MILLERS FALLS 29 SPIRAL RATCHET SCREWDRIVER. 1/2" bit; steel blade. 10" long. Wt., 1/2 lb.
50 N 189. List, \$3.50.....NET 2.63

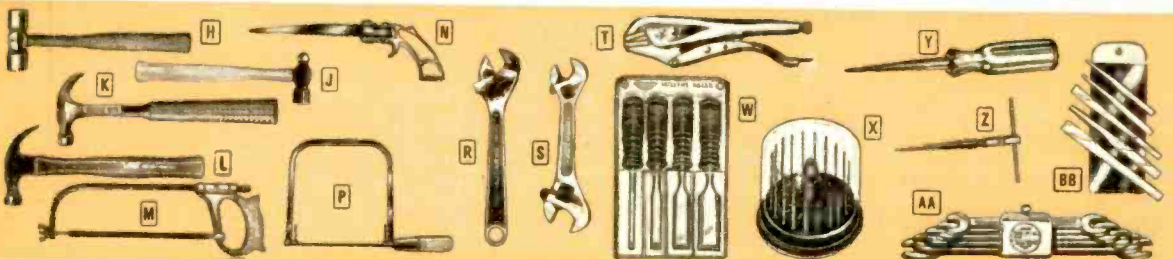
D MILLERS FALLS 10 AWL. 2 3/4" steel blade. 4 1/2" long. 3 oz.
50 N 190. List, 45c.....NET .30

E G-H 79 CENTER PUNCH. Pressure on handle triggers spring which drives punch. Tension adjusts for light or heavy punch. 5" x 1/2" dia. 5 oz.
46 N 195......NET 3.10
46 N 196. Extra Point.....NET .44

F G-H 806 CENTER PUNCH. For hardware with countersunk mounting holes. Tap pin and work is marked. 2 oz.
46 N 218......NET .38

G SKIL "PERMA-GRIT" FILES. Tungsten-carbide abrasive. 1 coarse, 1 fine size. 14" overall. Wt. 8 oz.

Stock No.	Type	Description	EACH
50 N 062	18730	Flat File	1.07
50 N 063	19659	Contour, Coarse	
50 N 064	19860	Contour, Fine	



H VLCHEK HM-16 SOFT-FACE HAMMER. Plastic-face. Steel head, hickory handle. Length, 12 3/4". 1 lb.
50 N 161......NET 2.73

J VLCHEK X-164 BALL PEIN HAMMER. Drop forged; black baked enamel. Hickory handle. 14" long. 1 1/2 lbs.
50 N 577......NET 1.33

K GREAT NECK R-16C CLAW HAMMER. 1-piece steel construction; rubber-cushioned handle. 13" long. 1 1/2 lbs.
45 N 848......NET 3.53

L VLCHEK X-167A NAIL HAMMER. Octagon neck, handle; claw back. Black baked enamel. 13" long. 1 1/2 lbs.
50 N 576......NET 1.42

M PERBER HACK SAW. Adjusts for 10-12" blades. 3/8" tubular steel frame. With 10" blade. Wt., 1 1/2 lbs.
47 N 009......NET 1.49

N FORSBERG V-35 4-WAY KEYHOLE HACKSAW. 7 1/2" blade. 6 oz.
46 N 341......NET .34
EXTRA BLADE. Shpg. wt., 2 oz.
46 N 342......NET .14

P COPING SAW. Hardwood, lacquered handle. Ratchet locks blade. With 6 1/2" blade. Throat depth, 4 3/4". 4 1/2 lbs.
45 N 878......NET .45
EXTRA BLADES. 2 per pkg. 3 oz.
45 N 876......Per Pkg. of 2. .10

R UTICA 91 ADJUSTABLE WRENCHES. Drop forged alloy steel. Chrome finished heads. *Tip thickness.

Stock No.	*Thickness	Size	Jaw Open	Shpg. Wt.	NET EACH
46 N 481	1/8"	4"	1 1/2"	2 oz.	1.93
46 N 482	1/8"	5"	1 3/4"	4 1/2 oz.	1.93
46 N 483	1/8"	6"	1 3/4"	8 oz.	2.22
46 N 484	1/8"	10"	1 1/2"	1 lb.	2.78
46 N 485	1/8"	12"	1 1/2"	1 1/2 lbs.	4.10

S DIAMOND DB-76 ADJUSTABLE WRENCH. 6" double-end—1/2" (1/4" at tip) and 3/4" (7/16" at tip) jaw capacities. Drop forged tool steel. 6 oz.
45 N 770......NET 2.74

T TRU-CUT 10-DC LOCK WRENCH. Up to 1000 lbs. pressure. Fingertip release. Open to 1 1/2". 10" long. 1 1/4 lbs.
46 N 434......NET 1.72

W MILLERS FALLS 1434 CHISEL SET. 4 wood chisels have high-carbon steel blades; 3 3/8" plastic handles. 1/4", 1/2", 3/4", 1" blade widths. Overall, 6 3/4". With case. Shpg. wt., 1 1/2 lbs.
50 N 217. List, \$7.25.....NET 5.44

X KNEISLEY MINIATURE KS-1115 DRILL SET. 20 drills from No. 61 (.039") to No. 80 (.0135"). Highest-grade carbon steel. 4-jaw chuck with 1/8" shank. Transparent lucite case. 6 oz.
46 N 799......NET 6.29

Y MASTER HAND REAMER. 1/8" tip. Plastic handle. 8" long. 6 oz.
46 N 244......NET .88

Z HENRY HANSON 120 HAND REAMER. 1/8" tip, 5 1/2" long. 9 oz.
46 N 243......NET 1.19

AA VLCHEK X2587 OPEN-END WRENCH SET. 5 wrenches—10 openings: 3/8", 1/2", 5/8" and 3/4"; 1/2" and 3/4"; 1 1/2" and 1 3/4"; 3/8" and 1/2"; 1 1/8" and 1 1/4". Chrome plated. 1 1/2 lbs.
46 N 266......NET 1.79

VLCHEK X3412 OPEN AND BOX-END WRENCH SET. (Not illus.) 5 wrenches—3/8" to 3/4". On each end: 3/8", 1/2", 5/8" and 3/4". Chrome plated. 3/4 lb.
50 N 120......NET 2.10

BB VLCHEK 3256 PUNCH AND CHISEL SET. High-carbon tool steel. Contains 1/2" and 3/4" edge chisels; 1/8" and 1/4" solid punches; 3/8" center punch. Brightly plated. Plastic pouch. 3/4 lb.
50 N 125......NET 1.39

Time-Saving Workshop Tools

GREENLEE CHASSIS PUNCHES



A TYPE 733 "D" PUNCHES. For cutting "D" shape hole in chassis with ordinary wrench. Cut to 16-gauge metal. 2 lbs.
50 N 973. For $\frac{1}{4}$ " hole. **NET 3.96**
50 N 974. For $\frac{3}{8}$ " hole. **NET 4.18**

B 731 SQUARE PUNCHES. Cut square hole in 16-gauge metal with wrench. Require $\frac{1}{2}$ " hole. Tool steel. 2 lbs.
46 N 269. For $\frac{1}{2}$ " hole. **NET 4.10**
46 N 276. For $\frac{3}{8}$ " hole. **NET 4.16**
46 N 277. For $\frac{1}{4}$ " hole. **NET 4.74**
46 N 278. For 1" hole. **NET 5.63**

C 732 "KEYED" PUNCHES. Insert punch in hole, turn with wrench. Require $\frac{1}{2}$ " hole except * $\frac{3}{8}$ " hole. 1 $\frac{1}{2}$ lbs.

Stock No.	Size	NET	Stock No.	Size	NET
46 N 214	* $\frac{11}{16}$ "	4.41	46 N 186	$\frac{11}{16}$ "	4.98
46 N 184	$\frac{11}{16}$ "	4.41	46 N 189	$\frac{11}{16}$ "	5.40

D BALL-BEARING DRIVE SCREWS. For 730 punches (at right). 1 lb.
47 N 018. AV322-BB. For $\frac{11}{16}$ ", $\frac{3}{4}$ ", $\frac{13}{16}$ " punches. **NET .88**
47 N 019. AV112-BB. For 1" and $\frac{1}{2}$ " punches. **NET .97**
50 N 188. AV249-BB. For $1\frac{1}{2}$ ", $1\frac{1}{4}$ ", and $1\frac{3}{4}$ " punches. **NET 2.11**
50 N 189. AV304-BB. For $2\frac{1}{2}$ " punch. (indicated by † in table). **NET 2.30**

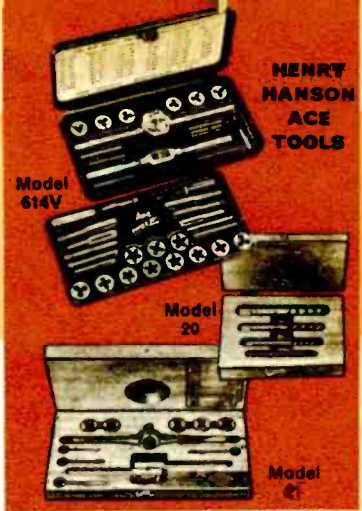
REPLACEMENT CAP SCREWS FOR ROUND HOLE PUNCHES. Shpg. wt., 4 oz.

Stock No.	Size	For Punch Size	NET
46 N 182	$\frac{1}{4}$ "	$\frac{1}{4}$ " and $\frac{3}{8}$ "	.26
46 N 183	$\frac{3}{8}$ "	$\frac{1}{4}$ " to $\frac{1}{2}$ "	.26
46 N 168	$\frac{1}{2}$ "	1" to $1\frac{1}{2}$ " (except $1\frac{1}{4}$ ")	.30
46 N 295	$\frac{1}{2}$ "	$1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $1\frac{1}{2}$ "	.44
46 N 343	$\frac{3}{4}$ "	$1\frac{1}{2}$ " to $2\frac{1}{4}$ "	.53

E RATCHET KNOCKOUT PUNCH DRIVER. Lightweight punch driver is 6 to 8 times faster than wrench method! For use with standard punches $\frac{1}{2}$ " to 3" and 730 punches $\frac{11}{16}$ " and larger. Fast cutting action in 10-gauge or lighter material. Includes knockout driver assembly; leverage handle; ratchet handle; 3 adapter screws for $\frac{1}{2}$ " to 3" punches and round punches $\frac{11}{16}$ " to $2\frac{1}{2}$ ". In metal carrying case. Less punches. 13 lbs.
47 N 017. \$5 Monthly. **NET 48.51**

F 730 ROUND PUNCHES. For sockets, controls, panel lights, etc. Cut through sheet metal, bakelite, hard rubber, etc. Cut through metals up to 16-gauge thickness. Operate with ordinary wrench—no reaming or filing is necessary. Meter cutout. Av. shpg. wt., 1 $\frac{1}{2}$ lbs.

Stock No.	Hole Size	Lead Size	NET EACH
46 N 169	$\frac{1}{2}$ "	$\frac{1}{2}$ "	2.29
46 N 177	$\frac{1}{2}$ "	$\frac{1}{2}$ "	2.29
47 N 014	$\frac{3}{8}$ "	$\frac{3}{8}$ "	2.29
46 N 000	$\frac{3}{8}$ "	$\frac{3}{8}$ "	2.29
46 N 170	$\frac{3}{8}$ "	$\frac{3}{8}$ "	2.29
46 N 001	$\frac{11}{16}$ "	$\frac{3}{8}$ "	2.29
46 N 171	$\frac{11}{16}$ "	$\frac{3}{8}$ "	2.29
47 N 015	$\frac{11}{16}$ "	$\frac{3}{8}$ "	2.51
46 N 172	1"	$\frac{3}{8}$ "	2.51
46 N 178	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	2.65
46 N 173	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	2.65
46 N 179	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	2.65
46 N 174	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	2.65
46 N 175	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	2.65
46 N 176	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	3.18
46 N 180	$1\frac{1}{8}$ "	$\frac{3}{8}$ "	3.62
46 N 011	$1\frac{1}{2}$ "	$\frac{3}{8}$ "	4.28
46 N 110	$1\frac{1}{2}$ "	$\frac{3}{8}$ "	4.84
46 N 116	$2\frac{1}{4}$ "	$\frac{3}{8}$ "	6.52
46 N 181	$2\frac{1}{4}$ "	$\frac{3}{8}$ "	7.02
47 N 016	$2\frac{1}{4}$ "	$\frac{3}{8}$ "	11.77
46 N 209	$2\frac{1}{4}$ "†	$\frac{3}{8}$ "	11.02



HENRY HANSON ACE TOOLS

- Deluxe Set—39 Pieces
- 17 Tap and Die Sizes

MODEL 614V TAP AND DIE SET. 1 each tap and die: 4-36, 6-32, 8-32, 10-24, 10-32 and 12-24 (Machine Screw Standard). $\frac{1}{4}$ -, 20, $\frac{3}{16}$ -, 18, $\frac{3}{8}$ -, 16, $\frac{1}{2}$ -, 14 and $\frac{1}{2}$ -, 13 NC (U.S. Standard), $\frac{1}{4}$ -, 28, $\frac{3}{8}$ -, 24, $\frac{1}{2}$ -, 24, $\frac{3}{8}$ -, 20 and $\frac{1}{2}$ -, 20 NF (S.A.E. Standard), $\frac{1}{4}$ " pipe. Includes die stock, tap and reamer wrench, "T" tap wrench, screwdriver and screw pitch gauge. 4 lbs.
46 N 245. \$5 Monthly. **NET 25.70**

INDIVIDUAL TAPS AND DIES. Tough carbon steel. Right-hand thread. 2 oz.

Size	Tap	EACH	Die	EACH
4-36	46 N 700	.30	46 N 706	
6-32	46 N 701	.30	46 N 707	
8-32	46 N 702	.30	46 N 708	
10-24	46 N 704	.34	46 N 710	.44
10-32	46 N 703	.34	46 N 709	
$\frac{1}{4}$ -20	46 N 705	.38	46 N 711	

TAP WRENCH. "T" handle unit for above taps. Shpg. wt., 2 oz.
46 N 713. **NET .45**

MODEL 20 SCREW EXTRACTOR SET. 4 extractors remove broken screws $\frac{1}{2}$ " to $\frac{3}{8}$ ", bolts, studs, $\frac{1}{4}$ " and $\frac{1}{2}$ " pipe. Heat-treated alloy steel—practically unbreakable. In hardwood box. 1 lb.
46 N 284. **NET 1.88**

MODEL 21 RADIO TAP-DIE SET. 1 each plug tap and die: 6-32, 8-32, 10-24, 12-24, $\frac{1}{4}$ -, 20. Solid dies, 1" dia. High-carbon tempered steel. Includes tap-reamer wrench. In mahogany box. 3 lbs.
46 N 025. **NET 7.05**

HP MODEL 500 NUT CRACKING TOOL. Cracks nuts from $\frac{3}{16}$ " to $\frac{1}{2}$ ". Cannot damage bolts. Easy to use; set chisel at right angle to the flat of the nut—griplightly—thenswing ratchet on forcing screw. Up to 25,000 lbs. pressure. Wt., 1 $\frac{1}{2}$ lbs.
50 N 583. **NET 5.95**



ADEL METAL "NIBBLING" TOOL

"Nibbles" holes; slots or openings in 18-gauge steel, aluminum or other soft metals up to $\frac{1}{8}$ " thick. Leaves smooth, flat edges. Minimum hole size is $\frac{7}{16}$ " diameter. Shpg. wt., 8 oz.
43 N 863. 12-Up. EA. 3.60 1-11. EA. 3.85



REPLACEMENT PUNCH FOR ABOVE. Easy to install. Shpg. wt., 2 oz.
50 N 130. **NET 1.87**

WALSCO HEX SPLINE KEYS

7 Allen and 4 Bristol key-type, L-shaped wrenches fit screws ranging in size from No. 2 to $\frac{3}{8}$ ". Packed in leatherette case. Shpg. wt., $\frac{1}{2}$ lb.
46 N 166. **NET 1.32**

H. H. SMITH WRENCH SET

6 Allen wrenches fit screw numbers 4, 5, 6, 8 and 10 as well as $\frac{1}{4}$ " and $\frac{3}{8}$ " size. Leatherette case has individual pockets for each wrench. Wt., 3 oz.
46 N 072. 1-11, **NET EACH .71**
 12 Sets or More. **NET EACH .64**

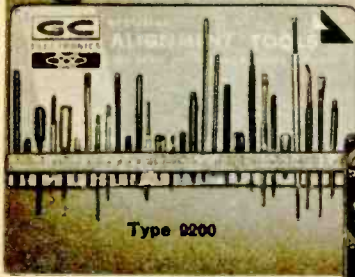


WALSCO

H. H. SMITH



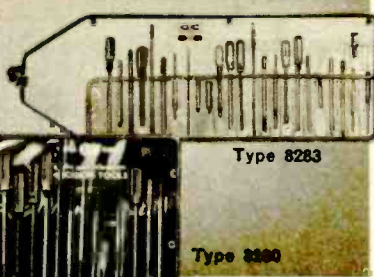
Top Quality TV-Radio Alignment Tool Kits



Type 9200

TYPE 9200 PANEL KIT. Convenient, wall mounting kit of 27 most needed radio-TV alignment tools. Each tool has separate slot. Made of finest materials—low-loss plastics, tips of hardened spring steel, extra-hard bone fiber. Includes: various length alignment screwdrivers, special short tools, alignment wrenches, channel tuners, core aligners, oscillator adjustment knobs, trimmer and IF aligners, solder probe, nylon replacement tip, hex tools, etc. 3-color steel panel for quickly reaching the immediately-needed tool. 2-hole mtg. Shpg. wt., 3 lbs.

42 N 341NET 17.15



Type 8283

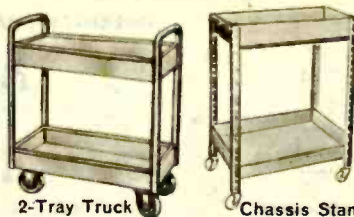
TYPE 8283 MASTER DELUXE TV TOOL KIT. Complete 25-piece alignment tool kit. High-quality tools, none over 9" long. Includes: K-Tran tool, core aligner, long-reach aligner, flexible wand, short tool, etc. Roll case. Shpg. wt., 1 lb.

42 N 005NET 13.88

TYPE 8280 DELUXE TV ALIGNMENT TOOL KIT. Roll case of 16 specially engineered tools. Tips are hardened spring steel. Includes: "Shorty," duplex aligner, tuning wand, core aligner, oscillator tool, long-reach aligner, etc. 8 oz.

42 N 006NET 8.45

Equipto Steel Stands and Trucks



2-Tray Truck

Chassis Stand

STURDY STEEL TRUCKS

Rugged steel trucks with round beaded edges for strength and rigidity. Rubber-tired 5" wheels; rear wheels swivel, 4" deep trays hold 600 lbs. Top tray inverts to become table top. Olive-green finish.

Stock No.	Mfr's Type	Size HWD	Wt., Lbs.	NET EACH
86 NZ 090	150	36x24x36"	70	39.90
86 NZ 092	145	36x16x30"	60	29.90

86 N 093. Type 146 Shelf. Attaches to above trucks, 8½x11", 5 lbs.NET 2.50

CHASSIS STANDS

For moving or working on radio-TV chassis, heavy test equipment, etc. Rugged steel construction; 2½" solid rubber-tired wheels. Lower shelf for tools, parts, etc. 34x18x24".

Stock No.	Mfr's Type	Description	Wt., Lbs.	NET EACH
86 NZ 087	710	Metal top	55	16.30
86 NZ 088	711	Wood top	57	17.80

Chassis Holders



G-C Chassis Cradle

JFD "Repairack"

G-C CHASSIS CRADLE. Adjustable cradle holds chassis securely, rotates 360°. Size, 24" long, 14" high, 12½" wide. Shpg. wt., 7 lbs.

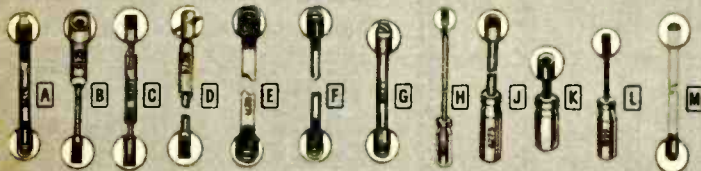
86 NX 034NET 7.35

JFD "REPAIRACK." Unusually sturdy cast-iron rack. Chassis clamps hold any radio or television chassis up to 200 lbs. in weight and 32" in length. Rotates 360°. Overall size, 14¼x32x15". Shpg. wt., 18 lbs.

86 NX 038NET 29.40



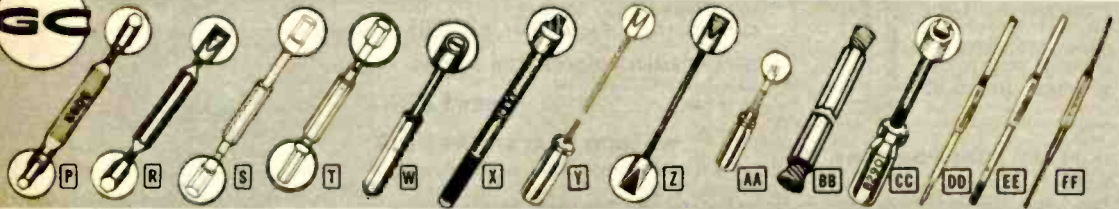
TV Alignment and Tuning Tools



Stock No.	Type	Fig.	Description	Oz.	NET
42 N 378	8276	A	Short duplex aligner	3	.50
42 N 381	8275	B	Zenith universal aligner	3	.50
42 N 383	5097	C	K-tran and IF aligner	3	.76
42 N 391	8274	D	9" nested core aligner	3	.81
42 N 382	8271	E	Stackpole stud-type core aligner	3	.56
42 N 393	8722	F	7" duplex #4 and #6 stud aligner	3	.65
42 N 395	8277	G	2½" duplex aligner	3	.50
42 N 386	8607	H	12¼" nylon tip aligner	4	1.47
Stock No.	Type	Fig.	Description	Oz.	NET
42 N 387	8608-E		Replacement nylon tip for above	3	.24
42 N 397	8273	J	All-purpose TV aligner	3	.67
42 N 348	9298	K	2" blade alignment tool	5	.47
42 N 394	8195	L	Channel tuning tool	3	.71
50 N 585	8278	M	Extra-thin TV tuning wand	3	.52
49 N 001	9096	N	12" Slug Retriever	4	2.53
49 N 002	9097	N	15" Slug Retriever	5	2.94
49 N 003	9399	N	19" Slug Retriever	6	4.09



New TV Slug Retriever

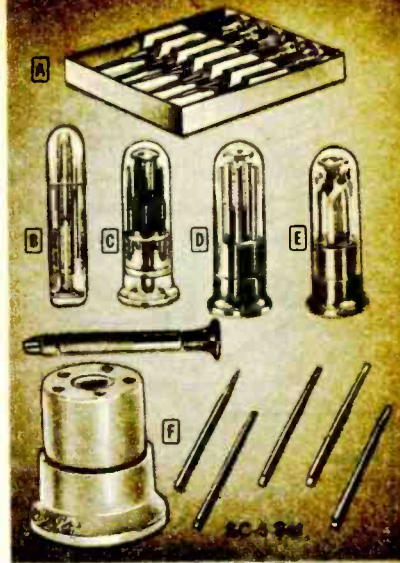


Stock No.	Type	Fig.	Description	Oz.	NET	Stock No.	Type	Fig.	Description	Oz.	NET
42 N 377	8606	P	Zenith-Admiral nylon hex wrench	3	.47	42 N 389	8728	Z	Same as 8728-A, left, but 12" long	3	.52
42 N 380	8282	R	Zenith wrench and aligner	3	.36	42 N 390	8729	Z	Same as 8728-A, left, but 16" long	3	.68
42 N 379	9091	S	.125" hex nylon wrench	3	.47	42 N 420	0347	AA	7" light spot steel screwdriver	3	2.20
42 N 346	9296	T	11" nylon hex (.075") wrench	4	.62	42 N 409	9147	BB	1/4" and 3/8" hex nut starter	3	1.62
42 N 347	9050-L	W	Zenith nylon hex wrench	3	.52	50 N 588	8290	CC	Universal screwdriver aligner	3	.62
42 N 396	5000	X	Alignment screwdriver	3	.41	50 N 571	8868	DD	Tel-A-Turn screwdriver	3	.96
42 N 384	8988	Y	12" blade plastic screwdriver	3	.91	50 N 572	8867	EE	Tel-A-Turn IF aligner	3	.96
42 N 385	8989	Y	16" blade plastic screwdriver	3	1.20	50 N 573	8869	FF	Tel-A-Turn Hex aligner	3	.96
42 N 388	8728-A	Z	7" long bone-fiber screwdriver	3	.42						

Moody Miniature Wrench and Screwdriver Sets

- A JS-6 JEWELER'S SCREWDRIVERS.** Six precision drivers. Steel blades, knurled handles. Sizes, .025", .040", .055", .070", .080", .1". Case, $\frac{1}{2} \times 4 \frac{1}{4} \times 3 \frac{3}{4}$ ". Wt., $\frac{1}{2}$ lb.
50 N 384.....NET PER SET **2.89**
 12 Sets or More, PER SET **2.69**
- PA-5 SET.** Not illus. Nos. 0, 1 Phillips drivers; Nos. 4, 6, 8 Allen wrenches; handle, stand and cover. 7 oz.
43 N 857.....NET PER SET **1.64**
 12 Sets or More, PER SET **1.47**
- B NEW SH-2 SCREW-HOLDING SCREWDRIVER SET.** Includes: locking-chuck handle; $2 \frac{1}{2}$ " and $1 \frac{1}{2}$ " blades; screw clip; plastic case. 5 oz.
49 N 004.....NET PER SET **81c**
 12 Sets or More, PER SET **73c**
- C NEW TS-5 TINY TAP SET.** 5 steel taps; knurled chuck handle. Sizes: 0-80; 1-72; 2-56; 3-48; 4-40. Case. 5 oz.
49 N 005.....NET PER SET **3.20**
 12 Sets or More, PER SET **2.91**

- D BW-5 MAGNETIC SOCKET WRENCH KIT.** Five tiny steel hex wrenches with magnetized swivel-top handle. Sizes: $\frac{3}{64}$ ", $\frac{1}{32}$ ", $\frac{1}{16}$ ", $\frac{1}{8}$ ", $\frac{1}{4}$ ". Nickel-plated handle has screw-type chuck. Transparent plastic container. 5 oz.
43 N 862.....NET PER SET **2.61**
 12 Sets or More, PER SET **2.39**
- E OE-5 OPEN END WRENCH SET.** Five tiny offset wrenches. Made of tough, heat-treated steel. Sizes: $\frac{3}{64}$ ", $\frac{1}{32}$ ", $\frac{1}{16}$ ", $\frac{1}{8}$ " and $\frac{1}{4}$ ". Chuck-type handle. Plastic container. Wt., 5 oz.
43 N 804.....NET PER SET **1.64**
 12 Sets or More, PER SET **1.47**
- F SC-5 SCREWDRIVER SET.** Contains 4 interchangeable steel blades in sizes .001", .005", .070", .080", plus 1" awl. Handle has screw-type chuck. In plastic container. Shpg. wt., 8 oz.
43 N 859.....NET PER SET **99c**
 12 Sets or More, PER SET **89c**

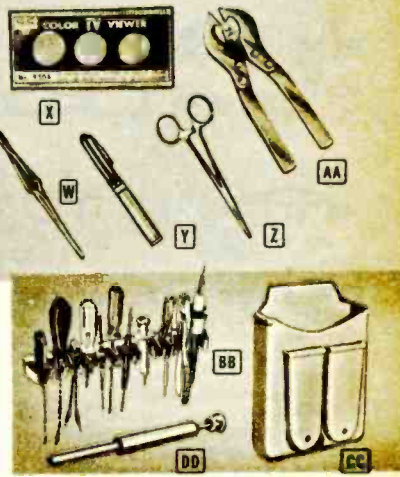


High-Quality All-Purpose Servicing Tools



- G G-C 5090 INSPECTION MIRROR.** 8" long. Mirror is 1" dia. 5 oz.
42 N 121.....NET **41c**
- H G-C 8725 ILLUMINATED INSPECTION MIRROR.** Anod. aluminum; 6" lucite rod, 1" hinged mirror. With bulb, less penlight cells. $12 \frac{1}{4}$ ". 6 oz.
42 N 130.....NET **1.97**
55 J 020. Burgess "Z" Cell, $1 \frac{1}{2}$ -volt cell for above. Uses two. 3 oz. **EACH 10c**
- J G-C 5089 PICK-UP TOOL.** Press button to open claws—release to close. Flexible 14" shaft. Wt., 4 oz.
50 N 741.....NET **96c**
- K G-C 9093 SOLDERING PROBE.** For printed-circuit work. 8". 3 oz.
50 N 586.....NET **96c**
- L G-C 9094 P.C. BOARD BRUSH AND SCRAPER.** Stainless steel brush, hardened steel scraper. 8" long. 3 oz.
50 N 587.....NET **96c**
- M G-C 705 TROUBLE-LIGHT.** Illuminates dark corners. With bulb, $5 \frac{1}{2}$ -ft. cord. For 115 v., AC-DC. $\frac{1}{2}$ lb.
42 N 120.....NET **1.32**
- N G-C TYPE 5092 TUBE PULLER.** Scissors-type. Rubber tips. 12 oz.
46 N 092.....NET **96c**
- P G-C 9130 TUBE GADGET.** 3 tools in one. Straightens 7 or 9-pin min. tube pins; pulls tubes. 3 oz.
42 N 016.....NET **90c**
- R G-C 5093 TUBE PULLER.** For 7-pin miniature tubes. 2 oz.
46 N 094.....NET **1.27**
46 N 155. G-C 8106 Tube Puller. Same as 5093, for 9-pin. min. tubes. **NET 1.27**

- S G-C 5191 PIN STRAIGHTENER.** For 7-pin min. tubes. Steel die. 6 oz.
46 N 227.....NET **73c**
46 N 228. Type 8105. Same as 5191, but for 9-pin min. tubes **NET 73c**
46 N 230. Type 8655. As above, but dual service for 7 and 9-pin min. tubes. 7 oz. **NET 1.47**
- T KNOB-PULLER.** For push-on knobs. 4 oz.
46 N 077.....NET **32c**
- W G-C 7946 TWEEZERS.** Precision, self-closing crossover action. Serrated blunt points. $6 \frac{1}{2}$ " long. Wt., 4 oz.
50 N 737.....NET **76c**
50 N 738. Type 7947. As above, but with slide lock. $6 \frac{1}{2}$ " long. **NET 88c**
50 N 739. Type 7948. As above, but with narrow pointed ends, $4 \frac{1}{2}$ " long. **NET 50c**
50 N 740. Type 7950 Tweezer Kit. One each of above in case. 7 oz. **NET 2.23**
- X G-C 9309 COLOR TV VIEWER.** 3 optical filters allow adjusting color phase and matrix without scope. 2 oz.
45 N 663.....NET **1.47**
- Y G-C 8885 PRES-TO-OILER.** Press plunger to release one drop. Also for radio-TV chemicals. Contains oil. 3 oz.
46 N 065.....NET **81c**
- Z XCELITE 42H "SEIZER."** Straight-nose "third hand." 3 oz.
45 N 666.....NET **4.27**
45 N 667. Type 43H. As above, but with curved nose. **NET 4.42**
- AA G-C 8872 C-RING TOOL.** Removes, inserts "C" washers, retainers. 2 oz.
45 N 661.....NET **1.84**



- G-C 9525 TOOL CADDY**
BB End tool clutter in the shop, lab, garage etc. Holds twelve tools of all sizes and shapes—hammers to tweezers. Simple to mount and use. Tools are held by spring-locked brackets. Just snap in and out—tools are always held firmly in place. $10 \frac{1}{2}$ " long. $\frac{3}{8}$ lb.
45 N 665.....NET **1.46**

- G-C 8943 TOOL HOLSTER**
CC Perfect for servicemen, electricians, etc. Attaches to belt by two metal loops. Two narrow compartments and one full-sized compartment securely hold most-needed tools. Made of tough, flexible polyethylene plastic that holds its shape. Shpg. wt., 6 oz.
46 N 345.....NET **2.43**

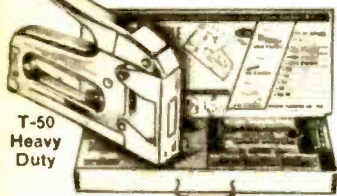
- G-C 9280 CONTROL GUN**
DD Handy device for cleaning and lubricating noisy volume controls. $7 \frac{1}{4} \times \frac{3}{8}$ ". Less fluid. Shpg. wt., 8 oz.
43 N 045.....NET **3.67**
43 N 068. Type 9282 Adapter. For extra long shanks. Wt., 2 oz. **NET 49c**

Use Allied's Credit Fund Plan on Tool Orders Totaling \$20 or More

Staplers, Tapewriters, Cutters, Strippers

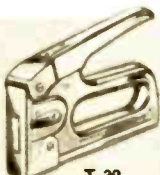
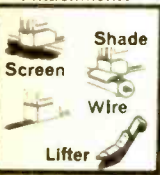


**ARROW
STAPLE
GUNS AND
KITS**



**T-50
Heavy
Duty**

Attachments



**T-32
Medium Duty**

JT-21 JR. ECONOMY STAPLER. Has stapler extractor, lock. Loads 100 staples. $\frac{3}{4} \times 6 \frac{1}{2} \times 3 \frac{1}{2}$ ". Less staples. 1 lb.
45 N 653. List, \$4.95. **NET 3.97**

T-25 CABLE STAPLER. For round objects to $\frac{1}{4}$ " dia. Jamproof. Loads 85 staples. $5 \frac{1}{2} \times 7 \frac{1}{2}$ ". Shpg. wt. $2 \frac{1}{4}$ lbs.
46 N 491. List, \$15.00. **NET 12.49**

46 N 493. T-75 Stapler. As above, for $\frac{1}{2}$ " dia. Loads 53 staples. $5 \frac{1}{2} \times 7 \times \frac{1}{2}$ ". $2 \frac{1}{2}$ lbs. List, \$18.00. **NET 14.99**

STAPLES FOR ARROW GUNS

Stock No.	For Model	Width	Length	Quantity	Lbs.	Net
45 N 654	JT-21	$\frac{1}{32}$ "	$\frac{1}{4}$ "	1000	$\frac{1}{4}$	4.9c
45 N 655	JT-21	$\frac{1}{32}$ "	$\frac{3}{8}$ "	1000	$\frac{1}{4}$	4.9c
47 N 096	T-32	$\frac{7}{16}$ "	$\frac{3}{8}$ "	5000	1	1.87
46 N 063	T-32	$\frac{7}{16}$ "	$\frac{3}{8}$ "	5000	1	2.08
45 N 793	T-50	$\frac{3}{8}$ "	$\frac{1}{2}$ "	5000	1	2.08
45 N 789	T-50	$\frac{3}{8}$ "	$\frac{3}{8}$ "	5000	1	2.20
45 N 792	T-50	$\frac{3}{8}$ "	$\frac{3}{8}$ "	5000	1	2.20
46 N 294	T-50CT	$\frac{3}{8}$ "	$\frac{3}{8}$ "	5000	1	3.20
45 N 790	T-75	$\frac{1}{2}$ "	$\frac{3}{8}$ "	5000	1	3.33
46 N 492	T-25	$\frac{1}{2}$ "	$\frac{7}{8}$ "	5000	1	3.33
45 N 791	T-25	$\frac{1}{2}$ "	$\frac{3}{8}$ "	5000	1	3.74
45 N 798	T-75	$\frac{1}{2}$ "	$\frac{3}{8}$ "	1000	$\frac{1}{4}$	1.88
45 N 799	T-75	$\frac{1}{2}$ "	$\frac{3}{8}$ "	1000	$\frac{1}{4}$	1.88
46 N 494	T-75	$\frac{1}{2}$ "	$\frac{3}{8}$ "	1000	$\frac{1}{4}$	2.08

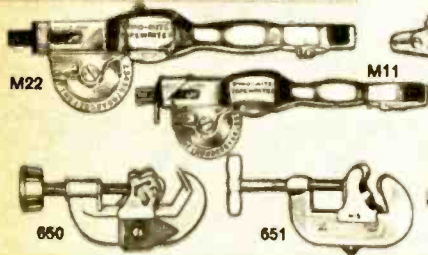
T-50 GENERAL-PURPOSE STAPLER. Heavy-duty gun takes $\frac{1}{4}$ " to $\frac{3}{16}$ " staples for use in any tacking job including ceiling tiles. Double leverage action for powerful drive with minimum squeeze pressure. Patented non-jamming mechanism. All-steel, chrome finish. Loads 85—050" staples. $5 \frac{1}{2} \times 7 \frac{1}{2} \times \frac{1}{2}$ ". Wt. 2 lbs.
46 N 292. List, \$12.50. **NET 10.41**

T-50MP KIT. Includes T-50 gun. 5000 staples (assorted, $\frac{1}{4}$ " to $\frac{3}{16}$ "), and 4 attachments (listed below). $5 \frac{1}{2}$ lbs.
50 N 466. List, \$17.50. **NET 14.57**

T-50 ATTACHMENTS

Stock No.	Type	Description	Oz.	NET
52 N 701	T-50	Screen Attachment	3	85c
52 N 702	T-50	Wire Attachment	3	85c
52 N 703	T-50	Window Shade Attachment	3	85c
52 N 704	St-50	Staple Lifter	3	85c

T-32 MEDIUM-DUTY STAPLER. Non-jamming double leverage action. All-steel, chrome Safety-lock handle. Loads 150—.032" staples. $5 \times 7 \frac{1}{2}$ ". Wt., $1 \frac{1}{2}$ lbs.
46 N 062. List, \$10.50. **NET 8.74**



NEW DYMO TAPEWriters
MODEL M-22. Heavy-duty tool makes raised-letter labels on $\frac{1}{2}$ " plastic tape. Straight cutoff; "Delrin" plastic embossing wheel; $\frac{3}{4}$ " letters. Chrome-plated. $10 \frac{1}{2}$ " long. Less tape, below. 3 lbs.
50 N 849. **NET 39.95**

PLASTIC TAPE. $\frac{1}{2}$ " vinyl pressure tape. 12-ft. rolls. For M-22 only. 5 oz.
Type 158-1 Clear. Type 158-6 Blue.
Type 158-2 Red. Type 158-8 Brown.
Type 158-4 Orange. Type 158-9 Black.
Type 158-5 Green.
50 NN 903. NET PER ROLL. 1.65

MODEL M-5. Economy version of M-22, above, but uses disposable $\frac{1}{4}$ " tape magazines. $8 \frac{1}{2}$ " long. Less tape, below. 1 lb.
50 N 853. **NET 24.95**

"THROW-AWAY" TAPE MAGAZINES. For use with M-5 Tapewriter, above. Each magazine has 120' roll of $\frac{3}{8}$ " vinyl, adhesive tape. 4 oz.

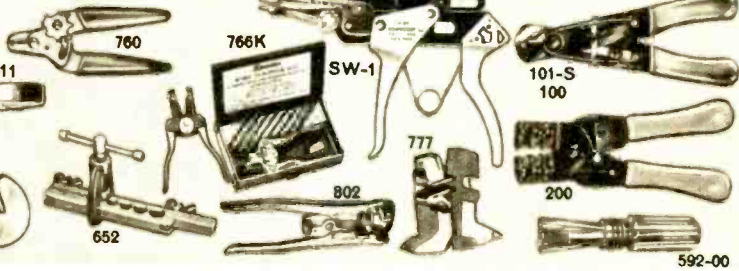
Type	Color	Type	Color
5201-2	Red	5201-7	Yellow
5201-4	Orange	5201-8	Brown
5201-5	Green	5201-9	Black
5201-6	Blue	5201-13	Gold

50 N 884. Specify Color. EACH 1.25

MODEL M-11. For embossing $\frac{1}{2}$ " metal tapes. Straight cutoff, $\frac{3}{4}$ " hole puncher. $10 \frac{1}{2}$ " long. Less tape, below. 3 lbs.
50 N 885. **NET 49.95**

METAL TAPES. For M-11 only. $\frac{1}{2}$ " wide; adhesive backed. Type 317-9 is black with aluminum stripe. Wt., 6 oz.

Stock No.	Type	Metal	Lgth.	E.A.
50 N 886	317-9	Aluminum	10'	1.65
50 N 887	313	Copper	12'	1.75
50 N 888	358	Aluminum	12'	1.65



VLCHEK 650 TUBING CUTTER. Alloy steel blade cuts $\frac{1}{8}$ " to $1 \frac{1}{16}$ " copper, brass, aluminum tubing. Retractable reamer. Wt., $\frac{1}{4}$ lb.
50 N 890. **NET 1.35**

VLCHEK 651 COMBINATION TUBING / PIPE CUTTER. Cuts tubing to $2 \frac{1}{2}$ " std. pipe to 1". Alloy steel body, handle; chrome alloy blade; reamer. Wt., 2 lbs.
50 N 889. **NET 5.15**

VLCHEK 652 FLARING TOOL. For all tubing, $\frac{3}{8}$ " through $\frac{3}{4}$ ". Hardened and polished; tapered cone rides on ball bearing; black enamel yoke. 3 lbs.
50 N 891. **NET 3.34**

G-C WIRE STRIPPERS

TYPE 766K KIT. Contains 766 Stripper. 7 blades, blade guide. For #8 to #30 wires. Shpg. wt., $2 \frac{1}{4}$ lbs.
46 N 229. **NET 11.73**

DELUXE MODEL 766. Will not pull or crush wire. Hardened steel blades. For #12 to #20 wires. Wt., $1 \frac{1}{4}$ lbs.
46 N 225. **NET 5.81**

46 N 226. Model 766A. As above, for #14 to #30 wires. **NET 5.81**

MODEL 802. For #10 to #22 wires. Automatic stop return, wire cutter. 8 oz.
50 N 341. **NET 5.81**

50 N 346. Type 777 Teflon Adapter. **1.22**

MODEL 760 STRIP-ER-CLIP. 8-stop gauge adjusts for #12 to #26 wires. Can't nick or cut wire. Insulated grip. 8 oz.
50 N 347. **NET 1.35**

UTICA "STRIPWRIGHT" WIRE STRIPPER

MODEL SW-1. Prevents wire nicking; strips Teflon as well as most other solid and stranded wire. Cam action calibrated dial adjusts to wire sizes from Nos. 12 to 26. For use in limited access areas; permits stripping at any point. Comfort-grip handles. Shpg. wt., 7 oz.
50 N 680. List, \$19.95. **NET 14.90**

K. MILLER WIRE STRIPPERS WITH CUTTERS

MODEL 101-S. Strips insulation from wire up to #8, solid or stranded. Spring lock holds blades closed when not in use. 5" long. Shpg. wt., 4 oz.
46 N 246. **NET 1.17**

MODEL 100. As above, but without spring action. Shpg. wt., 4 oz.
50 N 338. **NET 87c**

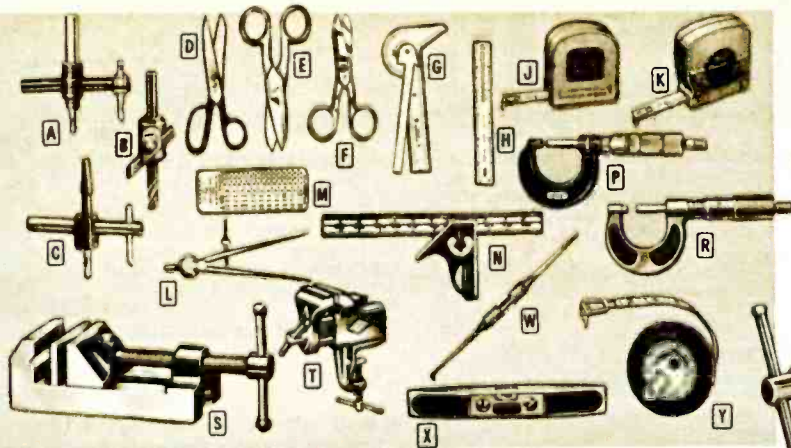
MODEL 200. Coaxial cable stripper, cutter and slitter. Adjustable blades preset for RG59/U cable. Tool steel blades. Shpg. wt., 8 oz.
50 N 339. **13.47**

WALSCO WIRE STRIPPER

TYPE 592-00 "TWISTO." For rapid removal of insulation from wire sizes 12-22. Built-in stop for production stripping. Spring steel blades. $4 \frac{1}{2}$ " long. 8 oz.
46 N 440. **NET 2.94**

592-03 REPLACEMENT BLADES. 2 oz.
46 N 441. **NET PER SET 66c**

Measuring Tools, Scissors, Cutters, Vises



GENERAL HARDWARE CIRCLE CUTTERS. Round shank types for drill press; square shank for hand brace. Removable pilot drill and cutter blade. Av. wt. 8 oz.

Stock No.	Fig.	Shank	Hole Size	NET
45 N 600	A	Round 1/4"	7/8" to 3"	1.69
45 N 602	C	Square	1" to 6"	2.10
45 N 603	A	Round 1/8"	1" to 6"	2.10
45 N 350	A	Round 1/2"	1" to 6"	2.10
45 N 351	A	Round 1/2"	1 1/4" to 8"	4.64

45 N 610, Extra Blades. 4 oz. NET EA. 44c

CLARK TYPE 100 CIRCLE CUTTER. Cuts holes 3/8" to 1 1/2" in dia., in metals up to 1/8" thick. 5/8" pilot drill with 1/4" round shank. 5 oz.

45 N 620. NET 3.67

CLAUS INDUSTRIAL SCISSORS. Type 925 (Fig. D) are electrician's scissors. Type 925C (Fig. E) same, but has wire stripping notches on back of blade. Type 4217 (Fig. F) is industrial shears; Type 4218 is identical but larger.

Stock No.	Mfr's Type	Length	Cut Length	Wt. Oz.	NET EACH
45 N 896	925	5"	1 1/2"	3	1.84
45 N 842	925C	8"	1 1/2"	3	2.14
46 N 305	4217	7"	3 1/2"	5	3.31
46 N 304	4218	8"	4"	6	3.67

G MULTI-PURPOSE RULE. 4" scale in 32nds and 64ths, plus millimeters; square; protractor; center finder; drill-point gauge; tap-drill table. Stainless Steel. With case, 4 oz.

46 N 153. NET 1.34

H 6" RULE AND WIRE GAUGE. Graduated in 32nds and 64ths. Has B&S wire gauge; decimal equiv. 2 oz.

46 N 061. NET 44c

I 12" STAINLESS STEEL BENCH RULE. (Not illus.) Has two sides graduated in 8ths, 16ths, 32nds, and 64ths. 1/8" wide. Shpg. wt., 2 oz.

46 N 088. NET 75c

J LUFKIN WHITE CLAD "MEZURALL" STEEL TAPE RULES. For construction and general home use. Easy-to-read jet black markings against a durable, white background on tempered steel blade. Self-adjusting end hook for accurate butt end and hook-over measurements. Marked on both edges, one side. First 12 inches of upper edge graduated to 32nds; balance to 16ths.

Stock No.	Type	Feet	Oz.	List	NET
50 N 175	W926	6	4	\$1.10	.80
50 N 176	W928	8	5	1.39	.93
50 N 177	W9210	10	6	1.69	1.13
50 N 178	W9212	12	7 1/2	1.98	1.32

K LUFKIN "MEZURAMATIC" TAPE RULES. Ball-bearing rewind, heavy-duty end hooks, non-slip cases. Foot and inch graduations to 16ths of an inch on both edges, first 12" graduated to 32nds on one edge. Have black markings on a white background, except *which are chrome-plated.

Stock No.	Type	Feet	Oz.	List	NET
50 N 179	W728	8	7	\$1.69	1.13
50 N 180	W7210	10	7 1/2	1.98	1.33
50 N 181	W7212	12	8	2.29	1.53
50 N 182	C728*	8	7	2.40	1.60
50 N 183	C7210*	10	7 1/2	2.70	1.80

L 6" STEEL DIVIDERS. Bow, spring and tapered fulcrum for accuracy. Replaceable points. Adjusting nut. Length, 6 inches. Shpg. wt., 6 oz.

46 N 089. NET 2.74

M DRILL AND STEEL-WIRE GAUGE. Gauges and gives decimal equivalents—drill number and wire sizes 1 to 60. Lists tap and drill sizes, 1/8"-28 to 2-56. Shpg. wt., 5 oz.

46 N 060. NET 1.34

N 12" COMBINATION RULE. Etched steel. Graduated in 8ths, 16ths, and 32nds. Head locks on 1" blade. Scriber in head. 1 1/2 lbs.

50 N 308. NET 84c

P CENTRAL 1" PRECISION MICROMETER. High-quality, moderately priced micrometer. Easy to read, has positive lock. Meets gov't spec. GGG-C-105. Polished spindle and anvil. 8 oz.

50 N 060. List, \$14.00. NET 10.95

R HANSON ECONOMY 1" MICROMETER. Precision micrometer has .0005" accuracy. Employs screw-type anvil to permit simplified zero adjustment. Spring-friction stop for improved accuracy. Frame, thimble and ratchet are fully chromed to inhibit rust. Factory-adjusted. 7 oz.

46 N 249. NET 3.37

S MILLERS FALLS NO. 217 VISE. 2 1/2" wide jaws open to 3 1/2". Removable swivel jaw. 5 lbs.

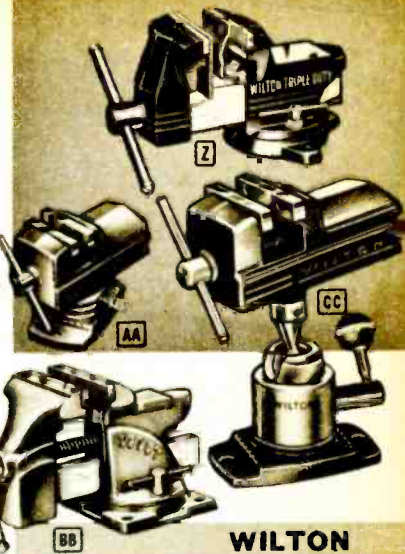
46 N 064. NET 8.90

T BRINK & COTTON NO. 149 VISE. Clamps to any bench up to 2" thick. Jaws open to 1 1/2". 2 1/2 lbs.

46 N 015. NET 1.50

W 9" SCRIBER. Two-point machinist's scriber, knurled finger-hold. 3 oz.

50 N 309. NET 44c



WILTON

X EXACT MODEL A-9 ALUMINUM "HANDYLEVEL". For the professional craftsman and home hobbyists. 3 indicators for vertical, horizontal, and 45° use. Grooved base. 9x1 3/8x3/4". 8 oz.

50 N 440. NET 1.50

Y LUFKIN WHITE-CLAD TAPE. Accurate 50-ft. steel tape. Has highly legible jet-black figures and graduations on snow-white background. Hard, triple-baked finish. Hook ring for "walk-away" measuring. Folding flush handle. Vinyl-covered steel case. 1 lb.

50 N 184. List, \$5.49. NET 3.67

50 N 185. As above, 100 ft, 2 lbs. NET 5.00

WILTON VISES

Z MODEL 665A VISE. Three vises in one—woodworking, metalworking and pipe vise. Removable fiberboard jaw faces clamp wood without marring. 5" wide steel jaws provide powerful grip for metal jobs. Pipe jaws hold pipes of 1/4" to 2 1/2" dia. Jaws are 3 1/4" deep. Max. jaw opening, 5 1/2". Swivel base. 35 lbs.

46 NU 953. List \$24.30. NET 16.20

AA MODEL 1125. Removable steel jaws open to a maximum of 2 1/2"; jaw width, 2 1/2". Swivel base. 5 1/2 lbs.

46 N 896. List, \$5.30. NET 3.67

BB MODEL C53 1/2. Economy 3 1/2" jaw vise. Features removable steel insert jaws, built-in pipe jaws, precision-machined screw. Swivel base allows unit to be swung instantly to any desired position. Base locks securely in place. Large anvil with forming horn. 12 lbs.

50 N 487. List, \$9.90. NET 5.30

MODEL C54. As above, 4" jaw. 15 lbs.

50 N 488. List, \$11.60. NET 6.25

MODEL C55. Same as C53 1/2 above, but 4 1/2" jaw width. Wt. 19 lbs.

50 N 489. List, \$13.60. NET 7.30

CC MODEL 364 VISE AND POSITIONER. Ruggedly-built utility vise mounted on famous PowRarm positioner. Excellent combination for work on small electronic assemblies or parts. Single-handed release of positioner level-bar permits rotating or tilting work to any desired angle. Positioner is cadmium-plated steel. Capacity, 15 lbs. Vise jaws are smooth steel. 2 1/4" wide; open to 2 1/4". Wt., 5 lbs.

50 N 149. NET 13.93

G-C "EPOX" CEMENT KIT

2-Tube \$1.91
Kit

- For Strong-As-New Repairs
- Fast, Easy to Use

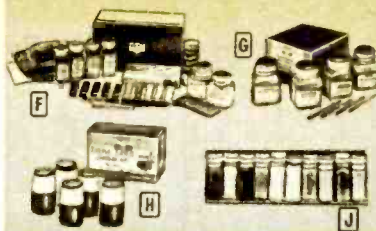
Super-strong adhesive. Excellent for cementing ceramics, metals, any non-porous materials. Resists moisture, solvents, etc. 4 oz. 50 N 574. NET 1.91



G-C Radio-TV Chemicals



An extensive listing of chemicals for simplifying servicing of radios, TV sets, record changers, tape recorders, etc. Available in sizes to meet the requirements of any service shop.



G-C MISCELLANEOUS PAINT KITS

F TYPE 901 CABINET REPAIR KIT. Includes shellac sticks, stains, varnish, polish, scratch remover, alcohol lamp, alcohol, spatula, brushes, steel wool, sandpaper, and cloth. Metal box. 3 lbs.

43 N 115 NET 6.34

G TYPE 184-0 LUMINOUS "LITE-KOAT" KIT. Long life, non-toxic coating glows in the dark. Contains powder, thinner and protective compound. 2 1/2 lbs.

43 N 111 NET 3.18

H TYPE 66-5 "DIAL-LITE" COLORING KIT. For dials, bulbs, etc. Instant drying; bright, long lasting. Kit includes: red, green, blue, amber, solvent. Bulbs may be dipped or brushed. 4 oz.

43 N 110 NET 1.20

J EIA COLOR CODING KIT. Fast-drying enamels—all 10 standard EIA Code colors. With brushes. 1 1/2 lbs.

43 N 112 NET 1.44

"LABELON" LABELING TAPES



K ACETATE "WRITE-ON-IT" TAPE. Border and writing color: *black, red, blue. 400" roll. 5 oz.

Stock No.	Mfr's Type	Width	1-11, EACH	12-23, EACH	24 or More, EACH
52 N 772	315*	5/8"	1.52	1.39	1.31
52 N 751	335*	5/8"	1.52	1.39	1.31
52 N 753	415*	1/2"	1.71	1.57	1.48
52 N 754	425*	1/2"	1.71	1.57	1.48
52 N 755	435*	1/2"	1.71	1.57	1.48
52 N 757	515*	3/8"	1.91	1.75	1.65
52 N 773	525*	3/8"	1.91	1.75	1.65
52 N 774	535*	3/8"	1.91	1.75	1.65
52 N 761	615*	3/8"	2.11	1.93	1.82

L "MYLAR" MC LABELS. Resist moisture, heat, acids, etc. 2 oz. per box.

Size	No. Per Box	Stock No.		
		Black	Red	Blue
1 1/2"	56	50 N 361	50 N 362	50 N 363
1 3/4"	100	50 N 364	50 N 365	50 N 366
1 7/8"	66	50 N 367	50 N 368	50 N 369
1 3/2"	40	50 N 370	50 N 371	50 N 372

1-11 Boxes, PER BOX 1.22
12-23 Boxes, PER BOX 1.16
24-Up Boxes, PER BOX 1.10

DEVCON ADHESIVES



LIQUID ALUMINUM. For fast repairs, just squeeze from tube. Bonds, seals, fills, mends all materials. Hardens to metal; fixes pipe, furniture, etc. 8 oz. List, 98c.
50 N 579 NET 75c

"REAL RUBBER." Seals, waterproofs, and insulates. Hundreds of uses in the shop or home. Shpg. wt., 8 oz.
50 N 578. List, 98c NET 75c

"STEEL" ADHESIVE. Paste form. Bonds metals, plastics, wood, etc. 8 oz.
50 N 580. List, 98c NET 75c

LUBRICANTS

Stock No.	Mfr's Type	Size	Shpg. Wt.	Description	NET EACH
43 N 046	65-16	16 oz.	1 1/4 lbs.	Control cleaner and lubricant	1.91
47 N 041	9402	1/4 oz.	2 oz.	Radio-TV oil; vial dispenser	.38

CEMENTS AND THINNERS

43 N 456	30-2	2 oz.	6 oz.	Radio and Speaker Service Cement	.47
43 N 166	30-8	8 oz.	1 1/4 lbs.	Radio and Speaker Service Cement	1.23
43 N 451	21-2	2 oz.	5 oz.	Radio Service Solvent	.44
43 N 163	31-8	8 oz.	1 1/4 lbs.	Radio Service Solvent	.79
43 N 296	32-2	2 oz.	6 oz.	Bakelite Cement	.68
47 N 043	32-2A	2 oz.	6 oz.	All-Purpose Plastic Cement	.47
43 N 466	35-4	4 oz.	1/2 lb.	Rubber-to-Metal and Phono Drive Cement	.78
43 N 210	43-2	2 oz.	6 oz.	"Pli-O-Bond" Plastic Cement	.52
43 N 211	43-8	8 oz.	1 1/4 lbs.	"Pli-O-Bond" Plastic Cement	1.34

CLEANERS

43 N 127	19-1	1 oz.	4 oz.	"De-Ox-Id" Contact Cleaner	.65
43 N 128	19-2	2 oz.	6 oz.	"De-Ox-Id" Contact Cleaner	.94
45 N 203	53-1	1 oz.	4 oz.	Recording Head Cleaner	.56
43 N 463	127-4	4 oz.	1/2 lb.	Contact and Crystal Cleaner	.65
43 N 160	210-2	2 oz.	6 oz.	Electronics Contact Cleaner	.53
47 N 044	211-4	4 oz.	1/2 lb.	Carbon Tetra-Chloride	.53
43 N 453	8460	2 oz.	1/2 lb.	"De-Ox-Id" Kit—Contact Cleaner	1.38

MISCELLANEOUS CHEMICALS

Stock No.	Mfr's Type	Size	Shpg. Wt.	Description	NET EACH
43 N 472	37-2	2 oz.	6 oz.	"Q-Dope" (Coil Dope)	.47
50 N 732	37-16	16 oz.	2 1/4 lbs.	"Q-Dope" (Coil Dope)	2.14
43 N 145	47-2	2 oz.	6 oz.	TV High Voltage Corona Dope	.71
43 N 474	49-2	2 oz.	6 oz.	"TV Tube Koat" (recoats picture tubes)	.71
43 N 455	50-2	2 oz.	6 oz.	"Red-X" TV High Voltage Corona Dope	.71
47 N 046	56-2	2 oz.	6 oz.	Insulating and Dipping Varnish	.53
43 N 460	90-2	2 oz.	6 oz.	Red Glyptal Insulating Varnish	.56
43 N 461	90-8	8 oz.	1 1/4 lbs.	Red Glyptal Insulating Varnish	1.62
50 N 720	161-2	2 oz.	6 oz.	Mahogany Touch Up Stain	.47
50 N 721	161-2	2 oz.	6 oz.	Walnut Touch Up Stain	.47
50 N 593	163-16	16 oz.	2 1/4 lbs.	Rubbing Oil	1.40
50 N 589	176-2	2 oz.	6 oz.	Liquid Tape	.97
47 N 048	1215	2 oz.	6 oz.	Liquid Non-Slip (drive cables, belts)	.47
43 N 009	8101	1 oz.	2 oz.	Transistor Z5 Silicone Compound	2.06

DIETZGEN SLIDE RULES

A MODEL 1734L DECIMAL TRIG-TYPE LOG LOG. Precision 10" rule. Teflon grooves permit smooth, effortless settings. Scales on one side: LL02, LL03, DF, CF, CIF, L, Cl, C, D, LL3, LL2. Other side: LL01, K, A, B, T <45, T >45, ST, S, D, DI, LL1, S, ST, T scales divided to read degrees, decimals of degrees. Leather case, instructions. Wt., 1 1/2 lb.
24 RC 637. List, \$25.50. 1-5, EA. 21.68
6-Up, EACH 20.40

24 RC 638. Model 1734. As above, but with simulated leather case. 1 1/2 lbs.
6-Up, EACH 18.00 1-5, EACH 19.13

D MODEL 12115" POCKET SLIDE RULE. Precision, easily readable pocket rule. White vinyl plastic sheet face; lucite cursor; inlaid calibrations. Scales on one side: K, A, B, Cl, C, D, L; S and T on other. Leather sheath and instructions. Shpg. wt., 5 oz.
24 RC 636. List, \$3.95. NET 2.99

B MODEL N1725L VECTOR-TYPE LOG LOG. As 1734L, left, plus Sh1, Sh2, Th scales. Leather case. 1 1/4 lbs.
24 RC 633. List, \$27.50. 1-5, EA. 23.38
6-Up, EACH 22.00
24 RC 639. Model N1725. As above, but with simul. leather case. 1 1/4 lbs.
6-Up, EACH 19.60 1-5, EACH 20.83

C MODEL 17765" POCKET SLIDE RULE. Scales: DF, CF, CIF, Cl, C, D, L, K, A, B, T, ST, S, DI. Leather case, pocket clip instructions. Wt., 5 oz.
24 RC 634. List, \$6.45. 1-5, EA. 5.48
6-Up, EACH 5.16

SLIDE RULES

E MODEL 1311 PROFESSIONAL 10" SLIDE RULE. Deluxe version of Model 1211, left. Trig and Log Log numerals in red. Scales on one side: LL01, L, K, A, B, T, ST, D and LL1. Other side: LL02, LL03, DF, CIF, Cl, C, D, LL3 and LL2. With sheath and instructions. 1 lb.
24 RC 635. List, \$13.95. NET 9.95

Selected Servicing Chemicals



A **RAPID "ELECTROPLATER."** 1 oz. cleaner, 1 oz. polish, plating compound, $\frac{3}{8}$ " brush wires and clips, polishing stick. Requires 2 # 6 1 $\frac{1}{2}$ v. cells. 1 lb.

Stock No.	Type	Compound	NET
43 N 080	200	Nickel	1.67
43 N 081	202	Cadmium	
43 N 082	204	Copper	
43 N 083	205	Brass	
43 N 084	206	Silver	2.66
43 N 085	207	24 K Gold	4.61

B **"NO NOISE" SOLUTION.** Cleans and lubricates controls, switches, etc. In 6 oz. spray can. 2 oz. bottle with dropper. Wts., can, 10 oz.; bottle, 6 oz.

43 N 142. 6 oz. NET 2.20
43 N 143. 2 oz. NET 98c

C **QUIETROLE CLEANER AND LUBRICANT.** Eliminates noises from controls, etc. Non-flammable. Wts., 2-oz. bottle, 7 oz.; 4-oz. bottle, 14 oz.

43 N 102. 2-oz. with dropper. 1.35
43 N 103. 4-oz. bottle. NET 2.03

QUIETROLE SPRAY PACK. As above, in handy spray can. 10 oz.

50 N 719 NET 2.73

D **CHEMTRONICS "NO-ARC."** High voltage insulator in a spray can. 20,000 v. breakdown. 8 fluid oz. 1 lb.

50 N 694 NET 2.79

E **INSL-X TOOL DIP.** A red liquid plastic that hardens into insulating coating when applied to handles of pliers, wrenches and other tools used in electrical work. Corrosive resistant. Dries in 24 hours. Remove cap from container and dip handle of tool into liquid; may be dipped repeatedly.

Stock No.	Contents	Shpg. Wt.	NET EACH	24-Up, EACH
42 N 400	6 oz.	10 oz.	1.25	1.12
42 N 401	32 oz.	2 $\frac{1}{4}$ lbs.	3.40	3.06

INSL-X E-26 INSULATING SPRAY. (Not illus.) Clear-plastic electrical insulation in spray-can. Use for insulating electronic components, terminals, circuit wiring and tools. Tough and durable. Has dielectric strength of 800 to 1200 volts per mil. In 12-oz. can. 1 $\frac{1}{2}$ lbs.

42 N 402. 1 to 23. NET EACH 1.19
24 or More EACH 1.07

**JET-PAK
SPRAYON
OUTFIT**

\$1.98

Sprays Paint,
Waxes, Etc.



Sprays any liquid. No cords, no hoses. Power gas cartridge. Sprays up to 32 oz. of paints, etc. Includes head assembly, 4-oz. glass jar, 15-oz. power unit. 1 $\frac{1}{2}$ lbs.

47 N 086 NET 1.98
47 N 087. 15-oz. Refill. 1 lb. 1.20
47 N 088. Extra 4-oz. Jar. NET 13c



**KRYLON
PLASTIC
and ENAMEL
SPRAYS**

CLEAR PLASTIC SPRAY. Can sprays a crystal-clear acrylic that dries in minutes. Forms hard, waterproof coating of high dielectric strength. Eliminates corona and arcing. Dielectric strength: 400 volts per mil. 16-oz. spray can. 1 $\frac{1}{2}$ lbs.

43 N 133. 1-11 NET EACH 1.27
12 or More EACH 1.17

ENAMEL SPRAYS. Attractive, non-fading. Wide variety of colors. Dry in 3 minutes. Non-clogging spray valve. 16 oz. can. Shpg. wt., 1 $\frac{1}{2}$ lbs.

No.	Color	No.	Color
43N 134	Bright Silver	43N 109	Bright Gold
43N 064	Bright Copper	43N 107	Hunter Green
43N 059	Flat White	45N 208	Surf Green
43N 137	Glossy White	43N 054	Chrome Yellow
45N 206	Antique Ivory	43N 384	Champion Blue
43N 106	Flat Black	43N 055	Regal Blue
43N 138	Glossy Black	43N 056	Cherry Red
43N 053	Light Gray	43N 044	O. D. Khaki
43N 108	Machine Gray	43N 043	Int'l Orange
45N 207	Dove Gray	43N 383	Brass

1-11, ... EACH 1.17 12-Up, ... EACH 1.07

"RUST MAGIC PRIMER" Phenolic resin, anti-rust primer. Pierces existing rust and prevents further corrosion. Dries in 20 minutes. Cover with nearly any finish. 16-oz. aerosol spray-on can. 1 $\frac{1}{2}$ lbs.

43 N 385. 1-11 NET EACH 1.17
12 or More EACH 1.07

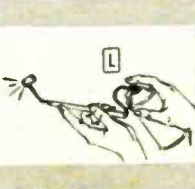
ZINC-CHROMATE PRIMERS. Metal primer dries rapidly to form a strong bond with metal. Resists peeling or cracking. Retards rust. Accepts finish coats readily. Ideal for priming metal gutters, masts, etc. 16-oz. spray can. 1 $\frac{1}{2}$ lbs.

45 N 210. Yellow Primer. NET
45 N 211. Green Primer. NET EACH 1.27
12 or More EACH 1.17

**WALSCO
PROTECTO-TUBE**

TYPE 18-K. Plastic high-voltage insulating tubing. Expanding solution swells tubing; shrinks after application. 12' of tubing, expanding solution. 12 oz.

43 N 132 NET 1.17



G-C MISCELLANEOUS PAINTS AND CHEMICALS

F **"SPRA-KOAT" WRINKLE VARNISH.** Can be air dried or baked—gives a professional-looking wrinkle finish. Makes composition board and bakelite panels look like wrinkle-finish steel panels. 16 fl. oz. In convenient spray can. 1 $\frac{1}{2}$ lbs.

Stock No.	Type	Color	1-5, EA.	16-Up, EA.
43 N 028	60-12	Black	2.20	1.98
43 N 029	60-13	Gray		

TELEPHONE BLACK AND GRAY. (Not illus.) A satin finish enamel. Black for control panels. Gray gives professional appearance to test equipment, etc. For wood or metal. 16 fl. oz. 1 $\frac{1}{2}$ lbs.

Stock No.	Type	Color	1-5, EA.	6-Up, EA.
43 N 033	62-12	Black	2.25	2.02
43 N 034	62-13	Gray		

HAMMER FINISH. (Not illus.) For applying professional hammer finish to panels and instrument cases. Moisture-proof. Air-dries quickly. 16 fl. oz. 1 $\frac{1}{2}$ lbs.

Stock No.	Type	Color	1-5, EA.	6-Up, EA.
43 N 035	83-12	Brown	2.25	2.02
43 N 036	84-12	Blue		
43 N 037	85-12	Silver		

"ZERO-MIST" SPRAY. (Not illus.) Locates intermittents caused by temperature changes. Spray suspected components one at a time—cools immediately. Pinpoints faulty capacitors. Cold solder joints, etc. 16 fl. oz. 1 $\frac{1}{2}$ lbs.

50 N 099 NET 2.37

"SPRA-KLEEN" CONTACT CLEANER. (Not illus.) Efficient cleaner—simply spray and work mechanism. 6 fl. oz. 10 oz.

43 N 025 NET 97c

G **NO. 60 "RUF-KOAT" VARNISH.** Air-drying wrinkle varnish for amplifiers, test equipment, chassis, etc. Gives a professional-looking appearance. Can be air-dried or baked.

Black	Brown	Gray	Size	Lbs.	NET
50 N 722	50 N 723	50 N 724	2 fl. oz.	$\frac{1}{4}$	.65
43 N 483	43 N 484	43 N 485	16 oz.	1 $\frac{1}{2}$	2.20

H **SILICONE RESIN SPRAY.** Forms protective coating which insulates, waterproofs, and provides barrier against dust. 6 oz. spray can. Wt., 10 oz.

43 N 027 NET 2.37

J **NO. 21 SILVER PRINTED CIRCUIT PAINT.** Use to repair or design printed circuits. 1 Troy oz. Shpg. wt., 4 oz.

43 N 159 NET 4.56

43 N 079. No. 20 Copper Paint. As above, but copper. 2 fl. oz. Wt., 4 oz. 1.40

K **GUN TYPE SPRAY CAN HANDLE.** Attaches to any spray can—converts it to a spray gun. Wt., 3 oz.

45 N 201 NET 87c

L **SPRAY CAN EXTENSION.** For directing spray. Fits any spray can. 9" long. Wt., 2 oz.

45 N 202 NET 66c

Depend on Allied for the Tools You Need

ALLIED 275

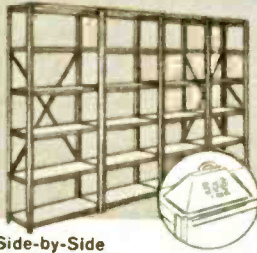
Workshop Storage Equipment, Workbench

POPULAR EDSAL WORKSHOP EQUIPMENT



As Low As
\$5.95

Use Singly
or In Rows



Units Can Be Mounted Side-by-Side
"Kwik-Klip" Shelves Hold Up to 500 Lbs.



Net **\$15.95**



Spacious
48x24"
Work Area



"No-Mar" Table
Top Withstands
Rough Usage

- 8 Square-Foot Work Area
- Large, Reinforced Pegboard Tool Rack
- Holds 2 Storage Drawers

ALL-STEEL FRAME WORK BENCH

All-steel frame hobby and work bench for the home workshop or industrial shop. Durably constructed to provide years of reliable service. Features include: 48x15" reinforced pegboard tool rack—plenty of storage space for a complete tool assortment; 48x24" table top of mar resistant 1 1/2" thick, high-impact compressed board that withstands even the roughest usage; holds two all-steel parts—storage drawers (below). Gray oven-baked enameled steel parts are rust resistant. Less drawers, below. 3 1/2" high. Shpg. wt., 83 lbs.

50 NZ 523. NET 15.95

50 NX 524. STEEL STORAGE DRAWER. For above. Size, 3x12x20". Shpg. wt., 15 lbs. NET 2.98

DELUXE HEAVY-DUTY STEEL STORAGE RACKS

Provide compact storage facilities. Units are complete and independent. Easy to assemble—bolt tops and bottoms; shelves held by unique "Kwik-Klip" fasteners. With 5 shelves; extra shelves, below. Posts punched at intervals for shelf adjustment. 75" high, 35" wide. Gray enamel finish.

88 NZ 087. With 12" Deep Shelves. 47 lbs. NET 8.95

88 NZ 088. With 18" Deep Shelves. 60 lbs. NET 11.45

88 NX 085. 12" Extra Shelf. 6 lbs. NET 1.39

88 NX 086. 18" Extra Shelf. 8 lbs. NET 1.89

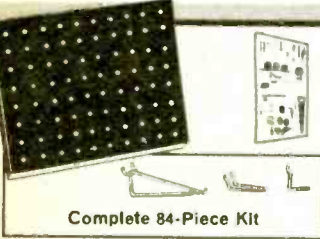
ECONOMICAL STEEL STORAGE RACKS. Low-cost shelf and rack units. Each has 5 shelves; 4-bolt construction. Shelves hold up to 275 lbs.

50 NZ 801. Type 7230. Size, 73x30x12". 23 lbs. NET 5.95

50 NZ 802. Type 7218. Size, 73x36x18". 29 lbs. NET 8.45

50 NU 803. Extra 12x30" Shelf for 7230 Unit. 3 lbs. NET 1.10

50 NU 804. Extra 18x36" Shelf for 7218 Unit. 5 lbs. NET 1.60



Complete 84-Piece Kit

DUR-O-PEG PEGBOARD KIT

NEW MODEL 1102. Provides convenient storage space for tools and parts. Four 18x24", perforated 1/2" thick hardboard panels provide 12 square ft. of storage area that can be adapted to changing needs in seconds. Kit includes: 4 panels; 6 jar holders; 4 storage jars; 3—5" double hooks; 2 small-loop hooks; 20 small straight hooks; 20 medium loop hooks; 2—8" shelf brackets; 3 large loop hooks; 3 medium straight hooks; 16 mounting screws with spacers; 1 multiple tool rack. 12 lbs.

50 NX 900. List, \$7.98. NET 4.55

HARDWARE KIT. Contains 64 hooks and fixtures listed above, less perforated panels. Shpg. wt., 4 lbs.

50 NX 901. List, \$3.95. NET 2.25

GLASS STORAGE JAR



Ideal for small parts. Metal screw cap keeps out dust. 2 1/2" high; 2" dia. 7 oz.

44 N 500. EACH 6c
12 or More, EACH 5c



Equipto No. 11 Cabinet



Dixie Interlocking Aluminum Drawers



Vis-a-Part Rack

EQUIPTO STORAGE CABINETS

NO. 11 18-DRAWER CABINET. Ideal for storing small parts in easily accessible order. Each drawer is equipped with two removable cross-dividers—adjustable to any 1" interval of drawer length. Jam-proof drawers have large handles. Instant-visibility label holders on drawers and dividers. Heavy-duty all-steel frame. Olive-green finish. Drawer size, 3 1/2 x 5 1/2 x 11". Overall size, 13 1/2 x 34 x 12". May be stacked. 62 lbs.

86 NZ 011. NET 28.95

86 NZ 099. No. 22—18-Drawer Cabinet. As above, but 18" deep. 3 1/2 x 5 1/2 x 17" drawers. 95 lbs. NET 37.90

86 NU 012. No. 8—8-Drawer Cabinet. As above, but eight 3 1/2 x 5 1/2 x 11" drawers. Shpg. wt., 95 lbs. NET 15.95

86 N 869. 8505 Drawer. As in cabinets No. 11 and 8. Less dividers, below. Shpg. wt., 2 1/2 lbs. NET 90c

86 N 871. 8711 Lengthwise Dividers. For above except No. 22 cabinet. Shpg. wt., 9 oz. 5 per pkg. PER PACKAGE 1.00

86 N 872. 8720 Cross Dividers. For all above cabinets. Shpg. wt., 6 oz. 5 per package. PER PACKAGE 75c

DIXIE INTERLOCKING DRAWERS

Economical aluminum storage trays provide excellent storage for a wide variety of radio and TV small parts and hardware. Lock together on tops, bottoms, and sides. Drawer dividers (below) may be added to make individual storage compartments. Size, 2 1/2 x 2 1/2 x 5". 10 oz.

86 N 023. 1-9, EACH 46c
10 or More, EACH 38c

DRAWER DIVIDERS. For Dixie drawers, above. 4 oz. 3 per package.

86 N 179. PER PACKAGE 10c

VIS-A-PART STORAGE RACKS

Ideal low-cost storage for screws, nails, resistors, capacitors, any other small parts. Contents always visible, yet remain clean, dry. Jars slide out easily, already open. Masonite board has 4 mtg. holes.

Stock No.	Type	Size	Lbs.	NET
86 NX 246	12-Jar	8 1/2 x 18"	4 1/2	1.91
86 NX 245	24-Jar	18 x 18"	9	3.53

REPLACEMENT JARS. 2 oz.
46 N 207. NET EACH 8c

HOLDER CUPS. Same as jar holders in Vis-A-Part boards above. 2 oz. Pkg. of 2.
46 N 204. NET PER PACKAGE 20c

Parts Cabinets and Tool Storage Chests

AKRO-MILLS SMALL-PARTS CABINETS



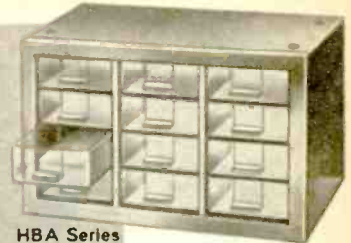
HB Series



J Series



M4B Series



HBA Series

"Handy-Bin"
Utility Cabinets

HB-SERIES CABINETS

Compact "Handy-Bin" plastic cabinets. See-thru, spillproof styrene plastic drawers, 1 1/2 x 2 1/2 x 5/8". Each drawer has one divider and index labels. Styled in beige colored frames. All are 9 1/2" wide, 6 1/2" deep.

Stock No.	Type	Drawers	Ht.	Lbs.	NET
86 N 262	9HB	9	5"	2	1.99
86 N X 225	15HB	15	7 1/2"	4	2.99
86 N X 234	21HB	21	10 1/2"	6	3.99

J-SERIES CABINETS

Space-conserving deluxe steel cabinets. Stand, stack or hang on wall. Clear plastic drawers, 1 1/2 x 2 1/2 x 5/8", are separated into 3 sections by removable dividers. With index labels. Gray hammertone finish. All are 6" deep.

Stock No.	Type	Drawers	H&W	Lbs.	NET
86 NX 048	J-32	32	15 1/2 x 12 1/2"	13	11.98
50 NX 902	J-48	48	22 1/2 x 12 1/2"	20	18.98
89 NZ 080	J-128	128	30 3/4 x 12 1/2"	51	52.98

HBA "HANDY-BIN" CABINETS

Rugged welded steel frame cabinets. Provide convenient and economical storage for small parts and supplies. Clear styrene plastic drawers are 2 1/2 x 5 1/2 x 1 1/2"; have adjustable divider that locks tightly in place; safety tab that prevents accidental spilling. Stack neatly and securely, may be hung on the wall. Baked-on silver-gray hammertone finish won't chip or rub off. With labels and one divider per drawer. All are 6" deep.

Stock No.	Type	Drawers	HxW	Lbs.	NET
88 NX 081	12HBA	12	6 1/2 x 10"	4	2.99
88 NX 082	18HBA	18	9 x 10"	5 1/2	3.99
88 NX 083	24HBA	24	9 x 13"	7	5.33

M4B-SERIES METAL SMALL-PARTS CABINETS

Features large 2x11x4" plastic drawers; snap-in dividers; index labels. Gray finish cabinets; 17 1/2" wide, 11" deep.

Stock No.	Type	Drawers	Ht.	Lbs.	NET
86 NX 598	M4B16	16	11 1/2"	18	20.98
86 NX 599	M4B24	24	16 1/2"	25	31.98
86 NX 623	M4B40	40	27 1/2"	47	52.98

UNION STEEL CHESTS



6119



410



4313



5413



5414

6119 "SUPER STEEL" CHEST

Sturdy steel chest with 3-compartment removable tray. Has 2 heavy-duty drawbolts plus center padlock eye. Continuous hinge welded to cover and case. Carefully balanced with steel handle for easy carrying. Blue enamel interior; silver-gray hammertone exterior. 7x19x7". 8 lbs.

86 NX 017.....NET 5.45

86 NX 018. Type 6116. Above, with 2 compartments. 7x16x7". 7 lbs.NET 5.10

410 4-DRAWER STEEL CHEST

Rugged all-steel chest. Four easy-slide drawers. 2x9x11 1/2", have label holders and removable dividers to make up to 12 compartments per drawer. Silver finish. 10x10x11 1/2". 10 1/2 lbs.

86 NX 019.....NET 5.25

4313 ALL-PURPOSE CHEST

A low-cost steel chest with a single-cantilever 3-compartment tray. Has full-drawn leakproof seamless body and snap catch with provision for padlock. Hardware fittings are machine riveted. Has 12" rule embossed in cover. Blue enamel finish. 4 1/2 x 13 1/2 x 6 1/2". Wt., 2 1/2 lbs.

91 NX 234.....NET 1.40

91 NX 233. Type 4013. As above, but without tray. Wt., 2 lbs.NET 1.15

5413 2-TRAY UTILITY CHEST

Maximum-capacity utility chest at low cost. Has 5 compartments in upper tray; plain lower tray, spill-proof drawbolt, seamless construction, returned edges, embossed 12" rule, etc. Green baked enamel. 6 1/2 x 13 1/2 x 6 1/2". 2 lbs.

91 NX 232.....NET 2.60

5414 "WATERTITE" CHEST

A ruggedly constructed tool chest featuring 2 cantilever-mounted trays and Union's famous watertight design. Extra-large tray capacity. Push-button self-latching drawbolt. Upper tray has 7 compartments; lower tray contains one full length, one 1/2 length and 2 smaller compartments. Full grip steel handle. Green enamel finish. Size, 7x14 1/2 x 7 1/2". Shpg. wt., 5 lbs.

86 NX 045.....NET 3.40

5419 DELUXE CHEST

(Not Illus.) Similar to Type 5414 above, but larger in size. 19" long with 9 sections in upper tray, 6 sections in lower tray. Virtually spillproof. Size, 7x19x7 1/2". Shpg. wt., 7 lbs.

86 NX 154.....NET 4.25

VLCHEK CLEAR PLASTIC STORAGE BOXES



Rugged all-plastic hinged-top storage boxes with from 1 to 24 compartments. Ideal for storing small parts, resistors, capacitors, fuses, hardware, etc. Boxes are light, rigid, strong, scratch-resistant and easy to clean. Type P250 has removable cover. *Indicates total number of compartments.

Stock No.	Mfr's Type	*Comp	Size of Compartments	Overall Size, H.W.D.	Wt., Lbs.	NET EACH
44 N 362	P250	1	5 1/2 x 3 1/2"	6 1/4 x 4 x 1 1/2"	1/2	.38
44 N 363	P221	4	1 1/2 x 2 1/2"	4 1/2 x 3 x 1 1/2"	1/2	.22
44 N 356	P212	5	4 - 1 1/2 x 2 1/2"; 1 - 1 1/2 x 3 1/2"	7 x 3 1/2 x 1 1/2"	1/2	.37
44 N 357	P203	6	1 1/2 x 3 1/2"	8 1/4 x 4 1/2 x 1 1/2"	1/2	.51
44 N 355	P210	9	8 - 1 1/2 x 1 1/2"; 1 - 1 1/2 x 3 1/2"	7 x 3 1/2 x 1 1/2"	1/2	.37
44 N 358	P201	12	6 - 1 1/2 x 1 1/2"; 4 - 1 1/2 x 2"; 2 - 1 1/2 x 3 1/2"	8 1/4 x 4 1/2 x 1 1/2"	1/2	.51
44 N 354	P612	12	6 - 1 1/2 x 1 1/2"; 6 - 1 1/2 x 4"	11 x 6 1/2 x 1 1/2"	1 1/2	1.22
44 N 366	P200	18	1 1/2 x 1 1/2"	8 1/4 x 4 1/2 x 1 1/2"	1/2	.51
44 N 367	P618	18	1 1/2 x 1 1/2"	11 x 6 1/2 x 1 1/2"	1 1/4	1.28
50 N 614	P818	18	12 - 2 x 2"; 6 - 2 x 4 1/2"	13 1/4 x 9 x 2 1/4"	2	1.95
50 N 615	P824	24	2 x 2"	13 1/4 x 9 x 2 1/4"	2	2.03

It's Easy to Learn the Code With These Low-Cost Aids!



RIDER "Sight 'N' Sound" Code Course

Based on latest teaching concepts—your advance in steps of one-wpm per day!

REC-08 NOVICE COURSE. (0-8 wpm). 3 LP records, 47 cards, and book. Wt., 2 lbs.
89 S 558. NET 9.50

REC-920 ADVANCED COURSE. (0-20 wpm). 3—10" LP records, cards, book. Wt., 2 lbs.
89 S 564. NET 8.95

REC-020 COMPLETE COURSE. (0-20 wpm). 6—10" LP records, cards, book. Wt., 8 lbs.
89 S 565. NET 15.95



ALLIED CODE COURSES

COMPLETE 10-LESSON CODE COURSE ON SINGLE 12", 33 1/2 RPM RECORD. Learn to send and receive in order to pass Novice or General Class Amateur examinations—with this single record. Has 5 lessons per side; takes you from start up to 15 wpm. Back of record jacket contains International Morse Code table. Includes 20-page Allied Instruction book. Shpg. wt., 1 lb.
89 S 573. NET 4.49

ALLIED'S 5-RECORD CODE COURSE. "Eye-Ear" method of learning code at home. Eye follows the letters as the ear hears the sounds. Five 10", 78 rpm records recorded on each side. From 2 to 15 wpm in 10 lessons. Comes complete with album and Allied instruction book. Shpg. wt., 6 lbs.
89 S 585. NET 5.95



AMECO CODE COURSES

JUNIOR COURSE: five 45 or 78-rpm records or one 33 1/2 LP; from start to 7 1/2 wpm. ADVANCED: six 45 or 78-rpm records or one 33 1/2 LP; 8 1/2 to 18 wpm. SENIOR: eleven 45 or 78-rpm records or two 33 1/2 LP's; from start to 18 wpm. All courses include 28-page manual with FCC-type exams.

Stock No.	Course	Speed	Wt.	NET
89 S 590	Junior	78 rpm	4 lbs.	6.95
89 S 591	Junior	45 rpm	1 1/2 lbs.	5.95
89 S 592	Junior	33 1/2 rpm	1 lb.	4.95
89 S 593	Advanced	78 rpm	4 lbs.	5.95
89 S 594	Advanced	45 rpm	1 1/2 lbs.	4.95
89 S 596	Advanced	33 1/2 rpm	1 lb.	4.95
89 S 598	Senior	78 rpm	7 lbs.	11.50
89 S 616	Senior	45 rpm	4 lbs.	10.50
89 S 617	Senior	33 1/2 rpm	2 lbs.	9.50

NEW



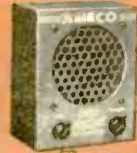
A 562-B



B CPO-155T



C 3022



D CPS-WT



E CPO-128B

EICO CODE OSCILLATOR

New Model 706 portable transistor unit has speaker, adjustable pitch, phone jack.

choice of tone/flashing light/both. 6 1/2 x 3 3/4 x 2 1/2". With battery, 2 lbs.
89 S 621. Factory Wired. NET 12.95
89 S 627. Kit Form NET 8.95

CODE PRACTICE OSCILLATORS AND KEYING MONITORS

BUD MODEL CPO-155T TRANSISTORIZED CODE PRACTICE OSCILLATOR AND MONITOR. A low-cost unit for use with headphones. Lightweight and compact in size—only 1 1/4 x 4 1/2 x 2 1/4". Requires 2 penlight batteries, below. Wt., 2 lbs.
89 S 629. NET 5.76
55 J 340. PENLIGHT CELL. 2 oz. EACH 10c

GONSET MODEL 3022 "MONITONE" KEYING MONITOR AND CODE PRACTICE OSCILLATOR. Learn the code with this inexpensive unit—then use it to monitor your sending after you get your Ham license! Monitor-oscillator unit has built-in speaker, provision for headphones, separate tone and volume controls. Uses RF pickup link placed near transmitter's final tank coil to monitor transmitter keying. Case size is just 6 x 7 x 8". For 110-120 volts, AC or DC. Wt., 4 lbs.
89 S 718. \$5 Monthly NET 32.80

AMECO MODEL CPS-WT CODE PRACTICE OSCILLATOR. Deluxe oscillator has 4" PM speaker for loud, clear tone; click filter. Doubles as keying monitor. Size, 6 1/2 x 5 x 3 1/2". For operation from 110-120 volts, AC or DC. Shpg. wt., 3 lbs.
89 S 722. NET 14.95

BUD MODEL CPO-128B "CODEMASTER." May be used as CW monitor. Has 4" PM speaker; volume and pitch controls. External speaker may be plugged into built-in headphone jack. Several headphones and keys may be paralleled for group code instruction. Size, 6 1/2 x 5 x 3 1/4". For 110-120 volts, AC or DC. Shpg. wt., 5 lbs.
89 S 901. NET 18.75

41 M 641. STD. PHONE PLUG. For attaching keys and headphones to above. 3 oz. NET 45c
48 W 805. CABLE. Extension cord for keys. Shpg. wt., 2 oz. NET PER FOOT 2 1/2c

CODE PRACTICE SETS AND ACCESSORIES

DOW-KEY "KEY-MUNICATOR" CODE PRACTICE SET. Practice set of unusual quality, efficiency and durability. Two or more can be wired together (with any 2-conductor cable) to form a private telegraph line—can be miles apart. Has built-in translator oscillator. Supplied with key on 9x12" board that lists code, earphone, message pad, and batteries. Wt., 2 lbs.
89 S 902. NET 9.95

JOHNSON MODEL 114-310 STANDARD KEY. A top-quality, moderately priced key fine for both beginner and experienced operator. "Cushion contact" design offers smooth keying action. Heavy die-cast base is finished in black wrinkle enamel. All mechanical parts are nickel-plated. 1/2" silver contacts. Adjustable tension, contact spacing and bearings. Wt., 2 lbs.
89 S 903. NET 3.25

JOHNSON MODEL 114-300 PRACTICE KEY. Low-cost general-purpose key. Brown phenolic base and knob. Adjustable key arm, spring and bearings—easily adjusted tension and contact spacing. 1/2" silver contacts. With code card. 8 oz.
89 S 904. NET 2.25

JOHNSON MODEL 114-450 BUZZER CODE PRACTICE SET. Consists of key and constant high-frequency buzzer on brown bakelite base. Silver contacts. Can be used singly or in pairs. Requires 2—1 1/2 v. batteries. Wt., 2 lbs.
89 S 910. NET 4.95

JOHNSON MODEL 114-400 BUZZER. High-frequency buzzer alone (as used on set above). Use with any hand key. Provides enough volume for several listeners. Screw adjustment varies tone. Requires 2—1 1/2 v. batteries. Wt., 5 oz.
89 S 911. NET 1.85



F Net \$9.95



MARSAN CLOSED CIRCUIT TV COMPONENTS



Monitor

Camera

MODEL TM-8 8" VIDEO MONITOR

High-quality unit for use with TC-2 TV camera, at right. Utilizes 8" rectangular aluminized 90° kinescope. Contains horizontal and vertical sweep circuits, high and low-voltage power supply. Requires video sync input of -0.3 to -2.5 v. peak-to-peak through rear-panel SO-239 connectors (2 bridged). Video response: 600 lines (8 mc \pm 1 db. High voltage: 14 kv. Front Panel Controls: On/Off-Brightness, Contrast, Horiz. Hold, Vert. Hold, Height, Vert. Linearity. Rear Panel Controls: Horiz. Drive, Horiz. Stability. Centering control on yoke. Fused. Metal case, 8 $\frac{1}{2}$ "x10 $\frac{1}{2}$ "x10 $\frac{1}{2}$ " with knobs. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 20 lbs.

89 SU 057-J. \$10 Monthly. NET 189.00

MODEL TC-2 TV CAMERA

New, low-cost, completely self-contained portable TV camera. Finds many uses in schools, factories, warehouses, banks, hospitals, homes, etc. Provides excellent resolution, has high light sensitivity. Transmits picture to any TV set, monitor such as TM-2 Monitor at left, or master TV cable system. Provides crisp, clear images of any object or scene.

Produces tunable RF output on Channels 2 to 6 as well as video signal output. Features automatic light level compensation circuit. Has resolution of 400 lines on video output and 300 lines on rf output. Hand-wired chassis utilizes six tubes. Output: RF channels, 0.1 volt; video, 1.5 volts peak-to-peak. Lens is 48-mm coated f 1.9, auxiliary lenses listed below. Compact, only 6 $\frac{1}{4}$ "x4 $\frac{1}{2}$ "x10". For 110-120 v., 50-60 cycle AC. 14 lbs.

89 SC 058-J. \$20 Monthly. NET 449.00

89 SX 060. Model P-1 Tripod. Three sections, opens to 70", closes to 27". Has elevator, pan head, quick-release nylon locks, no-slip rubber tips. Gray finish. 10 lbs. NET 17.95

89 SX 061-J. W-1 Wall Mount. With pan head. 5 lbs. NET 14.95

89 SC 062-J. 15-mm Coated F 1.9 Lens. 1 lb. NET 41.25

89 SC 063-J. 25-mm Coated F 1.9 Lens. 1 lb. NET 29.25

89 SC 064-J. 3" 75-mm Coated F 1.9 Lens. 1 lb. NET 37.50

89 SC 065-J. 6" 150-mm Coated F 3.5 Lens. 1 lb. NET 67.50

INDUSTRIAL, PUBLIC SAFETY, AND AIRCRAFT RECEIVERS

FM MONITORADIO



MR-10 (152-175 MC)
MR-33 (30-50 MC)



M-40 (30-50 MC)
M-160 (152-174 MC)



PR-35 (30-50 MC)
PR-155 (152-174 MC)



DR-200 (30-50
AND 152-174 MC)

MODELS MR-10 and MR-33. Monitor 152-174 and 30-50 mc bands. Adjustable squelch, 5" speaker, 4 μ v. sensitivity. 7 tubes, 6X4 rectifier. 7 $\frac{1}{2}$ "x11 $\frac{1}{2}$ "x6 $\frac{1}{2}$ ". For 110-120 VAC. 18 lbs.

90 SX 667-J. MR-10. 152-174 mc. NET

90 SX 668-J. MR-33. 30-50 mc EACH 72.50

MOBILE MODELS M-40 and M-160. For 30-50 and 152-174 mc. Tuned RF stage, 4" speaker, squelch. 4 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x8 $\frac{3}{4}$ ". For 12 v. DC only. Wt., 12 lbs.

90 S 669-J. M-40. 30-50 mc. NET

90 S 670-J. M-160. 152-174mc. EACH 103.55

Crystal-controlled Models MRC-10 and MRC-30 at \$79.95, and Models MC-40 and MC-160 at \$122.95 available on special order. Specify frequency desired.

MODEL PR-35. Moderately-priced FM receiver for the 30-50 mc range. Features a temperature compensated superhet circuit for drift-free reception. Ratio detector circuit minimizes noise under "no signal" conditions. Provides 100 kc selectivity with 10 μ v sensitivity. 4" PM speaker. 5 tubes plus rectifier. Plastic cabinet. 6x9 $\frac{1}{2}$ "x5 $\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC, or DC. Shpg. wt., 6 lbs.

90 S 664-J. NET 54.40

90 S 665-J. PR-155. 152-174 mc. 54.40

MODEL DR-200 2-BAND FM RECEIVER. Frequency ranges: 30-50 mc and 152-174 mc. Dual-conversion; provision for one crystal-controlled frequency in each range (less crystals). Has squelch. Sensitivity for 20 db quieting: 30-50 mc, 1 μ v; 152-174 mc, 2 μ v. 14 tubes; 5Y3GT rect. 8x14 $\frac{1}{2}$ "x9 $\frac{1}{2}$ ". Less speaker (below). For 115 VAC. 21 lbs. Crystals available on special order for \$11.95 each. Specify frequency. Allow 3 weeks for delivery.

90 SU 666-J. NET 169.50

RECEIVER ACCESSORIES

MODEL M-20 WINDOW MAST ANTENNA. Whip for DR-200 and MR-33 receivers (above) in 30-to-50 mc range. 96" telescoping brass assembly having 90° mounting adjustment for window sill or vertical surface. With mtg. bracket. Shpg. wt., 2 $\frac{1}{4}$ lbs.

90 SX 671-J. NET 7.35

MODEL DRS-1 METAL-ENCLOSED 6" SPEAKER. For DR-200. Size, 8x7 $\frac{1}{2}$ "x7 $\frac{1}{2}$ ". Shpg. wt., 6 lbs.

90 SU 672-J. NET 14.95

MODEL M-7A GROUND-PLANE ANTENNA. With 4 radials. For 152-174 mc. Shpg. wt., 1 lb.

90 SX 673-J. NET 5.29

HALLICRAFTERS CRX-2 FM MONITOR RECEIVER. Receives 151-174-mc split-channel NBFM communications. Triple conversion 10-tube circuit. Vernier tuning or 2 fixed channels (less crystals). 1.5 μ v. sensitivity. Built-in speaker. 5 $\frac{1}{2}$ "x13 $\frac{1}{2}$ "x8 $\frac{3}{4}$ ". For 110-120 v., 50-60 cycle AC. 15 lbs.

90 SX 674-J. \$5 Monthly. NET 109.95

90 SX 675-J. CRX-1. Above, for 30-50 mc. 9 tubes. NET 99.95

90 SX 676-J. CRX-3. AM Aircraft Monitor Receiver. As above, for 108-135 mc band. Dual conversion. 7 tubes. NET 94.95

GONSET 3156-B AIRCRAFT MONITOR. Receives 108-135 mc AM communications. Features variable squelch, AGC, and noise limiter. Has built-in speaker, external speaker output, muting contacts. 8 tubes plus rectifier. 4 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x10". For 110-120 v., 50-60 cycle AC. 11 lbs.

90 SU 677-J. \$7 Monthly. NET 119.95

GONSET 3156-B
(108-135 MC)



CRX-1 (30-50 MC)
CRX-2 (151-174 MC)
CRX-3 (108-135 MC)



ALLIED

... OUR 42nd YEAR OF SERVICE
TO RADIO AMATEURS EVERYWHERE

KING-SIZE TRADES. We specialize in giant trades, so why not modernize your station? Write today—describe your trade-in and tell us what gear you need. You'll get a terrific deal at Allied!

EASY TERMS. With our Credit Fund Plan, you own any gear you need right away... for no money down, low monthly payments, and up to 24 months to pay. You get more buying power, too!

FREE HOME TRIAL. Try out any new equipment in your home. Then, if you're not fully satisfied, return it to us. We'll promptly refund the purchase price, less only transportation charges.

Selecting a Communications Receiver

Receivers are classified into two groups: (1) *General-Coverage* types tuning the broadcast band and shortwave, including Ham bands

(some also tune longwave); (2) *Amateur* types covering Ham bands only. Two stars, ★★, indicate General-Coverage; one ★, Ham types.

FAMOUS Hallicrafters EQUIPMENT



NO MONEY
DOWN

150 Watts PEP
Input on 80
Through 10—
41 Transistors
Plus 3 Tubes
and 49 Diodes

MODEL FPM-200 SSB TRANSCEIVER

A genuine advancement in transistorized communications equipment! The compact, 24½-lb. FPM-200 operates on all bands from 80 through 10 meters on SSB, CW or AM. 41 transistors, 49 diodes and 3 tubes; receiver and low-level transmitter circuits are fully transistorized. Tubes: 12BY7 driver and 2-6146s final. Has 2 separate PTO's—selector switch permits instant choice of independent or simultaneous tracking frequency control. Designed for fixed, portable and mobile

work, also features: linear calibrations accurate to 1 kc; 100-kc calibrator; CW monitor; USB/LSB selection; plug-in modular construction; crystal filters for maximum receiver selectivity and unwanted sideband suppression; 1 µv receiver sensitivity; many other highlights. With separate AC power supply (not illus.), 5x7x11", that contains speaker, key jack. Transceiver, 5x16x11". For 105-125 v., AC or 12 v. DC. Wt., 62 lbs.

90 SZ 063J. No Money Down.....NET 2650.00



★ SX-115 RECEIVER

A precision triple-conversion receiver for superb reception of Amateur SSB, CW and AM signals. Band-pass filter front end offers equivalent of 4 tuned circuits before 1st mixer for splendid "out-of-band" rejection; spurious signal and image rejection are 60 db. Covers 5 Ham bands and WWV in these segments: 3.5-4.0; 7.0-7.5; 14.0-14.5; 21.0-21.5; 28.0-28.5; 29.5-29.0; 29.0-29.5; 29.5-30.0; 9.5-10.0 mc. 1st and 3rd converters are crystal controlled. Selectivity variable in 5 steps from 500-5000 cps. Sensitivity, less than ½ µv on SSB/CW. Has separate ANL for SSB/CW and AM; product detector for SSB/CW; linear tuning with 1-kc calibrations; dual loop AVC; USB/LSB selection; transmitter-type VFO; 100-kc calibrator; etc. 10½x16x16". Less speaker (right, below). For 105-125 v., 50-60 cycle AC. Wt., 47 lbs.

90 SZ 031J. \$25 Monthly.....NET 599.50



COMPLETE PERFORMANCE-MATCHED SSB/CW/AM STATION

★ SX-101A SSB RECEIVER

Deluxe dual-conversion receiver offering excellent mechanical and electrical stability, 1 µv sensitivity throughout, and 5 steps of selectivity from 500 to 5000 cps. Ranges are 3.5-4.0, 7.0-7.5, 14.0-14.4, 21.0-21.5, 28.0-30.0 mc—all Ham bands from 80 through 10 meters, and 10-mc position for WWV. Dial also calibrated for 6 and 2 meters; requires 6 or 2-meter converter with 30-34 mc output. Dual-scale illuminated S meter, with zero point independent of sensitivity control, functions with AVC off. Individually lighted band-in-use scales.

Also includes: upper and lower sideband selection; crystal-controlled 2nd conversion oscillators; separate AM and SSB/CW detectors; Tee-notch filter; built-in 100-kc marker crystal; direct-coupled series noise limiter; 40-to-1 tuning knob ratio; band-to-band gain equalization; fast and slow AVC switch; antenna trimmer; and many other extras. IFs are 1650 and 50.5 kc. Has 13 tubes; rectifier and VR tube. Rugged steel cabinet, 10½x20x16". Less speaker (see R-47 and R-48 on opposite page). For 105-125 v., 50-60 cycle AC. Wt., 75 lbs.

90 SZ 032J. \$20 Monthly.....NET 445.00

HT-32B TRANSMITTER

An extremely efficient and versatile table-top transmitter-exciter for SSB, CW and AM operation on 80, 40, 20, 15 and 10 meters. Incorporates 2 special SSB generation techniques: beam-deflection high-level modulator for low-noise, high-stability signal; exclusive 5-mc quartz crystal filter with unwanted sideband rejection of 50 db or more. Gear-driven CTO permits direct reading of frequency within 1 kc. Two 6146 tubes in final run up to 144 watts input (PEP two-tone). Both sidebands are transmitted on AM. Distortion products, at least 30 db down; carrier suppression, 50 db down.

Clean keying system for break-in CW, push-to-talk and full voice control system built-in. Logarithmic panel meter permits accurate tuning and carrier level adjustment. Also has separate phone patch input, 52-ohm pi-network output. Hallicrafters exclusive sideband selection, and rear-chassis jack for RTTY frequency-shift keying circuit. In ruggedly designed gray and black steel cabinet with brushed chrome trim. Size, 10½x20x16". For 105-125 v., 50-60 cycle AC. Shpg. wt., 86 lbs.

90 SZ 033J. No Money Down.....NET 725.00

HT-33B LINEAR AMPLIFIER

Run the maximum legal input with this conservatively rated 1-kw linear amplifier. A matching unit for the HT-32B at left, the HT-33B gives you reliable band-switched coverage of the 80 through 10-meter Ham bands. Employs a single PL-172 pentode tube in "zero drive" Class AB₁ operation for extended tube life and trouble-free service. Panel meters for RF output and cathode current permit instant, fast and precise tuning. Variable pi-network loading for maximum harmonic suppression. 3rd and 5th order distortion products are down 30 db or more.

Stable passive grid input circuit matches 50 to 75 ohms and requires no grid tuning or neutralization—use with any 100-watt exciter. Built-in power supply has exceptional regulation; screen voltage is controlled by six OA2 regulator tubes; variable bias supply has front-panel control for maintaining proper idling current. Filament, bias and blower circuits, and PL-172 screen are fused. Circuit breaker protects high-voltage supply. Octal plug to apply cut-off bias. Steel cabinet, 10½x20x16". For 105-125 v., 50-60 cycle AC. Wt., 130 lbs.

90 SZ 034J. No Money Down.....NET 995.00

280 Outfit Your Entire Amateur Station on Our Credit Fund Plan

New Ideas in Communications Are Born at . . . Hallicrafters

POPULAR MODEL HT-37 SSB/CW/AM TRANSMITTER

A carefully designed, moderately priced transmitter that brings SSB within everyone's reach. Offers 70 to 100 watts PEP output on SSB and CW, and 17-25 watts output on AM. Retains the characteristics which made its "big brother"—the HT-32A—famous. Covers the 30 through 10-meter bands. Includes: high stability VFO; sideband suppression of 40 db at 1000 cps; calibration system permitting instant CW CAL from any transmission mode; full VOX; 2- ϵ 146 in final; ideal CW keying; dual-range meter; 52-ohm pi-network output. Size, 9 $\frac{1}{2}$ "x17 $\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Wt., 82 lbs.
90 SZ 035J. \$21 Monthly. NET 495.00



SSB/CW/AM on 5 Bands at Low Cost



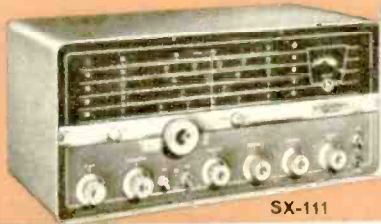
HT-37

COMPLETE ECONOMY SSB STATION



VHF CONVERTERS

MODEL HA-5 TRANSVERTER. Easily converts your present 10-meter SSB, AM or CW equipment to transmit/receive on 6 meters. Can be driven by 10 to 100-watt excitors; has 5894 final for 50 watts PEP output, 12.5 watts AM output. Nuvistor in receiver front end for excellent noise and sensitivity figures. (Built-in coaxial antenna relay. Less power supply, below, 8 $\frac{1}{2}$ "x7 $\frac{1}{2}$ ". Wt., 23 lbs.)
90 SU 040J. \$17 Monthly. NET 349.50
MODEL HA-2. Above, for 2 meters. 23 lbs.
90 SU 050J. \$17 Monthly. NET 349.50
MODEL P-26. Power supply for HA-2/HA-6. 7 $\frac{1}{2}$ "x8 $\frac{1}{2}$ ". 105-125 v., 60 cycle AC. 29 lbs.
90 SU 056J. \$5 Monthly. NET 99.50



SX-111

★SX-111 RECEIVER

An outstanding SSB/CW/AM dual-conversion selectable-sideband receiver with the performance characteristics of the renowned SX-101. Covers 80 through 10-meter Ham bands in 5 bands, with 6th band tunable to 10 mc for WWV. Features high stability; 1- μ v sensitivity; 5 steps of selectivity from 500 to 5000 cps; crystal-controlled 2nd conversion oscillator; separate detectors for SSB/CW and AM; Tee-notch filter; built-in 100- μ c crystal calibrator; 48:1 tuning ratio; S meter. With 12 tubes plus VR tube and rectifier. 8 $\frac{1}{2}$ "x18 $\frac{1}{2}$ "x11". Less speaker (see R-47 and R-48 below). For 105-125 v., 50-60 cycle AC. Wt., 42 lbs.
90 SU 038J. \$14 Monthly. NET 279.50



HT-41

HT-41 LINEAR AMPLIFIER

Beautifully engineered linear at a modest price—a fine companion for the HT-37 (left, above), or can be driven by any SSB exciter delivering 20 to 100 watts. Provides bandwidth coverage of 80 through 10 meters. SSB power input is 1000 watts PEP through 20 meters, slightly less on 10 meters. AM phone input, 300 w.; CW input, 800 w. Uses grounded-grid Class B amplifier with 2-7094 tetrode tubes. Has adjustable pi-network, RF output meter for easy tuning, standby bias supply, overload protection, blower and built-in power supply. Cost: input/output: 40-75 ohms. 9 $\frac{1}{2}$ "x17 $\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Wt., 97 lbs.
90 SZ 039J. \$18 Monthly. NET 395.00



★★ SX-100 RECEIVER

Popular dual-conversion general-coverage communications receiver covering 538 kc to 1580 kc and 1720 kc to 34 mc in 4 ranges. Has adjustable 50.5 kc 2nd IF with a high-Q permeability-tuned circuit for high selectivity—Tee-notch filter reduces heterodynes. Also has upper and lower sideband selection, delayed AVC, CW operation with AVC on or off, S meter, phone jack and 100- μ c crystal calibrator. Electrical bandspread for Ham bands 80 through 10 meters. Temperature-compensated MFO and crystal-controlled 2nd conversion oscillator for outstanding stability. With 12 tubes; VR, rectifier 8 $\frac{1}{2}$ "x18 $\frac{1}{2}$ "x10 $\frac{1}{2}$ ". Less speaker, below. For 105-125 v., 50-60 cycle AC. Wt., 43 lbs.
90 SU 057J. \$16 Monthly. NET 325.00



★★ SX-110 RECEIVER

A fine value in a medium-priced general-coverage communications receiver, the SX-110 tunes the AM broadcast band from 540-1680 kc plus 3 shortwave bands from 1680 kc to 34 mc. Slide-rule bandspread dial is calibrated for the 10, 15, 20, 40 and 80-meter Amateur bands, the 11-meter Citizens band, and logging scale. S meter is calibrated in units of 6 db to 59 and in db above 59. Has crystal filter, RF stage, 2 IF stages, BFO with pitch control, automatic noise limiter, tone control and antenna trimmer. IF is 455 kc. With 7 tubes; rectifier. Silver-trimmed 8 $\frac{1}{2}$ "x18 $\frac{1}{2}$ "x11" gray steel cabinet. Less speaker (use R-48 below with this unit). For 105-125 v., 50-60 cycle AC. Wt., 35 lbs.
90 SU 058J. \$9 Monthly. NET 169.95



NEW!

★SX-117 DELUXE HAM-BAND RECEIVER

All-new triple-conversion communications receiver for deluxe reception of SSB, CW and AM signals. A high order of mechanical and electrical stability is achieved—has crystal-controlled MFO plus crystal-controlled 1st and 3rd conversion oscillators and transmitter-type VFO. Crystals supplied cover 3.5-4.0, 7.0-7.5, 14.0-14.5, 21.0-21.5 and 28.5-29.0 mc. (Crystals for 28.0-28.5, 29.0-29.5, 29.5-30.0, WWV and non-Amateur ranges available on special order). Sensitivity, at least 1 μ v AM and $\frac{1}{2}$ μ v CW for 10 db S/N. Selectivity variable in 3 steps from 500-5000 cps. Also: Tee-notch filter; selectable AVC and USB/LSB; product/envelope detector; IF-type ANL; audio inverse feedback; backlash-free tuning; etc. 7 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x13". Less 100- μ c crystal calibrator (below) and speaker (left). For 105-125 v., AC. 21 lbs.
90 SU 061J. \$18 Monthly. NET 379.95
MODEL HA-7 CRYSTAL CALIBRATOR. For SX-117, above. Shpg. wt., 1 $\frac{1}{2}$ lbs.
90 S 062J. NET 19.95

HALLICRAFTERS MATCHING SPEAKERS

MODEL R-47. Communications speaker designed specifically for speech and CW reproduction—extremely effective on SSB. Has essentially flat response from 300 to 2850 cps with rapid drop in output above and below cutoff frequencies. For use with all Hallicrafters receivers on these pages—ideal for mobile installations, too. Impedance, 3.2 ohms. Size (HWD): 5 $\frac{1}{2}$ "x5 $\frac{1}{2}$ "x3 $\frac{1}{2}$ ". Wt., 2 $\frac{1}{2}$ lbs.
90 S 059. NET 12.95

MODEL R-48. Matching 5 $\frac{1}{2}$ "x7 $\frac{1}{2}$ " speaker for Hallicrafters receivers on these pages or other receivers with 3.2-ohm audio output. Switch at rear permits selection of full-fidelity response for music, or voice-frequency response for communications reception. 3.16-oz. magnet produces fully saturated air gap and distortion-free reproduction. Gray steel cabinet. 6 $\frac{1}{2}$ "x13 $\frac{1}{2}$ "x8 $\frac{1}{2}$ ". Shpg. wt., 9 lbs.
90 SX 060. \$5 Monthly. NET 19.95

Popular Communications Equipment by hallicrafters

S-120 4-BAND RECEIVER for SHORTWAVE and AM



With 3 Separate Antennas

An excellent choice for the SWL, this low-cost receiver brings in worldwide shortwave, ships, planes, Amateurs, time signals, and all your favorite AM programs. Tunes the 550-1600 kc broadcast band plus 3 shortwave bands from 1600 kc to 30 mc. Has 3 separate antennas: ferrite loop for broadcast band, adjustable whip for shortwave, and wire antenna. Aviation and shortwave broadcast frequencies are clearly marked. Electrical bandspread with separate capacitor spreads out stations and simplifies tuning. Front-panel headphone jack automatically disconnects built-in speaker. Steel case, 5 1/4 x 13 1/2 x 8 1/2". With 4 tubes; rectifier. For 105-125 v., 50-60 cycle AC or DC. Wt., 12 lbs.
90 SX 064. \$5 Monthly.....NET 69.95



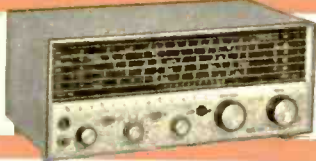
★★ DELUXE SX-62A FM-AM-SW RECEIVER

Remarkably Wide Six-Range Coverage Includes Standard AM Broadcast, 3 Shortwave Ranges, Plus 2 FM-AM Bands Covering from 27 to 109 mc.

Unique, beautifully styled receiver offering peak performance on AM broadcast, shortwave and FM—continuously tunes from 550 kc through 109 mc! Precision built to exacting standards, the SX-62A covers these 6 ranges: 550-1620 kc; 1620 kc-4.9 mc; 4.9-15 mc; 15-32 mc; 27-56 mc (FM-AM); 54-109 mc (FM-AM). Push-pull 6V6 tubes in output stage provide 10 watts of full-frequency audio. Has 4-position tone control; phono-input jack; illuminated, wide-division slide-rule dial; 60-to-1 tuning ratio; 500-kc calibrating crystal; AVC and noise limiter. Six-

position crystal filter circuit, 3 IF and 2 RF stages give high sensitivity and selectivity. Other highlights include: separate RF and AF gain controls; temperature compensated, voltage-regulated oscillator; BFO for code reception; front-panel headphone jack; 14 tubes plus rectifier and VR tube. Antenna input, 300 ohms; 3.2, 8 and 500-ohm speaker outputs. In sturdy, attractive cabinet, 10 1/2 x 20 x 16". Less speaker (uses R-48, preceding page). For 105-125 v., 50-60 cycle AC. Wt., 66 lbs.
90 SZ 065. \$19 Monthly.....NET 430.00

NEW S-118



★★ MODEL S118 LW-AM-SW RECEIVER

All new from Hallicrafters—a 5-band receiver with extended coverage of the low frequencies. Hear FAA weathercasts, beacons, consolan, aeronautical mobiles, the 500-kc distress frequency, plus AM broadcast and worldwide shortwave. Covers these ranges: 185-420 kc; 495-1620 kc; 1.6-4.95 mc; 4.95-15 mc; 14.9-31 mc. Features slide-rule dials with electrical bandspread, noise limiter, BFO for code reception, built-in speaker and ferrite loop antenna, socket for external DC power, phone jack, phono input/audio output jack, etc. IF, 455 kc. Antenna Impedance of 50-75 ohms for shortwave bands. Has 5 tubes; 2 silicon diodes. Case, 5 1/4 x 14 1/2 x 8 1/2". For 105-125 v., 50-60 cycle AC. Wt., 19 lbs.
90 SX 066. \$5 Monthly.....NET 99.95

★★ MODEL S-108 SW-AM RECEIVER



A fine general-coverage receiver superseding the renowned S-85 series—completely restyled for improved operating ease and greater tuning accuracy. Tunes standard broadcast and shortwave continuously from 540 kc to 34 mc in 4 ranges. Slide-rule bandspread dial calibrated for 90, 40, 20, 15 and 10-meter Ham bands, and logging scale. One RF stage, 2 IF stages and separate bandspread capacitor. Other highlights include: variable BFO; stable, temperature-compensated oscillator; automatic noise limiter; 3-position tone control; built-in 5" PM speaker; AVC; front-panel headphone jack; standby-receive switch. Has 7 tubes plus rectifier. 8 x 18 1/2 x 10 1/2". For 105-125 v., 50-60 cycle AC. Wt. 35 lbs.
90 SU 067. \$7 Monthly.....NET 139.95

BEGINNER'S SPECIAL! SKY-BUDDY II RADIO



\$49.95

\$39.95 KIT FORM

MODEL S-119. A dandy "first set" for the newcomer to shortwave listening! He'll hear ships, planes, Hams, foreign broadcasts and AM programs on this inexpensive radio. Superhet circuit tunes standard AM from 535-1620 kc, and shortwave from 2-5.5 and 6-16 mc. Has smooth-tuning planetary dial drive, BFO for code reception, built-in speaker, transformer power supply, bandswitch control, phone tip jack, etc. Steel case, 5 x 10 1/2 x 7 1/2". 3 tubes; diode detector. For 118 v., 60 cycle AC. Wt., 9 lbs. \$5 Monthly.
90 SX 068. Factory Wired.....NET 49.95
90 SX 069. Kit Form.....NET 39.95

Complete 6-Band CW/AM Phone Station

SX-140



HA-5

HT-40

IN WIRED OR KIT FORM

HT-40 TRANSMITTER

Carefully designed 6-band CW and AM transmitter—a fine companion for the SX-140 (right). Gives crystal-controlled, bandswitched coverage of the 80 through 6-meter Ham bands with 75 watts peak input to 6DQ5 final (slightly less on 6-meter AM). Provision for external VFO (see HA-5, below). Has 52-ohm pi-network output, TVI filtering, dual-range meter, etc. 7 1/2 x 13 1/2 x 8 1/2". For 105-125 v., 50-60 cycle AC. Wt., 19 lbs. \$6 Monthly.
90 SU 085. Factory Wired.....NET 109.95
90 SU 086. Kit Form \$5 Monthly.....NET 89.95

★ SX-140 RECEIVER

Sensitive, selective Ham-band receiver for 80 through 6 meters—meets HT-40 (left) in size, styling, quality and bands covered. Has 5 meter, ANL, BFO, electrical calibration reset, phone jack, antenna trimmer, etc. Illuminated slide-rule dial with 25-to-1 tuning ratio. Internal switching for transmitter and antenna change-over. 7 1/2 x 13 1/2 x 8 1/2". Less speaker (see R-47, R-48, preceding page). For 105-125 v., 50-60 cycle AC 14 lbs. \$7 Monthly.
90 SU 087. Factory Wired.....NET 139.95
90 SU 088. Kit Form \$6 Monthly.....NET 114.95

HA-5 DELUXE HETERODYNE-TYPE VFO

A self-powered and extremely stable heterodyne-type VFO. Illuminated dial is calibrated for all Ham bands from 80 through 2 meters. 5.0-to-5.5 mc variable oscillator may be directly zero-beated with WWV. A 30-to-1 tuning ratio allows precise tuning.

Cathode of mixer tube is keyed for excellent CW. Output: 3.5-4.0, 7.0-7.5, 7.8-8.3, 8.333-8.833 mc. 3 tubes; VR, silicon rectifiers. 5 x 7 x 8 1/2". W/stale for 80-10 mtrs. 105-125 v., 60 cycle AC. 8 lbs.
90 S 070. Factory Wired.....NET 79.95



Collins AMATEUR GEAR

NEW!
FOR BOTH 6 & 2 METERS **KWM-2**
TRANSCIVER



MODEL 62S-1 VHF CONVERTER

New 6 and 2 meter transmitting and receiving converter more than doubles your frequency coverage of the present "S" line. Provides full 6 and 2-meter operation at the flick of a switch—and with no cable changing—when moving from HF to VHF. Using your present exciter's high voltage, the 62S-1 supplies a 3 to 5-db noise figure on receive and 160 watts PEP input to 7034/4X150 final amplifier on transmit. Power output is 65 watts PEP minimum.

Designed primarily for use with the "S" line. KWM-2 and KWM-1, the VHF adapter will convert most other equipment operating in the 14.0 to 14.2-mc range. Transmits and receives on SSB, CW, AM or RTTY, as determined by the exciter and receiver used. Receiving sensitivity, 1.2 μ v maximum on 2 meters and 1.3 μ v maximum on 6 meters (for 10 db S/N using 3 kc audio bandwidth). Image rejection, greater than 100 db on 6 meters; greater than 60 db on 2 meters. IF rejection, greater than 90 db. Other: spurious responses, at least 50 db below 1 μ v desired signal level. Minimum receiver radiation.

Frequency range is 49.8 to 54.2 and 143.6 to 148.2 mc; precision 0.005% crystals furnished cover 50-94 and 144-148 mc. Panel meter reads PA grid/plate current and output. Input/output imp., 50 ohms. Requires 800 v. DC @ 220 ma and 275 v. DC @ 30 ma from external source. Gray case, 7 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x13 $\frac{1}{2}$ ". For 110-120 v., 50-60 cycle AC. Wt., 26 lbs.
90 SU 089. No Money Down NET 895.00

MODEL KWM-2 SSB /CW 5-BAND TRANSCIVER

Compact transceiver reflecting the modern concept of mobility, versatility and styling in Ham Radio SSB systems. Ideal for mobile, fixed-station, aeronautical and marine use, unit covers the 80 through 10-meter Ham bands plus 14.8 to 15.0 mc for WWV. Input is 175 watts PEP on SSB and 160 watts on CW. Provides upper or lower/sideband emission on SSB and break-in CW keying (with sidetone) free of chirps and clicks. Efficient filter-type SSB generation gives carrier suppression of 50 db; unwanted sideband suppression, 50 db. Crystal-controlled dual-conversion receiver has sensitivity of $\frac{1}{2}$ μ v for 10 db S/N; choice of any 14-200-kc segments by front-

panel crystal switch. Also has ALC, permeability-tuned variable oscillator, VOX and speaker anti-tuning circuits, RF inverse feedback for excellent linearity, etc. Stce. 7 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x13 $\frac{1}{2}$ ". Less power supplies, below. Wt., 21 lbs.
90 SU 090. NET 1150.00

MODEL MP-1 12-VDC POWER SUPPLY. (Not illus.) 5 $\frac{1}{2}$ "x11 $\frac{1}{2}$ "x7 $\frac{1}{2}$ ". Wt., 13 lbs.
90 SU 091. \$10 Monthly. NET 198.00

MODEL 516F-2 115-V. 50-60 CYCLE AC POWER SUPPLY. 7 $\frac{1}{2}$ "x10x12". Wt., 29 lbs.
90 SU 092. \$6 Monthly. NET 115.00

KWM-2 AND "S" LINE ACCESSORIES (Not illus.)

MODEL 312B-5 SPEAKER CONSOLE AND EXTERNAL PTO. For KWM-2 transceiver. Combines KWM-2 and accessories into a complete fixed-station operating system. With speaker, RF directional wattmeter, phone patch and function controls. Has VOX and receiver disabling. Provides following combinations of frequency control; transceive on KWM-2 PTO; transceive on 312B-5 PTO; receive on KWM-2 PTO and transmit on 312B-5 PTO. 7 $\frac{1}{2}$ "x10x 12 $\frac{1}{2}$ ". 10 lbs.
90 SU 093. \$17 Monthly. NET 350.00

312B-4 CONSOLE. Above, less external tuning dial and PTO. For "S" line or KWM-2. 10 lbs.
90 SU 097. \$10 Monthly. NET 195.00

MODEL PM-2 PORTABLE POWER SUPPLY. Connects to KWM-2. Built-in speaker. 7 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x4". For 115/220 v., 50-400 cycle AC. Wt., 15 lbs.
90 SU 098. \$6 Monthly. NET 150.00

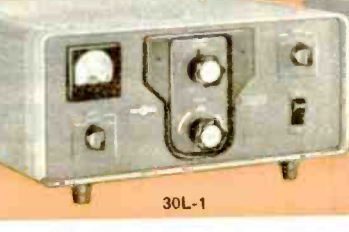
MODEL 136B-2 NOISE BLANKER. Mounts on top cover of KWM-2. Effectively suppresses pulse-type interference from motors, ignition systems, etc. Powered by KWM-2. Wt., 4 lbs.
90 SU 099. \$7 Monthly. NET 124.00

312B-3 SPEAKER. For S line. 7 $\frac{1}{2}$ "x10x8". 4 lbs.
90 SX 100. \$5 Monthly. NET 32.00

351D-2 MOBILE MOUNT. For KWM-2. 18 lbs.
90 SU 101. \$6 Monthly. NET 120.00



NEW 32S-3



30L-1



NEWLY-RELEASED
75S-3 RECEIVER

NEW MODEL 32S-3 SSB TRANSMITTER-EXCITER

This new, improved version of the popular 32S-1 includes a host of new features for the ultimate in CW operation as well as better-than-ever SSB. A perfect companion for the 30S-1 linear and 75S-3 or 75S-1 receivers, the 32S-3 provides up to 175 watts PEP input on SSB and 160 watts input on CW. New features include: carrier insertion keying, frequency spotting control, keying-hardness control, sidetone level adjust, and simplified oscillator patch disconnect. Mechanical filter-type SSB generator, PTO, RF inverse feedback, etc. have been retained.

Frequency control system consists of VFO with crystal oscillator that accommodates 13 heterodyne crystals, permitting coverage of any 13 200-kc ranges from 3.4 to 30 mc. The 11 crystals supplied cover 80 through 15 meters, and 26.5 to 28.7 mc. Overall frequency stability after warm-up is within 100 cps. Provides 50 db suppression of carrier, unwanted sideband, and oscillator feed-through and mixer products. Audio frequency response, nominal 300-2500 cps \pm 3 db. Panel meter monitors final plate current, grid current and ALC voltage. Approximately 10 db of RF feedback around PA and driver for improved linearity. Has 600-ohm phone-patch input. Requires high-impedance mike. Output impedance, 50 ohms. Size, 6 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x11 $\frac{1}{2}$ ". Less AC power supply, below. Wt., 71 lbs.
90 SU 102. No Money Down. NET 750.00

MODEL 516F-2 POWER SUPPLY. For 32S-3 transmitter, above. With cables. Size, 7 $\frac{1}{2}$ "x10x12". For 110-120 v., 50-60 cycle AC. Shpg. wt., 29 lbs.
90 SU 092. \$6 Monthly. NET 115.00

MODEL 30L-1 LINEAR AMPLIFIER

A fine medium-powered grounded-grid linear amplifier for SSB and CW emission. Can be driven by the 32S-3, KWM-2 or most 70-to-100 watt exciters. Operates at 1000 watts PEP input (500 watts nominal output). Covers the 80, 40, 20, 15 and 10-meter Ham bands with sufficient overlap for general coverage from 3.4 to 30 mc. (Input circuit requires trimming at frequencies far from Ham bands.) Features include: RF inverse feedback; automatic load control; high-low power switch; built-in power supply with silicon rectifiers. Tube complement consists of 4-811A triodes. Panel meter reads final plate current, plate voltage and tuning circuit. Antenna is automatically transferred to exciter when the 30L-1's switch is in "Off" position. Entirely self-contained and designed for table-top use—all controls are conveniently accessible on the front panel. Unit has 50-ohm output. Size, 6 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x13 $\frac{1}{2}$ ". For 115/230 v., 50-400 cycle AC. Wt., 39 lbs.
90 SU 107. \$22 Monthly. NET 520.00

★ MODEL 75S-3 SSB RECEIVER

Latest addition to the "S" line of precision Ham-band receivers, the 75S-3 offers new versatility in SSB, CW and RTTY reception. It combines the qualities of the well-known 75S-1 with these new features: single-control O multiplier for 50 db rejection of unwanted heterodynes and carriers; choice of variable or crystal BFO; sharp 200-cps crystal filter for CW; 2.1-kc mechanical filter for SSB, CW and RTTY; choice of two AGC decay time constants. Concentric RF-AF gain controls and spinner tuning knob add increased operating convenience. The 75S-3 may be used alone, or with the 32S-3 and 312B-4 console to make a complete, compact station; receiver will control both units for transceiver operation.

Tuning system employs PTO with crystal oscillator that accommodates 14 crystals. The 12 supplied fully cover—in 200-kc segments—80, 40, 20 and 15 meters. WWV on 15.0 mc, and 26.5-26.7 mc. (Two open crystal positions cover 2 more ranges on 10 meters.) CV sensitivity is 0.5 μ v, measured with 50-ohm dummy antenna and 10 db S/N ratio. Other highlights: crystal-controlled dual conversion, product detector, 100-kc crystal calibrator, LSB-USB selection, 5-kc IF transformer for AM reception, receiver muting, etc. Less speaker (see "S" line accessories). 6 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x11 $\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. 21 lbs.
90 SZ 164. No Money Down. NET 620.00

MODEL 75S-1 RECEIVER. Earlier version of the 75S-3, with crystals for same ranges as above. Size, 6 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x11 $\frac{1}{2}$ ". Shpg. wt., 21 lbs.
90 SU 109. \$22 Monthly. NET 520.00

MODEL 30S-1 LINEAR

Efficient grounded-grid linear amplifier—a matching unit for the 32S-3 or other exciter delivering 70-to-100 watts drive. Runs full legal input limit on SSB (1 kw average) or 1 kw CW input to a 4CX1000A power amplifier. Covers Ham bands 80 through 10 meters. Incorporates inverse feedback for better linearity. ALC, up to 12 db. Built-in power supply. Space for 516F-2 supply for 32S-3. Quiet, forced-air blower. Attractive gray floor-mounted cabinet, 30 $\frac{1}{2}$ "x17x16 $\frac{1}{2}$ ". For 115/230 v., 50-60 cycle AC. Wt., 160 lbs.
90 SZ 110. NET 1556.00





Precision-Made Receivers by NATIONAL



★NC-155 RECEIVER

\$199.95

- Dual Conversion on 80-6 Meters
- 1 μ v Sensitivity
- 3-Step Selectivity

Performance engineered for relaxed Ham-band work, this receiver brings you dual conversion and 1 μ v sensitivity (for 10 db signal-to-noise) on all bands 80 through 6 meters. Variable IF selectivity with "Ferrite Filter" provides 3-position selectivity: 600 cps for CW, 3 kc for SSB, 5 kc for AM. Has full SSB / CW AGC and separate product detector; 60-to-1 "Velvet Vernier" main tuning dial; calibrated USB / LSB BFO control; S meter; ANL; voltage-regulated oscillators; "Flip Foot"; etc. 8 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x9". Less speaker and crystal calibrator, below. For 105-125 v., 50-60 cycle AC. Wt., 28 lbs.

90 SX 173. \$10 Monthly. NET 199.95

NTS-3B MATCHING SPEAKER. For NC-155, NC-190 and NC-140. 3.2 ohms. 8 $\frac{1}{2}$ "x5 $\frac{1}{2}$ "x4 $\frac{1}{2}$ ". 5 lbs.

90 SX 174. \$5 Monthly. NET 18.95

XCU-109 1-MC CRYSTAL CALIBRATOR. For NC-140, NC-155 and NC-190. Wt., 1 lb.

90 S 000. \$5 Monthly. NET 29.95



★ ★ NC-190 RECEIVER

An economically priced general-coverage receiver offering double conversion and a host of other important features for both Hams and listeners. Tunes 540 kc to 30 mc with 5 calibrated bandspread ranges for the 80-10 meter Amateur bands, plus 6 calibrated bandspread ranges for the 49, 31, 25, 19, 16 and 13-meter international shortwave bands. "Ferrite Filter" and dual-conversion circuit provide true variable IF selectivity, instant sideband selection and optimum image rejection—selectivity: 600 cps CW, 3 kc SSB, 5 kc AM.

Sensitivity is better than 1 μ v for 10 db signal-to-noise. IF's are: 1st, 2215 kc; 2nd, 230 kc. Voltage-regulated oscillators and ceramic coil forms for maximum stability. Also has: 60-to-1 bandspread vernier; separate product detector and full SSB / CW AGC; noise limiter; S meter; standby-receive switch; calibrated USB / LSB BFO control; "Flip Foot"; etc. 8 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x9". Less speaker (right) and crystal calibrator (left). For 105-125 v., 50-60 cycle AC. Wt., 28 lbs.

90 SU 001. \$11 Monthly. NET 219.95



★ NC-270 RECEIVER

Fine dual-conversion receiver for deluxe reception of SSB / CW / AM on the 80-through-6 meter Ham bands. Surprisingly low priced, it has built-in 100-kc crystal calibrator; "Ferrite Filter" for instant sideband selection and 5 degrees of variable IF selectivity from 600 cps to 5 kc; better than 1 μ v sensitivity for 10 db S/N on all bands, including 6 meters; separate product detector for SSB and CW; distortion-free ANL; S meter; etc.

More than 50 db rejection of unwanted heterodynes obtainable with bifilar T-Notch and Depth controls. Excellent stability from ceramic coil forms, solid $\frac{1}{8}$ "-steel panel, full ventilation and "High Zero" temperature compensation. "Flip Foot" for easy panel viewing. 8 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x9". Less speaker, below. For 105-125 v., 50-60 cycle AC. 28 lbs.

90 SU 002. \$14 Monthly. NET 279.95

NTS-3 MATCHING SPEAKER. For NC 270. 3.2 ohms. 8 $\frac{1}{2}$ "x5 $\frac{1}{2}$ "x4 $\frac{1}{2}$ ". 5 lbs.

90 SX 003. \$5 Monthly. NET 19.95

NEW

for Discriminating Listeners and Hams



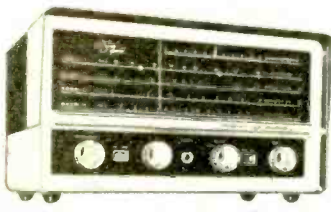
★ ★ NC-140 RECEIVER

\$189.95

- Dual Conversion
- 1 μ v Sensitivity
- Q Multiplier
- Product Detector

All-new from National—an outstanding value in a medium-priced communications receiver. Features 1 μ v sensitivity for 10 db S/N, dual conversion above 4 mc, and continuous coverage from 540 kc to 31 mc in 5 ranges. Dial selector permits instant choice of calibrated bandspread for the 80 through 10-meter Ham bands plus the 5 most popular SW broadcast bands. Active peaking Q multiplier for continuously variable selectivity on AM / CW / SSB. Has RF stage, 30:1 tuning ratio, SSB / CW product detector, BFO, ANL, AGC, "Flip Foot", etc. 8 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x9". Less NTS-3B speaker and XCU-109 calibrator (see above). For 105-125 v., 50-60 cycle AC. Wt., 28 lbs.

90 SU 004. \$10 Monthly. NET 189.95



★ ★ NC-60B "SPECIAL"

Well suited for a "first receiver" at this low price, the NC-60B tunes worldwide shortwave and standard broadcast from 540 kc to 31 mc in 4 band-switched ranges. Clear markings on large, slide-rule dial show where marine, aircraft, WWV, Amateur, standard and foreign broadcasts are to be found. Electrical bandspread with 0-100 louging scale, plus selectivity of 5 kc at 6 db down, help to separate crowded shortwave signals.

Also has built-in 5" PM speaker, front-panel headphone jack, BFO for code reception, and 5 tubes plus rectifier. Controls: tuning, bandspread, off/on-volume, band selector, AM / CW switch, and standby/receive switch. 50-300 ohm antenna input. 7 $\frac{1}{2}$ "x13 $\frac{1}{2}$ "x8 $\frac{1}{2}$ ". For 110-120 v., AC or DC. 14 lbs.

90 SX 005. \$5 Monthly. NET 59.95



★ NC-303 RECEIVER

Deluxe double-conversion receiver offering superb sensitivity, stability, and SSB / AM / CW versatility for its price class. Covers the 10-through-160 meter Ham bands plus 11 meters. Has 5 selectively positions—sharp down to 400 cps, to 8 kc at 6 db down; instant USB / LSB selection; Q multiplier with 60 db tunable notch; separate CW / SSB product detector; AGC; etc. 11 $\frac{1}{2}$ "x19 $\frac{1}{2}$ "x15". For 110-120 v., 50-60 cycle AC. Wt., 64 lbs. VHF converters available on special order—write for details.

90 SZ 006. \$20 Monthly. NET 449.00

90 S 007. MODEL XCU-300 CRYSTAL CALIBRATOR. For above. 1 lb. \$5 Monthly. NET 23.95

90 SX 017. NTS-2 MATCHING SPEAKER. For NC-303. 11 $\frac{1}{2}$ "x9 $\frac{1}{2}$ "x8". 12 lbs. \$5 Monthly. NET 21.95

★ ★ NC-105 LOW-COST RECEIVER



\$119.95

- Covers 550 kc—30 mc
- Illuminated S Meter
- Q Multiplier; AGC

An economical general-coverage receiver for SWLs and new Hams. Q multiplier offers IF selectivity variable from 7 kc-500 cps. AGC, S meter, Q multiplier operate on all modes. Separate product detector / BFO, bandspread dial, series-gate limiter, 5" speaker, phone jack, etc. Steel cabinet, 7 $\frac{1}{2}$ "x13 $\frac{1}{2}$ "x8 $\frac{1}{2}$ ". For 105-125 v., 60 cycle AC. Wt., 27 lbs.

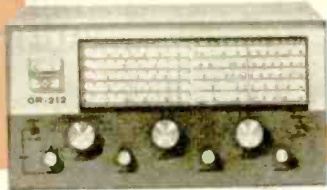
90 SX 190. \$6 Monthly. NET 119.95

90 SX 191. MODEL NC-105W. Above, in oiled walnut cabinet. For living room or den. NET 139.95

GONSET... Noted for Pace-Setting Design



LATEST BUDGET-PRICED RECEIVERS



★★GR-212 RECEIVER

\$109⁹⁵

- Double Conversion
- 6 Bandswitched Ranges
- "Big Set" Sensitivity

The only dual-conversion superhet available at this low price, the GR-212 really separates crowded signals! Sensitivity: at least 1 μ v for 6 db S/N on high-frequency bands. Covers: 2 to 30 mc in 5 ranges, plus 540 to 1600 kc. Separate calibrated bandspread for 10-80 meter Ham bands. Slide-rule dials and weighted bandspread knob for easy tuning; variable BFO; 5 meter; built-in speaker, etc. 8x12x10". For 115 v., 60 cycle AC. 28 lbs.

90 SU 159. \$6 Monthly.....NET 109.95



★★GR-211 RECEIVER

A low-cost general-coverage receiver for quality reception of both phone and CW stations. Tunes standard AM and worldwide shortwave from 540 kc to 34 mc in 4 bandswitched ranges. Also has calibrated bandspread for the 10, 15, 20, 40 and 80-meter Ham bands, plus 11-meter Citizens Band. Two illuminated full-vision, slide-rule dials furnish instant identification of frequency calibrations. Also has built in speaker, antenna trimmer, vernier tuning, high-Q permeability-tuned coils, etc. Size, 8x12x10". For 115 v., 60 cycle AC. Wt., 27 lbs.

90 SU 158. \$5 Monthly.....NET 69.95



G-76 6-BAND TRANSCEIVER

MODEL 3338. Compact transceiver offering exceptional operating flexibility on 80-6 meters. Controls at fingertip—ideal for mobile. Inputs are 100w. AM and 120 w. CW with stable VFO (all bands but 50 mc), 6D05 final, pi-network, push-to-talk. Dual-conversion receiver has 1 μ v sensitivity for 6 db S/N, 3-3.5 kc bandwidth at 6 db down, 5 meter, ANL, etc. 5 $\frac{1}{2}$ x12 $\frac{1}{2}$ x11 $\frac{1}{2}$ ". Less supply, below, 20 lbs.

90 SU 008. \$19 Monthly.....NET 429.95

90 SU 009. 3350 12-VDC POWER SUPPLY. With cable. 3 $\frac{1}{2}$ x $\frac{1}{2}$ x6 $\frac{1}{2}$ " 5 lbs.....NET 149.95

90 SU010. 3349 117-VAC POWER SUPPLY. Built-in speaker. 5 $\frac{1}{2}$ x12 $\frac{1}{2}$ x11 $\frac{1}{2}$ ". 25 lbs.....NET 149.95



VFO FOR 6, 2, 1 1/2 METERS

MODEL 3357 COMMUNICATOR VFO. Use with Gonset Communicator, I, II, III, IV (right); GC-105 (right); any 6, 2 or 1 $\frac{1}{2}$ -meter transmitter using 8-mc crystals; etc. Separate dial calibration for each band. Highly stable—oscillator operates continuously. Has 8-mc output, mike connector for NBFM, and 3 tubes plus silicon rectifier. 5 $\frac{1}{2}$ x6 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". For 110-120 v., 60-60 cycle AC. Wt., 12 lbs.

90 SX 169. \$5 Monthly.....NET 74.95



COMMUNICATOR IV

\$389⁹⁵

- Triple Conversion
- 24 Watts Input
- For 117V AC/12VDC

MODEL 3341 2-METER TRANSCEIVER. For reliable mobile, portable and fixed communications on 2 meters. Has built-in supply for 110-120 v., 50-60 cycle AC plus transistorized supply for 12 v. DC. Just 5x12 $\frac{1}{2}$ x11". Selective triple-conversion receiver has crystal-controlled 1st converter; 0.4 sensitivity; low noise; ANL; squelch. Transmitter runs 24 watts input to 6360 final; provision for 6 crystals; tuning meter—high-level speech clipping and 10 watts of audio assure full talk power. Slide-rule dial. Panel speaker. With cables, 29 lbs.

90 SU 014. \$18 Monthly.....NET 389.95

MODEL 3342 6-METER TRANSCEIVER. Similar to above, but for 60-64 mc. 29 lbs.

90 SU 015. \$18 Monthly.....NET 389.95



GC-105 COMMUNICATOR

\$259⁹⁵

- 6 Watts Output
- High-Level Clipping
- Simplified Tune-Up

2-METER TRANSCEIVER. The latest in the famous "Gooney-Bird" VHF line, the GC-105 is a fully self-contained 2-meter AM-phone station with built-in power supply for 110-120 v., 60-60 cycle AC and 6/12 v. DC. Excellent for under-dash mtg. or home station use. Tunable receiver utilizes low-noise 6BZ8 RF tube in sensitive "cascode" circuit; also has squelch, AVC, and gang-tuned circuits for high image rejection. Meter reads both relative RF output and signal strength to +30 db over 59. Broad-band exciter stages simplify transmitter tune-up; nominal output, 6 watts. Modulator has high-level clipping. Front-panel sockets accept 6 crystals. Built-in speaker. 8 $\frac{1}{2}$ x15 $\frac{1}{2}$ x8". With cables, 29 lbs.

90 SX 104. \$18 Monthly.....NET 259.95



Super-12
Mobile
Converter



Mobile
Marine
Converter

3261 "SUPER-12" MOBILE CONVERTER. Covers 75, 40, 20, 15, 10-11 meters plus 19 and 49-meter SW bands. Operates from 12 v. DC (1.2 a.)—attach it in minutes. Has RF stage, antenna trimmer, low-noise triode mixer. 1430-kc output, etc. With cables. Only 3 $\frac{1}{2}$ x5 $\frac{1}{2}$ x5 $\frac{1}{2}$ ". Wt., 5 lbs.

90 S 011. \$5 Monthly.....NET 89.95

3163 MOBILE MARINE CONVERTER. Easily installed unit for monitoring the 1.6 to 3.0-mc marine range. Tunes ship-to-shore, ship-to-ship, marine weather, Amateur and police communications. Requires only 12-v. DC—no internal connections to car radio needed. With cables. 3 $\frac{1}{2}$ x4x4". Wt., 5 lbs.

90 S 012. \$5 Monthly.....NET 39.95

3001 NOISE CLIPPER. Series-gate type. Reduces ignition noise. Connects easily to 2nd detector circuit of car radio. 2x4x1 $\frac{1}{2}$ ". Wt., 2 lbs.

90 S 013.....NET 13.30

GSB-201 LINEAR AMPLIFIER

A top-quality 5-band linear amplifier providing high power in true table-top dimensions. Only 8 $\frac{1}{2}$ x12 $\frac{1}{2}$ x17". The GSB-201 covers the 80 through 10-meter Ham bands with power inputs of 1500 watts PEP on SSB, 1000 watts CW, and 400 watts AM. Fully band-switched, it uses 4 low-cost 811A tubes in stable, grounded-grid circuit with pi-network output. Can be easily driven by any commercially manufactured or home-built exciter in the 65-to-150 watt category—requires 100 watts PEP drive for maximum of 1000 watts PEP output. Switchable full-vision meter reads plate current or relative power output. Antenna change-over relay and bias supply are built-in. Long-life silicon rectifiers in high-voltage power supply. Attractively finished cabinet. For 110-125 v., 50-60 cycle AC. Wt., 92 lbs.

90 SZ 016. \$19 Monthly.....NET 419.95



\$419⁹⁵

\$19 monthly

1500 Watts PEP Input
on 80 Through 10 Meters



Viking

Pick Your Power and Most-Wanted Features.



NEW

FILTER-TYPE SSB ADAPTER

- Instant Bandswitched Coverage of 80-10 Meter Bands
- Smooth VOX and Anti-Trip
- With Remote Supply, Cables

Adapts AM/CW Rigs to SSB

When used with either Valiant transmitter, places 275 watts PEP input at your command!

\$369⁵⁰

MODEL 240-305-2. Just out, a filter-type SSB adapter quality-engineered in the Viking traditional ideal for use with the Valiant II (right), adapter consists of 2 compact units—a matching table-top RF unit and separate power supply with connecting cables. Offers positive-acting VOX/anti-trip with anti-trip matching transformer and adjustable VOX time-delay; balanced audio response; 40 to 50-db suppression of sideband, carrier, spurious signals; instantly selectable USB/LSB; 50 ohm pi-net output. Built-in multiplier requires VFO input only—Valiant or Valiant II provides frequency control. High stability and sharp response obtained by HF bandpass crystal filter. Output, 3 watts. Sizes: RF unit, 11 1/2"x8 1/4"; power supply, 6 1/2"x3 1/2"x7 1/2". For 105-125 v., 50-60 cycle AC. 31 lbs.

90 SU 502J. Factory Wired. \$17 Monthly. NET 369.50



NEW VALIANT II

10 Through 180 Meters

"VALIANT II" AM/CW TRANSMITTER

MODEL 240-105-2. An all-new version of the renowned Valiant, this 6-band transmitter has the features of its predecessor plus many more—including coax fittings for plugging in accessory SSB units, differential temperature compensation in VFO for extreme stability, and low-level audio clipping for increased communications power. Provides complete bandswitching on the 160 through 10-meter bands. Delivers 275 watts input on CW (or SSB with auxiliary SSB exciter or new Viking SSB Adapter, left) and 200 watts AM phone. VFO operates in the 1.75-2.0 and 7.0-7.45 mc ranges for superb stability. Efficient pi-network circuit, with silver-plated final tank coil, matches 50-600 ohm loads.

Fully TVI suppressed with electrically sealed cabinet; shielded meter leads, bypassed harness leads and filaments; filtered power line, relay jack, auxiliary socket leads, etc. Also has time sequence keying; built-in fused power supply with regulated screen voltages on modulator and VFO (also on final amplifier in SSB operation); 3 bridge-neutralized 6146s in final; built-in low-pass audio filter; many other extras. Bands divided into precise 10-kc increments. May be crystal controlled. Less crystal, mike and key. 2-tone metallic gray steel cabinet. 11 1/2"x21 1/4". For 105-120 v., 50-60 cycle AC. 83 lbs.

90 SZ 500J. Factory Wired. \$21 Monthly. NET 495.00
90 SZ 501J. Kit Form. \$18 Monthly. NET 375.00



\$359⁵⁰ AM and CW on 7 Ham Bands

"RANGER II" TRANSMITTER

MODEL 240-162-2. Latest model of this famous AM/CW bandswitched transmitter covers the 160 through 6-meter Ham bands with crystals or built-in VFO. Pi-network final runs 75 watts input on CW and 65 watts AM. Has time-sequence (grid block) keying for clean break-in. Temperature-compensated VFO calibrated for each band. 100% modulation; 250-3000 cps response. Full meter switching. Takes high-impedance mike. TVI suppressed. 9 1/2"x15 1/2"x14". Less crystal, mike and key. For 110-120 v., 50-60 cycle AC. Wt., 54 lbs. \$17 Monthly.

90 SZ 124J. Factory Wired. NET 359.50
90 SZ 125J. Kit Form. \$13 Monthly. NET 249.50



"CHALLENGER" TRANSMITTER

MODEL 240-182-2. Ideal for fixed or portable use, the Challenger features 6-band operation on CW and AM phone. Inputs: 70 watts phone on 80-6 meters, 120 watts CW on 80-10 meters, and 85 watts CW on 6 meters. Efficient, "straight-through" final uses 2-6DQ6A tetrodes. bridge neutralized. Has pi-network output for 40-600 ohm antennas, and front-panel socket for plugging in crystal or external VFO. Instant bandswitching. Effectively shielded and filtered to prevent TVI. Less crystal, mike and key. 15 1/2"x13 1/2"x12 1/4". For 110-120 v., 50-60 cycle AC. Wt., 31 lbs. \$9 Monthly.

90 SU 503J. Factory Wired. NET 169.75
90 SU 504J. Kit Form. \$7 Monthly. NET 124.75



240-181-1



250-40

"ADVENTURER" TRANSMITTER

MODEL 240-181-1. This low-cost CW transmitter runs 50 watts input to an 807 final on the 80 through 10-meter bands. Easy to assemble and operate, it has single-knob bandswitching, TVI shielding and filtering, wide range pi-network, grid/plate metering and simultaneous keying. Crystal or external VFO control. Less crystal and key. 8 1/2"x10 1/2"x7 1/2". Fused power supply for 110-120 v., 50-60 cycle AC. Wt., 19 lbs. \$5 Monthly.

90 SX 505J. Kit Form. NET 69.95
MODEL 250-40 SPEECH AMPLIFIER MODULATOR. For above or similar transmitters. Screen mod. Plus 9s In. Less mike. 4 1/2"x4 1/2"x4". 1 lb.
90 S 506J. Kit Form. NET 12.25



Use with your low-frequency rig to work VHF—prevent costly duplication of gear

"6N2" VHF TRANSMITTER

\$194⁵⁰

- 100-150 Watts Input on 6 and 2 Meters
- TVI Suppressed

MODEL 240-201-2. Bandswitched 6 and 2-meter transmitter. Inputs, 150 w. CW and 100 w. AM phone. Uses power supply/modulator of your low-freq. transmitter. Requires 6.3 v. at 3.5 amps. 300 v. DC at 70 ma, 300-750 v. DC at 200 ma, plus 30 w. of audio. Crystal or external VFO control. Has 2-meter parallel lines. link output. For 8-mc input. Less crystal, mike, key. Size, 8 1/2"x13 1/2"x8 1/2". Wt., 14 lbs.

90 SU 507J. Factory Wired. \$10 Monthly. NET 194.50
90 SU 508J. Kit Form. \$8 Monthly. NET 149.50



- "6N2" VHF VFO
- Replaces 8-9 Mc Crystals
- Calibrated for 6 and 2
- Stable—Compact

MODEL 240-133-2. Replaces 8 to 9-mc crystals in multiplying 6 and 2-meter transmitters, including overtone-osc. types. Has 6BH6 osc., VR tube. Output, 7.995-9.010 mc. Requires 250-300 v. DC at 10 ma, 6.3 v. at 0.3 a. 5x4x4 1/2". 3 lbs.

90 S 509J. Factory Wired. \$5 Monthly. NET 54.95
90 S 510J. Kit Form. \$5 Monthly. NET 34.95

from the JOHNSON VIKING Transmitter Line

Viking



AW/CW—5 Bands



2000 Watts PEP!



"500" TRANSMITTER

MODEL 240-500-2. Bandswitched 500-to-600 watt transmitter covering the 80 through 10-meter bands. Consists of two compact units: an RF section with built-in VFO and efficient 4-400A final; and rugged power supply/modulation unit (not illus.). Inputs: 600 watts CW, 500 watts AM phone, 500 watts PEP on SSB (with any 3-watt exciter—not supplied). All operating controls are conveniently located on the RF-unit's front panel.

Exciter stages are gang-tuned to the highly stable VFO—transmitter also may be crystal controlled. Wide-range pi-L output circuit with silver-plated final tank coil provides excellent harmonic suppression; loads virtually any antenna. Effectively TVI suppressed and filtered. Two panel meters permit monitoring of all transmitter functions. Time-sequence keying for clean break-in work.

Other highlights: high-gain push-to-talk audio system with low-level clipping; phone patch input; fused filament/plate supplies, excitation/bias failure protection, etc. VFO has 6:1 planetary drive—calibrations for each band are divided into 10-kc increments. Sizes: RF unit, 11 $\frac{3}{4}$ "x21 $\frac{1}{2}$ "; power supply/mod., 15 $\frac{1}{2}$ "x20 $\frac{3}{4}$ "x10 $\frac{1}{2}$ ". For 115 or 230 v., 50-60 cycle AC. 200 lbs. No Money Down.
90 SZ 511-2J. Factory Wired.....NET 1050.00

"THUNDERBOLT" LINEAR

MODEL 240-363-2. A top-quality, bandswitching linear amplifier providing 2000 watts PEP input on SSB, 1000 watts CW, and 800 watts AM linear. Offers continuous coverage from 3.5 through 30mc. Completely self-contained—an efficient, flexible tabletop unit. Drive requirements: 10 watts in class AB5 linear, 20 watts CW.

Employs 2 parallel 4-400 A tetrodes, bridge neutralized, pi-network matches 40 to 600-ohm loads. Fully TVI suppressed. Has 2 cooling fans, 2 panel meters, voltage-regulated screen and bias supplies, and plate power supply. Sturdy maroon and gray steel cabinet. 11 $\frac{3}{4}$ "x21 $\frac{1}{2}$ ". For 115 or 230 v., 50-60 cycle AC. 140 lbs. No Money Down.

90 SZ 512-3J. Factory Wired.....NET 659.00
90 SU 120. For 6 and 2 meters.....NET 549.50

WE'RE TRADING HIGH!

Yes, we're making bigger and better trades on used gear. Write today—tell us about your trade-in and what new equipment you require. You'll get a terrific deal from Allied!

"INVADER" TRANSMITTER

MODEL 240-302-2. Popular transmitter/exciter for SSB, CW and AM work on 80, 40, 20, 15 and 10 meters. Delivers 200 watts SSB/CW input and 90 watts AM. Special high-frequency bandpass crystal filter provides more than 60 db unwanted sideband suppression and 55 db carrier suppression. Instant band-switching. Stable, calibrated VFO is differentially compensated. RF-controlled audio AGC and ALC (limiter type) give extra speech power—has reserve gain for crystal and dynamic mikes. Mixer-type shaped keying is sharp and click-free. Internal relay controls antenna relay, receiver, built-in VOX, push-to-talk and anti-trip. Single-knob wide-range pi-network, TVI suppressed. Easy to operate—just tune for maximum RF output. 11 $\frac{3}{4}$ "x21 $\frac{1}{2}$ ". Built-in supply for operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 67 lbs. No Money Down.

90 SZ 513J. Factory Wired.....NET 619.50

MODEL 240-303-2. "HI-POWER CONVERSION" UNIT. Converts Invader to 2-kw PEP desk-top transmitter. With power supply. 11 $\frac{3}{4}$ "x19 $\frac{1}{2}$ "x14 $\frac{1}{2}$ ". Wt., 116 lbs. No Money Down.

90 SZ 514J. Factory Wired.....NET 619.50

MODEL 240-304-2. "INVADER-2000." Consists of both units above. 183 lbs. No Money Down.
90 SZ 143J. Factory Wired.....NET 1229.00



Cover 6 and 2 Meters



VIKING STATION ACCESSORIES

A VIKING "6N2" CONVERTERS. Compact VHF converters for efficient 6 and 2-meter reception with any communications receiver. Provide instant, front-panel bandswitching from normal low-frequency receiver operation to either 6 or 2-meter operation. Crystal-controlled broadband type—simply tune receiver to cover VHF bands. All provide full band coverage, except *50-52 and 144-146 mc coverage.

Uses 6ES8 dual-triode RF amplifier in neutralized cascode circuit, for maximum sensitivity and low noise. Excellent image and IF rejection due to double-tuned, overcoupled interstage circuits on both 6 and 2 meters. Manual RF gain control, plus mixer grid-leak self-regulating action, prevent overloading. Minimum cross-modulation. Cabinet, 5x2 $\frac{1}{2}$ "x12". Fused, transformer-type power supply for 110-120 v., 50-60 cycle AC. Wt., 5 lbs.

MODELS IN KIT FORM

Stock No.	Model No.	For Receivers Covering:	NET EACH
90 S 515J	250-43-1	26 to 30 Mc.	59.95
90 S 516J	250-43-2*	28 to 30 Mc.	
90 S 517J	250-43-3	14 to 18 Mc.	

FACTORY-WIRED MODELS

90 S 518J	250-43-12	26 to 30 Mc.	89.95
90 S 519J	250-43-22*	28 to 30 Mc.	
90 S 520J	250-43-32	14 to 18 Mc.	

B ROTARY INDUCTORS. Permit extreme flexibility in RF amplifiers. In single-ended types, will tune all frequencies from 1.5 to 30 mc. In antenna loading or phasing circuits, furnish large value of continuously variable inductance. 1 $\frac{1}{2}$ lbs.

Stock No.	Type	Size	Max. μ h	NET EACH
60 H 372	229-201	4 $\frac{3}{4}$ " x 2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	10	10.75
60 H 373	229-202	5 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	18	11.75
60 H 374	229-203	7 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	28	12.50

C MODEL 250-37 DIRECTIONAL COUPLER. Monitors SWR/relative power in 52-ohm lines. Rated 1 kw. 1.7-150 mc. Use with multimeter, or indicator below. SO-239 fittings. 6 $\frac{1}{2}$ "x2 $\frac{1}{2}$ ". 2 lbs.
90 S 521.....NET 11.75

D MODEL 250-38 INDICATOR. 0-100 μ a meter reads SWR/relative power. 4 $\frac{3}{4}$ "x4 $\frac{1}{2}$ ". 4 lbs.
90 S 522. \$5 Monthly.....NET 25.00

E MODEL 250-42-1. ATTENUATOR. T-pad providing 6 db attenuation. Max. dissipation, 45 watts (120 w. with 75-w. bulb); max. input, 60 w. 350-ohm SO-239 sockets. 3 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x9 $\frac{1}{2}$ ". 2 lbs.
90 S 523. \$5 Monthly.....NET 21.50

MODEL 250-42-3. Similar to above, but handles 70 w. input. 50-ohm impedance. Wt., 2 lbs.
90 S 524. \$5 Monthly.....NET 21.50

F MODEL 250-20 LOW-PASS FILTER. TVI filter with 4 shielded sections. Handles over 1 kw 75-db attenuation of harmonics and spurious signals above 54 mc. Insertion loss less than $\frac{1}{2}$ db. 52-ohm impedance. SO-239 fittings. 9x2 $\frac{1}{2}$ "x6". 3 lbs.
90 S 525.....NET 14.95

G MODEL 250-28 CRYSTAL CALIBRATOR. Tiny frequency standard to produce 100-kc check points up to 55 mc. Has trimmer for zero-beating WWV. With 6BH6 tube, crystal, cable, extension leads. 3 $\frac{3}{4}$ "x2 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ". Requires 6.3 v. at 15 amp and 150-300 v. at 2 ma. Wt., 1 lb.
90 S 526. Factory Wired.....NET 18.95

H MODEL 250-23-3 275-WATT "MATCHBOX." For 80-10 meters. Matches 25-1500 ohm balanced antennas and 25-3000 ohm unbalanced antennas. Has directional coupler and indicator. Continuously monitors incident or reflected (SWR) power. Coax input; 52-ohm imp. Handles to 750 w. PEP input. Transmitter-receive relay. 7x9 $\frac{1}{2}$ "x10 $\frac{1}{2}$ ". 13 lbs.
90 SX 527J. \$5 Monthly.....NET 94.95

250-30-3. Above, for 1 kw CW/AM and 3 kw PEP input. Takes balanced lines from 50-1500 ohms, unbalanced from 50-2000 ohms. 10 $\frac{1}{2}$ "x17 $\frac{1}{2}$ "x12 $\frac{1}{2}$ ". 27 lbs.
90 SU 528J. \$8 Monthly.....NET 154.50

MODEL 250-23. Same as 250-23-3, but less directional coupler and indicator. Wt., 11 lbs.
90 SX 529J. \$5 Monthly.....NET 64.95



Really Compact



Achieve Peak Performance on SSB



★HQ-170AC RECEIVER

\$379⁰⁰

- Triple Conversion
- 160 to 6 Meters
- 60-db Slot Filter

NEW! MODEL HX-50
FILTER-TYPE
TRANSMITTER

- 130 W. PEP Input
- 80-10 Meters
- 3-Element Pi-Net
- Highly Stable

\$399⁵⁰

\$18 monthly

Loaded with design extras, the compact HX-50 offers coverage of the Ham bands 80-10 meters at modest cost. Rated at 130 watts PEP and CW input. Output is 50-65 w. with 90 w. DC input on SSB/CW; AM is 25% of above values. Overlap of internal VFO ranges provided by crystal or external VFO operation. Stability, less than 250 cps after warmup. Internal VFO range, 5950-6550 kc; other oscillators crystal controlled. At least 50 db suppression of carrier and sideband. Bandpass couplers in low-level stages. Bandwidth: 2.7 kc at 6 db down. Antenna changeover, VOX, anti-trip, many other features. Size, 9 1/2 x 17 1/2 x 19". For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 45 lbs.
90 SU 539-J. \$18 Monthly.....NET 399.50

NEW! MODEL HXL-1
LINEAR
AMPLIFIER

- 1 Kw PEP Input
- 80-10 Meters
- 3-Element Pi-Net
- Matches HX-50

\$375⁰⁰

\$18 monthly

Extreme simplicity of design, rugged construction and peak-power performance combine to keynote this outstanding new linear! A splendid mate for the HX-50 at left, the HXL-1 gives full SSB/CW/AM coverage of the 80 through 10-meter Ham bands, with provision for 160 meters when used with accessory kit. Efficient grounded-grid circuit uses high-dissipation output tube and adjustable 3-element pi-network. Panel meter reads PA grid/plate and relative RF power output. Has standby bias supply for complete cut-off during receive; relays for "exciter only" or amplifier operation; power supply, with silicon rectifiers, for 105-125 v., 50-60 cycle AC. Size, 9 1/2 x 17 1/2 x 19". Shpg. wt., 105 lbs.
90 SU 541-J. \$18 Monthly.....NET 375.00

Just-announced model of this renowned Ham-band receiver with improved electrical/mechanical stability, socket for 6-meter preselector, and 144-mc calibrations for any 2-meter converter having 50-54 mc output. Covers 160-8 meter Ham bands with 7 selectivity positions, slot filter, product detector, selectable AVC and USB/LSB, 100-kc calibrator, "Auto-Response," clock-timer. Dual conversion, 160/80 meters. 10 1/2 x 19 x 13". Less speaker. For 105-125 v., 50-60 cycle AC. Wt., 45 lbs.
90 SU 543-J. \$18 Monthly.....NET 379.00

MODEL HQ-170A. Above, less clock-timer.
90 SU 548-J. \$17 Monthly.....NET 369.00

ACCESSORY NOISE SILENCER. For HQ-170 and HQ-180 series receivers. 2 lbs.
90 S 549. \$5 Monthly.....NET 33.50

SLOT-FILTER SELECTIVITY PLUS 6-STEP CRYSTAL FILTER



★★HQ-145XC RECEIVER

A quality receiver for the Amateur who wants fine general-coverage and Ham-band reception, and for the critical shortwave listener who demands top performance. Sensitive superhet circuit covers 540 to 30 mc in 4 bands, with dual conversion from 10 to 30 mc for high image rejection. Calibrated electrical bandspread for 80 through 10-meter Ham bands with CB channel markings and 0-100 logging scale. Six-position crystal filter plus adjustable 60-db slot filter. Sensitivity, 1.75 μV AM and .6 μV CW for 10 db S/N. Provision for crystal-controlled reception on 1 frequency for WWW, CB channel, etc. (Less crystal.)

Has ANL, automatic audio passband control. S meter, temperature-compensated variable BFO, crystal-controlled 2nd converter, AVC, clock-timer. 10 1/2 x 19 x 13". Less S-200 speaker (right). For 105-125 v., 50-60 cycle AC. Wt., 42 lbs.
90 SU 550-J. \$14 Monthly.....NET 279.00

MODEL HQ-145X. Above, less clock-timer.
90 SU 551-J. \$14 Monthly.....NET 269.00

MODEL XC-100 PLUG-IN CRYSTAL CALIBRATOR. Provides 100-kc markers. For above. 12 oz.
90 S 552.....NET 15.95



100 Watts PEP on 5 Bands

HX-500 TRANSMITTER

An excellent example of careful engineering, the HX-500 transmitter provides complete facilities for SSB, CW, NBFM, DSB (AM), and FSK for RTTY and keying identification. Power output is 100 watts on SSB (PEP) and CW, 25 watts on AM. VFO covers all Amateur bands 80 through 10 meters in 8-500-kc segments; dial calibrations readable to 200 cps or better. After warm-up, stability is better than 100 cps.

All modulation is accomplished at 60 cps for superior stability and rejection of unwanted sideband. Special ferrite tuning core eliminates need for temperature-compensating components in oscillator circuit. Carrier suppression and unwanted sideband suppression are 50 db or better. Spurious frequencies are down 50 db or better. 3rd and 5th order distortion down 30 db or better.

Also has automatic audio level control, antenna changeover relay. 2-6146s in final with 50-ohm pi-network, VOX and anti-trip, etc. Completely TVI-proofed. With 16 tubes, 4 rectifiers, VR, and 8 heterodyning crystals. Size, 11 1/2 x 19 1/2 x 18 1/2". For 105-125 v., 50-60 cycle AC. Wt. 95 lbs.
90 SZ 553-J. No Money Down.....NET 695.00



★★HQ-180C RECEIVER

Precision communications receiver combining true SSB reception with general coverage—has every refinement for superb SSB, CW and AM performance. Covers 540 kc to 30 mc in 8 ranges with 10 through 80-meter Ham bandspread. Triple conversion, 7.85 to 30 mc; dual conversion below. Average sensitivity, 1 1/2 μV AM or 1/2 μV CW for 10 db S/N.

Deluxe features include: 3035-kc crystal filter; crystal-controlled 1st converter; 7 selectivity positions; 60-db slot filter; selectable USB/LSB and AVC action; linear product/diode detectors; 100-kc calibrator; "Auto-Response"; ANL; clock-timer; 15 tubes; rectifier, VR. 10 1/2 x 19 x 13". Less speaker. For 105-125 v., 50-60 cycle AC. Wt., 45 lbs.
90 SU 554-J. \$19 Monthly.....NET 439.00

MODEL HQ-180. Above, less clock-timer.
90 SU 555-J. \$19 Monthly.....NET 429.00

MODEL HQ-180XE. Universal model with provision for 11 fixed-frequency crystals, 8 interchangeable from front. For 115/230 v., 50-60 cycle AC.
90 SU 573-J. \$21 Monthly.....NET 499.50

MODEL 8-200 SPEAKER. Matches HQ-145, HQ-170 and HQ-180 series receivers. 11x12x9". 9 1/2 lbs.
90 SX 656-J. \$5 Monthly.....NET 19.95

of Quality Equipment



HQ-110AC . . .
Quality SSB /CW
and AM Reception
on the Ham Bands
160 to 6 Meters

HQ-100AC . . .
Independently
Controlled,
Continuously
Variable BFO,
Q Multiplier



★**HQ-110AC 7-BAND AMATEUR RECEIVER**

Newest model of this popular, dual-conversion receiver designed just for the Ham. Now features improved electro-mechanical stability, accessory socket for 6-meter preselector, and calibrated 2-meter scale for any 2-meter converter having 50-54 mc output. Receives SSB, CW and AM with full calibrated coverage of the 160, 80, 40, 20, 15, 10 and 6-meter bands. Has "Auto-Response" circuit, Q multiplier, 100-kc crystal calibrator, separate linear detector for SSB /CW, crystal-controlled 2nd converter, voltage-regulated and temperature-compensated HFO, ANL, clock-timer. Separate stable BFO for SSB and CW. Dual conversion. 6-40 meters. Sensitivity, $1\frac{1}{2} \mu\text{v}$ for 10 db S/N, 10 tubes; VR, rectifier. $97\frac{1}{2} \times 16\frac{1}{2} \times 9\frac{1}{2}$ ". FCDA No. R-16. Less speaker. For 110-120 v., 50-60 cycle AC. 31 lbs.
90 SU 657-J. \$13 Monthly NET 259.00

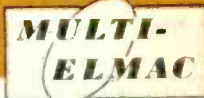
90 SU 658-J. HQ-110A. Above, less clock-timer. \$13 Monthly . . . NET 249.00
90 SX 659-J. S-100 SPEAKER. For HQ-110/HQ-100 series. 10 lbs. NET 14.95

★★**HQ-100AC GENERAL-COVERAGE RECEIVER**

This latest version of the famous HQ-100C receiver brings you Hammarlund quality at moderate cost. Covers 540 kc to 30 mc in 4 ranges with outstanding sensitivity, selectivity and stability for its class. "Auto-Response" circuit automatically adjusts audio bandwidth to suit receiving conditions. Independently controlled, continuously variable BFO and Q multiplier—permit simultaneous use of both. Selectivity variable from 100 cps to 3 kc. Calibrated electrical bandspread for 80 through 10-meter Ham bands, with CB channel markings and logging scale. Sensitivity, $1.75 \mu\text{v}$ for 10 db S/N. Voltage-regulated, temperature-compensated HFO, AVC, clock-timer. With 8 tubes; VR tube, rectifier. $97\frac{1}{2} \times 16\frac{1}{2} \times 9\frac{1}{2}$ ". FCDA No. R-16. Less S-100 speaker, above. For 105-125 v., 50-60 cycle AC. 31 lbs.
90 SU 660-J. \$11 Monthly NET 199.00

90 SU 661-J. HQ-100A. Above, less clock-timer. \$10 Monthly . . . NET 189.00
90 S 622. XC-455 CRYSTAL-CONTROLLED BFO. For HQ-100AC and HQ-100A, above. Provides single-signal CW reception. Wt., 1 lb. NET 15.95

Complete 6-Band Mobile/Portable/Fixed Station



**WORKS CW and AM PHONE
ON 80 THROUGH 6**



PMR-8



AF-68



M-1070

Equipment
Operates on
115 VAC
at Home . . .



and on 6/12 VDC tool

★**MODEL PMR-8 RECEIVER**

A perfect mate for the AF-68 Trans-citer (right), the PMR-8 double-conversion superhet offers stand-out reception at home or away! Covers the same 6 Ham bands—80, 40, 20, 15, 10 and 6 meters (50-52 mc)—plus standard AM broadcast from 540 to 1650 kc. Has crystal-controlled 2nd converter for high stability. Fine skirt selectivity achieved from 282-kc high-Q IF transformers—selectivity is 6 db down at 3 kc and 90 db down at 12 kc. 1st IF, 2238 kc.

Outstanding sensitivity and low-noise performance; sensitivity is $\frac{1}{2} \mu\text{v}$ for 10 db quieting and 500 mw output. The space-conserving PMR-8 also includes: calibrated variable BFO with upper and lower side-band selection; delayed AVC; tuned RF stage; automatic noise limiter; illuminated slide-rule dial; headphone jack; and antenna input for 52 or 72-ohm cable. Drift kept to minimum via temperature compensation and regulated oscillator plate and filament voltages. Filament string for 6 or 12 volts.

Controls: main tuning; BFO-sideband selector; RF gain; audio gain; bandswitch; antenna trimmer; AM-SSB /CW switch; ANL switch. Tubes: 6DK8 RF amp; 6BE6 1st converter; 6CA local oscillator; 6BE6 2nd converter /crystal osc; 6BJ6 IF amp; 6BJ7 detector /AVC /noise limiter; 6AW8 BFO /1st audio; 6AQ5 audio output. Just $4\frac{1}{2} \times 9\frac{1}{2} \times 7\frac{1}{2}$ ". Less M-1070 or M-1071 power supply (right), speaker. 11 lbs.
90 S 662-J. \$10 Monthly NET 189.50

MODEL AF-68 60-WATT "TRANS-CITER"

Compact unit which can serve as an exciter, speech amplifier, VFO, driver, or a complete low-powered 6-band transmitter—a superb companion for the PMR-8 and M-1070. One control bandswitches all stages for convenient and complete coverage of all Ham bands from 80 through 6 meters. Runs 60 watts maximum input to a 6146 power amplifier on both CW and AM phone. Built-in temperature-compensated VFO operates on 1.75 mc for 80 meters, and on 3.5 mc for the other 5 bands covered. Five-circuit meter provides illuminated readings of PA grid current (off-on), plate voltage, modulator plate current, and final plate current. Uses coaxial connector and universal

pi-network output circuit to match a wide variety of impedances. VFO dial has separate calibrations for each band. Untuned crystal oscillator takes any crystal that will work straight through, double or quadruple to desired operating frequency. Socket for 2 crystals. (8 or 12-mc crystals recommended for 6 meters). Has switches for VFO /crystal, VFO spot-tuning, bands, meter functions, AM /CW, and high or low-impedance mike. Many other extras! Attractively styled cabinet, in charcoal with chrome trim. Is only $6\frac{1}{2} \times 13\frac{1}{2} \times 7\frac{1}{2}$ ". Less power supply, cable and connectors, below. Wt., 20 lbs.
90 SU 663-J. \$11 Monthly NET 205.00

MODEL M-1070 POWER SUPPLY AND CABLES

M-1070 POWER SUPPLY. Rugged, factory-wired unit for mobile, portable and fixed use—will easily power both the PMR-8 and AF-68. Has vibrator, silicon rectifiers, hash suppression, OC filtering, built-in primary and transmit/receive relays. AC-Off-DC switch. Fully fused. $6.8 \times 5\frac{1}{2}$ ". For 6 or 12 v. DC and 110-120 v., 60 cycle AC. Wt., 15 lbs.
90 S 204-J. \$5 Monthly NET 69.50

90 S 249-J. M-1071 POWER SUPPLY KIT. Same as M-1070, but in kit form NET 49.50
90 S 252. WH-6 POWER CABLE AND CONNECTOR ASSEMBLY. 9 feet long. Connects PMR-8 and AF-68 to M-1070/M-1071. Wt., 2 lbs. NET 16.00
90 S 255. WH-20. Identical to above, but 23 feet in length NET 24.00

Amateur Equipment Values by *knight-kit*, R. L. Drake, . . .



DRAKE 2-B COMMUNICATIONS RECEIVER

- Superior Ham-Band Reception at a Modest Price
- Passband Tuner—.5/2.1/3.6 kc Switchable Bandwidths
- Stability Plus—Drift Under 100 cps After Warmup

Only recently introduced, this improved version of the precision Drake 2-A has already earned tremendous acclaim from critical Amateurs everywhere! Has all the qualities of its predecessor plus many more—including selective movable-passband tuner with 3 switchable bandwidths, speeded-up AVC for CW monitoring and fast break-in operation, series-diode noise limiter for AM, and power supply for 120/240 v. AC. Steep-sided bandwidths of 0.5, 2.1 and 3.6 kc at 6 db down offer peak SSB, AM and CW reception with full RF gain, complete AVC action and accurate S-meter readings—selectivity only 2.75 kc at 60 db down. Covers 3.5-4.1, 6.9-7.5, 13.9-14.5, 20.9-21.5 and 28.5-29.1 mc with 3 crystals supplied. Low-frequency VFO and triple-conversion circuit with crystal-controlled 1st converter maintains superb stability. Drift is less than 400 cps from cold start, less than 100 cps after warmup. Sensitivity, $\frac{1}{2}$ μ v for 100 S/N. Continuous sideband selection without retuning. Choice of slow or fast AVC and product or diode detector. A compact 7x12x9". Less speaker, calibrator, Q multiplier. Available on special order: crystals for 28.0-28.6, 29.1-29.7 and any other 600-kc non-Ham ranges from 3.5 to 30 mc. For 120/240 v., 50-60 cycle AC, 15 lbs.

90 SU 450-J, \$14 Monthly.....NET 279.95

A FEW OF ITS STANDOUT FEATURES



Continuously Movable 3-Step Selectivity



Provision for 12 Crystal-Controlled Bands



Sensitivity, μ v for 10 db S/N



Triple Conversion



Independently Tuned Preselector



Fast and Slow AVC Circuit



Series-Diode Noise Limiter



Accurate Dial Calibrations



5 Extra 600-kc Ranges

ACCESSORIES



2-BQ

MODEL 2-BQ COMBINATION Q MULTIPLIER AND DELUXE 6" SPEAKER. Q multiplier provides single-signal CW reception, notches QRM. 5 $\frac{1}{2}$ lbs. 90 S 172.NET 39.95



2-AC

MODEL 2-AC 100-KC CRYSTAL CALIBRATOR. Plugs into Drake 2-B receiver—no soldering or wiring. Gives clear marker signal every 100 kc up to 30 mc. Controlled by front-panel slide switch on receiver. Wt., 5 oz. 90 S 180.NET 16.95

90 S 182. **MODEL 2-BS MATCHING 6" SPEAKER.** 4 $\frac{1}{2}$ lbs.NET 16.95



P & H

DI-1

LA-400-C



MODEL DI-1 RF DISTORTION INDICATOR

Quality scope to check linearity and carrier/sideband suppression of SSB exciters, linear amplifiers, etc. Displays trapezoid and envelope patterns. Useful as AM percentage indicator. Has 3" CRT with full mu-metal shield, green filter, sealed bezel. Handles up to 2 kw, 160 through 6 meters. Built-in low and high-voltage hum-free power supply. Rear connections for 50-70 ohm coax and all functions. Model TT-1 (optional accessory, below) supplies signal for two-tone linearity test. For 115 v., 60 cycle AC. Wt., 15 lbs.

90 SX 183-J, \$5 Monthly.....NET 99.95

90 SX 187-J. TT-1 TWO-TONE OSCILLATOR. Plugs into above. 2 lbs.NET 19.95

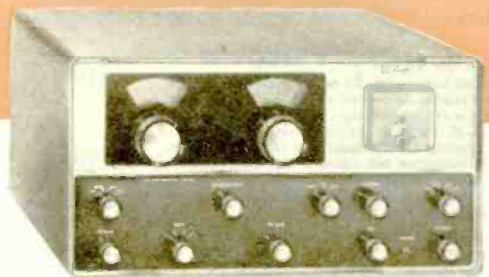
MODEL LA-400-C LINEAR AMPLIFIER

Popular grounded-grid linear amplifier offering up to 800 watts PEP input at minimum cost. Utilizes straightforward design, modern styling and highest quality components throughout. May be driven up to 800 w. PEP with 100 w. exciters; up to 500 w. input with 30 w. exciters. For SSB, DSB, linear AM, CW, PM and FSK operation. Completely bandswitched unit covers all Ham bands 80 through 10 meters. Has 4 modified 1625 tubes, 3-element pi-network, multipurpose panel meter, and built-in heavy-duty power supply. TVI-suppressed and parasitic-free. Gray crinkle cabinet. 9x15x10 $\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Wt., 52 lbs.

90 SZ 284-J, Factory Wired, \$11 Monthly.....NET 219.95

90 SZ 286, Kit Form, \$9 Monthly.....NET 179.95

NEW *knight-kit* R-100A



★★R-100A COMMUNICATIONS RECEIVER KIT

The R-100A has all the extras that made the R-100 a DX-getting favorite with the Ham fraternity, plus up-to-the-minute panel and cabinet styling. Sensitivity is $\frac{1}{4}$ to $1\frac{1}{2}$ μ v throughout the shortwave spectrum, with full coverage from 540 kc to 30 mc. Has bandspread for the 80-10 meter Ham bands—tunes 150, too. Built-in Q multiplier works on all modes—CW, AM and SSB—to peak desired signal or null interference. Selectivity is continuously variable from 300 cps to 4 $\frac{1}{2}$ kc; 60-db notch really takes out QRM! Use of printed circuitry assures stable, reliable operation and easy assembly. Other highlights: exalted BFO for SSB, delayed AVC, ANL, printed-circuit bandswitch, and provision for building-in accessory crystal calibrator and S meter kits. With cabinet, tubes, all parts, wire, solder and step-by-step instructions. Less speaker. Wt., 31 lbs. See this catalog's *Knight-Kit* section for details on this and other value-plus Amateur Radio kits.

83 YU 406, \$5 Monthly.....ONLY 99.95

83 Y 423-J, S-METER KIT. Wt., 12 oz.....ONLY 12.95

83 Y 424-J, S-8A MATCHING SPEAKER KIT. Wt., 3 $\frac{1}{2}$ lbs.....ONLY 9.95

P&H, Eico, Mosley, Sonar, and Barker & Williamson

POPULAR EICO AMATEUR KITS

65 Watts on Phone with Add-On
730-K Modulator-Driver, Below



720-K TRANSMITTER KIT

This handsomely styled 90-watt CW transmitter kit is just the rig for seasoned veteran and newcomer alike. Covers 80, 40, 20, 15 and 10 meters with handy one-knob bandswitching. Sealed cabinet and careful bypassing and filtering provide effective TVI suppression. Works AM phone when used with Model 730-K accessory kit, below. Employs crystal-controlled 6CL6 oscillator, 6AQ5 buffer-multiplier and 6146 final amplifier protected by 6AQ5 clamper tube. Has built-in keying, pi-network output, and panel meter. 6x15x9". With all instructions. For 110-120 v., 60 cycle AC. Wt. 27 lbs.

90 SU 287J. Kit Form. \$5 Monthly. . . . NET 79.95
90 SU 288J. Wired. \$6 Monthly. . . . NET 119.95



723-K TRANSMITTER KIT

A fine low-cost 60-watt CW transmitter for the beginning or advanced operator. Covers the 80, 40, 20, 15 and 10-meter bands, running 60 watts input to a 6DQ6B neutralized final amplifier. Fully bandswitched, unit uses time-proven circuitry and up-to-the-minute design. 6CL6 oscillator is electron-coupled Colpitts type noted for low crystal heating and minimized effect of plate loading on frequency. Panel meter reads grid and plate circuit of final. Works AM phone at 50 watts input with optional Model 730-K, below. TVI suppressed. Output impedance, 50-1000 ohms. 6x8 1/2 x 11 1/2". With instructions. For 110-120 v., 60 cycle AC. Wt., 18 lbs.

90 SX 289J. Kit Form. \$5 Monthly. . . . NET 49.95
90 SX 290J. Wired. \$5 Monthly. . . . NET 79.95

★ MOSLEY MODEL CM-1 Dual-Conversion Receiver



OWN IT FOR JUST \$10 MONTHLY

Now . . . this famed antenna manufacturer brings you quality Amateur-band reception at a price within everyone's reach! Covers the 80-10 meter bands with dual conversion, crystal-controlled final oscillator, selectivity of 2 1/2 kc at -6 db and 1/2 μv sensitivity for 10 db S/N. Full 12' of bandspread on each band; 36' (3 segments) on 10 meters. Tunes WWV on 15 mc.

Functional panel layout and compact design will compliment any station. Less than 500 cps drift after warmup. 5 meter functions with BFO on or off. Has diode and product detectors, ANL, 35 db Image/IF rejection, 5 dual-purpose tubes; 4 diodes. Just 7 1/2 x 10 1/2 x 8". Less speaker. For 110-120 v., 50-60 cycle AC. 14 lbs.

90 SX 171J. \$10 Monthly. NET 182.70
90 S 189. CMS-1 SPEAKER. 4 lbs. 16.95

730-K UNIVERSAL MODULATOR-DRIVER KIT

(Not illus.) A versatile high-level unit at a very modest price. Ideal for use with CW kits above—will plate-modulate any transmitter having RF input up to 100 watts. Delivers 50 watts of undistorted audio. Multi-impedance output. Inputs for crystal or dynamic mike and phone patch. Unique overmodula-

tion indicator. With instructions. Less cover, below. For 110-120 v., 60 cycle AC. 21 lbs.

90 SU 291J. Kit Form. \$5 Monthly. . . . NET 49.95
90 SU 292J. Wired. \$5 Monthly. . . . NET 79.95
90 S 293. COVER. For above. 5 lbs. . . . NET 4.50

NEW! SONAR

Mono-Bander SSB Rigs



Selection of new one-band SSB transceivers for both mobile and fixed-station use. Each Mono-bander is rated at 150 watts PEP and 165 watts CW Input. Employs Collins mechanical filter and new RCA 7360 tube in balanced modulator circuit, for 2.1 kc selectivity. 50 db unwanted sideband suppression and 60 db carrier suppression. Receiver sensitivity, 1 μv for 10 db S/N. Also has: USB/LSB selection; VOX, anti-VOX and push-to-talk; automatic modulation control; full-time AVC; 4-way meter function. Compact 5 1/2 x 11 1/2 x 11 1/2". With crystal for 200-kc coverage. Less power supplies and accessories, below. 10-meter model available on special order. Av. wt., 10 lbs. \$18 Monthly.

90 SU 530J. 80-Meter Model. 90 SU 532J. 20-Meter Model EA.
90 SU 531J. 40-Meter Model. 90 SU 533J. 15-Meter Model 395.00
90 SU 534J. 117/220 VAC POWER SUPPLY w/built-in Speaker. Wt., 14 lbs. NET 135.00
90 SU 535J. 12 VDC POWER SUPPLY. Wt., 14 lbs. . . . NET 135.00
90 SU 538. CERAMIC MIKE. With coil-cord, plug. 1 lb. NET 17.90

NEW! B&W 6100 TRANSMITTER



All-new from Barker & Williamson: a transmitter engineered and built to give the discriminating Amateur licensee precision SSB, CW and AM operation! It employs a crystal-controlled frequency synthesizer, a crystal lattice filter, a novel ALC circuit and other highly desirable features. Frequency coverage: 3.5-4.1; 7.0-8.0; 14.0-15.0; 21.0-22.0; 28.0-29.0 and 29.0-30.0 mc. Maximum power inputs: 180 w. PEP on SSB, 180 w. DC on CW, 90 w. on AM linear. Unique B&W frequency synthesizer produces stability normally found only in costly commercial systems—temperature-matched crystals control the frequency, resulting in virtually driftless operation (no free running oscillators are used).

Crystal lattice filter method of sideband generation achieves excellent sideband suppression. ALC with adjustable threshold is applied to 2 stages, preventing overdrive of the output stage or power amplifier; gives 10 db of voice compression. Calibrations are on 3 digital dials for hundreds, tens and units of kc—"units" dial is continuously variable, with accuracy better than ±1 kc on any band. Drift: 100 cps or less during 15-min. warmup; ±25 cps any hour thereafter.

Instant choice of USB/LSB without retuning; also choice of VOX, push-to-talk or manual. Effective grid-block keying circuit for clean, chirpless CW without backwave. Distortion products, sideband/carrier suppression, spurious mixture signals, harmonics, and residual hum/noise are 40 to 55 db down. Parallel 6146s in final. Solid-state rectifiers in built-in power supplies for fine regulation and reduced heat dissipation. Ideal for use either as a complete 100-watt transmitter or as a driver for a high-powered grounded-grid final. Table-top cabinet 9 1/2 x 18 1/2 x 16". For 105-125 v., 60 cycle AC. Wt., 60 lbs.

90 SZ 294J. No Money Down. NET 875.00

Selected Amateur VHF Equipment

LINCOLN 6-METER TRANSCEIVER VALUE!

Technicians, Generals, new Hams... get in on the 6-meter fun this easy, inexpensive way! Allied's own Lincoln comes complete—all set to go, with mike, AC power supply and 50.2-mc crystal. Vernier tuning superhet covers entire band from 50 to 54 mc. Transmitter runs 7 watts input to fully modulated 6CX8 final amplifier, with tunable output network to match any 30-100 ohm antenna. Also has: front-panel socket for 3rd-overtone crystals, built-in TVI filter, adjustable noise limiter, and neon modulation indicator. Tubes: 6U8A RF amplifier/mixer; 6U8A oscillator/IF; 6AL5 detector/ANL; 6CX8 crystal

oscillator/RF output; 12AX5 AF/mike amplifier; 6V8GT AF output/modulator. Compact, good-looking cabinet is just 5 1/2 x 16 1/2 x 8 1/2". Supplied with mike, 50.2-mc crystal and built-in power supply for 110-120 v., 60 cycle AC. DC power supplies also available for mobile work (see below). Shpg. wt., 11 lbs.

90 SU 678-J. \$5 Monthly..... **ONLY 57.50**

90 S 679. 12-VOLT DC POWER SUPPLY. 2 1/2 x 5 1/2 x 4 1/2". Wt., 4 lbs. **NET 11.95**

90 S 680. 6-VOLT DC POWER SUPPLY. 2 1/2 x 5 1/2 x 4 1/2". Wt., 4 lbs. **NET 11.95**



LINCOLN



POLY-COMM '6' TRANSCEIVER

A new Polytronics 6-meter station with ceramic mike, fixed/mobile supply and under-dash mtg. bracket! "Mini-load" VFO maintains minimum drift. Dual-conversion receiver tunes 49.75 to 54.25 mc—2 nuvistor RF stages give .1- μ v sensitivity and 4-db noise figure. 10 watts output. 5x11x10". For 115 v., 60 cycle AC and 12 v. DC. Wt., 23 lbs.

90 SU 681-J. \$16 Monthly..... **NET 319.50**

90 SU 682-J. 115-VAC MODEL..... **NET 299.50**

POLY-COMM "Z". Two-meter version for 115 v., 60 cycle AC and 12 v. DC. 6 watts output.

90 SU 683-J. \$16 Monthly..... **NET 339.50**

90 SU 684-J. 115-VAC MODEL..... **NET 319.50**

POLY-COMM "62-B" TRANSCEIVER. Covers 6 and 2 meters. 18 w. input. 5x11x10". With under-dash mtg. bracket and ceramic mike. For 115 v., 60 cycle AC and 12 v. DC. Wt., 23 lbs.

90 SU 685. \$18 Monthly..... **NET 379.50**



P&H TRANSMITTING CONVERTER

MODEL 6-150. Avoid costly equipment duplication by "going VHF" this easy way—feed the 20-meter output of your SSB, AM or CW exciter into this unit for up to 175 w. PEP on 6 meters. May be crystal or VFO controlled, depending on exciter. Relative "pi-pad" and switchable "half-power pad" permit use with 5 to 100-watt exciters. Input to cross-neutralized push-pull 6117 output tube: 175 w. PEP SSB, 165 w. CW. 90 w. linear AM. Copper-plated chassis and shielding. Output jack furnishes oscillator signal injection for receiving converter. Has blower, 50-70 ohm input/output, power supply, multi-function panel meter. With crystal for 50.0-50.5 mc. For 110-120 v., 50-60 cycle AC. Wt. 45 lbs.

90 SX 273-J. \$15 Monthly..... **NET 299.95**

MODEL 2-150. Above, for 2-meter band.

90 SX 274-J. \$16 Monthly..... **NET 329.95**



CLEGG 95'er TRANSCEIVER

A top-notch 6-meter transceiver for both fixed and mobile work. Double-conversion superhet receiver utilizes 10 tuned circuits for outstanding sensitivity and selectivity with freedom from images and cross-modulation. High-level plate-screen modulated 7558 final amplifier works "straight through". Calibrated S meter accurately indicates signal strengths—also serves as tune-up meter.

Front-panel spot switch indicates transmitter frequency. Also has: ultra-stable crystal oscillator, flexible pi-network tank circuit, 5-to-1 vernier tuning, noise limiter, 100% modulation without splatter, TVI suppression. Overall noise figure, less than 4 1/2 db. Its 9 tubes and rectifier offer 14-tube performance! Use with 8, 12, 16 or 24-mc crystals, or external VFO. Size, 6x10x8". For 110-120 v., 60 cycle AC. Less mobile supply, below. Wt., 18 1/2 lbs.

90 SX 146-J. \$8 Monthly..... **NET 159.95**

80 F 263. C-O 6/1206 POWERCON CONVERTER. For 6/12 v. DC. Wt., 12 lbs. **NET 28.66**



NATIONAL "VFO-62"

A deluxe, self-powered 6 and 2-meter VFO designed for maximum stability and versatility. Use with transmitters having 8-mc oscillator circuits for full coverage of both the 50 and 144-mc bands. Frequency stability is better than 0.1% from cold start, and better than 0.005% after 30-minute warmup. Plugs into crystal socket of your transmitter. Vernier dial drive provides precise tuning.

Complete internal shielding eliminates all hand effects. Front-panel socket accepts 1-mc calibration crystal or your favorite transmitting crystal. Provision for remote standby-operate control. Housed in rugged gray plastic cabinet for maximum mechanical stability. Extremely low power consumption. Size, a compact 5 1/2 x 8 1/2 x 5 1/2". For 110-120 v., 50-60 cycle AC. Wt., 6 lbs.

90 S 696. \$5 Monthly..... **NET 49.95**



AMECO

CN

PV

PS-1W

AMECO VHF EQUIPMENT

MODEL CN-50W 6-METER CONVERTER. Deluxe converter employs 3 RCA nuvistors for extremely low noise figure and high gain. 2x2 1/2 x 8 1/2". Requires 100-150 v. @ 30 ma and 6.3 v @ 1 amp. (See PS-1W power supply, below). Wt., 2 lbs. \$5 Monthly.....

90 S 686. 14-18 Mc Output..... **NET 44.95**

90 S 687. 30.5-34.5 Mc Output..... **NET 44.95**

MODEL CN-144W 2-METER CONVERTER. Same as CN-50W, but for 2-meter band. 2 lbs. \$5 Monthly.....

90 S 688. 14-18 Mc Output..... **NET 44.95**

90 S 689. 30.5-34.5 Mc Output..... **NET 44.95**

MODEL CN-220W 1 1/2-METER CONVERTER. Shpg. wt., 2 lbs. \$5 Monthly.....

90 S 690. 14-18 Mc Output..... **NET 49.95**

90 S 691. 30.5-34.5 Mc Output..... **NET 49.95**

Other IF outputs available on special order.

MODEL PV-50 6-METER PREAMP. Nuvistor preamp. When used with present converter or receiver, can improve sensitivity and noise figure considerably. Requires 100-150 v. @ 10 ma and 6.3 v. @ 130 ma. Size, 2 1/2 x 2 1/2 x 3 1/2". Wt., 1 lb.

90 S 692...... **NET 13.95**

MODEL PV-144 2-METER PREAMP. Wt., 1 lb.

90 S 693...... **NET 13.95**

MODEL PV-220 1 1/2-METER PREAMP. Wt., 1 lb.

90 S 694...... **NET 13.95**

MODEL PS-1W POWER SUPPLY. Excellent for use with any of the above converters. 2 1/2 x 4 1/2 x 4 1/2". For 105-120 v., 60 cycle AC. Wt., 3 lbs.

90 S 695...... **NET 11.50**

TECRAFT VHF GEAR

MODEL TR-20/50 TRANSMITTER. (Not illus.). A 20-25 watt transmitter for 6 meters. Uses 8-mc crystals in Pierce oscillator—no tricky overtone circuits. No frequency multiplication in final amplifier stage for reduction of radiated harmonics. Has 6AU6 oscillator, 5763 buffer-doubler, 6360 amplifier, 12AX7 speech, 2-6AQ5 modulators. Requires 6.3 v. @ 3.89 amps and 250 v. DC @ 250 ma. (See PTR-2 power supply, below). Matches 52 or 72-ohm coaxial lines. Size, 5 1/2 x 9 1/2 x 5". With crystals. Wt., 5 lbs.

90 S 697. \$5 Monthly..... **NET 59.95**

MODEL TR-20/144 TRANSMITTER. Same as above, but for 2 meters. Has extra 5763 buffer-multiplier.

90 S 698. \$5 Monthly..... **NET 59.95**

TECRAFT PTR-2 POWER SUPPLY. For use with Model transmitters above; also Tecraft converters. Provides 6.3 volts @ 6 amps, 6.3 volts @ 4 amps, and 250 volts DC @ 250 ma. Has send/receive switch. Size, 5 1/2 x 9 1/2 x 6". For 110-120 v., 60 cycle AC. Wt., 17 lbs.

90 S 699. \$5 Monthly..... **NET 39.95**

Ham Station Accessories from Leading Manufacturers

LOW AND HIGH-PASS TVI FILTERS



A AMECO LN-2 LOW-PASS FILTER. Single-section filter handles up to 200 watts RF. For 52 to 72-ohm coax. Has 2—SO-239 connectors and bracket. $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 1 lb.
89 S 454. NET 3.75

B DRAKE TV-1000-LP LOW-PASS FILTER. Rated at 1 kw RF through 10 meters; 200 watts on 6 meters. Ideal for 6 meters—cutoff frequency is 52 mc. For 52-ohm coax. Wt., 2 lbs.
89 S 455. NET 16.95

DRAKE TV-100-LP. Above, rated at 100 watts through 10; 20 watts on 6. Wt., 1 lb.
89 S 456. NET 5.95

C BUD LF-601A LOW-PASS FILTER. 1 kw rating. For 52 or 72-ohm lines. Cutoff: 42 mc. Minimum attenuation: 85 db above 54 mc; 93 db above 70 mc. $12\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 2 lbs.
89 S 457. NET 16.90

D B&W 425 LOW-PASS FILTER. 1 kw rating. Two "M" end sections; 4 constant-K center sections. 85 db attenuation on TV channels; 100 db on channel 2. SO-239 coax fittings. $11\frac{1}{2} \times 2$ ". For 52-ohm lines. Wt., 5 lbs.
89 S 458. NET 17.10

B&W 426. Above, for 72-ohm lines.
89 S 459. NET 17.10

E DRAKE TV-300-HP HIGH-PASS FILTER. For any TV set having 300-ohm antenna input and 20 or 44-mc IFs. Attenuation, more than 40 db through 52 mc—highly effective on Amateur 6-meter interference. Iron-core, bifilar coils. Fully shielded. Size, $2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 8 oz.
91 C 160. NET 3.97

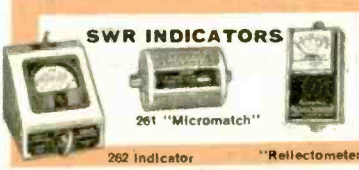
F DRAKE TV-300-FMT FM-BAND REJECTION FILTER. New unit rejects TV interference caused by FM stations operating from 88 to 108 mc. Reduces overload problems and "beats" between FM/TV stations. For 300-ohm VHF TV sets. Easy to attach and adjust. $2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 8 oz.
89 S 460. NET 2.55

G B&W 424 LOW-PASS FILTER. New low-cost 3-section filter for low-power Amateur transmitters. Rating, 100 watts maximum. Attenuation, at least 60 db above 35 mc and throughout TV and FM channels. Also reduces spurious frequencies in final grid circuit when installed between exciter and high-power amplifier. Consists of 2 "M" end sections and 1 constant-K center section. Range, 1.5 to 30 mc. Impedance, 52 or 72 ohms (reversible). Has SO-239 fittings. $5\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 1 lbs.
89 S 461. NET 8.65

H BUD HF-600 HIGH-PASS FILTER. Highly effective filter for TV sets with 300-ohm inputs. Rejects all signals below 42 mc. Easy to attach. $3\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 6 oz.
89 S 462. NET 4.85

J AMECO HP-45 HIGH-PASS FILTER. Attenuates all signals below 45 mc. Provides 40 db attenuation 14 mc and below; 20 db at 10 meters. Easily attached to any TV set with 300-ohm antenna input. $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 3 oz.
89 S 463. NET 95c

AMECO HPX-45 HIGH-PASS FILTER. (Not illus.) Deluxe 2-section model of above. Offers 80 db attenuation at 14 mc and below; 40 db at 10 meters. Negligible insertion loss. $2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". 5 oz.
89 S 464. NET 2.25



M. C. JONES 261 "MICROMATCH" ANTENNA COUPLER. For use with Model 262 Indicator below. Measures RF power and VSWR. Rated at 1 kw at 1:1 VSWR. Has 52-ohm, coaxial UHF-type connectors. Frequency range, 0.5 to 225 mc. Less than 0.1 db power loss. $3\frac{1}{2} \times 2\frac{1}{2}$ ". Wt., 1 lb.
89 S 465. \$5 Monthly NET 22.50

M. C. JONES 262 INDICATOR. Measures VSWR and relative power, forward or reflected, to 1000 watts. Sensitivity adjustable continuously from about 10 watts full scale to 1000 watts full scale. $4\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2}$ ". Wt., 2 lbs.
89 S 466. NET 14.50

CESCO CM-52 "REFLECTOMETER." Measures SWR on 52-ohm transmission lines. For continuous line insertion at powers from 25 to 1000 watts input. Range, 3 to 200 mc. Sensitive 0-100 μ a meter calibrated directly in SWR. Less than 1 db loss at 30 mc. Works with 10 watts at 7 mc and up; 5 watts at 100 mc and up. Has SO-239 connectors. $5\frac{1}{4} \times 3\frac{1}{2} \times 1\frac{1}{4}$ ". Wt., 2 lbs.
89 S 467. \$5 Monthly NET 29.95

CESCO CM-75 "REFLECTOMETER." For 75 ohms.
89 S 468. \$5 Monthly NET 29.95



AMECO CD-1 CONELRAD MONITOR. A low-cost unit for converting any receiver having AVC into an effective Conelrad alarm system. Loss of broadcast station carrier removes AVC from trigger tube, causing a clear warning tone to be sounded in the receiver. Function switch mutes radio for monitoring. Easy to install—no leads in radio to cut. Size, $3\frac{1}{2} \times 6\frac{1}{2} \times 2$ ". For 110-120 v., 50-60 cycle AC. Shp. wt., 2 lbs. A Valuable station accessory.
89 S 469. NET 14.95

ALLIED VINYL EQUIPMENT COVERS. Premium-quality covers to protect Amateur equipment from dust, moisture and tampering. Minimize maintenance problems. Keep gear looking like new. Of beautiful 8-gauge vinyl plastic. Extra-strong seams bound and tested—won't yellow or crack.

TYPE AE-12. Fits S-85, SX-99, SX-96, SX-100, SX-111, SX-110, S-108 and other equipment not exceeding $8\frac{1}{2} \times 18\frac{1}{2} \times 10$ " (HWD). Wt., 6 oz.
89 S 470. NET 1.75

TYPE AE-13. Fits HQ-170, HQ-180, HQ-145, NC-300, NC-303 and any other equipment not exceeding $11\frac{1}{2} \times 14\frac{1}{2} \times 7$ " (HWD). Wt., 6 oz.
89 S 471. NET 1.95



NEW MASTERCRAFTERS 7112 24-HOUR DESK/WALL CLOCK. Can be hung on wall or placed on desk. Ten-minute timer signals you to sign your call. Has face-plate for call and polar projection to tell time anywhere. Lgth., $9\frac{1}{2}$ ". U. L. Approved movement for 110-120 v., 60 cycle AC. Wt., 1 lbs.
89 SX 450. Price Includes F.E.T. NET 12.24

PENWOOD 100-24H DIRECT-READING CLOCK. Attractive 24-hour desk clock—shows time directly in numerals. In ebony plastic case. Size, $4\frac{1}{2} \times 4\frac{1}{2}$ ". For 110-120 v., 60 cycle AC. Wt., 3 lbs.
89 SX 474. Price Includes F.E.T. NET 16.34

89 S 475. MOEEL 124. Above, with call reminder. Buzzes every 10 minutes. NET 24.26

MASTERCRAFTERS 191 WORLD CLOCK. Top-value 24-hour wall clock. South polar map projection shows time anywhere. Chrome-plated case. 8" dia. For 110-120 v., 60 cycle AC. Wt., 1 lbs.
89 S 472. Price Includes F.E.T. NET 8.47

MASTERCRAFTERS 2324 WALL CLOCK. 24-hour clock with red 2nd hand, $13\frac{1}{2}$ " black case. U. L. Approved. For 110-120 v., 60 cycle AC. 5 lbs.
90 SX 147. Price Includes F.E.T. NET 9.97

89 SX 179. Above, in chrome case. NET 11.97

NEW PENWOOD 920-24H DIRECT-READING CLOCK. 24-hour type. Stainless steel case, walnut ends, $3\frac{1}{2} \times 7\frac{1}{2} \times 3\frac{1}{2}$ ". U. L. Approved movement for 110-120 v., 60 cycle AC. Wt., 3 lbs.
89 S 476. Price Includes F.E.T. NET 24.50

HALLICRAFTERS S-METER KIT

Easy-to-install S meter for panel mounting. For use with Hallcrafters S-40B, S-20R, S-40A, SX-62, S-77, S-77A, S-85, S-107, S-108 as well as many other receivers. Can be installed in any RF or IF stage with AVC action. $3\frac{1}{2} \times 2\frac{1}{2}$ " meter has black dial with white markings.

Meter has 2 scales: microvolt scale calibrated from 0-1000K and S-unit scale calibrated to 80 db over S9. Requires $2\frac{1}{2}$ "-dia. round hole for meter barrel and four $\frac{1}{8}$ " holes for mtg. studs. Can be separately mounted in individual meter case (see catalog index). Kit consists of a 5.0-millampere meter, 500-ohm pot for electrical zero-set, one 82-ohm $\frac{1}{2}$ -watt 10% resistor, one 330-ohm $\frac{1}{2}$ -watt resistor and easy instructions. Excellent for earlier model receivers lacking built-in S meters. Wt., 1 lb.
89 S 473. NET 12.00

Towers, Rotators, Antennas and Accessories



E-Z WAY Tiltover Towers

These famed E-Z Way antenna towers crank way up to snag DX, yet can be easily tilted over for access to array when adjustments are necessary. Sturdily constructed of heavy-wall high-tensile steel tubing with solid steel rod and continuous diagonal bracing. Electrically arc welded throughout. Lightweight and strong—withstanding winds of very high velocity. Resist twist and torque caused by constant starting and stopping of rotor and beam. When used with ground-post mounting kits below, mount in 5' hole; require no concrete base or external guying. When used with building-attached kit below, anchor to side of an adjoining structure.

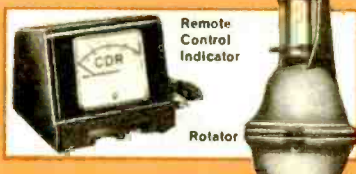
Will support a full-sized beam in winds of 60 mph or higher. Thrust bearing relieves rotor of all weight. All towers have hot-dipped galvanized surfaces except *Model RBS-40P, dip-painted surface. Accept CDR Ham-M rotor head (right). Other rotor heads are available on special order. Specify rotor to be used when ordering. Shipped by truck or rail F.O.B. Tampa, Fla., or Chicago, Ill., whichever is closer. Send full remittance on cash orders—no C.O.D. Towers are also available on Allied's Credit Fund Plan for no money down, low monthly payments, and up to 24 months to pay.

Stock No.	Model No.	Description	Ht. Ft.	Lbs.	NET EACH
89 CZ 827	RBS-40P*	Std. duty 2 sec.	41	180	169.50
89 CZ 828	RBS-40G	Std. duty 2 sec.	41	190	209.50
89 CZ 836	RBS-50G	Std. duty 2 sec.	51	235	279.50
89 CZ 854	RBX-60-3G	Heavy-duty 3 sec.	60	355	410.00

E-Z WAY GROUND-POST AND SIDE-MOUNTING KITS

For use with E-Z Way tiltover antenna towers, above. GPK type ("Wonder Ground Post") ground-post kits contain all necessary equipment for mounting towers in the ground, without use of concrete base or guy wires. Type BAK-S40 building-attached kit is for mounting tower alongside a building.

Stock No.	Model No.	Use With	Wt. Lbs.	NET EACH
89 CZ 866	BAK-S40	Any RBS Tower	10	10.50
89 CZ 894	GPK-S40	RBS-40P or G	150	75.00
89 CZ 895	GPK-S50	RBS-50G	195	90.00
89 CZ 897	GPK-X60-3	RBX-60-3G	345	120.00



Remote Control Indicator
Rotator

CDR HAM-M Rotator

- Handles Full-Size Beams
- Load Rating Over 1000 Lbs.
- Complete 360° Rotation
- Indicator Readable With Motor Off

Heavy-duty rotator system for support, control and rotation of the heaviest beam antennas commercially available—even in high winds. Features rugged stainless steel motor gears and pinions, 36 ball bearings, and solenoid brake release. Has electrical end-of-rotation power cutoff. Vertical load rating is over 1000 lbs.; heavy plates distribute stresses. Indoor remote-control indicator unit has large meter calibrated with compass points, and in 3° increments. Readable with motor off. Provides 365 inch-lbs. rotating torque; 3500 inch-lbs. braking. Rotator easily mounted on all std. towers. Accommodates 1/2 to 2" O.D. masts. Less control cable, below. For 115 v., 60 cycle A.C. 23 lbs.

89 SX 025. \$6 Monthly. NET 117.11

47 T 330. 100-FT. COIL OF BELDEN TYPE 8448 8-CONDUCTOR CABLE. For use with above system. Shpg. wt., 4 1/2 lbs. NET 6.27

AMECO FOLDED DIPOLE KITS

- Efficient/Low Loss
- Handle to 300 w.
- No Soldering
- Budget Priced
- With All Hardware



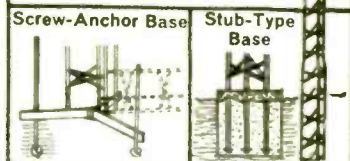
Each kit comes complete with low-loss twin-lead flat-top cut to desired frequency band, 75' of lead-in wire, and high-dielectric high-strength foiled-dipole connector block. Excellent impedance match assured. No soldering necessary—solderless terminals and hardware provided. Av. wt., 3 1/2 lbs.

Stock No.	Type	Bands (Meters)	NET EACH
89 SX 700	FD-10	10	3.50
89 SX 701	FD-20	15-20	3.95
89 SX 702	FD-40	40	4.95
89 SX 717	FD-80	80	6.75



SPAULDING Strato-Tower
Packaged Ham Towers

- All-Riveted Construction
- 100% Galvanized Steel
- Assembled 8-Ft. Sections
- Choice of Screw-Anchor or Std. Concrete Mtg.



SERIES HAX STANDARD TOWERS. Will support smaller-sized beam, rotator and clutch brake assembly. Factory-assembled 8-ft. sections; all-riveted construction. Heavy galvanized steel—withstanding greater wind-loading than similar standard towers. Top of HAX-48 is 10 1/2" across one side of triangle; bottom, 25" across. Choice of tri-channel screw-anchor hinge-over base or stub base. HAX-B types are free-standing towers with screw-anchor base—no concrete required. Others have base stubs for mtg. in concrete. All types are packaged with rotor plate and top plate assembly. Less mast. Shipped F.O.B. Frankfort, Ind. No C.O.D. orders; please send full remittance to Allied. Shipping charges will be collected on delivery.

Stock No.	Type	Ht.	Sec.	Lbs.	NET
90 CZ 438	HAX-32B	32'	4	184	76.70
90 CZ 439	HAX-40B	40'	5	229	98.91
90 CZ 440	HAX-48B	48'	6	367	135.61
90 CZ 441	HAX-32	32'	4	115	58.20
90 CZ 442	HAX-40	40'	5	160	79.91
90 CZ 443	HAX-48	48'	6	220	110.24

SERIES HDX HEAVY-DUTY TOWERS. Similar to above but of extra-heavy galvanized steel—support full-sized beams. Strong, durable and dependable. HDX-48 top is 12 1/2" (bottom 28") across one side of triangle. HDX-B types have screw-anchor base; others, base stubs for concrete mtg.

Stock No.	Type	Ht.	Sec.	Lbs.	NET
90 CZ 444	HDX-32B	32'	4	212	99.25
90 CZ 445	HDX-40B	40'	5	361	137.80
90 CZ 446	HDX-48B	48'	6	430	172.91
90 CZ 447	HDX-32	32'	4	143	76.75
90 CZ 448	HDX-40	40'	5	206	107.10
90 CZ 449	HDX-48	48'	6	280	142.21

TRANSMISSION LINE, COAXIAL FITTINGS, ANTENNA ACCESSORIES

A CONSOLIDATED RG COAXIAL CABLE. Highly dependable coax. Ideal for transmission lines and other RF applications. All types have black vinyl jacket, polyethylene dielectric, copper braid shield and bare copper conductor except RG11/U*, which has tinned copper conductor.

Stock No.	Type	Ohms	Mmf./Ft.	O.D.	Lbs. 100'	PER FT.
49 W 104	RG8/U	52	29.5	.405"	10 1/2	1.26
49 W 109	RG11/U*	75	20.5	.495"	10	1.16
49 W 113	RG58/U	53.5	28.5	.195"	3	4 1/2¢

AMPHENOL LOW-LOSS COAXIAL CABLE. Types 621-111 and 621-715 similar to RG8/U and RG59/U respectively, but have polyfoam dielectric. Attenuation 15% less than RG types; insulative dielectric constant, 1.50.

49 W 644	621-111	50	26.5	.405"	10 1/2	.156
49 W 339	621-715	73	17	.195"	2	.050

B AMPHENOL TYPE 214-078 TRANSMITTING TWIN-LINE. 300-ohm air-core tubular. 728 copper conductors. Rated at 1 kw RF. Shpg. wt., per 100-ft., 3 1/2 lbs. Minimum order, 100-ft. coil.

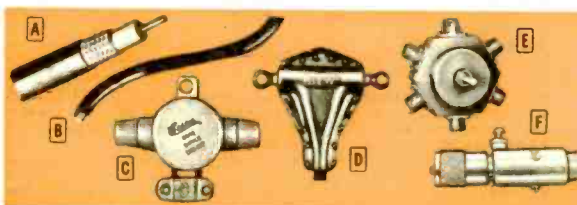
49 TX 416. 100-ft. Coil. NET 6.36

AMPHENOL 214-023 TRANSMITTING TWIN-LINE. 75 ohms. Handles up to 1 kw of RF power. Propagation factor, 71%. Attenuation, 1.40 db per 100 ft. at 28 mc. Shpg. wt., per 100 ft., 4 lbs.

49 W 495. NET PER FOOT 7c

C CESCO "DRI-FIT" COAXIAL DIPOLE CONNECTOR. A completely moisture-proof center connector ideal for use with dipole antennas. One-piece aluminum alloy construction. Handles RF power to maximum legal limits. For RG8, RG58, RG11 or RG59 coaxial cable, or 300-ohm twin lead. Can be easily installed in a few minutes. Has eye pull-up for inverted-V antennas.

89 S 026. NET 2.95



D B&W CC-50 COAXIAL CONNECTOR. Weatherproof, watertight connector for half-wave doublets. Ruggedly constructed of aluminum with high-quality stellite insulation. Internal connections. With sealing cement. 1 lb.

75 S 593. NET 5.85

E B&W 550-A MULTIPOSITION COAXIAL SWITCH. Inexpensive switch to eliminate bother of screwing and unscrewing coaxial connections. Instantly selects any of five transmitters, antennas, excitors, receivers, or other devices using 52 or 75-ohm lines. Handles up to 1 kw of modulated power with maximum cross-talk of -45 db at 30 mc. Wt., 2 lbs.

89 S 027. NET 8.25

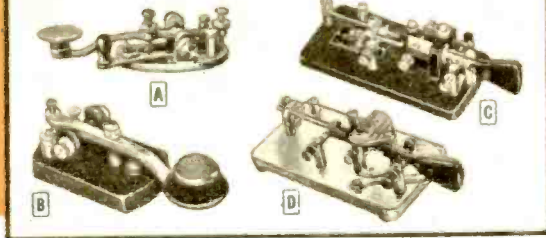
89 S 028. B&W 551-A. Above, but 2-pole 2-position type. NET 7.95

F CUSH CRAFT "BLITZ BUG" COAXIAL LIGHTNING ARRESTER. Protects equipment from lightning and prevents coax punctures due to high SWR. Gap principle eliminates static build-up. No effect on performance or SWR. Type 83 RF connectors. Install directly to equipment. 3 1/2" long. Wt., 4 oz.

89 S 044. NET 3.95

Popular Hand, Semi-Automatic and Electronic Keys

JOHNSON Speed-X



A MODEL 114-100-3 DELUXE HAND KEY. From E. F. Johnson, a precision-made hand key of exceptionally high quality. Carefully tempered spring, and hardened and polished fine-point pivots provide lively action for smooth, easy sending. An excellent choice for the beginner and old-timer alike. Spring tension, contact spacing and bearing pressure are easily adjustable. Base and binding posts have Instrument lacquer coating to protect the highly attractive satin-brass finish of key. Contacts are of a special, extremely durable, pit-resistant alloy. Contact dia., .072". Shorting switch lets you close telegraph circuit or make adjustments to transmitter. Shpg. wt., 2 lbs. **NET 7.35**
89 S 912.

MODEL 114-100 KEY. Same as above, but less shorting switch. **NET 6.45**
89 S 919.

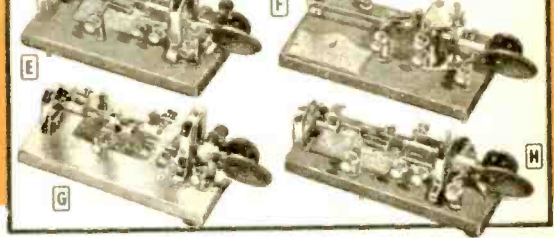
B MODEL 114-320 STANDARD KEY. Telegraph key built to rigid specifications for smooth, comfortable sending. Large, chrome-plated key arm is suspended from hardened steel bearings. Large, 1/2" coin-silver contacts. Improved Navy-type knob. Adjustable contact spacing and spring tension. Heavy brass connector concealed under base. Black die-cast base. Wt., 2 lbs. **NET 4.70**
89 S 920.

C MODEL 114-520 SPECIAL SEMI-AUTOMATIC KEY. A semi-automatic key for smooth, effortless radio-telegraph sending. Contact spacing and sliding weight are easily adjustable to desired sending speed. Has circuit-closing switch. Ruggedly constructed for long dependable use. Has 1/2" coin-silver contacts. Hardware and vibrator are heavily chrome-plated. Heavy, die-cast base is finished in black wrinkle enamel. Rubber feet prevent marring finished surfaces and keep "bug" in stationary position on desk. Shpg. wt., 4 lbs. **NET 15.95**
89 S 921.

D JOHNSON MODEL 114-501 DELUXE SEMI-AUTOMATIC KEY. A smoothly operating key with 1/2" contacts. Arm, posts, circuit-closing switch and all machine parts are heavily chrome-plated. Adjustable from lowest to highest sending speeds. Has five adjustments with lock nuts—plastic paddles adjust separately to beat height. On handsome polished chrome base with rubber feet to prevent slippage or marring operating desk. Wt., 5 lbs. **NET 22.95**
89 S 934. \$5 Monthly.

MODEL 114-500 SEMI-AUTOMATIC KEY. Identical model to above, but with 3/4" contacts and smart, black wrinkle steel base. Wt., 5 lbs. **NET 18.95**
90 S 756.

VIBROPLEX



E "ORIGINAL" SEMI-AUTOMATIC KEY. A smooth, easy-working "bug" for use at speeds from 10 wpm on up. Preferred and used by many veteran operators. Chrome-plated mechanism; gray cast-iron base with slip-proof rubber feet. Less cord and wedge set (below). Wt., 5 lbs. **NET 22.45**
89 S 939. \$5 Monthly.

89 S 940. DELUXE "ORIGINAL". Same as above, but with jeweled bearings and fully chrome-plated base. Wt., 5 lbs. **\$5 Monthly** **NET 26.95**

F "CHAMPION" SEMI-AUTOMATIC KEY. Inexpensive key designed for smooth, easy operation. Mechanism chrome-plated. Base is attractive gray crackle finish. Less cord and wedge (below). Wt., 4 lbs. **NET 17.95**
89 S 949.

G VIBROPLEX "PRESENTATION" SEMI-AUTOMATIC KEY. Beautifully designed key offers a lifetime of sending enjoyment. Features patented adjustable mainspring that provides extremely wide range of speed. Jeweled movement resists friction, maintains smoother, easier operation and prolongs life. Has polished chromium precision-machined parts mounted on a 24K gold-plated base top. Colorful red switch knob, finger and thumb pieces. Rubber feet on bottom prevent slipping and protect finishes. Less cord and wedge (below). Wt., 5 lbs. **NET 33.95**
89 S 942. \$5 Monthly.

H STANDARD "BLUE RACER" SEMI-AUTOMATIC KEY. Small, lightweight and low-cost. Carefully built for extremely smooth operation. Chrome-plated mechanism. Gray base. Less cord and wedge (below). Wt., 4 lbs. **NET 22.45**
89 S 941. \$5 Monthly.

DELUXE "BLUE RACER." Identical to "Standard Blue Racer" above, but has jeweled bearings and chrome base. Shpg. wt., 4 lbs. **NET 26.95**
89 S 943. \$5 Monthly.

CARRYING CASE. (Not illus.). Attractive carrying case for all Vibroplex semi-automatic keys above except "Blue Racer" models. Cloth-lined; protects key from dust and moisture. Styled in handsome, simulated black morocco. Has lock and key; convenient carrying handle. Shpg. wt., 2 lbs. **NET 6.75**
89 S 944.

CORD AND WEDGE SET. For use when 2 keys are wired in series. Wedge shorts out contacts of one key. Other key controls sending. Wt., 3 oz. **NET 1.75**
89 S 945.

SELECTED ELECTRONIC KEYING DEVICES

VIBROPLEX "Vibro-Keyer" Keying Mechanism

STANDARD MODEL. An excellent keying mechanism for use with either unit below or any other electronic "bug," whether manufactured or home-built. Employs the famous Vibroplex trunion lever for smooth, effortless sending—greatly aids in increasing your speed and accuracy. Tension and pressure are fully adjustable. Also features sturdy main frame, chrome-finished parts, large 3/4" con-

tacts, and red finger and thumb pieces. Beautiful beige-colored base. Rubber feet protect finishes and prevent "walking." Base, 3 1/2 x 4 1/2", 3 lbs. **NET 17.95**
89 S 946.

DELUXE "VIBRO-KEYER." Identical to above model, but has chrome-plated base. **NET 22.45**
89 S 947. \$5 Monthly.

HAMMARLUND HK-1B Electronic Keyer

Fully transistorized, battery-powered keyer with a "personal touch" dot-dash control that takes the robot quality out of electronic sending. Its versatility and wide range of adjustable speeds make it ideal for both Amateur and professional operators. Can be used as automatic, semi-automatic or straight key. Has sidetone signal with adjustable volume for signal monitoring or code practice. Speed range,

approximately 8 to 50 wpm; variable dot-dash ratio. Relay contacts have high current-capacity, eliminating any possible transistor damage due to reversing polarity. 2 1/2 x 7 x 4 1/2". Less keying device (above) and battery (below). 4 1/2 lbs. **NET 39.95**
90 S 275. \$5 Monthly.

55 J 560. 22 1/2-V. BATTERY. 1 lb. NET 1.61

HALLICRAFTERS HA-1 "T.O." Electronic Keyer

An advanced electronic keyer permitting smooth, easy, clear transmission of code. Not only are dots and dashes self-completing, but perfectly proportioned space is always maintained between them. All timing circuits are electronic—not affected by relay variations. Calibrated in range 10-30 and 25-65 wpm. Has monitor with built-in speaker, and headphone jack. Monitor may also be fed through receiver audio circuit. Includes speed range selector, moni-

tor level control, dot duration control, etc. Has built-in transformer-type power supply. Employs 4 dual-triodes, 2 VR tubes, 2 neons, and 3 diodes. Plug-in, vacuum-sealed, mercury-wetted relay used only to key transmitter and sidetone signal. Size, 5 x 7 x 7". Requires keying device (see "Vibro-Keyer," above). For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 9 lbs. **NET 79.95**
90 S 119. \$5 Monthly.



Vibro-Keyer

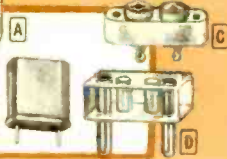


HK-1B



HA-1 "T.O."

Amateur Crystals, TR Switches, and Components



TR Switches

JAMES KNIGHTS/PETERSEN PR CRYSTALS

A PETERSEN Z-2 AMATEUR TRANSMITTING CRYSTALS. In black phenolic holder. Pin spacing, .486". Pin dia., .093". Tolerance, $\pm .03\%$. Size, $1\frac{1}{2} \times 1\frac{3}{4} \times \frac{7}{8}$ ". Specify frequency. Sustained ± 5 kc of frequency specified. The crystals listed under Stock No. 99 S 257 (beneath table) are cut to the exact frequency you specify. Allow 30 days for delivery. Shpg. wt., 3 oz.

Stock No.	Frequency (kc)	Stock No.	Frequency (kc)	EACH
90 SS 379	1750-2000	99 SS 267	7000-7425	2.95
90 SS 381	3500-4000	99 SS 259	8000-8222	
90 SS 380	6740-6800	99 SS 296	8340-9000	

90 S 393. JK H-73*. 1.8-18.0 mc. Specify Exact Frequency EACH 4.80

B JK H-173 AMATEUR CRYSTALS. For oscillators with low crystal current. Pin spacing, .486". Pin dia., .050". $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$ ". Special order only. Allow 30 days for delivery. Specify frequency. Wt., 3 oz.

Stock No.	Frequency	Tolerance	EACH
90 S 382	1.8-40 mc	$\pm .01\%$	4.95
90 S 383	1.8-75 mc	$\pm .005\%$	5.95

JK H-93 FREQUENCY-STANDARD CRYSTALS. Black phenolic base; anodized aluminum can. Silver-plated crystal. Pin spacing, .486". Pin dia., .093". Tolerance, $\pm .005\%$. 2" long; $1\frac{1}{2}$ " dia. Shpg. wt., 3 oz.

90 S 384. 100 kc. **90 S 385.** 1000 kc. NET EACH 6.95

B JK SPECIAL APPLICATION CRYSTALS. Size, $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$ ". Pin spacing, .486". Pin dia., .093". 3rd overtone type. Av. wt., 3 oz.

Stock No.	Type	Frequency	Tolerance	Application	EACH
90 S 386	H-17L	4.5 mc	$\pm .005\%$	TV alignment	4.80
90 S 387	H-17L*	27.255 mc	$\pm .005\%$	Radio control	2.50

B JK INDUSTRIAL CRYSTALS. Case size: Type H-17, $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$ "; Type H-17T, $1\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$ ". Pin spacing, .486". Pin diameter, .050". Special order only. Allow 30 days for delivery. Specify Type No. and frequency desired. Av. shpg. wt., 3 oz.

Stock No.	Type	Frequency	Tolerance	EACH
90 SS 388	H-17T (HC-13/L)	30 kc-200 kc	$\pm .010\%$	14.95
90 SS 389	H-17 (HC-6/L)	200 kc-750 kc	$\pm .0005\%$	13.90
90 SS 390	H-17 (HC-6/L)	50 mc-100 mc	$\pm .0005\%$	13.18

BLILEY SPECIALIZED SERVICE CRYSTALS

A TYPE MC-9 ALIGNMENT CRYSTALS. For use as marker in sweep generators or for calibration purposes. Phenolic holder, $1\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$ ". Tolerance, $\pm .02\%$. Pin spacing, .486" ($\frac{1}{2}$ "). Pin dia., .093". 3 oz.

90 S 391. 5.0 mc. **90 S 392.** 10.7 mc. NET EACH 3.95

MILLEN STEATITE CRYSTAL SOCKETS

Extremely low loss. Phosphor-bronze contacts. Tinned lugs. Av. wt., 2 oz.

Stock No.	Type	Pin Spacing	Pin Diameter	NET EACH
72 S 035	33102	.486"	.094"	.36
72 S 075	33302	.486"	.050"	.24
72 S 029	33002	$\frac{3}{4}$ "	.125"	.36

MOSLEY CRYSTAL-SOCKET ADAPTERS

TYPE 75-S. Adapts .750" spaced crystal holders to .486" sockets. Wt., 2 oz.
89 S 544. NET .39

TYPE 55-75. Adapts .486" spaced crystal holders to $\frac{3}{4}$ " sockets. Wt., 2 oz.
89 S 543. NET .39

ANTENNA SWITCHING DEVICES

E NEW P&H AR-1 TRANSCIEVER TR SWITCH. Transfers antenna to transmitter on receive and provides switching to connect exciter to amplifier on transmit—line for SSB exciter/linear. Exciter operable straight through to antenna if desired. 6 possible interconnections. For 3-30 mc. SO-239s for 50-70 ohm coax. Rated 1500 w. $3 \times 4 \times 4$ ". Requires 6.3 v. AC @ 675 ma. 2 $\frac{1}{2}$ lbs.

90 S 437. \$5 Monthly. NET 32.50

F ADVANCE CB/IC2C/115VA COAXIAL RELAY. For 52 ohms. Rated 800 w. SPDT internal contacts connected to 83-1R. Also auxiliary DPDT 2-wire contacts. $4\frac{1}{2} \times 3 \times 2\frac{1}{2}$ ". For 115 v., 50-60 cycle AC. 11 oz.

76 P 254. NET 13.25

75 P 645. CB/IC/115VA. Above, less external DPDT contacts NET 12.15

G JOHNSON 250-39 TR SWITCH. Switches antenna between receiver and transmitter. Rated 4000 w. Requires no tuning. Coax fittings. $4\frac{1}{2} \times 4 \times 2\frac{1}{2}$ ". For 110-120 volts, 50-60 cycle AC. Wt., 5 lbs.

89 S 305. \$5 Monthly. NET 29.25

H 89 S 306. DOW-KEY DKC-TRM-1 TR SWITCH. For fixed/mobile, 6/12 v., 1.5-30 mc, 1 kw. For 90-120 v. DC @ 25 ma. 10 oz.

89 S 307. DKC-TR2-A. Above, but for 144-148 mc. NET 12.50

J DOW-KEY DKC-TRP SELF-POWERED TR SWITCH. Coaxial type, for electronic antenna switching. Provides gain between antenna and receiver. For 1.8-30 mc. Rated 1 kw. $4\frac{1}{2} \times 3 \times 2\frac{1}{2}$ ". For 110-120 v., AC. Wt. $1\frac{1}{2}$ lbs.

89 S 308. \$5 Monthly. NET 27.75

DOW-KEY COAXIAL FITTINGS. (Not illus.) DKF-2 is double male. DK-60-P is panel-mount female type. Av. shpg. wt., 4 oz.

75 P 946. DKF-2. NET 1.25 **89 S 309.** DK60-P. NET .70



JAMES MILLEN

90932

90672

MODEL 90932 MODULATION MONITOR. Completely self-contained Amateur-band oscilloscope for monitoring the modulated RF output of any SSB or AM transmitter. Built-in link-coupled tuned circuits cover all bands 3.5 through 54 mc. Displays both RF envelope and trapezoidal patterns. Shows linearity or non-linearity of Class B RF amplifiers, parasitic oscillations, neutralization, and RF output. Blanks out on standby. Easily connected to transmitter. Uses 2BP1, 2-crd CRT, not supplied, individual coils for each band, and built-in selenium-rectifier power supply for operation from 110-120 v., 60 cycle AC. Size, $3\frac{1}{2} \times 3\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. wt., 8 lbs.

89 S 045. \$5 Monthly. NET 87.50

E1-2BP1. RCA 2" CRT. 2 lbs. NET 19.05

MODEL 90672 ANTENNA BRIDGE. Sensitive bridge for measuring 5 to 500-ohm impedances at frequencies up to 200 mc. Use to check radiation resistance, resonance, line impedance, SWR, receiver input impedance, etc. Has differential variable capacitor. $3\frac{1}{2} \times 3\frac{1}{2} \times 5\frac{1}{2}$ ". 2 $\frac{1}{2}$ lbs.

89 S 310. \$5 Monthly. NET 45.00

STATION COMPONENTS FOR "DO-IT-YOURSELF" SPECIALISTS

K TUBE COOLING MOTOR AND FAN. Extends life by keeping envelope and seals cool. Permits more effective shielding of RF amplifiers, etc., without depending on convection cooling. Shaded-pole induction motor, 2400 rpm. $2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". Fan, 2 $\frac{1}{2}$ " dia. For 110-120 v., 50-60 cycle AC. 1 $\frac{1}{2}$ lbs.

72 P 715. NET 4.43

L EIMAC CONTACT FINGER STOCK. Silver-plated alloy strips. Make excellent contact; prevent RF leakage through cabinet doors. May be secured either mechanically or by soldering. Shpg. wt., 12 oz.

42 P 086. 3' long; $1\frac{1}{4}$ " wide NET 5.77

42 P 087. 3' long; $1\frac{1}{4}$ " wide NET 6.23

42 P 088. 3' long; $1\frac{1}{2}$ " wide NET 6.70

CARWELL "X" TYPE TRANSMITTING CAPACITORS. (Not illus.) Single-section variable types. Av. wt., 4 lbs.

Stock No.	Type	Mmf	Plates/Air Gap	Size*	NET
75 L 047	PL-80130-1500	65	.030"	5 $\frac{1}{2}$ \times 2 $\frac{1}{2}$ \times 5 $\frac{1}{2}$ "	22.50
75 L 048	PL-8048-20-220	21	.070"	4 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ "	10.73

B&W NETWORKS AND CHOKES (Not illus.)

89 S 322. MODEL 850A PI-NETWORK INDUCTOR. For single or parallel tubes on 80-10. Rated 1 kw. Max. VDC: CW-SSB, 4000; AM, 2500 v. $10\frac{1}{4} \times 7\frac{1}{2}$ ". Wt., 7 lbs. NET 35.00

89 S 331. MODEL 851. Identical to above, but rated 250 w. AM; 500 w. CW-SSB. Max. volts DC: CW-SSB, 2000; AM, 1250 v. Size, $7 \times 3 \times 3\frac{1}{2}$ ". Shpg. wt., 4 lbs. NET 16.50

89 S 660. MODEL 350-2Q4 AUDIO PHASE-SHIFT NETWORK. Splits signals from 300-3000 cps into 2 equal components 90° out of phase. Octal base. Wt., 1 lb. NET 4.95

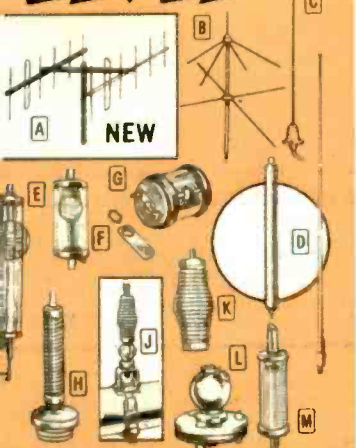
89 S 950. MODEL 800 RF PLATE CHOKE. For 80-10 meter transmitters with parallel or series-fed circuits. Max. rating, 2500 VDC @ 500 ma. $6 \times \frac{1}{2}$ " dia. 2 lbs. NET 3.75

89 S 995. MODEL FC-30A FILAMENT CHOKE. For grounded-grid amplifiers. 30 amps. $2 \times 2 \times 4\frac{1}{2}$ ". 2 $\frac{1}{2}$ lbs. NET 10.45

89 S 996. MODEL FC-15. Above, but rated at 15 amps. $1\frac{1}{2} \times 4\frac{1}{2}$ ". Wt., 2 $\frac{1}{2}$ lbs. NET 7.50



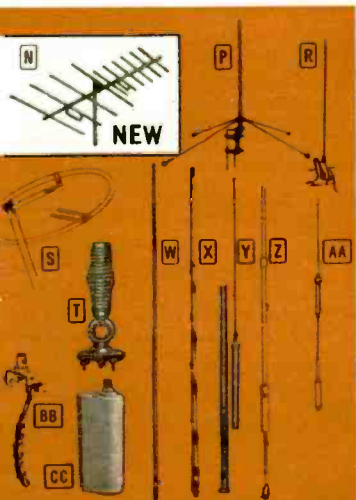
Master Mobile



NEW-TRONICS MOBILE ANTENNAS

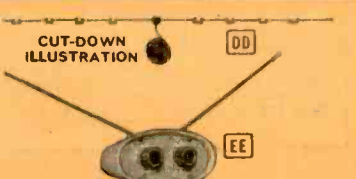
[Not ill.] New "Hustler" type. Antenna consists of 1 mast, 1 resonator. For 52-ohm coax. 1 lb.

Stock No.	Type	Description	Ant. Ht.	NET
90 CZ 849	RM-10	10-mtr resonator	75"-80"	5.95
90 CZ 850	RM-15	15-mtr resonator	76"-81"	6.95
90 CZ 859	RM-20	20-mtr resonator	78"-83"	7.95
90 CZ 860	RM-40	40-mtr resonator	87"-92"	9.95
90 CZ 864	RM-75	75-mtr resonator	91"-97"	11.95
90 CZ 879	MO-1	Rear-dk./fdr.-mt. 54" mast		7.95
90 CZ 882	MO-2	54" mast for bumper mt.		7.95



MOBILE ACCESSORIES Av. wt., 3 lbs.

Stock No.	Mfr. & Type	Fig.	Description	NET
90 S 992	New-Tr's C29-32	T	Chrome base, sp'ng. w/insulator, hdwe. 3/4" 24 stud	5.07
90 S 994	New-Tr's C32		Base only	2.01
90 S 995	New-Tr's C29		Spring only	3.06
90 S 123	Ant. Spec ASP143	BB	Double chain bumper mt.	7.79
90 S 996	Hy-Gain T-3	CC	Coil ctr. loaded whips 10/15/20	16.95



Items with U or Z in Stock No. Shipped Express or Truck

Amateur Antennas, Mounts, Accessories

MASTER MOBILE

ANTENNAS

- A** NEW AM-5 TWIN-6 STACKED 2-METER BEAM. 12 db gain; 25-30 db F/B. Pretuned. Mounts vertically/horizontally. Aluminum. With harness for 52-ohm coax, 3' mast, balun, hdwe. 10 lbs. **89 SX 066.** NET 16.95
- 89 SX 067.** AM-4 6-ELEMENT 2-METER BEAM. Single bay. Wt., 3 1/2 lbs. NET 8.95
- B** MASTERPLANE 300 2-METER GROUND PLANE. Has 4 drooping, 4 adjustable straight radials. With 3' mast, 52-ohm coax fitting. 3 lbs. **89 SX 068.** NET 12.61
- C** 113 2-METER MOBILE WHIP. For auto roof-top mtg. Covers 140 to 165 mc. 7/8" mtg. hole. With 12' of 52-ohm coax and PL-259. Wt., 1 lb. **89 SX 069.** NET 3.88
- 89 SX 073.** 613 WHIP. Above, with locking coaxial antenna-base connector. NET 4.85
- 114 2-METER COAXIAL ANTENNA. Low radiation angle from car or fixed location. For 140-165 mc. With 12' coax. 3/4" dia. stud. 5 lbs. **89 SX 076.** NET 9.75
- D** B-1080 "SLIM JIM". For 10-75 meters. Base-loading coil with 96' whip. 4 1/2 lbs. **89 CU 090.** NET 17.59

LOADING COILS

- E** 666 "ALL BANDER." Continuously variable, 10-75 meters, Silver-plated roller. Selects any pair of adjacent turns. 2 1/2 x 1 1/2". 1 1/2 lbs. **89 S 098.** NET 14.66
- 89 S 048.** 750 "DELUXE ALL BANDER." Above but selects any spot on any turn. 2 1/2 lbs. NET 14.66

LOADING COILS (Cont'd)

- F** 900 "ARISTOCRAT." Tapped for 10-75 meters. For 2-section whip. 3x6". 1 1/2 lbs. **NET 14.66**
- 89 S 046.** NET 14.66
- G** 925 DELUXE "MICRO-Z-MATCH." Variable. Matches any coax to any whip. 1 lb. **NET 9.95**
- 89 S 116.** NET 9.95
- M** "ULTRA-HI-O" COILS. For 1 band use with 2-section whip. Q over 515. Wt., 1 lb.
- 89 S 143.** 80 Meters. 2 1/2"x8". NET 5.14
- 89 S 144.** 40 Meters. 2 1/2"x5". NET 5.14
- 89 S 146.** 20 Meters. 2 1/2"x3". NET 5.14

MOBILE ACCESSORIES Av. wt., 3 lbs.

Stock No.	Type	Fig.	Description	NET
89 S 217	711	H	"Flex R" strain relief spring	1.91
89 S 224	444	J	Heavy-duty sp'ng. double swivel chain mount 3/4" 24 chain mt.	17.80 7.95
89 S 238	445		Heavy-duty sp'ng & chain mt.	13.45
89 S 252	446		Cad.-plated sp'ng. Above, heavy duty	4.41 5.39
89 S 270	MMW7	K	Ebony base mount	6.81
89 S 272	MMW7HC	L	Polished mount & steel hardware	9.06
89 S 285	MMW3AE		Heavy-duty stainless spring	8.77
89 S 287	MMW3APS		96" stainless whip	3.16
89 S 288	MMW7SS		60" stainless whip	4.85
90 CU 844	100-96S		36" lower section for all band antennas. 3/4" dia. Hold-down clamp	.98
90 CU 845	100-60S		"E-Z-Off" noise-free stainless connector	2.89
90 SX 846	88			
90 S 847	10-H			
90 S 848	295			

FAMOUS-NAME FIXED & MOBILE ANTENNAS

FIXED-STATION VHF TYPES

- N** NEW CUSH CRAFT A26-9 6 AND 2-METER BEAM. Combination 4-element 6-meter and 6-element 2-meter beam on one 12' x 1 1/2" .058-wall aluminum boom. 2-meter elements preassembled on boom. Gain: 10 db on 2; 9 db on 6. F/B ratio: 25 db both bands. 1:1 SWR at freq. Turning radius, 7'6". Requires 2 separate 52/72-ohm feed lines. 11 1/2 lbs. **90 CZ 883.** \$5 Monthly. NET 27.50
- NEW CUSH CRAFT SINGLE-BAND VHF BEAMS.** (Not ill.) All-aluminum beams. A50-10 has .058-wall tubing boom. 3/4" .050-wall tubing elements, and Redd Match for 52/72 ohms. A50-3P is portable type with 1" tubing boom. 3/4" solid elements and direct 52-ohm match—folds to 50x4x4" for easy carrying. A144-11 has 1"-dia. .050-wall tubing boom, preassembled 3/4"-dia. solid elements; matches 300 ohms (matches 72 ohms if used with balun). E, number elements; L, boom length; R, turning rad.

Stock No.	Type	Band	E	L	R	Lbs	NET
90 CZ 884	A50-10	6	10	24'	13'	25	49.50
90 CZ 885	A50-3P	6	3	6'	6'	4	10.95
90 CZ 886	A144-11	2	11	12'	6'	6	12.75

- NEW CUSH CRAFT CL-116 16-ELEMENT 2-METER COLINEAR.** (Not ill.) Provides 13.2 db gain. Has 4-3/4" tubing booms 29' long; elements 3/4" and stacking bars 3/4" solid. All aluminum. Directly matches 300 ohms (72 ohms if used with balun). Overall ht., 10'. Requires mast 1 1/2" dia. 10 lbs. **89 CX 887.** NET 16.00

- P** ANTENNA SPECIALISTS M-7A 2-METER GROUND PLANE. Radiator and 4 radials. U-bolt hdwe. for 3/4" pipe. Accepts PL-259. 8 lbs. **90 SX 673.** NET 5.29

- Z** BK/MARK ABB-6 6-METER "BEACON." New 3/2-wave vertical—no radials/skirts. Has 102" radiator, fiberglass mcg. section, 50-ohm stub. Chimney, roof, side mtg. Accepts PL-259. 8 lbs. **90 SX 888.** \$5 Monthly. NET 22.50

MOBILE HALOS & WHIPS

- S** HY-GAIN HM-6 HALO. For 6 mtrs. 1' aluminum tubing, 52 ohms. Std. mt. Less mast. 5 lbs. **90 SX 997.** NET 12.95
- 90 SX 999.** HM-2 HALO. Above, for 2 meters. 1/2" aluminum tubing. 1 1/2 lbs. NET 5.95
- 90 CU 295.** HY-GAIN HM MAST. Takes Halos singly/together. 8'. Std. mt. 3 lbs. NET 4.95
- R** 90 SX 296. ANTENNA SPEC. ASP-157. 2-meter whip. Clamps on car rate holder. Cut for 144 mc. With 12' RG58U. PL-259. 1 1/2 lbs. NET 6.76

- BK/MARK CVS-2144.** 2-mtr. 3/2-wave whip. 2 1/2 db over 3/2-wave. Use HWMT/SA1 below. 1 lb. **90 SX 297.** NET 7.50

- X** BK/MARK HW HELIWHIPS. Fiberglass continuously loaded whips for tender, trunk lid (etc.) mtg. #2:1 VSWR bandwidth. Fit std. mt. or HWM-1. Permits 90° swiveling of HWM-1 for side/angle mtg.

Stock No.	Type	Band	*MC	FL Lbs	EACH
90 SX 298	HW-6	6 M	4000	3	9.95
90 SX 299	HW-10	10 M	1000	4	9.95
90 SX 302	HW-15	15 M	500	4	9.95
90 CX 307	HW-20	20 M	250	6	10.95
90 CX 308	HW-40	40 M	10	1	10.95
90 CX 309	HW-80	80 M	60	1	10.95
90 CX 310	HW-3	10-15-20M		3	19.50
89 S 614	HWM-1	Molded base mount		1/2	7.50
90 S 122	SA-17	Swivel adapter		1/2	3.00

- Y** WEBSTER "BAND SPANNERS." Tunable fiberglass center-loaded whips for 10-75 meters. A-61 bumper mtg.; A-62, tender/deck. Av. wt., 1 lb. **89 CU 752.** A-61, 117' overall. EACH 24.75
- 90 CX 347.** A-62, 93' overall. NET 20.96

- AA** MOSLEY MA-3 "TRAPMOBILE." Stainless whip covers 10/15/20 without switching/returning—requires std. base loading coil for 40/80. Center trap. Fits std. mt. 92 1/2". 6 lbs. **NET 20.96**
- 90 CX 348.** \$5 Monthly. NET 20.96

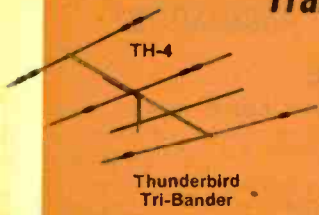
ANTENNAS FOR SHORTWAVE LISTENERS

- DD** MOSLEY MODEL SWL-7 OUTDOOR DIPOLE KIT. A low-cost, easy-to-assemble kit that really pulls in foreign stations! Packed for the 7 international shortwave bands between 11 and 49 meters. Includes: 8 weatherproof trap assemblies, center connector, 45' of copper wire, porcelain insulators, 100' of 75-ohm lead-in. Wt., 3 lbs. **NET 14.75**
- 90 CX 346.** NET 14.75

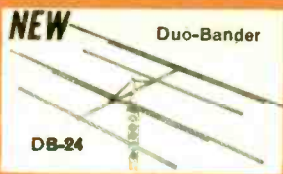
- EE** HY-GAIN MODEL SWI INDOOR ANTENNA. A sensitive indoor antenna covering 5 through 30 mc; includes all important international shortwave broadcast bands, 4 Amateur bands, CB, etc. Chrome-plated telescoping ears. "Tune" and "match" controls allow adjusting for maximum signal. 6' cable. Plastic housing. 1 lb. **NET 14.75**
- 90 SX 349.** NET 14.75

Transmitting Antennas for the Amateur

Hy-gain



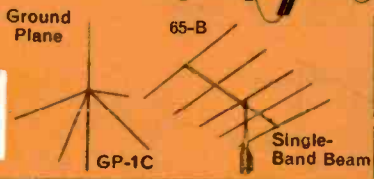
TH-4
Thunderbird
Tri-Bander



NEW
Duo-Bander
DB-24



NEW
52-Ohm
Baluns



Ground
Plane
65-B
GP-1C
Single-
Band Beam

THUNDERBIRD "TRI-BANDER" BEAMS. Rugged trap-type beams covering 10, 15 and 20 meters. Employ heavy-duty aluminum 2" boom and 1/4" elements tapering to 3/8". Less than 2:1 SWR on all 3 bands with no adjusting. Withstand 2 kw PEP. Weatherproof 1/4"-dia. solid-state Silm-Traps. TH-4 has pretuned beta match and interlaced 4th element for high gain and F/B ratio. L, boom lgh.; R, turning radius.

Stock No.	Type	Elements	Db Gain	L	R	Lbs.	NET
89 CZ 756	TH-4	4	8-8.9	16'	17'10"	42	117.50
89 CZ 754	TH-3	3	Up to 8	14'	14'8"	36	99.75
89 CZ 755	TH-2	2		6'	13'8"	23	69.95

NEW "DUO-BANDER" BEAMS. Compact beams permitting 2-band operation with single 52-ohm coaxial lead lines (not supplied). Type DB-24 has 3 elements on 20 meters, 2 elements on 40; utilizes linear loading (no traps). Type DB-82 has 4 elements on 6 meters, 18 elements on 2. L, boom length; R, turning radius.

Stock No.	Type	Bands	Db Gain	L	R	Lbs.	NET
89 CZ 757	DB-24	20, 40	4.9-8.1	24'	24'2"	64	169.50
89 CZ 758	DB-82	6, 2	8-15	10'	8'	12	32.95

"MONO-BANDER" SINGLE-BAND BEAMS. Incorporate beta match, factory pretuned for less than 1.5:1 SWR into 52-ohm line. All are full-sized arrays except Type 402-B (40-meter "Hy-Seven") which employs linear loading to maintain high efficiency with elements of reduced size. Aluminum-alloy construction. E, number of elements; L, boom lgh.; R, turning radius.

Stock No.	Type	Band	E	DB Gain	F/B Ratio	L	R	WL	NET
89 CZ 759	402-B	40M	2	5	20db	16'	16'4"	40 lbs.	99.75
89 CZ 760	203-B	20M	3	8+	25db	16'	19'3"	35 lbs.	65.95
89 CZ 761	153-B	15M	3	8+	25db	12'	13'6"	19 lbs.	38.50
89 CZ 762	103-B	10M	3	8+	25db	8'	9'8"	12 lbs.	32.95

BALUN TRANSFORMERS. Designed to couple unbalanced 52-ohm coax to balanced 52-ohm antennas. Ideal for use with Hy-Gain beams on this page. Improve energy transfer, eliminate stray RF, improve pattern, reduce TVI. Handle full legal power with SWR less than 2:1. Mounts at antenna, 3 lbs.

- 89 S 478. TYPE BN-12. Covers 13.8 to 30.5 mc.NET 13.50
- 89 S 479. TYPE BN-24. Covers 6.8 to 14.5 mc.EACH 13.50

MULTIBAND VERTICALS. (Not illus.) Multiband verticals for use on up to 4 bands without switching. Employ solid-state Silm-Traps. Pretuned for under 2:1 SWR. Match 52-ohm lines. Handle 2 kw PEP. With beta insulator and mast mount. Require roof mtg. kit (below) containing mast, radials and hardware.

Stock No.	Type	Bands	Height	Wt. Lbs.	NET EACH
89 CX 765	14-AVS	10, 15, 20, 40	21'	10	29.95
89 CX 766	12-AVS	10, 15, 20	13 1/2'	9	21.95

- 89 CU 767. 14-RMK ROOF MTG. KIT. For 14-AVS. Wt., 9 lbs.NET 11.95
- 89 CU 768. 12-RMK ROOF MTG. KIT. For 12-AVS. Wt., 7 lbs.NET 9.50
- 89 S 350. LC-80. 80-METER LOADING COIL. For 14-AVS. 1/4 lb.NET 7.95

MOSLEY

S-402 40-METER BEAM. 2-element beam with efficient link-coupled 52-ohm feed, 8 db gain, 20 db F/B ratio. Longest element, 44' 3". 2" O.D boom. Turning radius, 24' 4". Wt., 65 lbs.
89 CZ 784. \$7 Monthly.NET 124.50

TA-36 10/15/20-METER BEAM. 20 db F/B ratio. Gain: 10 meters, 9 db; 15, 8.5 db; 20, 8 db. SWR 1.5:1 or better. Handles 1 kw. Longest element, 29". Turning radius, 19' 3". Wt., 75 lbs.
89 CZ 785. \$7 Monthly.NET 129.50

TA-33 10/15/20-METER BEAM. To 8 db gain; 25 db F/B. Traps take 1 kw. 14' boom. 1.1:1 SWR. Fits masts to 1 1/4". Radial, 15' 6". 54 lbs.
89 CZ 786. \$5 Monthly.NET 99.75

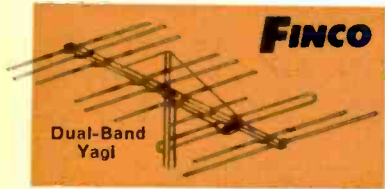
89 CZ 787. TA-33 JR. Above, but 300-w. model. 12" boom. 14' 9" radial, 28 lbs.NET 69.50

V-4-6 4-BAND VERTICAL. For 10-40 meters. Traps rated 1 kw. Aluminum tubing telescopes to 20". With mtg. plate, guys. Wt., 12 lbs.
89 CZ 788. \$5 Monthly.NET 27.95

89 S 371. D-4BC 80-METER BASE LOADING COIL. For above. Wt., 3 lbs.NET 15.67

V-3 10/15/20-METER VERTICAL. Traps rated 1 kw. 11 1/2" high. With guys, base, 8 lbs.
89 CZ 789. \$5 Monthly.NET 22.95

89 CZ 790. V-3 JR. Above, but 300-w. model. 11' 9" high. Wt., 6 lbs.NET 17.95



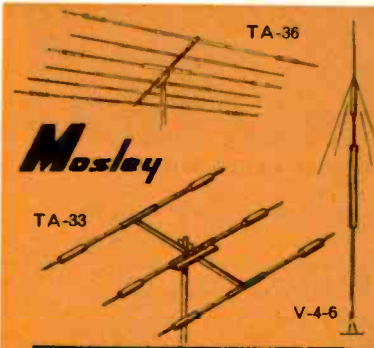
Dual-Band
Yagi

FINCO A-62 6 & 2-METER BEAM

- Heavy-Duty Boom 10' Long
- All Elements Sleeve-Reinforced
- Suspension Rods End Boom Sag

An advanced-design VHF beam offering F/B ratios of 17 db on 6 meters and 20.5 db on 2 meters. Gain is up to 8 db on 6, and to 15.1 db on 2. Has folded dipole, reflector and 2 directors working on 6; folded dipole with phasing stub, 1-3-element colinear reflector and 4-3-element colinear directors working on 2. Elements are preassembled with snap-out brackets for easy installation. Preassembled boom suspension rods snap into upper end of mast. Hardy 1" square aluminum boom. U-bolt and saddle assembly attaches firmly to your mast. Turning radius, 6' 11". Less 52-ohm line. 11 lbs.
89 CZ 782. \$5 Monthly.NET 32.34

89 CZ 783. AS-62 STACKING KIT. 1/2 lb.2.15



Mosley

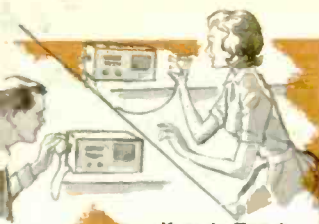
TA-33

V-4-6

NEW CONVERSION KIT

TA-40K. Converts TA-33, TA-32, TA-31 Sr. Trap-Masters to 40 meters as single rotatable dipole. 10/15/20-meter operation totally unaffected. Easily installed. Turning radius, 22 1/2". With mast, guys, hdwe. 13 lbs.
89 S 375. \$5 Monthly.NET 39.95

All New - KNIGHT Citizens Band Transceiver



Keep In Touch—
Wherever You Go!



**OFFERS A HOST OF
DELUXE FEATURES**



**ELECTRONIC
ANTENNA
SWITCHING**



**TRANSMIT,
RECEIVE
CRYSTALS**



**2-PURPOSE
METER READS
OUTPUT &
"S" UNITS**



**6-CHANNEL
TRANSMIT-
RECEIVE
SELECTOR**



**FREQUENCY
SPOT SWITCH
HELPS FIND
CHANNEL**



**SELECTIVE
3-STAGE
IF STRIP**



**ADJUSTABLE
SQUELCH
FOR SILENT
STANDBY**



**ACCURATE
PLANETARY
TUNING**

**NO MONEY
DOWN**

**KN
2500**

KNIGHT MODEL KN-2500 DELUXE CB TRANSCEIVER

\$99⁹⁵

\$5 monthly

- Crystal-Controlled Transmit/Receive On Any 6 Channels Or—Crystal-Controlled Transmit and Tunable Receive
- Full 5-Watt Transmitter, Nuvistor Superhet Receiver
- Adjustable Squelch, ANL, Full AVC, Press-to-Talk

All new and loaded with deluxe features, the Knight KN-2500 Transceiver provides superb 2-way base-station or mobile communications at low, low cost. Offers full-electronic antenna switching—uses no relays. Has provision for 6 transmitting and 6 receiving crystals; switch permits manual 22-channel receiver tuning. "Positune" frequency-spotting switch locates transmitting channel—just press the switch and tune the receiver. Sensitive superhet receiver section has "Nuvistor" RF amplifier, 1 μ sensitivity, super-selective 3-stage IF, adjustable squelch, automatic noise limiter, AVC. Terminals for headphones; illuminated tuning dial and planetary mechanism give accurate, backlash-free tuning. Transmitter section offers full 5-watt input, press-to-talk operation, matches 30-100-ohm antennas. Front panel controls: On/Off Volume, Tuning, Squelch, Channel Selector, Spot switch, Meter switch, Tune-Fixed selector switch. Built-in 3" speaker. With ceramic press-to-talk mike and coiled cord; less mobile power supplies, below. 15 tube functions silicon diode rectifiers. 5x11 1/2x6 1/2". For 110-120 v., 50-60 Cycle AC. 14 lbs.

90 SU 413-J. \$5 Monthly. **ONLY 99.95**
90 S 679-J. 12-V. Supply. 90 S 680-J. 6-V. Supply. 4 lbs. **EACH ONLY 11.95**

EXCEPTIONAL VALUE! LOW-COST LINCOLN CITIZENS BAND TRANSCEIVER



LINCOLN MODEL L-2000A CB TRANSCEIVER

\$57⁵⁰

\$5 monthly

- 5-Channel Transmit
- 5-Watt Transmitter
- Superhet Receiver
- Intercom-Type Press-to-Talk Switch

Get excellent mobile or base-station performance at low cost. Features superhet receiver with all-channel vernier tuning, ANL, AVC, 5-channel transmit-crystal selector, 5-watt input transmitter; paging switch, external speaker jack. 4 1/2x10 1/2x6 1/2". Channel 9 crystal, mike. For 115 v., AC. 11 lbs.

90 SX 145-J. \$5 Monthly. **ONLY 57.50**
90 S 679-J. 12-V. Power Supply. 4 lbs. **11.95**
90 S 680-J. 6-V. Power Supply. 4 lbs. **11.95**



5 Channels Selective 5 Watts In Series ANL

Extra Crystals for Above are Listed Elsewhere in this Section

Fixed and Mobile Citizens Band Transceivers



A FEW REASONS WHY ALLIED SERVES YOU BEST

- King-Size Trade-Ins—Write Today
- Credit Fund Plan—No Money Down
- Free Trial—In Your Own Home
- Free Helpful Technical Assistance



JOHNSON "MESSENGER"

MODEL 242-126. Compact 5-channel Citizens Band transceiver for mobile or fixed-station use. Offers top performance, convenient operation. Has highly sensitive superhetrodyne receiver section, full 5-watt transmitter section. Front-panel switch selects any of 5 crystal-controlled transmitting and receiving channels. Also has automatic noise limiter, squelch that keeps receiver quiet between messages, function indicator lights. Chrome-plated front panel and gray wrinkle finish metal cabinet. With transmitting and receiving crystals for one channel, press-to-talk mike, power cords. Less antenna. Size, 5 1/2"x7 1/2". For 110-120 v., 50-60 cycle AC or 12 v. DC. Shpg. wt., 16 lbs.

90 SX 414-J. \$8 Monthly. NET 144.95

90 SX 415-J. MODEL 242-127. As above, for 110 v. AC or 6 v. DC. NET 144.95

90 S 416. MODEL 251-828. UNIVERSAL UNDER-DASH MOUNTING KIT. For above transceivers. Shpg. wt., 1 1/2 lbs. NET 2.50

HALLCRAFTERS CB-3A TRANSCEIVER

Newly Improved fixed station or mobile transceiver with provision for 8 crystal-controlled transmit and receive channels. Offers modern compact styling. Dual conversion receiver section has 6-kc selectivity—reduces adjacent channel interference. Sensitivity: better than 1.0 μ v for 10 db signal-to-noise ratio. Dual limiters effectively reduce impulse noises. 5-watt loop neutralized transmitter section has link-coupled output—matches 25 to 75-ohm transmission lines. Series trap effectively reduces TVI. Self-contained dual power supply uses efficient silicon diodes. In 2-tone gray enamel finish cabinet. Size, 5 1/2"x12 1/8". With press-to-talk mike and transmitting and receiving crystals for Channel 11. Less optional S-meter. For 110-120 v., 50-60 cycle AC or 12 v. DC. 12 1/2 lbs.

90 SU 411-J. \$8 Monthly. NET 159.95

90 SU 454-J. As above, for 110 v. AC or 6 v. DC. NET 159.95

90 S 417. HA-9 ILLUMINATED S-METER KIT. For above. 1 lb. NET 8.95



NEW! MULTI-PRODUCTS CITI-FONE CD-7

Deluxe 5-Channel Citizens Band transceiver for mobile or fixed station use. Function switch instantly selects crystal-controlled receive, tunable receive or crystal "spot" to permit locating transmitting crystal frequencies. Has illuminated dial; 4:1 vernier receiver tuning. Dual function meter shows signal strength and power output.

Sensitive superhet receiver section has 8 tuned circuits, squelch, automatic noise limiter. Sensitivity: 1/2 μ v for 6 db signal-to-noise ratio. Efficient 5-watt transmitter operates on any of 5 switch-selected crystal frequencies. Has high-level AM modulation, adjustable antenna coupler, high-Q tank coil. Also has speaker, jack for headphones or external speaker, heavy duty power supply. 4 1/2"x9 1/2". 2 power cords; crystals for 1 channel. For 110-120 v., 50-60 cycle AC or 12 v. DC. 15 lbs.

90 SU 418-J. \$10 Monthly. NET 189.50

90 SU 419-J. For 115 v. AC /6 v. DC. NET 189.50



MULTI-PRODUCTS CITI-FONE CD-5/12

MODEL CD-5/12. A versatile 5-channel transceiver that can be taken anywhere. Provides dependable Citizens Band communications—keeps you in constant touch wherever you go. Superhet receiver section features high sensitivity and selectivity. Transmitter section operates at maximum legal power, is AM modulated. Front panel switch selects any one of 5 channels—both receiver and transmitter sections are crystal controlled.

Has adjustable squelch control and built-in automatic noise limiter. Power plug fits into auto's cigarette lighter—permits fast mobile installation. Blue and gray finish metal cabinet. Compact, only 4 1/2"x8 1/2". With press-to-talk ceramic mike, crystals for one channel, power cords. Less antenna. For operation from 110-120 v., 50-60 cycle AC or 12 v. DC. Shpg. wt., 12 lbs.

90 SU 420-J. \$7 Monthly. NET 134.50

MODEL CD-5/6. For 110-120 v. AC /6 v. DC.

90 SU 421-J. NET 134.50



TRANSCIEVER KIT BY EICO

MODEL 770. Provides easier, more effective Citizens Band communications. Front-panel selection of 4 transmit crystals. Sensitive tunable superhet receiver section has RF stage for 1 μ v sensitivity, automatic noise limiter, adjustable squelch control. 5-watt transmitter section features press-to-talk mike, pi-network output, plate modulation with automatic limiting. Eight tubes and germanium diode provide reliable performance. Metering lacks in cathode circuit for input power checking. Has function indicator lights. With mounting bracket, mike and crystal. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 12 1/2 lbs.

90 SX 137-J. \$5 Monthly. NET 79.95

90 SX 138-J. Above, factory wired and tested. \$6 Monthly. NET 109.95

MODEL 772 KIT. For 120 v. AC /12 v. DC.

90 SX 139-J. NET 89.95

90 SX 140-J. Above, factory wired and tested. \$6 Monthly. NET 111.95

Available In Kit Form or Wired



- Tunes CB and Broadcast Band
- Uses Rechargeable Battery
- 5 Mile Range
- 18 Transistors, 5 Diodes
- Variable Squelch and Sensitivity

To Recharge, Just Plug Into Any 115 VAC Wall Outlet

NEW VOCALINE COMMAIRE PT-27

Completely transistorized, battery-powered portable 4-channel Citizens Band transceiver. Offers versatile performance, reliable on-the-go communications. Operates at range of up to five miles with its 62" center-loaded whip—even greater ranges with a more elaborate antenna. Uses 18 transistors and 5 diodes.

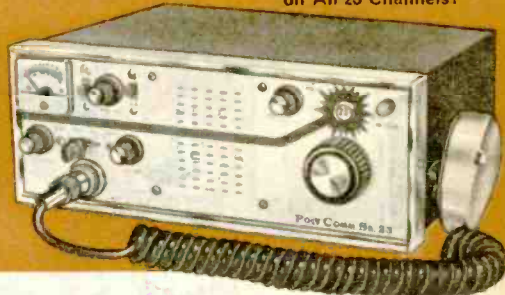
Double conversion superhet receiver section has 0.1 μ v sensitivity for 10 db signal-to-noise ratio. Tunes 22 channels and is also crystal-controlled on any of four channels. Also tunes 535-1605 kc broadcast band for news, weather, Conelrad, etc. CB receiver section has fine tuning control on fixed channels, adjustable sensitivity-squelch, ANL, and excellent adjacent-channel rejection.

Efficient transmitter section has 1-watt input, antenna tuning controls and meter. Front-panel switch selects any of 4 crystal-controlled channels. Waterproof battery compartment has built-in charger. Battery supplied may be used up to 30 hours before recharging. Also has panel light, press-to-talk mike. Rugged weatherproof aluminum case with handle. Size 9x4x11". Charger for 110-120 v., 50-60 cycle AC. Shpg. wt., 14 lbs.

90 SX 422-J. \$10 Monthly. NET 199.95

New . . . from Polytronics Lab, Inc.

Transmits and Receives
on All 23 Channels!



POLY-COMM PC-'N'12 TRANSCEIVER

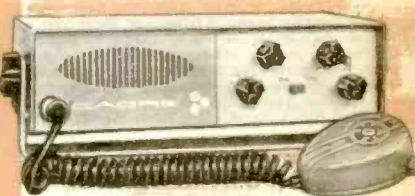
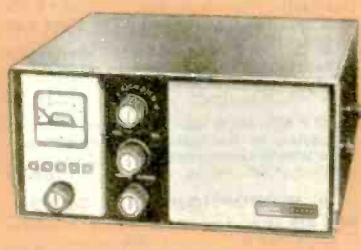
Dual conversion—features Nuvistor RF stage that provides better than 0.1 μ v receiver sensitivity. Has adjustable squelch; noise limiter; modulation indicator; 4" PM speaker; 5 watts input. Adjustable output matches 52-ohm or 72-ohm antennas. Extremely high adjacent channel signal rejection. Provision for 4 crystal-controlled transmit and receive channels. 11-tube circuit. With crystals for one channel, AC/DC power cords, press-to-talk mike, mtg. brackets. Steel cabinet. 7 1/2 x 11 1/2 x 9 1/2". For 110-120 v., 50-60 cycle AC or 12 v. DC. 18 lbs.
90 SU 423-J. \$10 Monthly NET 189.50

90 SU 424-J. MODEL PC-'N'-8. For 115 v. AC or 6 v. DC NET 189.50

**NEW POLY-TUNER. Plugs Into your Poly-Comm 'N' or 'II G'. Provides manual tuning of all 22 channels. Has S-meter. With Mounting bracket. 1 lb.
90 S 425. \$5 Monthly NET 34.95**

NEW! POLY-COMM SENIOR '23' TRANSCEIVER

For the CB perfectionist. Frequency synthesizer provides crystal-controlled transmit and receive on all 23 channels—no extra crystals to buy! "Poly-Call" two-way tone-controlled squelch silences receiver until mating unit in system calls in. Unaffected by transmissions from units not in system, even those operating on the same channel! Message light remains on after unit is called. Dual conversion superhet receiver section has nuvistor RF and mixer stages, squelch, noise limiter, 0.1 μ v sensitivity. Efficient 5-watt transmitter section matches 52 to 72-ohm antennas. All electronic switching circuitry eliminates relays. Meter indicates signal strength, RF output, or modulation. Unit doubles as PA amplifier. Uses 14 tubes and 10 diodes. 4 1/2 x 12 3/4 x 7". With press-to-talk mike, mobile mounting bracket, power cords, 2625 kc tone filter. For 110-120 v., 50-60 cycle AC or 12 v. DC. Shpg. wt.: 23 lbs.
90 SU 426-J. \$17 Monthly NET 349.50



NEW SONAR MODEL E

Dependable mobile or fixed-station transceiver. Has provision for 8 crystal-controlled transmit and receive channels; receiver also tunes all 22 channels. Receiver section has 0.5 μ v sensitivity adjustable squelch, ANL. Full 5-watt transmitter section has push-pull Class "B" or RF indicator. Uses 9 tubes, 4 diodes. With press-to-talk mike, crystals for one channel. 4 1/2 x 11 1/2 x 9 1/2". For 110-120 v., 50-60 cycle or 12 v. DC. 12 lbs.
90 SX 194-J. \$9 Monthly NET 179.50
90 SX 195-J. For 115 v. AC/6 v. DC. NET 179.50
90 S 427. S-METER. For above. 1/2 lb. NET 17.95

**DELUXE MODEL G. Dual-conversion receiver. Provision for 8 crystal transmit and receive channels; receiver also tunable. Spotting switch. Meter reads output and "S" units. 4 1/2 x 9 1/2 x 11 1/2". For 110-120 v., 50-60 cycle AC or 12 v. DC. 10 lbs.
90 SU 428-J. \$12 Monthly NET 229.50
90 SU 429-J. For 115 v. AC/6 v. DC. NET 229.50**

NEW! KAAR TR-327B TRANSCEIVER

For mobile or fixed-station use. Provides reliable 2-way communications. Has 2 channels crystal-controlled transmit and receive plus 3 channels crystal-controlled transmit and tunable receive on all 22 channels. Superhet receiver section has 0.5 μ v sensitivity, 6 kc selectivity, 2 IF stages, squelch, AVC, ANL. 5-watt input with 100% modulation capability. Has front-panel output tuning control. Illuminated signal and power output meter. 4 1/2" speaker. 2-tone gray cabinet—5 1/2 x 10 1/2 x 8 1/2". With press-to-talk mike, AC and DC cables and mtg. bracket; less crystals. For 110-120 v., 50-60 cycle AC or 12 v. DC. Shpg. wt.: 16 lbs.
90 SU 430-J. \$10 Monthly NET 189.00
90 SU 431-J. For 115 v. AC/6 v. DC. NET 189.00
90 SU 432-J. TR-327A. (Not illus.) 4 channel crystal-controlled transmit-receive; also tunes AM broadcasts. For 115 v. AC or 12 v. DC. NET 199.00
90 SU 433-J. 115 v. AC/6 v. DC. NET 199.00

NEW! CADRE '510' TRANSCEIVER

Compact, completely transistorized 5-channel transceiver. Uses 48 transistors and 8 diodes for low battery drain—ideal for mobile as well as fixed-station applications. Has provision for 5 crystal-controlled transmit and receive channels. In addition, provides manual tuning that covers all 22 Citizens Band channels. Features dual-conversion superhet receiver section; 1/2- μ v sensitivity for reliable long-distance reception. Also has adjustable squelch, automatic noise limiter, pi-network output filter, speech clipping. Jack for headphones or external speaker. Provision for selective calling. Easily mounted in car, truck, boat or plane. Brushed aluminum and charcoal metal case. 3 1/2 x 11 1/2 x 5 1/2". With press-to-talk mike, crystals for Channel 11, mtg. bracket, plus power cords for AC and DC. For 110-220 v., 50-60 cycle AC or 12 v. DC. Carrying case and rechargeable battery pack available on special order, 10 lbs.
90 SU 434-J. \$8 Monthly NET 179.95

HAMMARLUND HQ-105TR RECEIVER TRANSCEIVER

Combines a sensitive, general-coverage shortwave receiver with a 5-watt single-channel transmitter that can be used for Citizens Band communications or returned to the 10-meter Amateur Band (requires general-class Amateur license for use on 10 meters). Receiver is continuously tunable from 540 kc to 30 mc in 5 ranges. Has variable Q-multiplier, sensitivity and selectivity controls; S-meter, bandspread, BFO, antenna trimmer. Offers push or switch-to-talk transmitter. Sensitivity: 1.75 μ v. Size, 9 7/8 x 16 1/2 x 9 1/2". Less crystal, clock-timer, speaker, below, and mike. For 110-120 v., 50-60 cycle AC. Wt., 35 lbs.
90 SU 181-J. \$11 Monthly NET 219.50
90 SU 184-J, HQ-105TRC. Above, with clock-timer. 37 lbs. NET 229.50
90 SX 659-J. S-100 SPEAKER. For above. 10 lbs. NET 4.95
90 SU 276-J. HQ-105TRS. Above, with speaker, less clock. 37 lbs. NET 224.50

**MODEL CB-8 8-CHANNEL PUSH-BUTTON CRYSTAL SELECTOR. Plugs into above Hammarlund transceivers. Permits instant selection of any of 8 crystal-controlled transmitting frequencies. Less crystals. 1 1/2 x 7 1/2 x 7 1/2". 1/2 lb.
90 S 021. NET 15.95**

For Listings of CB Crystals, See Following Page

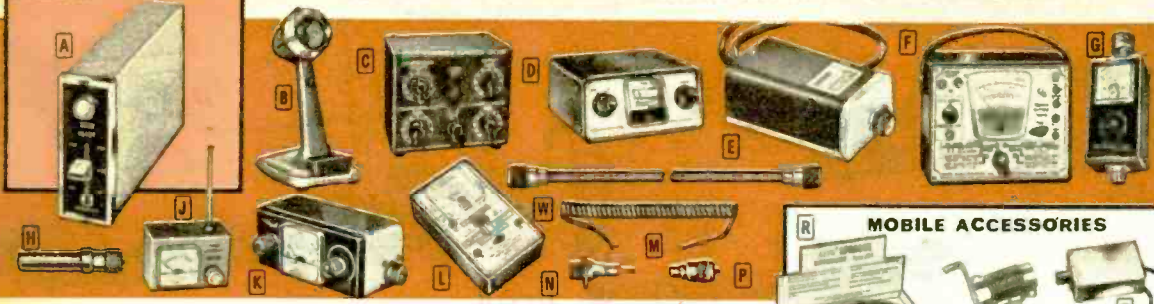


HQ-105TRC, Speaker

CB-8

NEW! SELECTIVE CALLING

Selected Citizens Band Station Accessories



A JOHNSON "TONE-ALERT"

Selective calling system attaches to most CB units. Uses frequency-selective resonant relay. Unit remains silent until called by other units in system. Unaffected by units not in system. 4x1 1/2x7 1/2". For 115 v. AC/12 v. DC units. 4 lbs. **89 S 389**. \$5 Monthly. NET 59.95 **89 S 393**. For 115 v. AC/8 v. DC units. NET 59.95

B TURNER P-254C MICROPHONE

Versatile ceramic mike. Features push-to-talk bar and button, lock-on switch. 80-7000 cps response. -54 db. output. 5' cord. 2 1/2 lbs. **90 S 281**. NET 15.29

AUDIO COMPRESSORS

C ELENCO "POWER GAINER". Compression amplifier increases talk-power. Rides gain on voice frequencies essential to good communications. Prevents over and under-modulation. Not a clipper. 5x6x4". For 115 v. AC (6 and 12-volt DC models also available—specify when ordering.). With instructions. Shpg. wt. 3 lbs. **90 S 105**. \$5 Monthly. NET 45.00

D "SPEAKEASY" AUDIO COMPRESSOR. Amplifies softer sounds—maintains louder sounds—improves readability. Gain control, modulation meter. 2 1/2x5x4". For 115 v. AC or 12 v. DC. 3 lbs. **89 S 501**. \$5 Monthly. NET 34.75 **89 S 503**. For 115 v. AC/8 v. DC. NET 34.75

E BRC "NOISTOP"

Ignition noise filter reduces pulse-type interference from cars, trucks, outboard motors. Also provides squelch action. May be attached to any superhet-type CB transceiver. 1 1/2x2 1/2x4". 1 lb. **90 S 106**. NET 16.95

CB TEST EQUIPMENT

F SECO 310. For fast CB servicing. Reads modulation, RF output. Tests tuning stubs, transmission lines, connectors, etc. Provision for audio monitoring, scope. 5 1/2x6 1/2x2 1/2". 2 lbs. **87 F 306**. \$5 Monthly. NET 46.95

G 90 S 280. CESCO CB-52C. Reads power output and SWR. Reads 0-5 watts. For 52-ohm coaxial lines. 5 1/2x2 1/2x2 1/2". WVL. 10 oz. NET 24.95

H 89 S 505. CESCO "PHANTOM". 52-ohm non-inductive dummy load. For CB transceivers. Has UHF connector. Wt., 6 oz. NET 1.49

J 89 S 507. MONARCH FSI-1. Field-strength meter has magnet base, 200 µa meter, 10x1/2" whip. 2 1/2x3 1/2x1 1/4". From Japan. 8 oz. NET 6.95

K M. C. JONES "MICROMATCH". Measures RF power output and SWR. May be left in circuit. For 52-ohm coax lines. 2x4 1/2x2 1/2". 1 lb. **90 S 149**. \$5 Monthly. NET 26.50

L 87 F 305. SECO 500. Test set checks crystals. provides RF test signal. Has 2 transistors, 1 diode. With 15' remote cable, batteries. Size, 6 1/2x3 1/2x2 1/2". WVL, 1 1/2 lbs. NET 29.95

M MICROPHONE COIL-CORD

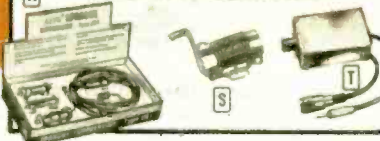
90 S 028. MONARCH "KURLY-KORD". Extends to 5' snaps back to 1'. For high-imp. mikes. 3-cond., 1 shielded. From Japan. 8 oz. NET 2.29

CESCO-CABLE ADAPTERS

N 90 S 029. TYPE CS. SO-239 socket one end, auto spade plug other end. 3 oz. NET 1.29

P 90 S 030. TYPE SC. PL-259 plug one end, auto spade socket other end. 3 oz. EA. 1.29

MOBILE ACCESSORIES



MOBILE ACCESSORIES

R SPRAGUE SK-1 "SUPPRESSKIT". Ignition interference suppression kit. Easily installed. For 6 or 12-volt systems. Contains 5 "Thru-Pass" capacitors, wire, instructions. 1 1/2 lbs. **89 S 511**. NET 17.85

S CESCO 3-30 NOISE FILTER. Eliminates generator whine. Tunable 3-30 mc. Easily installed. With mtg. bracket. 5 oz. **89 S 512**. NET 2.95

T HY-GAIN CPR COUPLER. Switches antenna between CB and auto radios. Negligible loss. With cables, connectors. 7 oz. **89 S 513**. NET 8.97

W MADE-UP COAX CABLE KITS

Use low-loss cable with silver plated connectors. RG-58/U except *RG-8/U.

Stock No.	Length, Ft.	PL-259 Connector	Wt., Lbs.	NET EACH
89 S 514	10	Each End	1/2	2.95
89 S 515	10*	Each End	1/2	3.75
89 S 516	20	Each End	1	3.75
89 S 517	20*	Each End	1	4.45
89 S 518	50	Each End	1 1/2	5.75
89 S 519	50*	Each End	1 1/2	8.25
89 S 520	100	Each End	3 1/2	8.95
89 S 522	100*	Each End	3 1/2	14.95
89 S 524	10	One End	1/2	2.45
89 S 528	10	One End	1/2	2.95
89 S 530	20	One End	1	2.95
89 S 537	20*	One End	1	3.95
89 S 538	50	One End	1 1/2	4.85
89 S 539	50*	One End	1 1/2	7.95
89 S 540	100	One End	3 1/2	7.95
89 S 541	100*	One End	3 1/2	14.45

COMPREHENSIVE LISTING OF TRANSMITTING AND RECEIVING CRYSTALS

Easy-to-follow listing of transmitting and receiving crystals for all popular Citizens Band units. Available for any channel, 1 to 22. Specify Stock No. and Channel desired. Precision made, have hermetically sealed holders. Tolerance: ± .005%—meet FCC requirements. For

equipment not listed here, write to our Technical Service Department. Give make and model of your equipment and as much circuit and crystal information as is possible. *Indicates none required. "Special" indicates Special Order—30 day delivery. Wt., 3 oz.

Manufacturer and Model	Stock Number		Manufacturer and Model	Stock Number		Manufacturer and Model	Stock Number	
	Transmit	Receive		Transmit	Receive		Transmit	Receive
Airline (Wards) 587	90 SS 368	90 SS 363	Heath CB1	90 SS 366	*	PolyComm PC-11, H.C.N	90 SS 355	90 SS 364
Action Lab. TCI-77	90 SS 350	Special	Heath CW10	90 SS 366	*	Radion	90 SS 366	90 SS 363
Arkay (All Units)	90 SS 366	90 SS 360	Heath GW21	90 SS 366	90 SS 360	Radion RT70A	90 SS 366	90 SS 358
Arvin (All Units)	90 SS 353	90 SS 375	Heath GW30	90 SS 353	90 SS 365	Raytheon TWR-1	90 SS 368	90 SS 363
Bendix BC-6	90 SS 351	90 SS 358	Heath GW31	90 SS 353	*	Ray Jefferson	90 SS 366	*
Browning Mobile	90 SS 367	*	Int'l. Executive	90 SS 354	90 SS 361	RCA, (All Units)	90 SS 366	90 SS 358
Browning S-9	90 SS 366	*	Int'l. Exec. 50, 100	90 SS 354	90 SS 374	Realistic CBK1	90 SS 366	90 SS 363
Cadre 500	90 SS 394	90 SS 370	Johnson Personal Mess.	90 SS 353	90 SS 375	Regency CBM27	90 SS 366	*
Chickadee (All Units)	90 SS 366	*	Johnson Viking Mess.	90 SS 352	90 SS 362	RME 4303	90 SS 353	*
Chickadee CDS	90 SS 371	90 SS 372	Kaar TR330, 326A, 327	90 SS 354	90 SS 376	Shell CB-12	90 SS 366	*
Courier I (ECI)	90 SS 373	*	Knight KN-2500	90 SS 366	90 SS 358	Sonar Model D	90 SS 366	90 SS 363
D.A.W. (All Units)	90 SS 366	*	Lafayette HE15	90 SS 366	*	Sonar "E", Serial No. 915 and lower	90 SS 377	90 SS 363
Dewald TR910	90 SS 366	*	Lafayette HE20	90 SS 366	90 SS 358	Sonar "E", Serial No. 916 and Higher	90 SS 377	90 SS 378
Dixon (All Units)	90 SS 366	*	Lafayette HE29	90 SS 366	90 SS 363	Tel-Rad (All Units)	90 SS 366	90 SS 358
Edeco (All Units)	90 SS 366	Special	La Salle LA101	90 SS 366	90 SS 363	Transponder 1000	90 SS 352	90 SS 362
Eico 762 Series	90 SS 371	*	Lincoln L2700A, 2000A	90 SS 366	*	Transpace (All Units)	90 SS 368	90 SS 358
Eico 772 Series	90 SS 366	90 SS 356	Lincoln L-2710, Walkie-Talkie	90 SS 353	90 SS 375	Triumph TC-900	90 SS 353	90 SS 375
General Radiotelephone MC-1, 2, 3	90 SS 366	90 SS 363	Lafayette HE15	90 SS 366	90 SS 363	USL R800, TR910	90 SS 366	*
Gen. Radiotele. MC-4	90 SS 354	90 SS 363	Lafayette HE20	90 SS 366	90 SS 363	USL TR1000	90 SS 366	90 SS 358
Globe CB100	90 SS 366	90 SS 367	Lafayette HE29	90 SS 366	90 SS 363	Universal CT2701	90 SS 353	90 SS 375
Globe CB100A	90 SS 366	90 SS 357	La Salle LA101	90 SS 366	90 SS 363	Utica T&C MC27	90 SS 366	90 SS 357
Globe CB200	90 SS 350	90 SS 357	Lincoln L2700A, 2000A	90 SS 353	90 SS 375	Vanguard (All Units)	90 SS 352	*
Gonset G11, 12, 14, 15	90 SS 351	90 SS 358	Lincoln L-2710, Walkie-Talkie	90 SS 353	90 SS 375	Vocaline ED27M	90 SS 367	*
Grove Electric	90 SS 366	*	Magnavox	90 SS 366	90 SS 363	Wards Sec Airline	90 SS 366	90 SS 363
Hallcrafters CB2, 3	90 SS 352	90 SS 359	Milfone 400M1	90 SS 353	90 SS 375	Webster 4-11	90 SS 368	90 SS 363
Hallmark (All Units)	90 SS 366	*	Milfone 400M2	90 SS 366	90 SS 363	Westron 909	90 SS 366	90 SS 363
Hammalund/HQ105TR	90 SS 366	*	Miratel CR117	90 SS 366	90 SS 363	WRL ECBK	90 SS 366	*

Be Sure to Specify Stock No., and Channel Desired NET EACH 2.50

Antennas for Citizens Band Stations

MOBILE CITIZENS BAND ANTENNAS

HY-GAIN

- A** 90 SX 126. CMR 50' WHIP/MOUNT. Base-loaded stainless steel whip. With mount, coax fitting. Single hole mtg. 1 lb. NET 8.97
- B** 90 SX 130. TLWT 50' TELESCOPING WHIP. SS and chromed brass. Closes to 28". 3/4-24 stud. 12 oz. NET 7.20
- C** 90 SX 129. TLWT-M WHIP/MOUNT. Above, with chromed body mount, coax fitting. WT. 1 lb. NET 8.95
- C** 90 SX 127. TLW-M 50' WHIP/MOUNT. Top-loaded for improved radiation and matching. Rugged weatherproof coil capsule. Chromed plated body mount and coax fitting. 1 lb. NET 8.95
- D** 90 SX 128. TLW WHIP. Std. stud. 12 oz. NET 6.96
- D** 90 CZ 131. BWS. KIT. Cadmiumplated double-tapered spring, stainless 102" whip-bumper mount and strap. 4 lbs. NET 12.96
- D** 90 CZ 141. W-102 102" WHIP. Stainless steel, tapered whip. Std. stud. 1 1/4 lbs. NET 4.35

ANTENNA SPECIALIST KITS

- E** 89 SX 792. ASP-185 KIT. Clamp-on base-loaded 40' whip with 12" RG-58/U, PL-259 adapter. Shpg. wt., 1 1/2 lbs. NET 12.23
- F** 89 CZ 793. M-23 KIT. 102" stainless whip, coax base, spring, 20" RG-58/U, 2-PL-259's hardware. mtg. pads. 5 1/2 lbs. NET 17.46
- G** 89 CZ 794. MB-24 KIT. 102" whip, spring, double chain bumper mount, 20" RG-58/U, PL-259, hold-down clip. 7 lbs. NET 18.67
- G** 89 CZ 795. M-24. Above, single-chain mount. Shpg. wt. 6 lbs. NET 15.88
- H** 90 SX 142. M-67 KIT. 44" base-loaded stainless steel whip with roof-top mount, 12" RG-58/U, PL-259 connector. 1 1/2 lbs. NET 15.68
- J** 89 SX 796. M-73 KIT. As above, has trunk-groove mount that installs in seconds. Securely fits all cars. 2 1/2 lbs. NET 16.72
- K** 89 SX 797. M-74 KIT. Same as M-67, but with mount for cowl fender or deck-mtg. Adjustable 35". Wt., 2 lbs. NET 18.94

BASE STATION CITIZENS BAND ANTENNAS

NEW MASTER-MOBILE BEAM

- T** 89 CZ 815. CBVM-1. Switches from vert. to horiz. polarization. 9-db gain. Aluminum elements, boom 9 1/2". Requires 2 52-ohm lines. With control box. 20 1/2 lbs. NET 44.95

MOSLEY 3-ELEMENT BEAM

- W** 89 CX 816. A-311 BEAM. Mounts horizontally or vertically. Provides approx. 8 times power gain. Elements and 12" boom of aluminum. 9 1/2" turning radius. 23 lbs. NET 37.50

ANTENNA SPECIALISTS

- X** 90 CZ 278. M-81 "MAGNUM." Omnidirectional antenna provides effective 6 db gain. 5-section heavy-walled aluminum 207" 1/2-wave radiator, 84" aluminum radials. Matches 50-ohm transmission lines. Fits most all masts. 10 lbs. NET 27.87
- Y** 89 CU 817. MC-27 GROUND PLANE. Omnidirectional antenna has 108" aluminum radials and radiator. Radials bend to match 50-ohm lines. Fits 1" to 1 1/2" masts. Takes PL-239. 5 lbs. NET 15.64
- Z** 89 SX 818. M-38 ISOLATING SKIRT. For above. Mounts 9" below antenna. Lowers radiation angle. Fits 1-1 1/2" mast. 3 lbs. NET 11.15
- AA** 89 CZ 819. M-36 COAX ANTENNA. Omnidirectional 1/2-wave antenna. Mounts on 3/2" pipe. Consists of 9' aluminum radiator on 9' aluminum skirt. For 52-ohm lines. Radiator element accepts PL-259. 6 1/2 lbs. NET 19.56
- BB** 89 CZ 820. M-37 VERTICAL 3-ELEMENT BEAM. Provides unidirectional low-angle radiation pattern—7 db forward gain and 13 1/2 db front-to-back ratio. Boom and elements are of heavy-walled aluminum tubing. Height, 18"; boom length, 11". Mounts on 1" mast (not supplied). For 52-ohm coax. Accepts PL-259. 15 lbs. NET 44.10

NEWTRONICS ANTENNAS

- L** 89 SX 798. CB-27. 60' 4-section whip closes to 27". Tunable to any channel. With integral cowl mount. 5' RG-58/U, PL-259. 1 lb. NET 10.44
- M** 90 S 994. C-32 BODY MOUNT. For any tuned whip. Adjusts 180". Insulator, hdwe. 2 lbs. 2.01
- N** 90 S 995. C-29 SPRING. Stainless steel. Std. 3/4"-24 tapped hole, and stud. 1 1/4 lb. 3.06

MARK MOBILE

- P** HW-11 "HELIIWHIPS." Fiberglass-molded loaded whips. HW-11-4 for heavy-duty use; others light-duty types for compact installations. Fit standard or HWM mounts (below). 1 lb.

Stock No.	Type	Length	NET
89 SX 799	HW-11-4	4 ft.	9.95
90 SX 132	HW-11-S4	3 ft.	7.20
90 SX 133	HW-11-S3	3 ft.	7.20
90 SX 134	HW-11-S18	1 1/2 ft.	7.20

- R** HWC "HELIIWHIP" KITS. Light-duty antenna, with cowl mount and 10' RG-58/U coax, PL-259 except "roof-top mount 2 lbs.

Stock No.	Type	Length	NET
89 CX 801	HWC-4	4 ft.	9.95
89 CX 804	HWC-3	3 ft.	9.95
89 CX 810	HWC-18	18"	9.95
89 CU 811	HWR-42*	42"	14.95

- MOUNTING ACCESSORIES.** For above. HWM-1 is heavy-duty fiberglass flat-surface mount. HWM-3 is light-duty molded mount with angle mtg. swivel. SA-1 90° swivel adapter. 1 lb.

Stock No.	Type	Use With	NET
89 S 614	HWM-1	All HW-11 whips	7.50
90 S 135	HWM-3	HW-11-S whips	4.25
90 S 122	SA-1	HWM-1 mount	3.00

MOBILE ANTENNA PACKAGES

- S** 89 CZ 812. Includes 102" stainless steel whip, standard chromed double-taper spring, chrome ball mount. Shpg. wt., 6 lbs. NET 6.95
- S** 89 CZ 813. Above, but extra heavy-duty spring, cadmium-plated aluminum-finish ball mtg. NET 8.95
- S** 89 CZ 814. Above, but chromed heavy-duty spring and ball mount. 7 lbs. NET 10.95

CESCO "DUO-POLE"

- CC** 89 SX 821. Omnidirectional grounded quarter-wave antenna of extruded dual-aluminum tubing. For 52-ohm coax lines. Fits 1 1/2" mast. 110" above mast. 108" radials. 7 1/2 lbs. NET 29.95

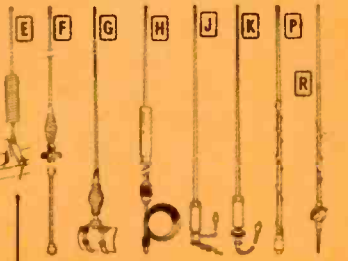
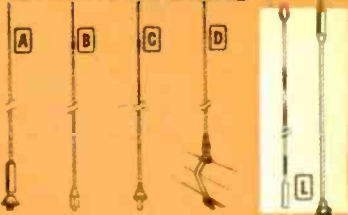
HY-GAIN

- DD** 89 SX 822. CXL COAXIAL ANTENNA. For inconspicuous roof or side mounting. 3/4" OD aluminum tubing radiator 2" OD aluminum sleeve. Fits 1-1 1/2" mast. Length 18". For 52-ohm coaxial lines. Shpg. wt. 7 1/2 lbs. NET 19.95
- 89 SX 823. BRP BUMPER MOUNT.** 1 1/2 lbs. 6.57
- EE** 89 S 545. CW TELESCOPING WHIP. 15' to 45" whip for transceiver mtg. Has coil, swivel, PL-259. 1 lb. NET 5.97
- FF** 89 CZ 824. CLR. COLINEAR GROUND PLANE. 3 db gain, 52-ohms. Aluminum tubing. Height, 20"; 9' radials. Takes mast up to 1 1/2". Wt., 10 lbs. NET 29.97
- GG** 89 SZ 825. SGP GROUND PLANE. Matches 52 ohms. Radiator and radials 3/4" aluminum tubing for 1 1/2" masts. 5 lbs. NET 16.17
- HH** 89 CZ 826. 113-B 3-ELEMENT BEAM. 9-db gain, 25 db F/B. 8' boom, 16 1/2" element. 50 ohms. Less mast. 15 lbs. NET 31.50
- 89 S 615. 113S STACK KIT.** 12 lbs. NET 59.85

ANTENNEX

- JJ** 90 CZ 185. CBGP-1 GROUND PLANE. Omnidirectional 1/2-wave all-aluminum antenna. Has 9' radiator. 4-9' radials. Requires 10" mast up to 1 1/2" dia. Wt., 6 lbs. NET 8.98
- KK** 90 CZ 279. CBY3 3-ELEMENT BEAM. Provides 8-db gain, mounts either vertically or horizontally. All-aluminum construction, 9' boom is 1" dia. Elements are 3/2" dia. Longest element 18". Turning radius 9". Accepts masts to 1 1/2" dia. Less mast. 6 lbs. NET 14.95

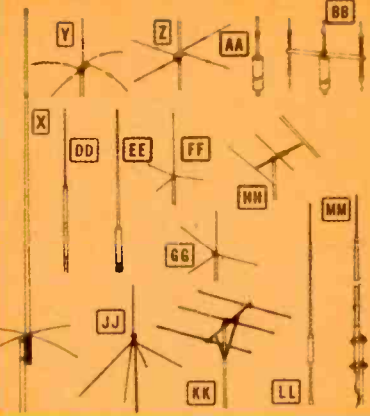
MOBILE ANTENNAS



COMPLETE MOBILE KITS



BASE STATION ANTENNAS



MARK MOBILE

- LL** 90 CZ 136. NEW CBB-1 "BEACON" VERTICAL. Unique 1/2-wave base station antenna requiring no radials or skirts, but with 1 db gain over std. ground planes. Has 17' aluminum radiator, fiberglass mtg. section and 50-ohm matching stub. Excellent for chimney, roof or side mtg. Accepts PL-259. Wt., 8 lbs. NET 21.95
- MM** NEW "SUPER-BEACON." Full-size, omnidirectional 1/2-wave vertical antenna provides low radiation angle. 19' radiator has dielectric coating to reduce precipitation static—improves effective receiver sensitivity by up to 20 db. Needs no radials. Use with any 52-ohm line. With instructions and SO-239 fitting. 12 lbs. NET 36.95

Citizens Band Walkie-Talkies

Keep in touch wherever you go! Great for business or personal use—for all types of indoor or outdoor activities.



POPULAR LINCOLN 9-TRANSISTOR WALKIE-TALKIE

Only
\$3250 Each
\$5 monthly

- Up to 1 Mile Range
- No License Needed

A proven performer, this rugged, leather-light, highly dependable walkie-talkie is a pleasure to use. Powered by 9 transistors so it's always ready for action—needs no warmup time, operates as soon as you turn it on. Provides consistent, on-the-go communications at distances of up to a mile or more. You need no license to operate it, meets FCC requirements for low-power unlicensed units. Features sensitive crystal-controlled superheterodyne receiver section; full 100% modulation for outstanding "talk-power;" convenient press-to-talk operation. Has speaker that doubles as a sensitive microphone when transmitting. Efficient 57" whip antenna telescopes out of sight when not in use. Compact, sturdy gray metal case measures only 5½x2½x1½". Complete with carrying case, leather shoulder strap, earphone for private listening, and transmitting and receiving crystals for Channel 7. Less batteries, below (uses 7). Imported from Japan. Shpg. wt., 1½ lbs.

90 SC 436-J. \$5 Monthly

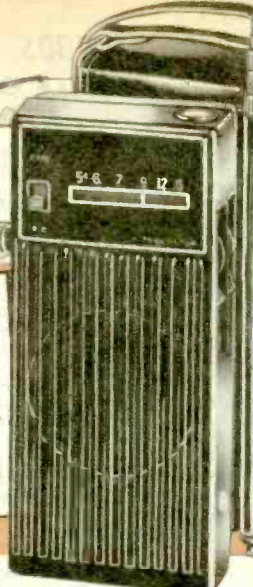
EACH ONLY 32.50

55 J 020. 1 ½-VOLT PENLIGHT CELL. For above. Takes 7.2 oz. . . . EACH 10c

DUAL-PURPOSE

Use As AM Radio for Music, News and Sports

Always Keep In Touch Wherever You May Go



DELUXE 9-TRANSISTOR WALKIE-TALKIE WITH AM RADIO

Each

\$3750

- 2 Units In 1—CB Transceiver, AM Radio
- Crystal-Controlled Transmit and Receive
- No FCC License or Permit Required
- Efficient Nine-Transistor Circuit

Enjoy the convenience of two-way radio communications, or flip a switch and tune in all of your favorite AM broadcast programs. This unique unit provides reliable communications at ranges of up to 1 mile—more over ideal terrain. Uses 9 transistors for instant operation and low battery drain. Has crystal-controlled superhet receiver section, push-pull audio amplifier that delivers fine sound. Speaker doubles as mike in transmit position. Also has log-type AM dial, 57" telescoping antenna, 8½x2½x1½". With batteries (takes 6), leather case, shoulder strap, earpiece, crystals for Channel 10. From Japan. 2½ lbs. NET EACH 37.50

55 J 020. EXTRA 1 ½-V. PENLIGHT CELL. Takes 6.2 oz. . . . EACH 10c

90 S 025. 9-Volt Battery Charger. For operating any 9-volt Walkie-Talkie from 110-120 v., 50-60 cycle AC. Also charges batteries, 6 oz. . . . NET 1.99

NEW JOHNSON 1-WATT PERSONAL MESSENGER

- 11 Transistors, 4 Diodes
- Noise Limiter, Squelch
- Automatic Volume Control
- "Push-Pull" Audio Output

Now you can get 10 times the power of most Citizens Band walkie-talkies. The new Viking 1-Watt Personal Messenger doubles your effective operating range. Fits in your hand—circuit contains 11 transistors and 4 diodes. Use it for any of hundreds of 2-way communications applications. Meets FCC requirements for licensed Citizens Band station use.

Offers crystal-controlled superhet receiver section with RF amplifier for double sensitivity. Powerful, 2-stage transmitter section punches your signal home—even at extreme ranges. "Push-pull" audio circuit gives clean voice reproduction.

Reliably engineered, utilizes printed circuit chassis board, moisture-proof speaker-microphone, high-impact case, press-to-talk switch. Also has squelch control, On-Off/Volume control. Plug-in case for penlight cells (uses 8) or rechargeable battery. Telescoping antenna. Has socket for earphone. With transmitting and receiving crystals for one channel. Made in U.S. Less batteries, below, 2 lbs.

90 SC 193-J. \$7 Monthly . . . NET 129.95

90 SC 108-J. OPTIONAL RECHARGEABLE NICKEL-CADMIUM BATTERY. For above. Replaces penlight cells. Recharges from any 115 v. AC outlet. In sealed plug-in battery case. Wt., 4 oz. . . . NET 19.95

55 J 020. PENLIGHT CELL. Requires 8. Shpg. wt., 2 oz. . . . NET EACH 10c

Rechargeable Battery Pack Available



IN EASY-TO-BUILD KIT FORM

Complete With Rechargeable Battery

"Transette" Eico

"TRANSETTE" WALKIE-TALKIE

Fits in your pocket—yet provides reliable 2-way communications at ranges of up to ½ mile. Meets FCC regulations for unlicensed CB units. Uses 4-transistors. Has super-regen fixed-tuned receiver section and crystal-controlled 80-mw transmitter section, 12 section-40" whip. Maroon case, 5½x1½x1½". With earphone, leather case, shoulder strap, earphone pouch, crystals for one channel. Less 9-v. battery (below). From Japan. 8 oz.

90 SC 282-J. \$5 Monthly . . . NET 19.95

55 J 119. 9-V. BATTERY. 2 oz. . . . EACH 21c

EICO MODEL 740 WALKIE-TALKIE KIT

Complete 9-transistor walkie-talkie in easy-to-build kit form. Features a nickel-cadmium battery that can be recharged overnight. Meets FCC requirements for low-power unlicensed CB units. 100-mw. transmitter and receiver sections are crystal-controlled. Has press-to-talk switch, 2½" speaker-mike, 41" whip antenna. Battery lasts for 300 recharges, up to 2500 operating hours. 7½x2½x1½". With crystals for Channel 16, instructions. 1½ lbs.

90 SC 177-J. \$5 Monthly . . . NET 54.95

90 SC 178. Above, wired and tested. \$5 Monthly . . . NET 79.95



2500 Hours On a Single Battery



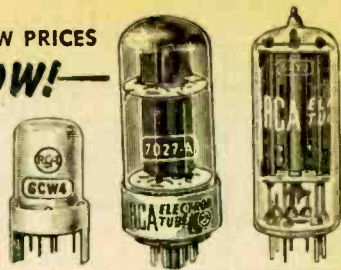
RCA—THE GREAT NAME IN ELECTRONIC TUBES—AT NEW LOW PRICES

- Up to 60% Off List Price
- May be Assorted for Quantity-Price Savings
- Always Freshest Stocks—Full One-Year Guarantee
- Get the Tubes You Need on Our Credit Fund Plan

You can be sure of complete satisfaction when you order receiving tubes from Allied. We will replace any tube that does not give efficient performance for 12 months from date of purchase. This does not apply to broken tubes. *Not made by RCA—other well-known brands supplied. Purchasers of tubes in lots of 15 or more may obtain RCA's Receiving Tube Manual at no extra cost—ask for Stock No. 37 K 575. Av. shpg. wt. per tube, 4 oz.; per 10 tubes, 2 1/2 lbs.

ACT NOW!

Take advantage of our liberal, convenient Credit Fund Plan—purchase all of the receiving tubes you need from Allied on our dollar-stretching Easy Pay Plan. You can take up to 24 months to pay . . . no money down!



Tube Type	List Price	NET EACH in Quantities of:		
		1 to 9	10 to 49	50 or More
EM84/6FG6	\$3.25	1.63	1.46	1.30
OZ4	2.40	1.20	1.08	.96
OZ4A	2.15	1.08	.97	.86
OZ4G	2.60	1.30	1.17	1.04
1A3	4.95	2.48	2.23	1.98
1A5GT	4.25	2.13	1.91	1.70
1A7GT	5.75	2.88	2.59	2.30
1AX2	3.05	1.53	1.37	1.22
1B3GT	2.90	1.45	1.31	1.16
1C5GT	5.30	2.65	2.39	2.12
1DN5	2.50	1.25	1.13	1.00
1G3GT/1B3GT	2.90	1.45	1.31	1.16
1H5GT	4.15	2.08	1.87	1.66
1J3	2.90	1.45	1.31	1.16
1K3	2.90	1.45	1.31	1.16
1L6	6.80	3.40	3.06	2.72
1LA6	6.20	3.10	2.79	2.48
1LB4	8.65	4.33	3.90	3.46
1LC6	8.30	4.15	3.74	3.32
1LD5	8.40	4.20	3.78	3.36
1LE3	6.40	3.20	2.88	2.56
1LG5	6.20	3.10	2.79	2.48
1LH4	8.05	4.03	3.63	3.22
1LN5	8.15	4.08	3.67	3.26
1N2A	4.65	2.33	2.09	1.86
1N5GT	5.20	2.60	2.34	2.08
1R5	2.70	1.35	1.21	1.08
1S2A*	3.10	1.55	1.40	1.24
1S4	4.35	2.18	1.96	1.74
1S5	2.65	1.33	1.19	1.06
1T4	2.50	1.25	1.13	1.00
1U4	2.50	1.25	1.13	1.00
1U5	2.20	1.10	.98	.88
1V	5.85	2.93	2.63	2.34
1V2	2.10	1.05	.95	.84
1X2A	3.05	1.53	1.37	1.22
1X2B	3.05	1.53	1.37	1.22
2A3	10.50	5.25	4.73	4.20
2AF4B	4.05	2.03	1.82	1.62
2BN4	2.55	1.28	1.15	1.02
2BN4A	2.55	1.28	1.15	1.02
2CW4 Nuvistor	4.45	2.23	2.00	1.78
2CY5	2.85	1.43	1.28	1.14
2DS4 Nuvistor	4.45	2.23	2.00	1.78
2EN5	2.10	1.05	.95	.84
2ER5	3.50	1.75	1.58	1.40
2FH5	3.05	1.53	1.37	1.22
2GK5	4.05	2.03	1.82	1.62
3A2	4.85	2.43	2.18	1.94
3A3	3.40	1.70	1.53	1.36
3AF4A	4.05	2.03	1.82	1.62
3AL5	1.85	.93	.83	.74
3AU6	2.15	1.08	.97	.86
3AV6	1.75	.88	.79	.70
3B2	9.85	4.93	4.44	3.94
3BA6	2.15	1.08	.97	.86
3BC5	2.35	1.18	1.06	.94
3BE6	2.25	1.13	1.01	.90
3BN4A	2.55	1.28	1.15	1.02
3BN6	3.05	1.53	1.37	1.22
3BU8	2.85	1.43	1.28	1.14
3BY6	2.35	1.18	1.06	.94
3BZ6	2.30	1.15	1.04	.92
3CB6	2.30	1.15	1.04	.92
3CE5	2.35	1.18	1.06	.94
3CF6	2.55	1.28	1.15	1.02

Tube Type	List Price	NET EACH in Quantities of:		
		1 to 9	10 to 49	50 or More
3CS6	\$2.45	1.23	1.10	.98
3CY5	2.85	1.43	1.28	1.14
3DG4	3.40	1.70	1.53	1.36
3DK6	2.40	1.20	1.08	.96
3DT6A	2.20	1.10	.99	.88
3EA5	2.85	1.43	1.28	1.14
3ER5	3.50	1.75	1.58	1.40
3GK5	4.05	2.03	1.82	1.62
3GS8/3BU8	2.85	1.43	1.28	1.14
3LF4	6.40	3.20	2.88	2.56
3Q4	3.55	1.78	1.60	1.42
3Q5GT	5.65	2.83	2.54	2.26
3S4	2.65	1.33	1.19	1.06
3V4	2.50	1.25	1.13	1.00
4AU6	2.15	1.08	.97	.86
4AV6	1.70	.85	.77	.68
4BC5	2.35	1.18	1.06	.94
4BC8	4.05	2.03	1.82	1.62
4BL8	2.55	1.28	1.15	1.02
4BN6	3.05	1.53	1.37	1.22
4BQ7A	4.20	2.10	1.89	1.68
4BS8	3.85	1.93	1.73	1.54
4BU8	2.85	1.43	1.28	1.14
4BZ6	2.25	1.13	1.01	.90
4BZ7	4.05	2.03	1.82	1.62
4CB6	2.30	1.15	1.04	.92
4CS6	2.35	1.18	1.06	.94
4CY5	2.85	1.43	1.28	1.14
4DE6	2.65	1.33	1.19	1.06
4DT6A	2.25	1.13	1.01	.90
4EH7	3.80	1.90	1.71	1.52
4EJ7	3.80	1.90	1.71	1.52
4ES8	4.60	2.30	2.07	1.84
4EW6	2.35	1.18	1.06	.94
4GS8/4BU8	2.85	1.43	1.28	1.14
5AM8	3.55	1.78	1.60	1.42
5AN8	4.00	2.00	1.80	1.60
5AQ5	2.20	1.10	.99	.88
5AS4A	2.65	1.33	1.19	1.06
5AS8	4.15	2.08	1.87	1.66
5AT8	3.65	1.83	1.64	1.46
5AU4	3.40	1.70	1.53	1.36
5AV8	4.05	2.03	1.82	1.62
5AW4	2.80	1.40	1.26	1.12
5AZ4	5.65	2.83	2.54	2.26
5B8	5.30	2.65	2.39	2.12
5BC3 Novar	2.30	1.15	1.04	.92
5BE8	3.30	1.65	1.49	1.32
5BK7A	3.40	1.70	1.53	1.36
5BQ7A	4.05	2.03	1.82	1.62
5BR8	3.65	1.83	1.64	1.46
5BT8	3.30	1.65	1.49	1.32
5BW8	3.40	1.70	1.53	1.36
5CG8	3.25	1.63	1.46	1.30
5CL8A	3.15	1.58	1.42	1.26
5CM8	3.80	1.90	1.71	1.52
5CQ8	3.35	1.68	1.51	1.34
5CZ5	4.35	2.18	1.96	1.74
5DH8	4.50	2.25	2.03	1.80
5DJ4	2.20	1.10	.99	.88
5EA8	3.15	1.58	1.42	1.26
5EU8	3.35	1.68	1.51	1.34
5EW6	2.35	1.18	1.06	.94

RECEIVING TUBES CONTINUED ON NEXT PAGE

RCA Receiving Tubes (Cont'd)

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Tube Type	List Price	NET EACH In Quantities of			Tube Type	List Price	NET EACH In Quantities of		
		1 to 9	10 to 49	50 or More			1 to 9	10 to 49	50 or More
5FG7	\$2.75	1.38	1.24	1.10	6BG6G	\$6.80	3.40	3.06	2.72
5FV8	3.15	1.58	1.42	1.26	6BH3 Novar	2.95	1.48	1.33	1.18
5GH8	3.20	1.60	1.44	1.28	6BH6	2.70	1.35	1.21	1.08
5GM6	2.40	1.20	1.08	.96	6BH8	3.50	1.75	1.58	1.40
5GX6	2.35	1.18	1.06	.94	6BJ6	2.60	1.30	1.17	1.04
5J6	2.85	1.43	1.28	1.14	6BJ7	3.15	1.58	1.42	1.26
5T4	12.10	6.05	5.45	4.84	6BJ8	3.50	1.75	1.58	1.40
5T8	3.40	1.70	1.53	1.36	6BK4	8.00	4.00	3.60	3.20
5U4G	2.10	1.05	.95	.84	6BK5	3.70	1.85	1.67	1.48
5U4GB	2.10	1.05	.95	.84	6BK7B	3.40	1.70	1.53	1.36
5U8	3.30	1.65	1.49	1.32	6BL7GTA	3.95	1.98	1.78	1.58
5V3A	3.85	1.93	1.73	1.54	6BL8	3.95	1.98	1.78	1.58
5V4GA	3.50	1.75	1.58	1.40	6BM8*	3.05	1.53	1.37	1.22
5V6GT	2.20	1.10	.99	.88	6BN4A	2.50	1.25	1.13	1.00
5X4G	3.35	1.68	1.51	1.34	6BN6	2.95	1.48	1.33	1.18
5X8	3.30	1.65	1.49	1.32	6BN8	3.05	1.53	1.37	1.22
5Y3GT	1.75	.88	.79	.70	6BQ5	2.35	1.18	1.06	.94
5Y4GA	2.60	1.30	1.17	1.04	6BQ6GTB/6CU6	4.35	2.18	1.96	1.74
5Y4GT	2.65	1.33	1.19	1.06	6BQ7A	3.95	1.98	1.78	1.58
5Z3	3.30	1.65	1.49	1.32	6BR8A	3.65	1.83	1.64	1.46
5Z4	8.35	4.18	3.76	3.34	6BS8	3.75	1.88	1.69	1.50
6A7	8.50	4.25	3.82	3.40	6BU8	2.80	1.40	1.26	1.12
6A8	6.85	3.43	3.08	2.74	6BV8	3.15	1.58	1.42	1.26
6A8G	8.60	4.30	3.87	3.44	6BW4	2.90	1.45	1.31	1.16
6A8GT	8.60	4.30	3.87	3.44	6BW8	3.50	1.75	1.58	1.40
6AB4	2.15	1.08	.97	.86	6BX7GT	4.00	2.00	1.80	1.60
6AB5/6N5	8.05	4.03	3.63	3.22	6BY5GA	5.10	2.55	2.30	2.04
6AB7	8.25	4.13	3.72	3.30	6BY6	2.50	1.25	1.13	1.00
6AC5GT	6.25	3.13	2.81	2.50	6BY8	2.65	1.33	1.19	1.06
6AC7	5.10	2.55	2.30	2.04	6BZ6	2.25	1.13	1.01	.90
6AD7G	9.40	4.70	4.23	3.76	6BZ7	4.00	2.00	1.80	1.60
6AF3	2.90	1.45	1.31	1.16	6BZ8	4.45	2.23	2.00	1.78
6AF4	4.00	2.00	1.80	1.60	6C4	1.85	.93	.83	.74
6AF4A	4.00	2.00	1.80	1.60	6C5	4.25	2.13	1.91	1.70
6AF6G	6.20	3.10	2.79	2.48	6C6	8.30	4.15	3.74	3.32
6AG5	2.75	1.38	1.24	1.10	6C8G	8.55	4.28	3.85	3.42
6AG7	6.20	3.10	2.79	2.48	6CA4	1.95	.98	.88	.78
6AH4GT	3.45	1.73	1.55	1.38	6CA5	1.95	1.58	1.42	1.26
6AH6	4.70	2.35	2.12	1.88	6CB5A	8.25	4.13	3.72	3.30
6AK5	4.40	2.20	1.98	1.76	6CB6A	2.25	1.13	1.01	.90
6AL3	2.75	1.38	1.24	1.10	6CD6GA	5.80	2.90	2.61	2.32
6AL5	1.85	.93	.83	.74	6CE5	2.35	1.18	1.06	.94
6AL7GT	5.75	2.88	2.59	2.30	6CF6	2.55	1.28	1.15	1.02
6AM4	5.90	2.95	2.66	2.36	6CG7	2.45	1.23	1.10	.98
6AM8A	3.45	1.73	1.55	1.38	6CG8A	3.30	1.65	1.49	1.32
6AN4	6.55	3.28	2.95	2.62	6CH8	5.20	2.60	2.34	2.08
6AN8A	4.00	2.00	1.80	1.60	6CK4	3.00	1.50	1.35	1.20
6AQ5A	2.15	1.08	.97	.86	6CL6	3.75	1.88	1.69	1.50
6AQ6	2.60	1.30	1.17	1.04	6CL8A	3.15	1.58	1.42	1.26
6AQ7GT	4.00	2.00	1.80	1.60	6CM6	3.30	1.65	1.49	1.32
6AQ8	3.15	1.58	1.42	1.26	6CM7	2.90	1.45	1.31	1.16
6AR6	2.65	1.33	1.19	1.06	6CM8	4.25	2.13	1.91	1.70
6AS5	2.40	1.20	1.08	.96	6CN7	2.75	1.38	1.24	1.10
6AS8	3.80	1.90	1.71	1.52	6CQ4	3.00	1.50	1.35	1.20
6AT6	1.90	.95	.86	.76	6CQ8	3.30	1.65	1.49	1.32
6AT8A	3.80	1.90	1.71	1.52	6CR6	2.40	1.20	1.08	.96
6AU4GTA	3.60	1.80	1.62	1.44	6CS6	2.35	1.18	1.06	.94
6AU5GT	4.30	2.15	1.94	1.72	6CS7	2.95	1.48	1.33	1.18
6AU6A	2.10	1.05	.95	.84	6CU5	2.35	1.18	1.06	.94
6AU8A	3.50	1.75	1.58	1.40	6CU6				
6AV5GA	4.00	2.00	1.80	1.60	6CU8	4.15	2.08	1.87	1.66
6AV6	1.65	.83	.74	.66	6CW4 Nuvistor	4.45	2.23	2.00	1.78
6AW8A	3.70	1.85	1.67	1.48	6CX8	3.65	1.83	1.64	1.46
6AX3	2.45	1.23	1.10	.98	6CY5	2.75	1.38	1.24	1.10
6AX4GTB	2.65	1.33	1.19	1.06	6CY7	3.20	1.60	1.44	1.28
6AX5GT	3.10	1.55	1.40	1.24	6CZ5	4.10	2.05	1.85	1.64
6AX8	3.70	1.85	1.67	1.48	6D6	7.80	3.90	3.51	3.12
6AY3 Novar	2.75	1.38	1.24	1.10	6DA4A	2.70	1.35	1.21	1.08
6AZ8	5.55	2.78	2.50	2.22	6DB5	5.30	2.65	2.39	2.12
6B4G*	15.05	7.53	6.78	6.02	6DC6	3.40	1.70	1.53	1.36
6B8	7.30	3.65	3.29	2.92	6DC8	3.20	1.60	1.44	1.28
6BA3 Novar	2.75	1.38	1.24	1.10	6DE4	2.80	1.40	1.26	1.12
6BA6	2.00	1.00	.90	.80	6DE6	2.55	1.28	1.15	1.02
6BA7	5.95	2.98	2.68	2.38	6DE7	3.40	1.70	1.53	1.36
6BA8A	3.85	1.93	1.73	1.54	6DG6GT	2.55	1.28	1.15	1.02
6BC4	4.90	2.45	2.21	1.96	6DK6	2.35	1.18	1.06	.94
6BC5	2.55	1.28	1.15	1.02	6DN6	7.45	3.73	3.36	2.98
6BC7	3.80	1.90	1.71	1.52	6DN7	3.50	1.75	1.58	1.40
6BC8	4.00	2.00	1.80	1.60	6DQ5	8.35	4.18	3.76	3.34
6BD6	2.45	1.23	1.10	.98	6DQ6B	4.15	2.08	1.87	1.66
6BE6	2.20	1.10	.99	.88	6DR4*	1.85	.93	.83	.74
6BF5	3.55	1.78	1.60	1.42	6DR7	3.40	1.70	1.53	1.36
6BF6	1.80	.90	.81	.72	6DS4 Nuvistor	4.45	2.23	2.00	1.78



QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Extra Savings When You Buy More Than 9 Tubes

The first net price column (1 to 9), is for orders of less than 10 tubes. If you buy 10 or more tubes of any one type or assorted types (and up to a total of 49),

use the prices in the second net price column (10 to 49). For 50 tubes and over, use the third price column (50 or More). Take advantage of these quantity prices!

Tube Type	List Price	NET EACH In Quantities of:		
		1 to 9	10 to 49	50 or More
6DS5	\$3.20	1.60	1.44	1.28
6DT5	3.25	1.63	1.46	1.30
6DT6A	2.15	1.08	.97	.86
6DT8	3.80	1.90	1.71	1.52
6DW4 Novar	3.70	1.85	1.67	1.48
6DW5	4.05	2.03	1.82	1.62
6DX8	3.10	1.55	1.40	1.24
6DZ7	5.45	2.73	2.45	2.18
6E5	4.45	2.23	2.00	1.78
6EA5	2.80	1.40	1.26	1.12
6EA7	3.45	1.73	1.55	1.38
6EA8	2.70	1.35	1.21	1.08
6EB8	3.70	1.85	1.67	1.48
6EH5	2.90	1.45	1.31	1.16
6EH7	3.80	1.90	1.71	1.52
6EH8	3.15	1.58	1.42	1.26
6EJ7	3.80	1.90	1.71	1.52
6EM5	3.40	1.70	1.53	1.36
6EM7	5.10	2.55	2.30	2.04
6EQ7	2.90	1.45	1.31	1.16
6ER5	3.50	1.75	1.58	1.40
6ES5	3.05	1.53	1.37	1.22
6ES8	5.80	2.90	2.61	2.32
6EU7	2.60	1.30	1.17	1.04
6EU8	3.30	1.65	1.49	1.32
6EV5	3.00	1.50	1.35	1.20
6EV7	2.50	1.25	1.13	1.00
6EW6	2.30	1.15	1.04	.92
6EW7 Novar	3.90	1.95	1.76	1.56
6EX6	7.25	3.63	3.27	2.90
6EY6	3.15	1.58	1.42	1.26
6EZ5	3.40	1.70	1.53	1.36
6EZ8	3.80	1.90	1.71	1.52
6F5	4.60	2.30	2.07	1.84
6F6	5.85	2.93	2.63	2.34
6FG	5.85	2.93	2.63	2.34
6FG6T	11.70	5.85	5.27	4.68
6F7	8.95	4.48	4.03	3.58
6F8G	2.50	1.25	1.13	1.00
6FA7	5.05	2.53	2.27	2.02
6FD7	2.75	1.38	1.24	1.10
6FG6	2.55	1.28	1.15	1.02
6FG7	3.30	1.65	1.49	1.32
6FH5	3.00	1.50	1.35	1.20
6FH8	4.05	2.03	1.82	1.62
6FM8	2.30	1.15	1.04	.92
6FQ5A	3.05	1.53	1.37	1.22
6FG7	3.55	1.78	1.60	1.42
6FV6	3.15	1.58	1.42	1.26
6FV8	4.10	2.05	1.85	1.64
6FW5	7.20	3.60	3.24	2.88
6G6G	3.20	1.60	1.44	1.28
6GC5	3.15	1.58	1.42	1.26
6GH8	4.55	2.28	2.05	1.82
6GJ5 Novar	4.05	2.03	1.82	1.62
6GK5	2.75	1.38	1.24	1.10
6GK6	2.40	1.20	1.08	.96
6GM6	3.70	1.85	1.67	1.48
6GN8	4.20	2.10	1.89	1.68
6GT5 Novar	4.15	2.08	1.87	1.66
6GW6	2.30	1.15	1.04	.92
6GX6	2.30	1.15	1.04	.92
6GY6	3.80	1.90	1.71	1.52
6GY8	4.00	2.00	1.80	1.60
6H6	3.10	1.55	1.40	1.24
6HB6	3.70	1.85	1.67	1.48
6HF8	3.30	1.65	1.49	1.32
6HJ8	2.50	1.25	1.13	1.00
6HS6	2.80	1.40	1.26	1.12
6HS8	3.65	1.83	1.64	1.46
6J5	3.65	1.83	1.64	1.46
6J5GT	2.80	1.40	1.26	1.12
6J6A	4.95	2.48	2.23	1.98
6J7				

Tube Type	List Price	NET EACH In Quantities of:		
		1 to 9	10 to 49	50 or More
6JC8	\$2.90	1.45	1.31	1.16
6JH8	4.35	2.18	1.96	1.74
6JU8	2.95	1.48	1.33	1.18
6K6GT	2.65	1.33	1.19	1.06
6K7	4.95	2.48	2.23	1.98
6K7GT	4.95	2.48	2.23	1.98
6K8	7.50	3.75	3.38	3.00
6K11	3.50	1.75	1.58	1.40
6KA8	3.80	1.90	1.71	1.52
6L6	8.60	4.30	3.87	3.44
6L6GC	4.20	2.10	1.89	1.68
6L7	7.35	3.68	3.31	2.94
6N5			Use 6AB5/6N5	
6N7	5.00	2.50	2.25	2.00
6N7GT	5.00	2.50	2.25	2.00
6Q7	5.30	2.65	2.39	2.12
6Q7GT	5.65	2.83	2.54	2.26
6R7	5.45	2.73	2.45	2.18
6S4A	2.05	1.03	.92	.82
6S7	7.20	3.60	3.24	2.88
6S8GT	4.40	2.20	1.98	1.76
6SA7	4.30	2.15	1.94	1.72
6SA7GT	4.30	2.15	1.94	1.72
6SB7Y	6.30	3.15	2.84	2.52
6SC7	4.20	2.10	1.89	1.68
6SF5	3.70	1.85	1.67	1.48
6SF5GT	3.20	1.60	1.44	1.28
6SF7	6.25	3.13	2.81	2.50
6SG7	4.60	2.30	2.07	1.84
6SH7	4.45	2.23	2.00	1.78
6SJ7	4.15	2.08	1.87	1.66
6SJ7GT	4.15	2.08	1.87	1.66
6SK7	3.95	1.98	1.78	1.58
6SK7GT	3.95	1.98	1.78	1.58
6SL7GT	3.50	1.75	1.58	1.40
6SN7GTB	2.60	1.30	1.17	1.04
6SQ7	3.75	1.88	1.69	1.50
6SQ7GT	3.80	1.90	1.71	1.52
6SR7	3.90	1.95	1.76	1.56
6SS7	5.50	2.75	2.48	2.20
6T4	5.45	2.73	2.45	2.18
6T8A	3.40	1.70	1.53	1.36
6U5	5.55	2.78	2.50	2.22
6U8A	3.30	1.65	1.49	1.32
6V3A	4.55	2.28	2.05	1.82
6V6	6.75	3.38	3.04	2.70
6V6GTA	2.15	1.08	.97	.86
6W4GT	2.40	1.20	1.08	.96
6W6GT	2.85	1.43	1.28	1.14
6X4	1.65	.83	.74	.66
6X5GT	2.10	1.05	.95	.84
6X8	3.15	1.58	1.42	1.26
6Y6G	4.30	2.15	1.94	1.72
6Y6GA	4.30	2.15	1.94	1.72
6Z4			Use 84/6Z4	
7A4	7.50	3.75	3.38	3.00
7A5	6.00	3.00	2.70	2.40
7A6	7.40	3.70	3.33	2.96
7A7	7.55	3.78	3.40	3.02
7A8	8.25	4.13	3.72	3.30
7AF7	6.00	3.00	2.70	2.40
7AG7	8.40	4.20	3.78	3.36
7AH7	6.40	3.20	2.88	2.56
7AU7	2.60	1.30	1.17	1.04
7B4	7.20	3.60	3.24	2.88
7B5	8.85	4.43	3.99	3.54
7B6	5.60	2.80	2.52	2.24
7B7	8.10	4.05	3.65	3.24
7B8	5.95	2.98	2.68	2.38
7C5	3.50	1.75	1.58	1.40
7C6	7.75	3.88	3.49	3.10
7C7	3.60	1.80	1.62	1.44
7E7	6.70	3.35	3.02	2.68

RECEIVING TUBES CONTINUED ON NEXT PAGE

RCA Receiving Tubes (Cont'd)

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Tube Type	List Price	NET EACH In Quantities of:			Tube Type	List Price	NET EACH In Quantities of:		
		1 to 9	10 to 49	50 or More			1 to 9	10 to 49	50 or More
7EY6	\$3.15	1.58	1.42	1.26	12BY7A	\$3.05	1.53	1.37	1.22
7F7	7.95	3.98	3.58	3.18	12BZ6	3.10	1.55	1.40	1.24
7F8	8.75	4.38	3.94	3.50	12BZ7	4.40	2.20	1.98	1.76
7G7	6.40	3.20	2.88	2.56	12C5		Use 12CU5/12C5		
7H7	6.40	3.20	2.88	2.56	12C8	9.70	4.85	4.37	3.88
7J7	7.25	3.63	3.27	2.90	12CA5	2.50	1.25	1.13	1.00
7K7	8.60	4.30	3.87	3.44	12CN5	3.45	1.73	1.55	1.38
7N7	7.55	3.78	3.40	3.02	12CR6	2.40	1.20	1.08	.96
7Q7	6.20	3.10	2.79	2.48	12CT8	4.25	2.13	1.91	1.70
7R7	6.05	3.03	2.72	2.42	12CU5/12C5	2.35	1.18	1.06	.94
7V7	4.90	2.45	2.21	1.96	12CU6		Use 12BQ6GTB/12CU6		
7W7	7.00	3.50	3.15	2.80	12CX6	2.90	1.45	1.31	1.16
7X7	8.10	4.05	3.65	3.24	12D4	2.75	1.38	1.24	1.10
7Y4	7.15	3.58	3.22	2.86	12DB5	2.75	1.38	1.24	1.10
7Z4	6.90	3.45	3.11	2.76	12DE8	3.30	1.65	1.49	1.32
8AU8	4.05	2.03	1.82	1.62	12DK6	2.40	1.20	1.08	.96
8AW8A	3.70	1.85	1.67	1.48	12DK7	2.95	1.48	1.33	1.18
8BA8A	3.65	1.83	1.64	1.46	12DL8	5.80	2.90	2.61	2.32
8BH8	3.55	1.78	1.60	1.42	12DQ6B	4.20	2.10	1.89	1.68
8BN8	3.25	1.63	1.46	1.30	12DQ7	3.45	1.73	1.55	1.38
8BQ5	2.40	1.20	1.08	.96	12DS7	3.40	1.70	1.53	1.36
8CG7	2.50	1.25	1.13	1.00	12DT5	3.05	1.53	1.37	1.22
8CM7	2.90	1.45	1.31	1.16	12DT8	3.80	1.90	1.71	1.52
8CN7	2.80	1.40	1.26	1.12	12DU7	4.05	2.03	1.82	1.62
8CS7*	2.95	1.48	1.33	1.18	12DV8	3.55	1.78	1.60	1.42
8CX8	3.85	1.93	1.73	1.54	12DW7	3.25	1.63	1.46	1.30
8EB8	3.75	1.88	1.69	1.50	12DW8*	3.55	1.78	1.60	1.42
8EM5	3.45	1.73	1.55	1.38	12DY8	4.60	2.30	2.07	1.84
8ET7	4.40	2.20	1.98	1.76	12DZ6	2.55	1.28	1.15	1.02
8FQ7	2.35	1.18	1.06	.94	12EA6	2.65	1.33	1.19	1.06
8GN8	3.75	1.88	1.69	1.50	12EC8	3.60	1.80	1.62	1.44
8KA8	3.85	1.93	1.73	1.54	12ED5	2.85	1.43	1.28	1.14
9AU7	2.80	1.40	1.26	1.12	12EG6	2.55	1.28	1.15	1.02
9BR7	3.35	1.68	1.51	1.34	12EH5	2.90	1.45	1.31	1.16
9CL8	3.15	1.58	1.42	1.26	12EK6	2.55	1.28	1.15	1.02
9U8A	3.55	1.78	1.60	1.42	12EL6	2.00	1.00	.90	.80
10C8	4.25	2.13	1.91	1.70	12EN6	3.05	1.53	1.37	1.22
10DE7	3.40	1.70	1.53	1.36	12EQ7	2.90	1.45	1.31	1.16
10DR7	2.95	1.48	1.33	1.18	12F8	2.75	1.38	1.24	1.10
10EG7	4.60	2.30	2.07	1.84	12FK6	2.10	1.05	.95	.84
10EM7	3.70	1.85	1.67	1.48	12FM6	2.00	1.00	.90	.80
10HF8	3.75	1.88	1.69	1.50	12FQ8	2.95	1.48	1.33	1.18
11CY7	3.25	1.63	1.46	1.30	12FR8	4.35	2.18	1.96	1.74
12A8GT	8.85	4.43	3.99	3.54	12FV7	3.65	1.83	1.64	1.46
12AB5	2.45	1.23	1.10	.98	12FX8	3.80	1.90	1.71	1.52
12AC6	2.20	1.10	.99	.88	12GA6	2.30	1.15	1.04	.92
12AD6	2.40	1.20	1.08	.96	12GC6	4.20	2.10	1.89	1.68
12AE6A	2.05	1.03	.92	.82	12GJ5 Novar	4.60	2.30	2.07	1.84
12AE7	3.75	1.88	1.69	1.50	12GT5 Novar	4.25	2.13	1.91	1.70
12AF3	2.90	1.45	1.31	1.16	12H6	3.95	1.98	1.78	1.58
12AF6	2.35	1.18	1.06	.94	12J5GT	4.35	2.18	1.96	1.74
12AH7GT	5.55	2.78	2.50	2.22	12J7GT	7.40	3.70	3.33	2.96
12AJ6	2.55	1.28	1.15	1.02	12J8	4.60	2.30	2.07	1.84
12AL5	1.90	.95	.86	.76	12K5	2.95	1.48	1.33	1.18
12AL8	6.55	3.28	2.95	2.62	12K7GT	7.00	3.50	3.15	2.80
12AQ5	2.60	1.30	1.17	1.04	12K8	8.70	4.35	3.92	3.48
12AT6	1.85	.93	.83	.74	12L6GT	2.50	1.25	1.13	1.00
12AT7	3.05	1.53	1.37	1.22	12Q7GT	5.80	2.90	2.61	2.32
12AU6	2.15	1.08	.97	.86	12R5	3.10	1.55	1.40	1.24
12AU7A	2.45	1.23	1.10	.98	12SA7	4.30	2.15	1.94	1.72
12AV5GA	3.85	1.93	1.73	1.54	12SA7GT	4.30	2.15	1.94	1.72
12AV6	1.65	.83	.74	.66	12SC7	5.50	2.75	2.48	2.20
12AV7	3.55	1.78	1.60	1.42	12SF5	4.10	2.05	1.85	1.64
12AW6	3.30	1.65	1.49	1.32	12SF7	6.60	3.30	2.97	2.64
12AX4GTB	2.70	1.35	1.21	1.08	12SG7	4.65	2.33	2.09	1.86
12AX7	2.55	1.28	1.15	1.02	12SH7	5.75	2.88	2.59	2.30
12AX7A	2.55	1.28	1.15	1.02	12SJ7	4.20	2.10	1.89	1.68
12AY3 Novar	2.80	1.40	1.26	1.12	12SK7	3.95	1.98	1.78	1.58
12AY7	5.00	2.50	2.25	2.00	12SK7GT	3.95	1.98	1.78	1.58
12AZ7A	3.05	1.53	1.37	1.22	12SL7GT	3.75	1.88	1.69	1.50
12B4A	2.70	1.35	1.21	1.08	12SN7GTA	2.70	1.35	1.21	1.08
12BA6	1.65	.83	.74	.66	12SQ7	3.75	1.88	1.69	1.50
12BA7	5.95	2.98	2.68	2.38	12SQ7GT	3.75	1.88	1.69	1.50
12BD6	2.45	1.23	1.10	.98	12SR7	5.45	2.73	2.45	2.18
12BE6	1.75	.88	.79	.70	12U7	2.65	1.33	1.19	1.06
12BF6	2.20	1.10	.99	.88	12V6GT	2.15	1.08	.97	.86
12BH7A	3.05	1.53	1.37	1.22	12W6GT	3.00	1.50	1.35	1.20
12BK5	4.00	2.00	1.80	1.60	12X4	1.90	.95	.86	.76
12BL6	2.30	1.15	1.04	.92	13DE7	3.40	1.70	1.53	1.36
12BQ6GTB/12CU6	4.45	2.23	2.00	1.78	13DR7	3.40	1.70	1.53	1.36
12BR7	3.20	1.60	1.44	1.28	13EM7	4.75	2.38	2.14	1.90
12BV7	3.20	1.60	1.44	1.28	13FD7	5.35	2.68	2.41	2.14
12BW4	2.90	1.45	1.31	1.16	14A7	5.90	2.95	2.66	2.36

RCA Receiving Tubes — Argos Tube Caddies

RCA RECEIVING TUBES (Cont'd)

Tube Type	List Price	NET EACH In Quantities of			Tube Type	List Price	NET EACH In Quantities of		
		1 to 9	10 to 49	50 or More			1 to 9	10 to 49	50 or More
14AF7	\$6.05	3.03	2.72	2.42	34GD5	\$2.10	1.05	.95	.84
14B6	5.60	2.80	2.52	2.24	34GD5A	2.10	1.05	.95	.84
14C7	6.00	3.00	2.70	2.40	35A5	6.00	3.00	2.70	2.40
14F7	8.15	4.08	3.67	3.26	35B5	3.40	1.70	1.53	1.36
14F8	6.70	3.35	3.02	2.68	35C5	2.15	1.08	.97	.86
14GT8	3.00	1.50	1.35	1.20	35DZ8	3.45	1.73	1.55	1.38
14Q7	6.20	3.10	2.79	2.48	35EH5	2.30	1.15	1.04	.92
14R7	7.20	3.60	3.24	2.88	35GL6	2.30	1.15	1.04	.92
15EW6*	2.35	1.18	1.06	.94	35LG6T	2.40	1.20	1.08	.96
15HB6	3.30	1.65	1.49	1.32	35W4	1.05	.53	.47	.42
17AX4GT	2.70	1.35	1.21	1.08	35Y4	4.80	2.40	2.16	1.92
17AY3 Novar	2.80	1.40	1.26	1.12	35Z3	5.00	2.50	2.25	2.00
17BH3 Novar	3.05	1.53	1.37	1.22	35Z4GT	2.70	1.35	1.21	1.08
17BQ6GTB	5.55	2.78	2.50	2.22	35Z5GT	1.85	.93	.83	.74
17C9	7.60	3.80	3.42	3.04	36AM3B	1.50	.75	.68	.60
17D4	2.75	1.38	1.24	1.10	41	5.80	2.90	2.61	2.32
17DE4	2.85	1.43	1.28	1.14	42	5.15	2.58	2.32	2.06
17DM4	2.85	1.43	1.28	1.14	43	7.60	3.80	3.42	3.04
17DQ6B	4.20	2.10	1.89	1.68	47	9.15	4.58	4.12	3.66
17GJ5 Novar	4.60	2.30	2.07	1.84	50A5	6.25	3.13	2.81	2.50
17GT5 Novar	4.25	2.13	1.91	1.70	50B5	2.95	1.48	1.33	1.18
17GW6	4.25	2.13	1.91	1.70	50C5	2.15	1.08	.97	.86
17H3	2.50	1.25	1.13	1.00	50DC4	1.55	.78	.70	.62
18A5	4.15	2.08	1.87	1.66	50EH5	2.30	1.15	1.04	.92
18FW6	2.00	1.00	.90	.80	50FE5	3.65	1.83	1.64	1.46
18FX6	2.15	1.08	.97	.86	50FK5	2.30	1.15	1.04	.92
18FY6	1.65	.83	.74	.66	50L6GT	2.55	1.28	1.15	1.02
18GD6A	2.15	1.08	.97	.86	50X6	6.20	3.10	2.79	2.48
19AU4	3.50	1.75	1.58	1.40	50Y6GT	4.60	2.30	2.07	1.84
19AU4GTA	3.45	1.73	1.55	1.38	50Y7GT	4.50	2.25	2.03	1.80
19BG6GA	6.50	3.25	2.93	2.60	60FX5	2.50	1.25	1.13	1.00
19CL8A	3.15	1.58	1.42	1.26	70L7GT	10.15	5.08	4.57	4.06
19EA8	3.25	1.63	1.46	1.30	75	6.80	3.40	3.06	2.72
19HS6	2.55	1.28	1.15	1.02	78	7.20	3.60	3.24	2.88
19J6	3.95	1.98	1.78	1.58	80	4.20	2.10	1.89	1.68
19T8	3.40	1.70	1.53	1.36	84/6Z4	3.65	1.83	1.64	1.46
19X8	4.35	2.18	1.96	1.74	117L7/117M7GT	10.15	5.08	4.57	4.06
20E27	3.65	1.83	1.64	1.46	117M7GT			Use 117L7/117M7GT	
22BH3 Novar	3.05	1.53	1.37	1.22	117N7GT	13.60	6.80	6.12	5.44
22DE4	3.10	1.55	1.40	1.24	117P7GT	13.60	6.80	6.12	5.44
24A	6.60	3.30	2.97	2.64	117Z3	4.35	2.18	1.96	1.74
25AV5GA	4.25	2.13	1.91	1.70	117Z6GT	7.10	3.55	3.20	2.84
25AX4GT	2.90	1.45	1.31	1.16	5642*	7.90	3.95	3.56	3.16
25BK5	3.65	1.83	1.64	1.46	5879	3.75	1.88	1.69	1.50
25BQ6GTB/25CU6	4.65	2.33	2.09	1.86	5881	6.40	3.20	2.88	2.56
25C5	2.15	1.08	.97	.86	6973	4.50	2.25	2.03	1.80
25CA5	2.60	1.30	1.17	1.04	7025	2.95	1.48	1.33	1.18
25CD6GB	5.85	2.93	2.63	2.34	7027A	6.60	3.30	2.97	2.64
25CU6			Use 25BQ6GTB/25CU6		7167*	3.85	1.93	1.73	1.54
25DN6	5.55	2.78	2.50	2.22	7189	2.65	1.33	1.19	1.06
25EC6	5.70	2.85	2.57	2.28	7199	3.70	1.85	1.67	1.48
25EH5	2.30	1.15	1.04	.92	7247	2.85	1.43	1.28	1.14
25L6	8.85	4.43	3.99	3.54	7355*	2.70	1.35	1.21	1.08
25L6GT	2.35	1.18	1.06	.94	7403	2.15	1.08	.97	.86
25W4GT	2.70	1.35	1.21	1.08	7508	3.10	1.55	1.40	1.24
25Z5	4.60	2.30	2.07	1.84	7591	2.95	1.48	1.33	1.18
25Z6GT	2.90	1.45	1.31	1.16	7695	4.40	2.20	1.98	1.76
27	5.40	2.70	2.43	2.16	7868 Novar	3.30	1.65	1.49	1.32
32ET5	2.20	1.10	.99	.88					

RCA RECEIVING TUBE MANUAL

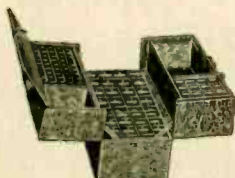
RC-20. Latest edition is always sent. One of the most helpful, informative books published for radio-TV servicemen. Lists characteristics and typical operating conditions of all current RCA receiving-type tubes; covers applications and installation of tubes.

Also features schematic diagrams, graphs and curves, plus explanations of commonly encountered circuits. No charge when you purchase either 15 receiving tubes or one TV picture tube. 37 K 575. Postpaid in U.S.A. 1.00

ARGOS SERVICEMEN'S TUBE CADDIES

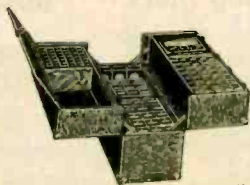
JUNIOR TUBE CADDY

Type TC-201. Easy-to-carry, smaller version of "Carry-All" caddy at right. Only two-thirds the size and weight of ordinary caddies. Perfect for quick servicing trips; can be used as companion piece to either of the Argos caddies described at right. Holds up to 143 tubes with room for meters, tools, etc. Also features a "break-open" section that has cover and snap lock for keeping small parts in order. Brown vinyl covering is long-wearing and abrasion-resistant. Has single clasp lock atop case; full-grip plastic carrying handle. Overall size: 12 1/4" high, 15 3/4" wide, only 8" deep. Shpg. wt., 10 lbs. 87 NX 591. List, \$16.60. NET 9.55



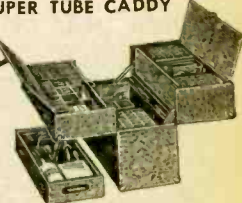
"CARRY-ALL" CADDY

Type TC-4. Here's a low-priced caddy that is easily the most popular caddies sold. High-quality construction — carries up to 262 tubes with room for soldering gun, meter, probes and assorted small parts. Literally a complete radio-TV service shop in a single caddy! Features popular "break-away" design opening outward from center to permit quickest access to all sections. Partitions aid in orderly arrangement of parts; one side has snap-down cover for keeping parts separated. Has two clasp locks; plastic carrying handle. Sulf-proof brown vinyl covering. Overall size: 15 1/2" high, 21" wide, 8" deep. Shpg. wt., 12 lbs. 86 NX 129. List, \$26.50. NET 15.32



SUPER TUBE CADDY

Type TC-5. The largest tube caddy made by this renowned cabinet manufacturer! A ruggedly built, double-door caddy that provides quick accessibility to tubes, tools, meters and parts. Carries up to 325 tubes with plenty of space for any assortment of small parts. Entire caddy features over 3300 cu. in. volume — for the serviceman who believes in carrying a full load to save extra trips! Has removable 2 3/4" deep tray featuring "egg crate" design for safely carrying fuses, bulbs, etc.; cut-outs for easy removal. Brown vinyl. 16 1/2" high, 24" wide, 8 1/4" deep. Wt., 19 lbs. 86 NX 153. List, \$36.00. NET 21.08



Make Allied Your One-Stop Source for All of Your Tube Requirements

ALLIED 309

RCA Silverama Picture Tubes

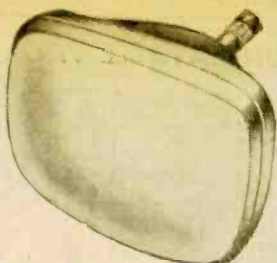
USE ALLIED'S CREDIT FUND PLAN NO MONEY DOWN!

Get the picture tube you need right now—Use Allied's Credit Fund Plan, the most liberal plan in electronics.

no money down! See back section of Catalog for full details.

ALL TUBES GUARANTEED FOR ONE FULL YEAR

Premium-Quality Picture Tubes at Low Cost
For razor-sharp viewing, choose your replacement tube from RCA's renowned "Silverama" premium-quality line. Dependable "Silverama" picture tubes feature aluminized screens, except types with *(asterisk). Where substitutes are indicated (for original types no longer being manufactured), substitution is directly interchangeable. When ordering give Dept. and Tube Type No.



Dept.	Tube Type	Wt., Lbs.	NET EACH
AU3	8DP4*	4	25.67
AU3	10FP4*	13	29.10
AU3	10FP4A	13	31.06
AU3	12KP4A	17	30.70
AU3	12LP4A*	17	30.70
AU3	14ATP4	12	25.14
AU3	14BP4		Use 14EP4
AU3	14CP4*		Use 14EP4
AU3	14EP4*	14	28.74
AU3	14HP4*	14	27.77
AU3	14NP4		Use 14WP4
AU3	14NP4A		Use 14WP4
AU3	14QP4A	10	30.06
AU3	14RP4A		Use 14WP4
AU3	14SP4		Use 14WP4
AU3	14WP4	12	30.06
AU3	14ZP4		Use 14WP4
AU3	16AP4A*	17	28.29
AU3	16DP4A*	23	29.40
AU3	16GP4B*	16	27.77
AU3	16KP4		Use 16RP4A
AU3	16KP4A		Use 16RP4A
AU3	16LPA4*	25	32.66
AU3	16RPA4	21	30.06
AU3	16TP4*	21	30.06
AU3	16WPA4*	21	32.66
AU3	16ZP4		Use 16LPA4
AU3	17AP4		Use 17BP4B
AU3	17ATP4		Use 17BP4
AU3	17ATP4A		Use 17BP4
AU3	17AVP4A		Use 17BP4
AU3	17BP4	17	26.17
AU3	17BP4B	21	25.48
AU3	17BP4C		Use 17BP4B
AU3	17BRP4		Use 17DSP4
AU3	17BU4		Use 17BP4
AU3	17BVP4		Use 17CSP4
AU3	17BP4A		Use 17CSP4
AU3	17BZP4	14	29.13
AU3	17CA4		Use 17DSP4
AU3	17CBP4		Use 17BP4
AU3	17CDP4	14	26.17
AU3	17CFP4	17	26.17
AU3	17CKP4		Use 17DSP4
AU3	17CLP4		Use 17BP4
AU3	17CP4*	16	27.44
AU3	17CSP4	13	29.79
AU3	17CW4	17	34.15
AU3	17CVP4		Use 17DSP4
AU3	17DA4	13	35.47
AU3	17DKP4	14	29.79
AU3	17DL4		Use 17DSP4
AU3	17DQ4	13	29.13
AU3	17DSP4	13	29.13
AU3	17DT4		Use 17DKP4
AU3	17DXP4	14	29.13
AU3	17GP4*	16	30.06
AU3	17HP4A		Use 17HP4B
AU3	17HP4B	23	25.48
AU3	17IP4		Use 17BP4B
AU3	17LP4A	23	24.52
AU3	17LP4A	23	25.17
AU3	17RP4*		Use 17HP4B

Dept.	Tube Type	Wt., Lbs.	NET EACH
AU3	17RP4C		Use 17HP4B
AU3	17TP4*	16	31.75
AU3	17UP4		Use 17OP4A
AU3	17VP4		Use 17LP4A
AU3	17VP4B		Use 17LP4A
AU3	17VP4		Use 17OP4A
AU3	19AFP4*	24	39.20
AU3	19AP4B*	24	32.02
AU3	19AVP4	19	32.90
AU3	19AXP4		Use 19AVP4
AU3	19AP4	20	32.90
AU3	19LP4	24	32.90
AU3	20CP4		Use 20DP4C
AU3	20CP4A		Use 20DP4C
AU3	20CP4B		Use 20DP4C
AU3	20CP4C		Use 20DP4C
AU3	20CP4D		Use 20DP4C
AU3	20DP4		Use 20DP4C
AU3	20DP4A		Use 20DP4C
AU3	20DP4B		Use 20DP4C
AU3	20DP4C	29	33.32
AU3	20HP4B		Use 20HP4D
AU3	20HP4B		Use 20HP4D
AU3	20HP4C		Use 20HP4D
AU3	20HP4D	29	33.32
AU3	20LP4		Use 20HP4D
AU3	20MP4		Use 20HP4D
AU3	21ACP4		Use 21AMP4A
AU3	21ACP4A		Use 21AMP4A
AU3	21AFP4		Use 21VP4A
AU3	21ALP4		Use 21CBP4A
AU3	21ALP4A		Use 21CBP4A
AU3	21AP4B		Use 21CBP4A
AU3	21AMP4		Use 21AMP4A
AU3	21AMP4A	27	29.98
AU3	21ANP4		Use 21CBP4A
AU3	21ANP4A		Use 21CBP4A
AU3	21AP4*	25	33.98
AU3	21AQ4		Use 21AMP4A
AU3	21AQ4A		Use 21AMP4A
AU3	21ATP4		Use 21CBP4A
AU3	21ATP4A		Use 21CBP4A
AU3	21ATP4B		Use 21CBP4A
AU3	21AUP4		Use 21AVP4B
AU3	21AUP4A		Use 21AVP4B
AU3	21AUP4B		Use 21AVP4B
AU3	21AVP4		Use 21AVP4B
AU3	21AVP4B	33	29.98
AU3	21AWP4	33	29.98
AU3	21BAP4		Use 21CBP4A
AU3	21BNP4		Use 21CBP4A
AU3	21BSP4		Use 21AMP4A
AU3	21BTP4		Use 21CBP4A
AU3	21CBP4		Use 21CBP4A
AU3	21CBP4A	33	29.98
AU3	21CBP4B		Use 21CBP4A
AU3	21CEP4		Use 21DFP4
AU3	21CEP4A		Use 21DFP4
AU3	21CMP4		Use 21CBP4A
AU3	21CQP4	20	32.42
AU3	21CUP4		Use 21AMP4A
AU3	21CVP4		Use 21CBP4A
AU3	21CW4		Use 21BP4A
AU3	21CX4		Use 21DSP4

Dept.	Tube Type	Wt., Lbs.	NET EACH
AU3	21CZP4		Use 21DEP4A
AU3	21DAP4		Use 21DEP4A
AU3	21DEP4		Use 21DEP4A
AU3	21EP4A	26	32.42
AU3	21DFP4	33	32.42
AU3	21DLP4	30	29.98
AU3	21DMP4		Use 21FAP4
AU3	21DNP4		Use 21CBP4A
AU3	21DOP4		Use 21DLP4
AU3	21DSP4	34	29.98
AU3	21EP4		Use 21EP4B
AU3	21EAP4		Use 21FP4
AU3	21EMP4		Use 21EOP4
AU3	21EP4B	34	30.90
AU3	21EOP4	29	32.42
AU3	21ESP4		Use 21FAP4
AU3	21FAP4	26	32.42
AU3	21FDP4	26	32.42
AU3	21FLP4		Use 21CBP4A
AU3	21FP4		Use 21FP4C
AU3	21FP4A		Use 21FP4C
AU3	21FP4C	34	30.90
AU3	21MP4*	25	35.94
AU3	21VP4A	31	32.42
AU3	21XP4A	33	32.42
AU3	21VP4A	33	29.33
AU3	21ZP4		Use 21Z4B
AU3	21ZP4B	33	29.98
AU3	23AHP4	36	40.28
AU3	23ANP4		Use 23BKP4
AU3	23AWP4		Use 23BLP4
AU3	23BJP4	35	40.28
AU3	23BKP4	45	47.04
AU3	23BLP4	45	48.34
AU3	23CP4	41	47.04
AU3	23EP4	41	47.04
AU3	23GP4		Use 23CP4
AU3	23HP4		Use 23CP4
AU3	23MP4	41	40.28
AU3	23XP4		Use 23VP4
AU3	23VP4	45	47.04
AU3	24ADP4		Use 24CP4A
AU3	24AEP4	43	43.16
AU3	24AHP4	37	47.28
AU3	24ALP4		Use 24AHP4
AU3	24ANP4		Use 24AEP4
AU3	24ATP4	39	56.09
AU3	24AUP4	39	43.16
AU3	24BAP4	34	60.35
AU3	24CP4		Use 24CP4A
AU3	24CP4A	39	43.16
AU3	24DP4		Use 24AEP4
AU3	24DPA4		Use 24AEP4
AU3	24QP4		Use 24CP4A
AU3	24TP4		Use 24CP4A
AU3	24VP4		Use 24CP4A
AU3	24VPA4		Use 24CP4A
AU3	24XP4		Use 24EP4
AU3	24YP4		Use 24AEP4
AU3	27EP4		Use 27RP4
AU3	27MP4	42	78.40
AU3	27RP4	62	74.47

RCA (FULL COLOR) PICTURE TUBES

- Deliver Vivid Color Images, Plus Sharper Black-and-White Images for Optimum Televiewing Enjoyment
- Employ New Color Phosphors for Brighter Pictures

RCA's "Colorama" color picture tubes offer a host of outstanding features—more efficient phosphors for greater color brilliance and sharper pictures; improved cathode assemblies for longer operating life; glare-proof screens that practically eliminate annoying room light reflections; greater picture contrast on both color and black-and-white; etc. When ordering, specify Dept. No. and Tube Type No.

Dept.	Tube Type	Wt., Lbs.	NET EACH
AU3	21AXP22		Use 21AXP22A
AU3	21AXP22A	38	106.46
AU3	21CYP22		Use 21CYP22A
AU3	21CYP22A	45	104.94
AU3	21FBP22	45	111.47
AU3	21FP22	54	122.58

DUMONT (ABD) 8" TV RECEIVER CHECK TUBE



Fits Most Sets

Improved version of this extremely versatile 8" rectangular universal picture tube—a great aid in television servicing. Now fully aluminized for greater brightness and clarity. Permits testing television set without using the original picture tube. Provides a positive on-the-spot substitution test for picture tubes and eliminates the necessity for taking the original picture tube back to shop for servicing. Completely self-focusing. Can be used in virtually all electromagnetically deflected sets regardless of deflection angle. For 53° or magnetic-focus sets. Shpg. wt., 6 lbs.

Model 8YP4/JP4. Receiver Check Tube. Same as above but also for 110° magnetic deflection. 90° and other type tubes. Includes deflection mask and two adapters. Shpg. wt., 6 lbs.

21.90

28.23

TV Picture Tubes—Special Design, and Audio Tubes



UNBEATABLE VALUES IN REBUILT TV PICTURE TUBES

Lowest-Priced Factory Rebuilds for Top Savings

As Low
As
\$12.63

1-Year
Guarantee

Remarkable savings can be yours on these rebuilt TV picture tubes. All are completely new, except for glass envelope, and have been factory rebuilt by experts to provide bright, clear pictures. Each tube is thoroughly tested to conform to original specifications; All are guaranteed for one full year.

Take advantage of these unusually low prices and order now—enjoy the benefit of sharper pictures with more contrast, at rock-bottom cost. All have aluminumized screens, except tube types indicated by * (asterisk). When ordering, be sure to specify Department Number and Tube Type Number.

Stock No.			Stock No.			Stock No.					
Dept.	Tube Type	WT Lbs.	NET EACH	Dept.	Tube Type	WT Lbs.	NET EACH	Dept.	Tube Type	WT Lbs.	NET EACH
A06	12LP4A*	17	12.63	A06	17LP4/VP4*	23	16.58	A06	21EP4A*	25	19.87
A06	14BP4/CP4/EP4*	14	12.63	A06	17LP4A/VP4*	23	18.28	A06	21EP4B	24	21.86
A06	14QP4/HP4*	10	14.02	A06	17QP4/UP4/YP4*	23	15.34	A06	21FDPA/EAP4	20	23.36
A06	14RP4/WP4/NP4	12	17.31	A06	17QP4A/UP3A/YP4A	23	16.95	A06	21FLPA/CBP4	27	23.98
A06	16AP4A*	17	18.35	A06	19AJP4	20	24.60	A06	21FP4A*	32	20.98
A06	16CP4B*	16	19.37	A06	19AP4B*	24	22.73	A06	21FP4C	34	22.81
A06	16KP4/RP4/TP4*	21	14.46	A06	19BDP4	20	24.59	A06	21WP4A	31	20.56
A06	16RP4A/KP4	21	16.31	A06	19XP4	20	24.59	A06	21XP4A	31	21.69
A06	17BPA*	17	19.75	A06	20CP4A/DP4A*	29	17.08	A06	21YP4*	33	22.29
A06	17BP4A/JP4*	21	14.83	A06	20CP4D/DP4C	29	19.14	A06	21YP4A	33	23.98
A06	17BP4B/JP4B	21	16.81	A06	20HP4A/LP4/FP4/MP4*	29	18.04	A06	21ZP4A*	33	20.89
A06	17WP4A	14	22.90	A06	21AMP4A/ACP4A/AQP4A/BSP4	27	22.71	A06	21ZP4B	33	23.10
A06	17BP4/BRP4/CWP4/CRP4/CKP4/ICP4*	16	21.82	A06	21AP4*	25	27.50	A06	23ANP4 (Bonded Face)	44	42.60
A06	17DKP4/DTP4/DLP4	13	22.90	A06	21AUP4A/AVP4B	33	24.34	A06	23CP4/GP4/HP4 (Bonded Face)	41	42.60
A06	17DDP4	13	22.90	A06	21CEP4	28	24.58	A06	24AEP4/DP4/YP4	43	35.58
A06	17DP4	23	16.07	A06	21CQP4	20	24.58	A06	24AMP4/ALP4	43	38.53
A06	17HP4/RP4*	23	17.90	A06	21CXPD/DP4	32	25.08	A06	24CP4/ADP4/OP4/TP4	41	34.18
A06	17HP4B/RP4A	23	17.90	A06	21DAP4/DEP4/CZP4	26	24.58	A06	27VP4/UP4/SP4/XP4	59	61.76

MULLARD MASTER 10M SERIES ELECTRON TUBES—INDIVIDUALLY TESTED

Special Design for Hi-Fi and Other Critical Applications

The Mullard Master 10M Series is a special range of carefully designed tubes, individually laboratory-tested to meet exacting standards. Each tube is guaranteed for 10,000 hours of effective performance within a two-year period from date of purchase. Multiple tests are conducted on each tube for contact potential; matched sections; cathode stability; hum; noise; transconductance; tube-to-tube uniformity; microphonics; distortion; etc. Long life and reliability for critical applications.

Master 10M Series tubes are highly recommended for the full range of electronic equipment in any commercial application, including hi-fi components, sound and public address systems, broadcast and antenna systems, instrumentation, computer and communications systems, etc. Use these tubes for best results with existing equipment, as well as when designing new equipment. Tube pins are gold protected; each tube cartoned and bedded in foam. Av. wt., 5 oz.



Be Sure to Specify Department E8—Mullard and Tube Type When Ordering

Stock No.			Stock No.			Stock No.		
Dept.	Tube Type	NET EACH	Dept.	Tube Type	NET EACH	Dept.	Tube Type	NET EACH
E8	6A B8	2.50	E8	6EU7	2.15	E8	PI84/15CW5	2.25
E8	6A J8	2.40	E8	6FV5	2.20	E8	ECC85/6AQ8	2.15
E8	6A K5	2.95	E8	6GK5	2.80	E8	EFC86/6HG8	2.80
E8	6A K8	2.55	E8	6HG8	2.80	E8	EF86/6267	2.25
E8	6A L5	1.75	E8	6J6	2.30	E8	PCF86/7HG8	2.40
E8	6A O8	1.95	E8	6J6A	2.30	E8	ECC88/6DJ8	2.80
E8	6A OSA	1.95	E8	6T8A	2.55	E8	EBF89/6DC8	2.40
E8	6A Q8	2.15	E8	7HG8	2.40	E8	EF89/6DA6	2.30
E8	6A T6	1.80	E8	9A8	2.95	E8	EC90/6C4	2.60
E8	6A U6	1.85	E8	12AT7	2.30	E8	EK90/6BE6	1.90
E8	6A U6A	1.85	E8	12AU7	2.00	E8	EL90/6AG5	1.95
E8	6A V6	1.75	E8	12AU17A	2.00	E8	EB91/6AL5	1.75
E8	6BA6	1.80	E8	12AV6	1.75	E8	EBC91/6AV6	1.75
E8	6BE6	1.90	E8	12AX7	2.00	E8	EC91/6J6	2.30
E8	6BL8	2.75	E8	12AX7A	2.00	E8	HBC91/12AV6	1.75
E8	6BQ5	1.95	E8	12DW7	2.30	E8	EF93/6BA6	1.80
E8	6BQ5A	1.95	E8	15CW5	2.25	E8	EF94/6AU6	1.85
E8	6C4	2.60	E8	EABC80/6AK8	2.55	E8	EC95/6ER5	2.20
E8	6DA6	2.30	E8	EFC80/6BL8	2.75	E8	EF95/6AK5	2.95
E8	6DC8	2.40	E8	ECL80/6AB8	2.50	E8	EL95/6DL5	2.30
E8	6D J8	2.80	E8	PCF80/9A8	2.95	E8	EC97/6FV5	2.15
E8	6DL5	2.30	E8	ECC81/12AT7	2.30	E8	EF183/6EH7	2.35
E8	6DX8	2.60	E8	ECH81/6AJ8	2.40	E8	EF184/6EJ7	2.35
E8	6EH7	2.35	E8	ECC82/12AU7	2.00	E8	ECC189/6ES8	3.15
E8	6E17	2.35	E8	ECC83/12AX7	2.00	E8	6267	2.25
E8	6ER5	2.20	E8	ECL84/6DX8	2.60	E8	7025	2.15
E8	6ES8	3.15	E8	ELR4/6BO5	1.95	E8	7247	2.30

HAND-CRAFTED CUSTOM AUDIO TUBES BY GENALEX



• Deluxe Replacement Tubes for Hi-Fi Units

• Individually Made to Rigid Standards



A series of hand-crafted, deluxe replacement tubes for high-fidelity components, offering ultra-reliable, distortion-free design. Each "Gold Lion" tube is carefully quality-controlled during manufacture—actually measure up to prototype laboratory standard. Made in the finest tradition of British craftmanship by the renowned General Electric Co., Ltd., of England. 100% tested for major characteristics, including operational tests, noise and microphonics. Secondary characteristics are checked and approved on a statistical basis in accordance to U. S. Government MIL-E-1 procedures. Each tube includes individual test report.

In addition, 1000-hour life tests are regularly carried out on samples selected at random with some tubes tested to 10,000 hours. Every component in "Gold Lion" tubes is microscopically examined, cleaned in ultrasonic baths, and assembled at pressurized dust-free benches. Each tube heat-sealed in pioxin and separately cartoned. When ordering, give full Stock No., which consists of Dept. No. and Mfr.'s Type No. Thus: E7-GL-KT77. MP after tube type indicates matched pair. Av. shpg. wt., 4 oz.

Stock No.			Stock No.		
Dept.	Type	Replaces:	Dept.	Type	Replaces:
E7	GL-U52	5U4G, 5T4, 5931	E7	GL-N709	6BQ5, EL84
E7	GL-KT66	EL35, EL36, EL37, EL39, 1614, 1622, 5881	E7	GL-N709-MP	6BQ5, EL84
E7	GL-KT66-MP	EL35, EL36, EL37, EL39, 1614, 1622, 5881	E7	GL-U709	6CA4, EZ81
E7	GL-KT77	6L6GB, 6CA7, EL34, 7581	E7	GL-D717	6AL5, D77, EB91, 5726, 6058, 6097, 6663
E7	GL-KT77-MP	6L6GB, 6CA7, EL34, 7581	E7	GL-Z729	6CF8, EF86, 6267
E7	GL-U77	SAR4, 5V4, 5Z4, GZ30, GZ32, GZ33, GZ34	E7	GL-B739	12AT7, ECC81, B309, 6060, 6201, 6679
E7	GL-KT88	6L6GC, 6550, 7027A	E7	GL-B749	12AU7, ECC82, 5814, 6067, 6189, 6680
E7	GL-KT88-MP	6L6GC, 6550, 7027A	E7	GL-B759	12AX7, ECC83, 5751, 6681, 7025, 7247
E7	GL-U707	6X4, 6BX4, U78, EZ90, 5993, 6063, 6202, 6203			

See Next Page for Other Listings of Audio and Special-Purpose Tubes

Special-Purpose and Hi-Fi Audio Tubes



MANUFACTURER'S ABBREVIATIONS

AMP	Amperex Elect. Corp.
CEC	Cont'l Elect. Corp.
EIM	Eitel McCullough
GE	General Electric
GEN	Genalex
MULL	Mullard Products
PEN	Penta Labs. Inc.
RCA	Radio Corp. of Amer.
RAY	Raytheon Mfg. Co.
SYL	Sylvania
TAY	Taylor Tubes, Inc.
TUNG	Tunksof
VIC	Victoreen

HIGH RELIABILITY TUBES FOR EXACTING USES

High reliability, special purpose tubes for exacting applications in commercial, military, Amateur, and experimental equipment. Carefully made and thoroughly tested—assure optimum performance of electronic equipment by minimizing tube failure. RCA "Premium" and G.E. "Five Star" tube types are indicated by an asterisk, or asterisk with prototype tube in brackets, thus 5670*(2C51). All of these tubes are directly interchangeable with their prototypes and require no rewiring.

SPECIAL HIGH-FIDELITY AUDIO TUBES

Tube types that are followed by a † in table below, are special high-fidelity tubes for top audio performance. Skillfully designed and factory-tested, they provide full fidelity, hum-free operation and long life. Tube types in brackets are receiving tube prototypes. All are directly interchangeable except †, may require some rewiring. Suffix MP indicates matched pairs. Laboratory balanced, matched pairs are recommended for optimum performance in power output stages of hi-fi amplifiers.

Easy to Order—Specify Department and Tube Type. This tabular presentation lets you quickly and easily locate the tube types you want. When ordering, be sure to give the full Stock Number, which consists of the Department Number and the Manufacturer's Tube Type Number, thus E1-0A2. These numbers represent the exact location of the tube in Allied's stockrooms and speed up shipment of your order.

Allied stocks over 1100 different tube types, from 23 manufacturers, always ready for immediate delivery. Write for information on any high-fidelity or special-purpose tube not shown in this listing—we carry complete lines of our tube suppliers. As new tube types are released by manufacturers, Allied will stock them. Make Allied your one stop source for all your tube requirements.

Stock No.			Stock No.			Stock No.					
Dept.	Tube Type	Mfr.	NET EACH	Dept.	Tube Type	Mfr.	NET EACH	Dept.	Tube Type	Mfr.	NET EACH
E1	0A2	RCA	1.46	E3	EBF80†(6N8)	MULL	1.67	E1	2050	RCA	2.37
E1	0A3	RCA	1.54	E3	EF80†(6BX6)	MULL	1.68	E1	5639*	RCA	6.55
E1	0A4G	RCA	1.86	E3	EZ80†(6V4)	MULL	.81	E1	5651*	RCA	1.78
E1	0B2	RCA	1.44	E4	ECC81†(12A7)	AMP	1.53	E2	CK5654	RAY	3.05
E2	0B3	RAY	2.35	E3	EMR1†(6DA5)	MULL	1.41	E3	5662	GE	1.45
E1	0C3	RCA	1.50	E4	E481†(6CA4)	AMP	1.05	E1	5670*(2C51)	RCA	3.00
E1	0D3	RCA	1.44	E3	EZ81†(6CA4)	MULL	1.14	E1	5670 WA*(2C51)	RCA	3.95
E3	1B85	VIC	8.50	E4	ECC82†(12AU7)	AMP	1.23	E1	5687	RCA	4.05
E1	1L4	RCA	1.37	E3	ECL82†(6BM8)	MULL	1.62	E1	5696	RCA	2.05
E1	1P39	RCA	2.45	E3	ECL82MP†(6BM8)	MULL	3.65/pr.	E1	5725*(6AS6)	RCA	3.80
E1	1P40	RCA	3.75	E3	UCL82†(50B8)	MULL	1.62	E1	5726*(6AL5)	RCA	1.55
E1	2D21	RCA	1.29	E3	UCL82 MP†(50B8)	MULL	3.90/pr.	E3	5727/2D21W	GE	2.90
E1	2E24	RCA	5.25	E1	83	RCA	1.89	E1	5751*(12AX7)	RCA	2.95
E1	2E26	RCA	3.85	E4	ECC83†(12AX7)	AMP	1.28	E1	5763	RCA	2.53
E1	2X2A	RCA	3.10	E3	EL84 MP†(6BQ5)	MULL	2.84/pr.	E1	5814A*(12AU7)	RCA	3.35
E1	3A5	RCA	2.03	E4	EL84†(6BQ5)	AMP	1.30	E1	5823	RCA	1.75
E1	3B2B	RCA	6.00	E4	EL84 MP†(6BQ5)	AMP	2.63/pr.	E2	CK5879	RAY	1.75
E1	3KP1	RCA	19.50	E3	UL84†(45B5)	MULL	1.49	E1	5881†(6L6)	RCA	3.39
E1	4-65A	RCA	28.75	E3	UL84MP†(45B5)	MULL	3.38/pr.	E3	5881†(6L6)	TUNG	3.50
E3	4-125A	EIM	38.00	E4	XL84†(8BQ5)	AMP	1.30	E3	5881MP†(6L6)	TUNG	7.85/pr.
E3	4-250A	EIM	46.50	E4	ECC85†(6AQ8)	AMP	1.45	E1	5896*	RCA	4.45
E3	4-400A	EIM	48.00	E3	EF85†(6BY7)	MULL	1.89	E1	5899*	RCA	6.55
EZ3	4-1000A	EIM	132.00	...	EF86†	(Amperex) Use Type 6267		E1	5902*	RCA	5.75
E3	4CX250B/7203	EIM	39.00	E4	EF86†(6267)	MULL	1.38	E1	6005*(6AQ5)	RCA	3.93
E3	4CX300A	EIM	55.00	E3	EL86†(6CW5)	MULL	1.43	E1	6026	RCA	2.40
E3	4CX1000A	EIM	156.00	E3	EL86 MP†(6CW5)	MULL	3.32/pr.	E1	6072*(12AY7)	RCA	3.90
E2	RK 4D32	RAY	32.76	E3	UF86†	MULL	1.76	E1	6073*(0A2)	RCA	3.35
E1	4E27A/5-125B	RCA	40.00	E4	ECC88†(6DJ8)	AMP	1.89	E1	6074*(0B2)	RCA	3.70
E3	4X250B	EIM	39.35	E3	KT88†	GEN	5.95	E3	6087*(5Y3GT)	GE	5.75
E4	5AR4†(GZ34)	AMP	2.20	E3	KT88 MP†	GEN	13.65/pr.	E1	6111*	RCA	5.45
EZ3	4X500A	EIM	128.50	E3	EL90 MP†(6AQ5)	MULL	2.73/pr.	E1	6112*	RCA	5.45
EZ1	5BP1A	RCA	23.30	E3	EZ90†(6X4)	MULL	.81	E1	6136*(6AU6)	RCA	2.75
E1	5CP7A	RCA	28.60	E3	ECC91†(6L6)	MULL	1.43	E1	6146	RCA	5.00
...	5R4GY	Use Type 5R4GYB		E3	EL95MP†(6DL5)	MULL	2.73/pr.	E1	6159	RCA	5.00
E3	5R4GYA	GE	2.05	E3	100TH	EIM	23.50	E1	6186/6AG5 WA*(6AG5)	RCA	3.85
E1	5R4GYB	RCA	2.03	EZ3	PL172	PEN	135.00	E1	6189/12AU7 WA*(12AU7)	RCA	3.70
EZ1	5UP1	RCA	12.45	EZ3	250TH	EIM	38.50	E1	6201*(12A7)	RCA	2.95
EX6	CS-10/P2	CEC	52.00	E3	304TH	EIM	64.50	E4	6211	AMP	2.35
E1	6AK6	RCA	1.40	E3	304TL	EIM	64.50	E4	6227	AMP	3.05
E1	6A56	RCA	3.43	E1	502A	RCA	2.30	E3	6265*(6BH6)	GE	4.10
E1	6A57 G	RCA	4.95	E1	807	RCA	3.00	E4	6267*(EF86)	AMP	1.38
E4	6CA7 MP†(EL34)	AMP	6.80/pr.	E1	809	RCA	7.95	E1	6293	RCA	6.40
E4	6GB5†	AMP	2.05	E1	810	RCA	26.95	E1	6328	RCA	11.10
E4	6GK5†	AMP	1.07	E1	811A	RCA	6.90	E1	6417	RCA	3.04
E1	6J4	RCA	4.19	E1	812A	RCA	6.90	E3	6550†	TUNG	4.95
EX3	7J1/7VP1	SYL	29.00	E1	813	RCA	23.15	E3	6550MP†	TUNG	10.55/pr.
EX1	7JP4	RCA	23.84	E1	815	RCA	28.35	E1	6626/OA2 WA*(OA2)	RCA	4.45
E1	12A6	RCA	3.36	E1	816	RCA	2.95	E1	6661/6BH6	RCA	1.34
E3	GZ32†	MULL	2.54	E1	829B	RCA	19.00	E1	6678/6U8A	RCA	1.62
E3	EL34†(6CA7)	MULL	3.16	EZ1	833A	RCA	53.65	E1	6679/12A7	RCA	1.50
E3	EL34 MP†(6CA7)	MULL	6.86/pr.	E1	866A	RCA	2.65	E1	6680/12AU7	RCA	1.22
E3	GZ34†(5AR4)	MULL	2.27	E3	866JR	TAY	1.95	E1	6681/12AX7	RCA	1.26
E3	35T	EIM	21.50	E1	872A	RCA	10.65	E1	6883	RCA	5.00
E3	EL37†(6L6)	MULL	3.40	E1	884	RCA	2.28	E3	7025†	MULL	1.40
E4	EL37†(6L6)	AMP	3.20	E1	885	RCA	2.00	E1	7034/4X150A	RCA	25.00
E3	EL37 MP†(6L6)	MULL	6.82/pr.	E1	921	RCA	3.50	E1	7189†	RCA	1.40
E4	EL37 MP†(6L6)	AMP	6.82/pr.	E1	927	RCA	3.80	E3	7189MP†	MULL	1.40
E3	TZ40	TAY	10.20	E1	931VA	RCA	11.75	E3	7189MP†	MULL	3.53/pr.
E4	EPF60	AMP	7.50	E1	991	RCA	.87	E1	7212	RCA	6.75
E3	KT61†	GEN	3.75	E1	1614†	RCA	4.93	E1	7412	RCA	2.10
E3	KT61 MP†	GEN	9.25/pr.	E1	1620†(6J7)	RCA	7.55	E1	7536	RCA	2.10
E2	RK61	RAY	4.20	E1	1621†(6F6)	RCA	3.50	E1	7551	RCA	3.50
E3	KT66†(6L6)	GEN	3.50	E1	1622†(6L6)	RCA	4.85	E1	7558	RCA	3.50
E3	KT66 MP†	GEN	8.75/pr.	E1	1625	RCA	4.75				
E3	DM70†(1M3)	MULL	1.05	E1	1635	RCA	3.82				

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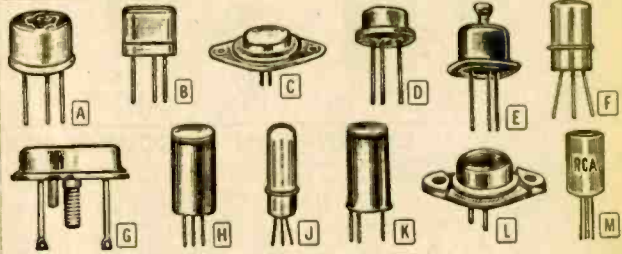
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This listing represents only the more popular types of semi-conductors stocked by Allied—those of particular interest to

the experimenter, radio Amateur and hobbyist. Phone or write us for any types you need that are not shown in the list below.

KEY TO NAMES OF MANUFACTURERS

- GE**—General Electric
HO—Hoffman Semiconductors
INT—International Rectifier
MIC—Microwave Associates
MOT—Motorola
NAT—National Semiconductor
PAC—Pacific Semiconductors
PHI—Philco
RAY—Raytheon
RCA—Radio Corp. of America
ST—Sarkes-Tarzian
SYL—Sylvania
TI—Texas Instruments



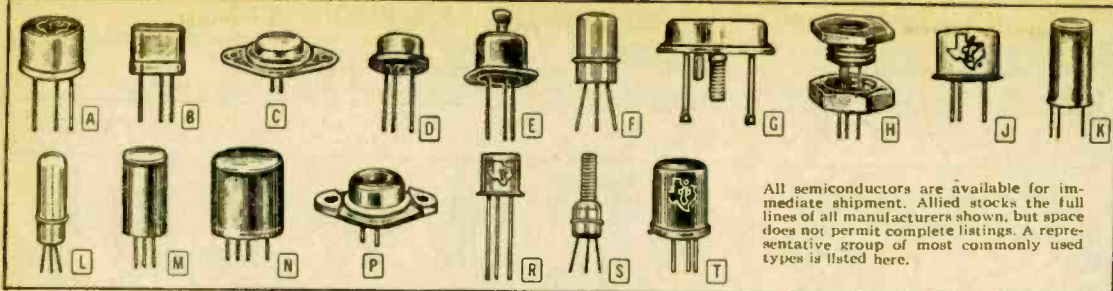
EXPLANATION OF COLUMN HEADINGS AND SYMBOLS

- P_c**—maximum collector dissipation in milliwatts
P_t—total dissipation in watts
I_c—maximum collector current in milliamperes
BV_{ceb}—collector-to-base breakdown voltage in volts
h_{fe}—small signal AC current gain (small signal AC beta)
h_{FE}—DC current gain (large signal DC beta)
f_{ab}—alpha cutoff frequency in megacycles
f_{ae}—alpha cutoff frequency in megacycles—common emitter
AJ—alloy junction type **GJ**—grown junction type
 Av. shpg. wt., 2 oz.

- DJ**—diffused junction type
DB—diffused barrier type
SB—surface barrier type
RG—rate grown type
DF—drift field type
UN—unijunction type
“SI” in design column indicates silicon type; all others are germanium
 • in design column indicates NPN type; all others are PNP type

Type No.	Mfr.	Fig.	Design or Structure	P _c or M _w	P _t or W	I _c Ma	BV _{ceb} V	h _{FE} †	h _{fe} †	f _{ab} or f _{ae} Mc	NET EACH	Type No.	Mfr.	Fig.	Design or Structure	P _c or M _w	I _c Ma	BV _{ceb} V	h _{FE} †	h _{fe} †	f _{ab} or f _{ae} Mc	NET EACH	
2N34/5	SYL	A	AJ	250	100	40	75	0.4	3.26	2N307	RCA	C	Alloy	11*	1.0A	35	30†				1.49		
2N35	SYL	A	AJ	180	100	40	75	0.8	1.17	2N313	Use 2N292												
2N43	GE	E	AJ	240	300	45	53†	1.3	4.15	2N319	GE	E	AJ	240	200	20	48	2.5	1.58				
2N44	GE	D	AJ	240	300	45	31†	1.0	2.95	2N320	GE	E	AJ	240	200	20	80	3.0	1.60				
2N78	GE	E	AJ	65	20	20	90	5.0	2.50	2N321	GE	E	AJ	240	200	20	80	3.0	1.60				
2N94	SYL	B	AJ	50	50	20	10	3.0	1.34	2N322	GE	E	AJ	140	100	16	42	2.0	.75				
2N104	RCA	K	AJ	150	50	30	44	0.7	1.65	2N324	GE	E	AJ	140	100	16	80	3.0	.92				
2N107	GE	D	AJ	50	10	12	19	1.0	1.55	2N327A	RAY	A	Si. Alloy	250	50	50	14	.20	3.70				
2N109	RCA	K	AJ	150	70	25	75	1.0	1.91	2N331	MOT	A	AJ	200	200	30	50	0.4	1.50				
2N128	PHI	L	SB	25	5	4.5	40	.60	6.30	2N344	PHI	J	SB	20	5	5	22		3.45				
2N135	GE	D	*Switch	100	50	20	20	4.5	2.15	2N345	PHI	J	SB	20	5	5	35		4.35				
2N136	GE	D	*Switch	100	50	20	40	6.5	2.55	2N346	PHI	J	SB	20	5	5	35		5.85				
2N137	GE	D	*Switch	100	50	10	60	10	6.20	2N351A	MOT	A	AJ	90*	5A	40	45†	400	1.80				
2N139	RCA	H	AJ	80	15	16	48	6.8	1.16	2N362	RAY	A	AJ	150	100	32	50	1.5	.72				
2N140	RCA	H	AJ	80	15	7.0	75	10	1.24	2N363	RAY	A	AJ	150	100	32	50	1.5	.72				
2N169	GE	E	*GJ	65	20	15	72	9.0	1.57	2N368	TI	Use TI-321		150	50	30	34	1.0	1.92				
2N169A	GE	E	*GJ	65	20	25	72	9.0	2.40	2N369	RCA	F	DF	80	10	20	60	30	1.12				
2N170	GE	E	*AJ	25	20	6	20	2.5	7.0†	2N372	RCA	F	DF	80	10	20	60	30	1.12				
2N173	TI	G	H	150*	15	60	70†	10*	6.35	2N376A	MOT	F	AJ	90*	5A	40	60†	500	1.85				
2N175	RCA	H	AJ	50	2.0	10	65	.85	1.63	2N377	SYL	A	AJ	150	200	25	40†	6.0	1.56				
2N176	MOT	C	AJ	90*	3.0	40	40	45†	1.55	2N383	SYL	A	AJ	200	100	50	115	5.0	1.45				
2N178	Use TI-376								.71	2N384	RCA	M	Si Mesa	120	10	30	60	100	2.48				
2N185	GE	D	AJ	200	200	25	54	1.2	1.64	2N386	PHI	C	AJ	12*	3.0A	60	60†	70	6.75				
2N189	GE	D	AJ	75	50	25	24	.80	.70	2N387	PHI	C	AJ	12*	3.0A	80	35†	60	9.75				
2N190	GE	D	AJ	75	50	25	36	1.0	.75	2N388	SYL	A	AJ	150	200	25	150†	8.0	1.43				
2N191	GE	D	AJ	75	50	25	54	1.2	.83	2N398	MOT	A	AJ	150	100	105	60	1	1.30				
2N192	GE	D	AJ	75	50	25	75	3.0	1.57	2N400A	MOT	A	AJ	150	200	105	20	1.0	1.30				
2N194	SYL	B	AJ	50	50	18	100	2.0	1.25	2N404	RCA	A	AJ	120	100	25	40	12.0	.63				
2N207	PHI	E	AJ	50	20	12	100	2.0	2.10	2N405	RCA	H	AJ	150	70	12	35	65	.46				
2N207A	PHI	E	AJ	50	20	12	100	2.0	2.25	2N406	RCA	K	AJ	150	70	20	75		.56				
2N207B	PHI	E	AJ	50	20	12	100	2.0	1.50	2N408	RCA	K	AJ	150	70	20	75		.56				
2N212	SYL	B	AJ	150	100	40	150	3.0	1.25	2N409	RCA	K	AJ	80	15	13	48	6.8	.68				
2N213	SYL	B	AJ	150	50	40	250	.15	1.59	2N410	RCA	K	AJ	80	15	13	48	6.8	.68				
2N214	SYL	B	AJ	180	100	40	75†	.80	.62	2N411	RCA	H	AJ	80	15	13	75	10.0	.71				
2N215	RCA	B	AJ	150	50	30	44	.70	1.73	2N412	RCA	K	AJ	150	200	30	60	7.0	.75				
2N216	SYL	B	AJ	50	50	18	7.5	3.0	1.75	2N414	RAY	A	AJ	150	200	30	80	10.0	1.50				
2N217	RCA	K	AJ	150	70	25	75	6.8	.86	2N416	RAY	A	AJ	150	200	30	80	10.0	1.50				
2N218	RCA	K	AJ	80	15	7	48	1.6	1.16	2N422	RAY	A	AJ	150	100	35	50	.80	1.95				
2N219	RCA	K	AJ	80	15	7	75	10	1.24	2N441	MOT	G	AJ	150*	15A	40	40†	10 kc†	2.65				
2N220	RCA	K	AJ	50	2.0	10	65	.85	1.25	2N450	GE	D	AJ	150*	125	20	130	5.0	2.10				
2N223	PHI	F	AJ	250	150	18	110	.60	1.08	2N456A	TI	C	C	Alloy	150*	7.0A	40	60†	43	2.60			
2N224	PHI	F	AJ	250	150	25	90†	.51	1.10	2N457A	TI	C	C	Alloy	150*	7.0A	60	60†	43	3.30			
2N225	PHI	F	Pair of 2N224 with h _{FE} matched to 20%						2.20	2N458A	TI	C	Alloy	150*	7.0A	80	60†	43	4.70				
2N226	PHI	F	AJ	250	150	30	60†	.40	1.02	2N464	MOT	A	AJ	150	100	40	25	70	1.50				
2N227	PHI	F	Pair of 2N226 with h _{FE} matched to 20%						2.04	2N465	MOT	A	AJ	150	100	45	80	1.0	1.56				
2N229	SYL	B	AJ	50	40	10	75	3.0	.50	2N466	MOT	A	AJ	150	100	35	90	1.0	1.65				
2N232	PHI	J	SB	9.0	3.0	4.5	24	20	1.05	2N467	MOT	A	AJ	150	100	35	180	1.2	2.10				
2N233	SYL	B	AJ	50	50	10	5.0	3.0	.50	2N495	PHI	J	SI	AJ	150	50	25	30	21	11.63			
2N241A	GE	D	C	200	500	45	85	1.0	2.47	2N499	PHI	J	OB	30	50	30	8.5	170	3.98				
2N247/33	SYL	C	DF	80	10	35	60	30	1.90	2N501	PHI	J	DB	60	50	15	70†	175	6.38				
2N250	TI	C	Alloy	25*	3.0A	30	90†	8.0 kc	2.25	2N508	GE	A	AJ	140	100	40	112	3.5	8.99				
2N251	TI	C	Alloy	25*	3.0A	60	90†	8.0 kc	2.25	2N514	TI	C	AJ	150*	25A	40	60†	35	8.25				
2N255	SYL	C	AJ	3.0A	15	30	1.00	1.00	1.00	2N514A	TI	C	AJ	150*	25A	60	60†	35	8.40				
2N265	GE	D	AJ	75	50	25	110	1.5	1.87	2N514B	TI	C	AJ	150*	25A	80	60†	35	8.80				
2N278	MOT	D	AJ	150*	15A	50	70†	101kc	3.85	2N517	SYL	B	D	AJ	50	10	18	7.5	3.0	1.67			
2N292	GE	E	*GJ	65	20	15	25	6.0	.75	2N525	MOT	D	AJ	225	500	45	52	2.5	1.65				
2N293	GE	E	*GJ	65	20	15	25	7.0	.75	2N527	MOT	D	AJ	225	500	45	91	3.3	1.91				
2N297A	MOT	D	AJ	65	4.0A	60	100†	12 kc†	2.90	2N535	PHI	E	O	AJ	50	20							

Transistors



All semiconductors are available for immediate shipment. Allied stocks the full lines of all manufacturers shown, but space does not permit complete listings. A representative group of most commonly used types is listed here.

EXPLANATION OF COLUMN HEADINGS AND SYMBOLS

P_c , maximum collector dissipation. P_T , total dissipation. I_c , maximum collector current. V_{CB} , collector-to-base breakdown voltage. I_{FS} , small signal AC current gain. h_{FE} , DC current gain. f_{α} , alpha cutoff frequency. f_{β} , beta cutoff frequency—common emitter. "Si" indicates silicon type; all others are germanium. *Indicates NPN type; all others PNP. See previous page for structure symbols. Av. wt., 2 oz.

frequency. f_{α} , alpha cutoff frequency—common emitter. "Si" indicates silicon type; all others are germanium. *Indicates NPN type; all others PNP. See previous page for structure symbols. Av. wt., 2 oz.

Type No.	Mfr.	Fig.	Design of Structure	P_c or P_T Mw or W	I_c Ma	V_{CB} V	h_{FE} †	f_{α} or f_{β} † Mc	NET EACH	
2N627	MOT	C	M	AJ	90*	10A	40	30†	3.45	
2N629	RCA	C	M	AJ	90*	10A	40	30†	6.90	
2N647	MOT	A	AJ	100	100	25	70	30†	1.16	
2N649	RCA	M	M	AJ	100	50	20	65†	.86	
2N650	MOT	A	AJ	200	250	45	40	2.0	1.85	
2N651	MOT	A	AJ	200	45	250	75	2.5	1.88	
2N652	MOT	A	AJ	200	250	45	160	3.0	2.40	
2N653	MOT	A	AJ	200	250	30	40	2.0	1.65	
2N654	MOT	A	AJ	200	250	30	75	2.5	1.80	
2N655	MOT	A	AJ	200	250	30	160	3.5	1.95	
2N669	MOT	C	AJ	3.0A	40	100†	50	1.70		
2N677	SYL	R	AJ	200	15A	50	40†	3.0	3.15	
2N705	TI	R	MESA	300	50	15	40†	300	2.48	
2N710	TI	A	MESA	300	50	15	40†	300	2.48	
2N711	TI	A	*MESA	150	50	12	30†	360	1.45	
2N797	TI	T	AJ	150	150	20	80†	1000	4.58	
2N964	TI	T	DJ	150	100	15	40†	460	4.58	
2N1008	SYL	A	AJ	167	300	20	90	1.0	1.20	
2N1010	RCA	M	H	50	2.0	10	35	2.0	1.93	
2N1038	TI	H	Alloy	20*	3.0A	40	33†	10kc†	2.85	
2N1039	TI	H	Alloy	20*	3.0A	60	33†	10kc†	3.75	
2N1040	TI	H	Alloy	20*	3.0A	60	33†	10kc†	11.25	
2N1041	TI	H	AJ	20*	3.0A	100	75	2.5	15.75	
2N1042	TI	H	AJ	20*	3.0A	40	25†	10kc†	5.75	
2N1043	TI	H	AJ	20*	3.0A	60	25†	10kc†	9.00	
2N1045	TI	H	AJ	20*	3.0A	100	25†	10kc†	18.00	
2N1059	SYL	AJ	AJ	180	100	20	75†	1.00	1.00	
2N1086	GE	E	E	*GJ	65	20	9.0	17†	8.0	
2N1087	GE	E	E	*RG	65	20	9.0	17†	8.0	
2N1097	GE	E	E	AJ	140	100	16	34†	1.0	
2N1098	GE	D	D	AJ	140	100	16	34†	1.0	
2N1101	SYL	B	B	*AJ	180	100	20	40	15	
2N1102	TI	B	B	GJ	30	5	16	20	30	
2N1124	PHI	F	F	AJ	300	250	40	125	1.3	
2N1128	PHI	F	F	AJ	150	250	25	120	1.25	
2N1129	PHI	F	F	AJ	150	250	25	165†	75	
2N1130	PHI	F	F	AJ	150	250	30	110†	75	
2N1143	TI	J	MESA	750	100	25	32	480	6.38	
2N1144	GE	D	D	AJ	140	100	16	34†	.68	
2N1145	GE	D	D	AJ	140	100	16	34†	.60	
2N1191	MOT	A	AJ	175	200	40	75	2.0	1.12	
2N1192	MOT	A	AJ	175	200	40	75	2.0	1.12	
2N1193	MOT	A	AJ	175	200	40	160	2.5	1.50	
2N1204	PHI	D	Alloy	200	500	20	30†	6.38	2.06	
2N1224	RCA	K	AJ	120	10	40	60	100	2.89	
2N1226	RCA	A	AJ	120	10	40	60	60	3.30	
2N1264/33	SYL	A	DJ	50	10	20	25	3.0	.57	
2N1265/5	SYL	A	AJ	50	100	10	75	1.0	.57	
2N1266	TI	A	Alloy	150	150	15	50	2.0	.59	
2N1273	TI	A	Alloy	150	150	25	50	2.0	.69	
2N1274	TI	A	MESA	150	10	13	50	40	1.16	
2N1300	RCA	A	MESA	150	10	13	50	40	1.16	
2N1301	RCA	A	MESA	150	300	30	100	10	1.65	
2N1302	TI	J	Alloy	150	300	25	50	3.0	.50	
2N1303	TI	J	Alloy	150	300	30	50	3.0	.50	
2N1304	TI	J	Alloy	150	300	25	70	5.0	.61	
2N1305	TI	J	Alloy	150	300	30	70	5.0	.61	
2N1306	TI	J	Alloy	150	300	25	100	10.0	1.12	
2N1307	TI	J	Alloy	150	300	30	100	10.0	1.12	
2N1308	TI	J	Alloy	150	300	25	150	15.0	1.57	
2N1309	TI	J	Alloy	150	300	30	150	15.0	1.57	
2N1362	TI	MOT	P	Alloy	30*	3.0A	100	55†	10kc†	5.00
2N1370	TI	A	Alloy	150	150	25	80	2.0	.27	
2N1371	TI	A	Alloy	150	150	45	80	2.0	1.14	
2N1372	TI	A	Alloy	210	200	25	45	2.0	.82	
2N1373	TI	A	Alloy	250	200	45	45	2.0	1.20	
2N1374	TI	A	Alloy	250	200	25	70	2.0	1.02	
2N1375	TI	A	Alloy	250	200	45	70	2.0	1.39	
2N1376	TI	A	Alloy	250	200	25	95	2.0	1.29	
2N1377	TI	A	Alloy	250	200	45	95	2.0	1.50	
2N1378	TI	A	Alloy	250	200	12	200	2.0	1.29	
2N1379	TI	A	Alloy	250	200	25	200	2.0	1.44	
2N1380	TI	A	Alloy	250	200	12	100	2.0	.67	
2N1381	TI	A	Alloy	250	200	25	100	2.0	.72	
2N1382	TI	A	Alloy	200	200	25	80	2.0	.99	
2N1383	TI	A	Alloy	200	200	25	50	2.0	.92	
2N1401	TI	A	MESA	35	5.0	25	2.1	100†	4.74	
2N1404	TI	A	AJ	150	300	25	100†	4.0	.63	
2N1411	PHI	K	Alloy	25	50	5	75†	3.74		
2N1425	RCA	N	DF	80	10	24	49	33	.86	
2N1426	RCA	N	DF	80	10	24	120	33	1.12	
2N1431	SYL	B	AJ	180	100	20	150	10	1.89	
2N1525	RCA	M	AJ	80	10	24	60	33	.68	
2N1526	RCA	M	AJ	80	10	24	130	33	.71	
2N1527	RCA	K	AJ	80	10	24	130	33	.71	
2N1530	MOT	P	AJ	90*	5.0A	60	30	10†	2.00	
2N1586	TI	B	Si, GJ	150	25	15	18	4.0	6.20	
2N1605	RCA	K	AJ	150	100	25	40	12	1.09	
2N1631	RCA	K	AJ	80	10	12	80	45	1.74	
2N1633	RCA	K	AJ	80	10	34	75	40	1.24	
2N1635	RCA	K	AJ	80	10	34	75	45	1.32	
2N1637	RCA	K	AJ	80	10	34	80	45	1.68	
2N1671	GE	A	Si, Un	450	50	10	80	45	2.98	
2N1671A	GE	A	Si, Un	450	50	10	80	45	3.20	
2N1694	GE	D	Switch	75	25	20	30†	9.0	.99	
2N1745	PHI	D	AJ	60	50	20	33†	1.83		
2N1750	PHI	L	SB	15	5.0	14	30	50	1.17	
2N1752	PHI	D	DB	60	50	12	250	106	2.16	
2N1755	RCA	P	DF	50*	10A	60	90	7.5kc	4.13	
2N1907	TI	G	AJ	150*	20A	100	10†	20	9.00	
2N2079	MOT	G	AJ	170*	15A	40	40†	10kc†	2.60	
2N2082	MOT	G	AJ	170*	15A	40	40†	10kc†	3.20	
2N2102	RCA	A	Si, *DJ	5*	1A	120	120†	2.95		
2N2188	TI	R	MESA	125	50	40	90	125	1.27	
2N2189	TI	R	MESA	115	50	40	135	150	1.62	
2N2190	TI	R	MESA	125	50	60	90	125	1.47	
2N2191	TI	R	MESA	125	50	60	135	150	1.86	
2N2270	RCA	D	Si, *PLANAR	5*	1.0A	60			4.54	
CK721	RAY	B	AJ	180	10	15		0.8	2.40	
CK722	RAY	B	AJ	180	10	22		0.6	.90	
HT103	RAY	A	AJ	150	100	15		3.5	1.50	
SB101	HOF	A	*MESA	600	20		6.0	150	15.00	
SB102	Use 2N344									
SB103	Use 2N346									
TI-321	TI	J	AJ	100	50	30	95	50	1.66	
TI-376	TI	J	AJ	150	150	20	105†		.71	
TI-377	TI	J	AJ	150	150	20	153†		.70	
TI-481	TI	J	Si, GJ	600	60	50	36		1.55	
TI-482	TI	J	*MESA	600	60	80	36		1.90	
TI-483	TI	J	*MESA	600	2μA	20	2		2.15	
TI-484	TI	J	*MESA	600	2μA	40	2		2.40	
TI-485	TI	J	*MESA	600	2μA	40	2		2.95	
TI-492	TI	J	Si, GJ	300	100	20	1		3.25	
TI-493	TI	J	Si, GJ	150	25	40	15	8.0	1.50	
TI-494	TI	J	Si, GJ	125	20	40	15	20	2.50	
TI-495	TI	J	Si, GJ	125	20	40	120	20	3.00	
TI-496	TI	J	Si, GJ	600	60	70	10†	1.0	1.75	
T0037	PHI	K	Si, GJ	40	20	12	14.5		.75	

TRANSISTOR BOOKS

- INTERNATIONAL TRANSISTOR SUBSTITUTION GUIDE-BOOK. By K. A. Pullen, Jr. (Rider). Lists 4500 direct substitutions between transistors of U.S. and foreign makes. 56 pages 5½x8½". 1.47
- TRANSISTOR THEORY AND CIRCUITS MADE SIMPLE. By H. Pollack (AMECO). Concise, simply presented discussion of transistor theory and operation. 19 circuits. 124 pages. 6x9". 1.20
- UNDERSTANDING TRANSISTORS. By M. S. Kiver (Allied Radio). Excellent treatment of transistor theory. 64 pages. 6x9". 1.35

MOTOROLA TRANSISTOR MOUNTING KITS

Provide hardware for correctly chassis mtg. TO-3 power transistor types and 50-watt zener diodes. *With heat sink. 3oz.

Type No.	Insulating Washer	1-24, EA.	26-99, EA.	100-999, EA.
MK-10	Teflon-coated fiberglass	.23	.23	.15
MK-15	Mica	.23	.23	.15
MK-20	Anodized Aluminum	.35	.35	.23
MS-10	Teflon*	2.25	1.95	
MS-15	Mica*	2.25	1.95	

AUDIO DETECTOR DIODES

Only **98c**
Pkg. of 10



MD34 Diode. An outstanding buy in a universal diode for audio use. Directly replaces the popular 1N34A audio diode so extensively used as an audio detector in transistor radios, hi-fi tuners, TV sets, etc. Also ideal for use in clipping, noise limiting, clamping and wave shaping circuits. Packed 10 to the package—actually cost less than a dime a diode! Wt.—per pkg., 2 oz. 10 per pkg. **ONLY .98**
MD34, Pkg. of 10.....

GENERAL AUDIO TRANSISTOR

Only **65c**
3 for \$1.65

• Extremely Low in Price
• Replaces Many Types

MT212 Transistor. A top-performing, germanium PNP audio transistor offered at an exceptionally low price. Has V_{CB0} of 12 volts or more; beta of 20 @ 12 volts and 1 ma. Replaces the following types: 2N133A, 2N138, 2N138A, 2N138B, 2N186A, 2N187, 2N187A, 2N207B, 2N215, 2N223, 2N224, 2N226, 2N226A, 2N227, 2N266, 2N270, 2N273, 2N279, 2N280, 2N284, 2N319, 2N320, 2N321, 2N322, 2N359, 2N524, 2N631, 2N654, 2N655, GT132, 2S32, 2S33, 2S333, 2SB199, Wt., 2 oz. **NET EACH .65**
3 For Only 1.65

OSCILLATOR-CONVERTER TRANSISTOR

Only **65c**
3 for \$1.65

M150 Transistor. Low cost, quality PNP germanium transistor for oscillator or converter stages of transistor radios. Replaces 2N112, 2N114, 2N135, 2N136, 2N137, 2N412, 2N414B, 2N415, 2N415A, 2N450, 2N616, 2N617, CK760, CK766, GT761R, 2S30, 2S52, HJX2, HJ23. **MT150, Wt., 2 oz. NET EACH .65**
3 For Only 1.65

UHF TRANSISTOR

Only **89c**

• Alpha Cutoff of 250 Mc
• 10 db Gain at 100 Mc

T-2163 MADT Transistor. A great buy in a micro-alloy diffused transistor. For Hams, hobbyists, etc. Has max. V_{CB} and V_{CE}s of 12 v.; I_{CM} 50 ma; total dissipation @ 25°C of 35 mw. Ratings at 25°C: min. BV_{CEB}, 12 v. min. BV_{CE0} 0.5 v.; max. I_{CB0} 10 μa; I_{max} 50 mc; h_{FE} 7 to 110. TO-9 case. 2 oz. **ONLY .99**
39 A 420.....

POWER TRANSISTOR

Only **98c**
Pkg. of 2

Ideal for Auto Radio Replacement

MT155 Transistor. Here's an outstanding buy in a germanium PNP power output transistor that's ideal for replacement use in all-transistor or hybrid car radios. Directly replaces Type 2N155 auto transistor plus many others. Supplied in packages of 2, these units are being offered at a price so low, you'll want several packages for future requirements. Wt.—per pkg., 2 oz. 2 per pkg. **ONLY .98**
MT155, Pkg. of 2.....

TRANSISTOR RADIO REPLACEMENT

Only **\$210**
Pkg. of 4

• Replaces Most Pocket Radio Transistors
• Economy Priced

MT304's Universal replacement transistor—directly replaces most of the transistors already found in transistor radios. Substantially reduces the inventory of transistors that the radio service shop must stock; also simplifies replacement problems. Supplied in packages of 4, 5 or 6 transistors. Av. shpg. sets. per pkg.: MT304, pkg. of 4, 2 oz.; MT305, pkg. of 5, 3 oz.; MT306, pkg. of 6, 4 oz. **ONLY 2.10**
MT304, Pkg. of 4.....
MT305, Pkg. of 5..... **ONLY 2.45**
MT306, Pkg. of 6..... **ONLY 2.75**

AUDIO AMPLIFIERS AT BIG SAVINGS

Only **60c**
Pkg. of 2

• Economy Priced
• Top-Quality
• Germanium PNP

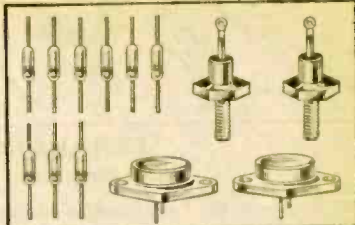
MT122 Audio Amplifier. Germanium transistor for entertainment devices such as radios, TV's, etc. Similar to CK721. **CK722, CK786, etc. 2 oz. 2 per pkg. ONLY .60**
MT122, Pkg. of 2.....

PHILCO UNIVERSAL TRANSISTOR

Only **99c**

• For 3 to 9-Volt Radios
• Can be Used in RF, IF and Mixer Circuits

EXPERIMENTER'S KIT



Only **\$650**

• Ideal for Experimenting with Miniaturized Circuitry
• For Engineers, Hobbyists

MK126 Kit This experimenter's kit includes everything you need to familiarize yourself with the important field of circuit miniaturization. Consists of 2 power transistors, 6 general purpose diodes, 2—12 amp, 50-volt rectifiers and 3 voltage regulators. 1 lb. **ONLY 6.50**
MK126.....

2-AMP SILICON RECTIFIERS

As Low As **17c** Each

Top-quality silicon power rectifiers with 1/16" hexagonal mounting studs. Have 2-ampere current capacity. When used in power supplies, they provide cool, dependable operation. Av. wt., 2 oz.

Stock No.	Type	Volts	Similar to:	EACH
54 E 300	MM205	50	1N2026	.17
54 E 301	MM210	100	1N347	.30
54 E 302	MM220	200	1N2027	.45
54 E 303	MM240	400	1N2029	.90
54 E 304	MM260	600	1N2031	1.35
54 E 305	MM280	800	1N1236	1.75
54 E 306	MM291	1000	1N3366	2.90
54 E 307	MM292	1500	1N3371	6.70
54 E 308	MM293	2000		6.50

SAVE ON CONTROLLED RECTIFIER

Only **\$350**

• For Power Switching, Control Applications
• 2-Ampere Capacity

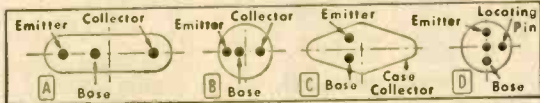
A famous-name controlled rectifier offered at a bargain price. Similar in characteristics to the 2N1600. Current rating: 2 amperes. Can be easily triggered on and off for power switching and control applications. Wt., 2 oz. **ONLY 3.50**
MCR20.....

500 MA RECTIFIER VALUES

Epoxy encapsulated silicon rectifiers in the 3 most popular voltage ratings. 3 oz.

Stock No.	Type	Volts	Similar to:	EACH
54 E 309	M E200	200	1N2069	.30
54 E 310	M E400	400	1N2070	.40
54 E 311	M E600	600	1N2071	.70

G.E. UNIVERSAL REPLACEMENT TRANSISTORS



As Low As **\$120**

• Designed for General Replacement Use
• Cover Most Types of Transistors Used in Radios, TV Sets and Other Devices

Highly dependable, low cost transistors especially designed as general replacements for most types of transistors used in radios, TV sets and other home entertainment devices. The eight transistors listed below cover the vast majority of applications that a radio and TV serviceman will encounter—they permit a service shop to reduce to a minimum the number of different types of transistors that it must stock. Av. wt., 2 oz.

Type No.	Fig.	Structure	Use	NET EACH
GE-1	A	PNP	Mixer-Oscillator-Converter	1.30
GE-2	B	PNP	AF Amplifier	1.20
GE-3	C	PNP	AF Power Amplifier	2.25
GE-4	D	PNP	AF High Power Amplifier	4.90
GE-5	B	NPN	Mixer-Oscillator-Converter	1.75
GE-6	A	NPN	Mixer-Oscillator-Converter	1.75
GE-7	A	NPN	IF Amplifier	1.58
GE-8	B	NPN	AF Amplifier	1.26

G.E. TRANSISTORS FOR THE HOBBYIST

As Low As **44c**



2N107 Audio Transistor. An alloy junction, PNP hermetically sealed audio transistor that's ideal for hobbyist projects. Packed with the transistor are several circuit diagrams from which interesting and useful electronic devices can be built. Shpg. wt., 2 oz. **ONLY .55**
2 N 107.....

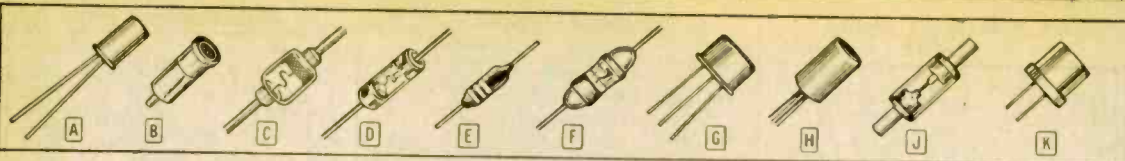
2N170 RF Transistor. A low voltage high frequency NPN transistor—an ideal companion to the 2N107 listed above. Packed with transistor are several circuit diagrams from which pocket radios, audio amplifiers, and other devices can be built. Shpg. wt., 2 oz. **ONLY .75**
2 N 170.....

M100 Transistor. A top-quality germanium mesa transistor for the Ham, hobbyist and Citizens Band. Transistor is supplied with complete circuit diagrams and information covering the construction of a transistorized Citizens Band receiver and remote control units. 3 oz. **ONLY 1.50**
M 100.....

EXTRA SAVINGS ON THIS POPULAR G.E. AUDIO TRANSISTOR

PNP high voltage audio transistor—great for experimenters, students and hobbyists. BV_{CB0} 25 v.; BV_{CE0} 25 v.; I_{peak} 400 ma. Shpg. wt., 6 oz. **ONLY .44**
58 A 544.....

Diodes



EXPLANATION OF SYMBOLS AND COLUMN HEADINGS

Manufacturers' Names

GE—General Electric
 HU—Hughes Aircraft
 HOF—Hoffman
 IR—International Rectifier
 MIC—Microwave Associates

PHI—Philco
 RCA—Radio Corporation of America
 RAY—Raytheon
 SYL—Sylvania
 TI—Texas Instruments

Column Heads and Abbreviations
 PIV—peak inverse voltage. Max. Inv. Ma—maximum inverse current in milliamperes. Irwd—minimum forward current in milliamperes measured at 1 volt and at 25°C. I_mr—maximum reverse current measured in microamperes at specified temperature. I_p—peak rectified forward current in milliamperes. V_z Min.—minimum zener voltage @ 25°C. "Ge" indicates germanium type; "Si" indicates silicon type. Av. shgp. wt. 2 oz.

DIODES FOR VARIED APPLICATIONS

Type No.	Flr.	Mfr.	PIV	Max. Inv. Ma @ 25° C.	Irwd	Description	NET EACH	Type No.	Flr.	Mfr.	PIV	Max. Inv. Ma @ 25° C.	Irwd	Description	NET EACH
IN21B	B	MIC	3000-mc silicon	microwave mixer			.68	IN294A	D	RAY	60	8 @ -50V	5	Ge; Gen. purp.	.50
IN21C	B	MIC	3000-mc silicon	microwave mixer			1.02	IN295	D	GE	40	.18 @ 10V		Ge; Gen. purp.	.35
IN23B	B	MIC	3000-mc silicon	microwave mixer			.68	IN295A	D	RAY	40	.2 @ 10V		Ge; Gen. purp.	.35
IN23C	B	MIC	10000-mc silicon	microwave mixer			1.02	IN297A	D	RAY	80	10 @ 10V	30	Ge; Gen. purp.	.27
IN34A	D	SYL	60	.30 @ 10V	5	Ge; Gen. purp.	.32	IN305	K	RAY	60	2 @ 10V	125	Ge; Gen. purp.	2.60
IN34S	C	RAY	150	.01 @ 10V	70	Ge; Matched pair	2.52	IN306	K	RAY	15	2 @ 10V	150	Ge; Gen. purp.	2.60
IN38B	C	SYL	50	.6 @ 3V	5	Ge; Gen. purp.	.75	IN307	K	RAY	125	5 @ 10V	50	Ge; Gen. purp.	2.60
IN48S	C	SYL	85	.833 @ 50V	70	Ge; Gen. purp.	.33	IN456	C	SYL	30	.025 @ 25V	90	Si; Gen. purp.	.37
IN54S	C	SYL	50	.007 @ 10V	5	Ge; High back res.	.55	IN457	C	SYL	70	.025 @ 60V	75	Si; Gen. purp.	.45
IN55A	C	SYL	150	.5 @ 15CV	4	Ge; Gen. purp.	1.44	IN458	C	SYL	150	.025 @ 125V	55	Si; Gen. purp.	.51
IN56A	C	SYL	50	.3 @ 30V	15	Ge; High cond.	1.14	IN461	C	SYL	200	.025 @ 175V	40	Si; Gen. purp.	.66
IN58A	C	SYL	120	.6 @ 100V	4	Ge; High cond.	1.20	IN462	C	SYL	70	.50 @ 50V	50	Si; Gen. purp.	.35
IN60	D	SYL	25	.03 @ 1.5V		Ge; Vid. det.; gen. purp.	.48	IN463	C	SYL	200	.50 @ 175V	30	Si; Gen. purp.	.38
IN63S	C	SYL	100	.05 @ 50V	4	Ge; High back res.	.90	IN54	D	IR	30	.18 @ 10V	10	Si; Gen. purp.	.40
IN64	D	SYL	25	Noise, 14 db max.		Ge; Vid. det.	.72	IN542	D	IR	30	Matched pair of IN541's		Si; Gen. purp.	.90
IN65S	C	SYL	70	2 @ 50V	2.5	Ge; Gen. purp.	.48	IN625	D	HU	30	1.0 @ 20V	30	Si; Gen. purp.	.60
IN66A	D	HU	60	.8 @ 50V	5	Ge; Gen. purp.	.39	IN626	D	HU	50	1.0 @ 35V	30	Si; Gen. purp.	.60
IN67A	D	HU	80	.05 @ 50V	4	Ge; High back res.	.61	IN627	D	HU	100	1.0 @ 75V	30	Si; Gen. purp.	.70
IN67A	D	RAY	80	.05 @ 50V	4	Ge; High back res.	.55	IN628	D	HU	150	1.0 @ 125V	30	Si; Gen. purp.	.88
IN68A	D	HU	100	.625 @ 100V	3	Ge; Gen. purp.	1.00	IN629	D	HU	200	1.0 @ 175V	30	Si; Gen. purp.	.95
IN69A	C	SYL	60	.5 @ 50V	5	Ge; Gen. purp.	.58	IN63A	E	TI	175	1 @ 100V	5	Si; Gen. purp.	.38
IN82	C	SYL	5	Noise, 16 db max.		Ge; UHF mixer (to 1000 mc)	.95	IN643	E	TI	225	.025 @ 10V	400	Si; Switching	1.50
IN82A	C	RAY	5	Noise, 14 db max.		Ge; UHF mixer (to 1000 mc)	.92	IN659	E	TI	50	5.0 @ 50V	30	Si; Switching	1.40
IN90	D	HU	60	.5 @ 50V	5	Ge; Gen. purp.	.38	IN660	E	TI	100	5.0 @ 100V	30	Si; Switching	1.65
IN95	D	HU	60	.5 @ 50V	10	Ge; Gen. purp.	.52	IN661	E	TI	200	10 @ 200V	30	Si; Switching	2.00
IN96	D	HU	60	.5 @ 50V	20	Ge; Gen. purp.	.59	IN662	E	TI	80	20 @ 50V	5	Si; Switching	1.60
IN97	D	HU	80	.05 @ 50V	10	Ge; High back res.	.88	IN663	E	TI	80	5.0 @ 75V	5	Si; Switching	1.80
IN100	D	HU	60	.100 @ 50V	30	Ge; High back res.	.96	IN914	E	TI	75	.5 @ 75V	10	Si; Switching	3.00
IN116	D	HU	60	.100 @ 50V	5	Ge; High back res.	.56	IN2326	H	RCA	1	(10 ma. max. @ 7° C.)		Ge; Compensating	.50
IN118	D	HU	60	.100 @ 50V	2	Ge; High back res.	.61	CO1	E	TI	40	10 @ 40V	4	Si; Computer	1.00
IN126A	D	HU	60	.850 @ 50V	50	Ge; Gen. purp.	2.75	G01	E	TI	100	.50 @ 100V	125	Si; Gen. purp.	.95
IN137A	A	HOF	36	.03 @ 20V	21	Ge; Gen. purp.	2.75	G02	E	TI	50	.25 @ 50V	50	Si; Gen. purp.	.73
IN138A	A	HOF	18	.01 @ 10V	35	Ge; Gen. purp.	2.75	G129	E	TI	Reference range: 504-616V.		Si; Reference	1.30	
IN147A	J	PHI	2	Frequency, 900-1000 mc		Ge; Mixer UHF	.96	G130	E	TI	Reference range: 576-704V.		Si; Reference	1.30	
IN191	D	HU	Computer—recovers to 50K in 0.5 sec.				.58	G222	E	TI	100	1.0 @ 100V	125	Si; Gen. purp.	.75
IN192	D	HU	170	20 @ 50V	30	Ge; Switch	.53	G296	E	TI	200	1.0 @ 200V	250	Si; Gen. purp.	.59
IN198	D	HU	80	.25 @ 50V	5	Ge; Gen. purp.	.51	HD21 20	D	HU	75	.5 @ 50V	5	Si; Gen. purp.	.89
IN200	D	HU	80	100 @ 50V	80	Ge; Gen. purp.	.50	HD21 25	D	HU	130	.05 @ 50V	3	Si; Gen. purp.	.64
IN273	D	HU	35	.02 @ 20V	100	Ge; Quick recovery	.68	HD21 35	D	HU	75	.1 @ 50V	5	Si; Gen. purp.	.85
IN279	D	HU	35	.02 @ 20V	100	Ge; Quick recovery	.71	HD21 55	D	HU	60	.50 @ 50V	50	Ge; Point Contact	3.00
IN294	D	SYL	60	10 @ 10V	50	Ge; Gen. purp.	.34	TI-2	E	TI	40	.025 @ 10V	50	Si; Switching	1.68
								TI-6	E	TI	20	1.0 @ 10V	10	Si; Switching	

INTERNATIONAL RECTIFIER DIODE ASSORTMENTS

20-Piece Assortment. A handy assortment containing 5 each of the 4 most popular germanium diodes used in today's radio and TV sets. An ideal diode assortment for including in the radio and TV serviceman's tube caddy. Includes 5 each of Types 1N34A, 1N60, 1N64 and 1N295. Offered at a special assortment savings price of \$5.95, these diodes would actually cost \$7.10 if purchased separately. Units are supplied in a convenient storage box. Shpg. wt., 2 lbs.
 54 E 400..... NET 5.95

28-Piece Assortment with Cross Reference Chart. All-purpose germanium diode assortment includes 12 different ratings to cover the entire radio, TV and audio replacement market. Includes 5 each of the 4 popular types mentioned in assortment above, 1N34A, 1N60, 1N64 and 1N295, plus one each of the following Types: 1N48, 1N82A, 1N67A, 1N87A, 1N294, 1N541, 1N542 and 1N636. Also included is a complete cross reference for making quick and easy substitutions. Offered at a special assortment price of \$9.95, these diodes would cost a total of \$11.30 if purchased separately. Supplied in box. Shpg. wt., 3 lbs.
 54 E 401..... NET 9.95

PHILCO GERMANIUM TUNNEL DIODES

G Quality germanium tunnel diodes for use in a variety of applications. All have forward voltage of 475 millivolts; peak point voltage of 55 millivolts; valley voltage of 320 millivolts; storage temperature of -65° to 100° C. Minimum peak to valley point current ratio: 1N3560/T1925, 5; 1N3561/1975, 8; 1N3562/T1976, 6. Av. shgp. wt., 2 oz.

Mfr's Type	I _p	Ma	Neg. Resistance	Series Resistance	NET EACH
1N3560/T1925	1.0	-	-120 ohms	1.5 ohms	4.75
1N3561/T1975	1.0	-	-120 ohms	1.5 ohms	4.75
1N3562/T1976	5.0	-	-25 ohms	0.7 ohms	3.95

G.E. TUNNEL DIODE MANUAL

A highly comprehensive guide to the important field of tunnel diodes. Clearly and concisely explains tunnel diode theory and ratings. Includes specific tunnel diode applications and test circuits. Profusely illustrated. 90 pages. Size, 5½x8½".
 39 K 573. Postpaid in U.S.A..... 1.00

HOFFMAN ECONOMY ZENER DIODES

A High-quality, low-cost zener diodes. All are rated 150 milliwatts at 25° C; derate 1 milliwatt/degree C above 25° C. Maximum operating temperature rating is 100° C. Shpg. wt. 2 oz.

Mfr's Type	PIV	I _m r @ 25° C	I _{wd}	V _z Min.	NET EACH
HB-1	6.8	.005 @ 3.5V	17.0	7.5	
HB-2	18	.005 @ 10V	5.0	20	
HB-3	36	.010 @ 20V	2.7	40	
HB-4	68	.020 @ 39V	0.9	75	.44
HB-5	150	.040 @ 82V	3.0	170	
HB-6	170	.075 @ 150V	1.5	300	

TEXAS INSTRUMENT ZENER DIODES

H Have max. power dissipation (P_d) of 400 mw @ 25° C; I_o of 230 ma @ 25° C. Op. temp. range, -65° to +175° C. Tol., ±10%. 2 oz.

Type No.	Description	Dynamic Zener Imp. (Z _d)	NET EACH
1N703	3.0-3.9 v. breakdown	55 ohms	
1N704	3.7-4.5 v. breakdown	45 ohms	
1N705	4.3-5.4 v. breakdown	35 ohms	2.60
1N706	5.2-6.4 v. breakdown	20 ohms	
1N707	6.2-8.0 v. breakdown	20 ohms	

INTERNATIONAL RECTIFIER EXPERIMENTERS' ZENER KIT

Kit includes 12 zeners with ratings of from 5 through 30 volts and from ¼ to 10 watts. For labs, schools, home experimenters, etc. Have many applications in industrial electronics, instrumentation, meter and speaker protection. Shpg. wt., 1 lb.
 54 E 402..... NET 9.50

SILICON ZENER DIODE HANDBOOK

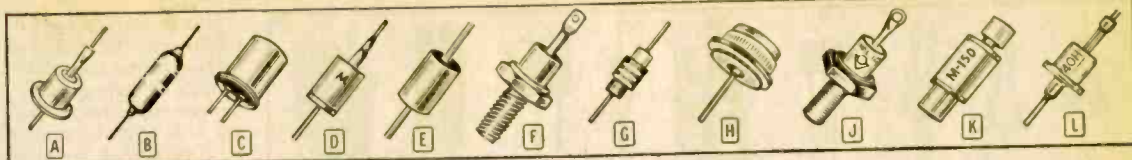
By Motorola. A fully illustrated guide to basic theory, design characteristics and applications. 182 pages. Size, 5½x8½".
 39 K 574. Postpaid in U.S.A..... 2.00

ZENER SLIDE-RULE CALCULATOR

Makes calculations associated with Motorola zeners. 5x12½". 3 oz.
 39 K 071..... NET EACH 1.00

General Purpose Silicon Rectifiers

MAKE ALLIED YOUR HEADQUARTERS FOR SEMICONDUCTORS



GENERAL PURPOSE SILICON RECTIFIERS

A selection of general purpose silicon rectifiers for the hobbyist, experimenter, serviceman and radio Amateur. These units cover the entire range of popular voltage and current values. All are products of leading component manufacturers and incorporate the highest standards of quality, reliability and consistency of specification. They are equally suitable for inclusion into newly designed original equipment, or for replacement use in existing electronic devices. Can also be used to convert vacuum tube power supplies into modern, cool-running silicon

rectifier power units. Explanations of column heads and symbols in table below. PIV, peak inverse voltage. I_o (Ma) @ $^{\circ}C$, maximum average rectified forward current in milliamperes at the ambient temperature specified. I_{mr} (Ma) @ $^{\circ}C$, maximum reverse current in milliamperes at the ambient temperature specified. I_{sur} (A) @ $25^{\circ}C$, maximum surge-current rating in amperes at the ambient temperature of $25^{\circ}C$. *Miniature type. \dagger In microamperes. Av, shpg. wt., 2 oz. Be sure to specify Manufacturer and Type No. on rectifier orders.

Type No.	Flg.	Manu- facturer	PIV Volts	I_o (Ma) @ $^{\circ}C$	I_{mr} (Ma) @ $^{\circ}C$	I_{sur} (A) @ $25^{\circ}C$	NET EACH
IN91	A	GE	100	150 55°	1.4 55°	25	.85
IN92	A	GE	200	100 55°	.95 55°	25	1.95
IN93	A	GE	300	75 55°	.60 55°	25	2.70
IN234	F	SVL	100	1000 135°	.10 150°	15	1.19
IN234	F	SVL	200	400 135°	.10 150°	15	1.25
IN255	F	SVL	400	400 135°	.15 150°	15	1.97
IN256	F	SVL	600	400 135°	.25 150°	15	2.85
IN440B	A	TI	100	750 50°	.30 25°	15	.62
IN441B	A	TI	200	750 50°	.75 25°	15	.65
IN442B	A	TI	300	750 50°	.001 25°	15	.74
IN443B	A	TI	400	750 50°	1.5 25°	15	1.05
IN444B	A	TI	500	650 50°	1.8 25°	15	1.37
IN445B	A	TI	600	650 50°	.002 25°	15	.53
IN536	A	GE	100	750 50°	.40 150°	15	.60
IN537	A	GE	100	750 50°	.40 150°	15	1.57
IN538	A	RCA	200	750 25°	.30 150°	15	.64
IN539	A	RCA	300	750 25°	.30 150°	15	.86
IN540	A	RCA	400	750 25°	.30 150°	15	.99
IN547	A	RCA	600	750 50°	.35 150°	15	1.57
IN576A	B	GE	380	400 55°	.15 150°	10	1.00
IN584	B	GE	380	400 55°	.025 25°	10	.26
IN599	A	TI	50	400 50°	.025 25°	10	.69
IN600	A	TI	100	400 50°	.025 25°	10	2.94
IN601	A	TI	200	400 50°	.025 25°	10	.79
IN602	A	TI	300	400 50°	.025 25°	10	1.03
IN603	A	TI	300	400 50°	.025 25°	10	1.40
IN604	A	TI	400	400 50°	.025 25°	10	1.48
IN605	A	TI	500	400 50°	.025 25°	10	1.67
IN606	A	TI	600	400 50°	.025 25°	10	.86
IN607	A	TI	50	1000 50°	.025 25°	10	.89
IN608	A	TI	100	1000 50°	.025 25°	10	2.10
IN609	A	TI	150	1000 50°	.025 25°	10	1.19
IN610	A	TI	200	1000 50°	.025 25°	10	2.78
IN611	A	TI	300	1000 50°	.025 25°	10	1.48
IN612	A	TI	400	1000 50°	.025 25°	10	2.86
IN613	A	TI	500	1000 50°	.025 25°	10	2.12
IN614	A	TI	600	1000 50°	.201 25°	10	2.72
IN645	B	TI	225	400 25°	.201 25°	10	3.40
IN646	B	TI	300	400 25°	.201 25°	10	4.12
IN647	B	TI	400	400 25°	.201 25°	10	4.80
IN648	B	TI	500	400 25°	.201 25°	10	1.83
IN649	B	TI	600	400 25°	.201 25°	10	1.65
IN1095	A	MOT	500	750 50°	.30 150°	30	3.00
IN1096	A	MOT	600	750 50°	.30 150°	30	3.00
IN1199	J	IR	50	1200 150°	10 190°	200	3.60
IN1200	J	IR	100	1200 150°	10 190°	200	5.15
IN1202	J	IR	200	1200 150°	5 190°	325	2.75
IN1341	J	IR	50	600 150°	10 190°	150	3.25
IN1342	J	IR	100	600 150°	10 190°	150	4.50
IN1344	J	IR	200	600 150°	10 190°	150	6.0
IN1487	A	GE	100	750 25°	.40 125°	15	.68
IN1488	A	GE	200	750 25°	.30 125°	15	.98
IN1489	A	GE	300	750 25°	.30 125°	15	.98
IN1490	A	GE	400	750 25°	.30 125°	15	.98
IN1491	A	GE	500	750 25°	.30 125°	15	1.43
IN1492	A	GE	600	750 25°	.30 125°	15	1.35
IN1563A	C	MOT	100	1500 25°	.15 150°	70	2.10
IN1564A	C	MOT	200	1500 25°	.15 150°	70	2.25
IN1565A	C	MOT	300	1500 25°	.15 150°	70	2.80
IN1566A	C	MOT	400	1500 25°	.15 150°	70	.59
IN1692	A	GE	100	600 50°	.50 100°	20	.63
IN1693	A	GE	200	600 50°	.50 100°	20	.96
IN1694	A	GE	300	600 50°	.50 100°	20	1.41
IN1695	A	GE	400	600 50°	.50 100°	20	.83
IN1696	A	GE	500	600 50°	.50 100°	20	.94
IN1697	A	GE	600	500 100°	.10 25°	10	.83
IN1763	A	RCA	400	500 100°	.10 25°	10	.94
IN1764	A	RCA	500	500 100°	.10 25°	10	.94

SARKES TARZIAN MINIATURIZED SILICON RECTIFIERS

K Type M500. Clip-in silicon rectifier for TV replacement and miniaturization uses. Lower voltage drop (only 2 volts), provides increased B+, greater drive and sweep, more anode voltage on set's CRT. Maximum ratings: AC input, 130 volts; peak inverse voltage, 400 volts; DC maximum current, 500 ma; peak current, 5000 ma. Shpg. wt., 4 oz. Specify manufacturer's name and Type No. on order. NET EACH 1.40 1-9. NET EACH 1.48 10-49.

K Type M150. Similar to Type M500 silicon rectifier above, but has a maximum DC rating of 150 ma. Replaces Types 65 and 75 listed elsewhere in this section. AC input is 130 volts; PIV is 360 volts. Shpg. wt., 4 oz. Specify manufacturer's name and Type No. on order. NET EACH .85 1-9. NET EACH .89 10-49.

M500 Conversion Kit. (Not illus.) For TV sets or other electronic equipment using full-wave vacuum tube rectifiers. Permits easy conversion to silicon rectifiers for higher operating efficiency, cooler operation, less frequent breakdowns and easier future replacement. Rectifiers clip in or out like fuses. Kit includes 2—M500 silicon rectifiers, dual mounting clip and hardware. $\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$. Shpg. wt., 6 oz. NET 2.80 4 A 699.

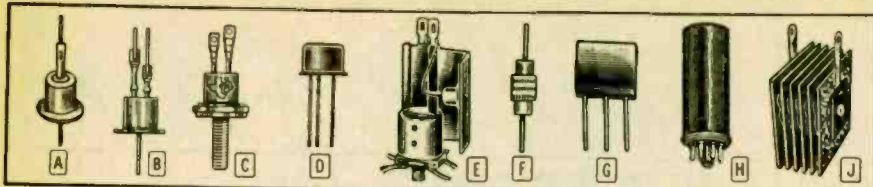
M150 Replacement Kit. Consists of an M150 silicon rectifier (described above), one clip and one 10-ohm, 1-watt resistor. Wt., 4 oz. NET .95 4 A 629. NET 1.12 10-49.

4 A 669. Single Mounting Clip. $\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$. Wt., 2 oz. NET .12

4 A 670. Dual Mounting Clip. $\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$. Shpg. wt., 4 oz. NET .24

Specify Manufacturer's Name and Type No. on all Semiconductor Orders

ALLIED STOCKS OVER 4700 SEMICONDUCTOR TYPES



Allied constantly maintains the world's largest, most complete stocks of top-quality semiconductor. We are able to make same-day shipment to you upon receipt of your order.

EXPLANATION OF ABBREVIATIONS AND COLUMN HEADINGS

P_{IV}, peak inverse voltage. Max. I_{pc}, maximum surge current, 1 second at -25°C to +150°C. I_{GT}, gate current required to turn device on at 25°C with test specifications: 2000 ohm load resistance, 50 volt anode bias, and 1000 ohm gate shunt resistance. V_{F(on)}, forward voltage in the "off" condition at -125°C measured with a 1000 ohm external shunt.

resistance between cathode and gate. I_o, maximum average rectified forward current. B_VF, forward breakover voltage in the "off" condition with a specified value of R_G (μm), typical capacity in the microfarads. I_{wd}, minimum forward current. I_{mr}, maximum reverse current. P_{RV}, peak reverse voltage. RMS, root mean square value of voltage.

NEW G.E. GE-504 UNIVERSAL RECTIFIER

A silicon rectifier with a 45-amp surge rating. Recommended as a replacement for all selenium, germanium and silicon rectifiers used in TV receivers. The 45-amp surge rating eliminates the need for the surge limiting resistors normally required when silicon rectifiers are used. P_{IV} is 400 volts; max I_{pc}, 750 ma. Shpg. wt., 2 oz. 4 E 000. 1 to 99, EACH 1.00

TI SILICON CONTROLLED RECTIFIERS

Economy priced silicon controlled rectifiers by Texas Instrument. Lowest priced 400 volt devices. All are PNP 4-layer (3-junction) solid state thyatron units. All have I_{GT} of 50 ma. All diffusion process insures utmost reliability in critical applications. Av. shpg. wt., 2 oz.

Mfr's Type	Fig.	V _{F(on)} PIV	I _o @ 60° C.	B _V F @ 100° C.	NET EACH
TI-40A0	C	50V	3A	60V	4.80
TI-40A1	C	100V	3A	120V	5.10
TI-40A2	C	200V	3A	240V	7.25
TI-40A3	C	300V	3A	360V	7.25
TI-40A4	C	400V	3A	480V	10.55
TI-140A0	B	50V	750 ma	60V	4.80
TI-140A1	B	100V	750 ma	120V	5.10
TI-140A2	B	200V	750 ma	240V	7.25
TI-140A3	B	300V	750 ma	360V	7.25
TI-140A4	B	400V	750 ma	480V	10.55
TI-145A0	D	50V	3A	60V	4.80
TI-145A1	D	100V	3A	120V	5.10
TI-145A2	D	200V	3A	240V	7.25
TI-145A3	D	300V	3A	360V	8.85
TI-145A4	D	400V	3A	480V	10.55

G.E. CONTROLLED RECTIFIER MANUAL

Up-to-the-minute manual by General Electric includes theory of operation, ratings, applications and specifications of controlled rectifiers. Clearly illustrated. 352 pages. Size, 5 1/2 x 8 1/2". 39 K 086. Postpaid in U.S.A. 1.50

G.E. GERMANIUM TV RECTIFIERS

Germanium TV power rectifiers for low-voltage power supplies. Feature compact size, increased output, long life, easy installation. Extremely low voltage drop. Types 1N1008 and 1N1016 have single hole mounting; Type 1N1024 requires 3 mtg. holes. All half-wave except *dual rectifier—wired for voltage-doubler applications. Shpg. wt., 3 oz.

Mfr's Type	RMS Volts	PIV	Max. DC Ma	Voltage Drop	NET EA.
1N1008	130	380	400	.3	1.50
1N1016*	130	380	400	.3	3.00
1N1024	130	380	400	0.15	1.50

PACIFIC SEMICONDUCTOR "VARICAPS"

Silicon PN junction device permits varying circuit capacitance through control of bias voltage. Max. size: .265x.140" dia. 2 oz.

Mfr's Type	C (μf)		Q		PIV (V)	NET EACH
	@ 4V	Range	Min.	Type		
V7	7	3.0-18	13	18	25	3.05
V10	10	4.3-26	13	18	25	3.05
V12E	12	2.7-31.0	4.0	6.5	100	3.05
V15	15	6.5-39.0	13	18	25	3.05
V20	20	10-50	7.0	18.7	20	2.75
V27	27	14-70	7.0	15.7	20	2.75
V33	33	17-85	7.0	14.6	20	2.75
V39	39	20-100	7.0	15.1	20	2.75
V47	47	24-120	7.0	15.4	20	2.75
V56	56	32-145	7.0	13.5	15	2.75
V68	68	39-175	9.0	14.0	15	3.05
V82	82	47-210	8.0	13.0	15	3.05
V100	100	57-260	8.0	11.0	15	3.05

G.E. SEMICONDUCTOR REPLACEMENT KIT



Model K-915. Convenient kit covers a majority of entertainment-type semiconductor replacement needs—an ideal aid for radio and TV servicemen. Contains 23 units of service-designed semiconductors including 5 universal transistors, 4 silicon rectifiers, 7 crystal diodes, 5 dual diodes, and 2 power transistors. Units are housed in a sturdy cabinet with 15 clearly labeled drawers—very unit layout w/1 in handy reach. Cabinet size, 8 1/2 x 12 1/2 x 9". Shpg. wt., 4 lbs. 4 E 001. List, \$38.20. NET 19.99

SELENIUM DUAL DIODE RECTIFIERS

GENERAL ELECTRIC VAC-U-SEL DOUBLE DIODES

G Miniature double diodes for TV horizontal phase detector, replacement and other applications. 2 1/2 x 3/16 x 3/16". Shpg. wt., 2 oz.

Type No.	I _{wd}	I _{mr}	Description	Max. Case Temp.	NET EACH
6GC1	1.1 @ 2.5V	4 @ 20V	Common cathode	85° C	.54
6GD1	1.1 @ 2.5V	4 @ 20V	Series connected	85° C	
6GX1	1.1 @ 2.5V	4 @ 20V	Common anode	85° C	

INTERNATIONAL RESISTANCE DUAL DIODES

G Highly stable selenium dual diodes. Exact replacement units in many TV sets. Maximum case temperature, 85°C. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	PIV	Max. Voltage	Description	NET EA.
7 E 752	D4	47	33 @ 25° C.	Common cathode	.59
7 E 753	D5	47	33 @ 25° C.	Series connected	.42
7 E 754	D6	47	33 @ 25° C.	Common anode	.42

G.E. RECTIFIER SELECTION CHART

Handy slide rule picks optimum rectifier for your needs. When average forward current is set against max. P_{RV} and ambient temperature, rule indicates proper rectifier. Shpg. wt., 4 oz. 52 E 563. NET 1.00

SARKES TARZIAN RECTIFIER BOOK

By Sarkes Tarzian engineers. Chapters include: Theory of Semiconductors; Rectifier Characteristics; Typical Rectifier Circuits; Rectifier and Filter Circuit Design. 62 pages. Size, 5 1/2 x 8 1/2". 39 K 291. Postpaid in U.S.A. 1.00

SARKES-TARZIAN TUBE-REPLACEMENT RECTIFIERS

H Silicon rectifier plug-ins for direct replacement of vacuum tubes. Feature long life, cool operation and high efficiency. Max. ambient temp., 100°C. Max. rms voltage 1100 v. for all types except S-5019, 1950 v.; S-5033, 3200 v.; S-5130, 7400 v.; S-5343, 5000 v. Sizes (above chassis): S-5011A, S-5017, S-5018, 2 1/2 x 1 1/2" dia.; S-5019, S-5033, 2 1/2 x 1 1/2" dia.; S-5130, 4 7/8 x 1 1/2" dia.; S-5207, 1 1/2 x 1 1/2" dia.; S-5251, 1 1/2 x 1 1/2" dia.; S-5343, 3 1/2 x 1 1/2" dia.; S-5347, 2 x 4" dia. Av. shpg. wt., 4 oz. Specify Manufacturer and Type No. on order.

Mfr's Type	JEDEC No.	PIV	DC Ma	DC Ma	Size	Net Each
S-5011A	1N1150	1600	750	80, 82, 83, 83V, 523		12.87
S-5017	1N1237	1600	750	024, 544, 574, 6AX5, 6X5		12.87
S-5018	1N1238	1600	750	5AU4, 5A24, 5U4, 5W4, 5931, 6087, 6106		12.87
S-5019	1N1239	2800	500	5R4		20.25
S-5033	1N1262	4500	250	6AU4, 6AX4, 6BL4, 6U4, 6W4, 12AX4		20.25
S-5130		10,400	300	866, 866A, 3B28		28.86
S-5207	1N2490	1600	500	6X4, 6063, 6202		12.87
S-5251	1N2369	1600	600	5AU4, 5AW4, 5A24, 5U4, 5W4, 5Y3		6.04
S-5343		7000	300	816, 836, 3B28, 866 (ST4)		20.24
S-5347		1600	500	6BW4, 12BW4		12.87

SARKES-TARZIAN SELENIUM RECTIFIER STACKS

J Widely used as replacements in radio and TV sets, etc. Supply plate, filament and bias voltages directly from power line or from transformer. Maximum RMS input volts, 130. Maximum peak inverse voltage, 380. Approximate internal drop, 5 volts. Av. shpg. wt., 5 oz.

"CENTRE-KOOLED" STACKS

Stock No.	Mfr's Type	DC Ma	Size	NET EACH		
				1-4	5-49	50-Up
4 E 631	50	50	1 1/2 x 1 1/2 x 1 1/2"	.56	.51	.46
4 E 616	65	65	1 x 1 x 1 1/2"	.74	.67	.60
4 E 617	75	75	1 x 1 x 1 1/2"	.80	.73	.65
4 E 618	100	100	1 1/2 x 1 1/2 x 1 1/2"	.92	.84	.74
4 E 620	150	150	1 1/2 x 1 1/2 x 1 1/2"	1.01	.92	.82
4 E 621	200	200	1 1/2 x 1 1/2 x 1 1/2"	1.25	1.13	1.01
4 E 622	250	250	1 1/2 x 1 1/2 x 1 1/2"	1.26	1.16	1.03
4 E 623	300	300	1 1/2 x 1 1/2 x 1 1/2"	1.31	1.20	1.06
4 E 627	400	400	2 x 2 x 1 1/2"	1.66	1.51	1.44
4 E 625	500	500	2 x 2 x 1 1/2"	1.72	1.57	1.39

CONDENSED RECTIFIER STACKS

J RMS volts, PIV, and internal drop same as above. Av. wt., 5 oz.

Stock No.	Mfr's Type	DC Ma	Size	NET EACH		
				1-4	5-49	50-Up
4 E 595	50-75	50-75	1 1/2 x 1 1/2 x 2 1/2"	.48	.43	.39
4 E 596	100-150	100-150	1 1/2 x 1 1/2 x 2 1/2"	1.07	.96	.86
4 E 597	200-250	200-250	1 1/2 x 1 1/2 x 1 1/2"	1.07	.96	.86
4 E 598	300-500	300-500	1 1/2 x 1 1/2 x 1 1/2"	1.31	1.18	1.06

Selenium Rectifiers, Thermistors, Ballasts

INTERNATIONAL RECTIFIER SELENIUM RECTIFIER STACKS

High current density selenium rectifiers with low forward drop and high inverse voltage ratings. All are bridge connected except that J14C04, J14C1, J14C5 and J14C8 have center-tapped common cathode, and JD-4346B has a center-tapped common anode. All battery charger types are single-plate for trickle chargers, except JD4346B, which is a universal fast-charger replacement. *Rated 100 amps when fan cooled at 800 linear ft./min. Av. shpg. wt., 12 oz.



HIGH-DENSITY POWER RECTIFIERS						
Stock No.	Mfr's Type	Max. AC Input Volts	DC Output Volts	Amps	Size	NET EACH
4 E 834	J14C04	36	14	0.4	1x1x1 1/2"	.95
4 E 835	J14C1	36	14	1.5	1 1/2 x 1 1/2 x 1 1/2"	1.39
4 E 987	J14C5	36	14	4.8	3x3x1 1/2"	3.48
4 E 988	J14C8	36	14	8.4	4x4x1 1/2"	4.89
4 E 836	J29B04	36	29	0.4	1x1x1 1/2"	1.57
4 E 837	J29B1	36	29	1.5	1 1/2 x 1 1/2 x 1 1/2"	2.28
4 E 838	J29B5	36	29	4.8	3x3x2 1/2"	6.43
4 E 839	J29B8	36	29	8.4	4x4x2 1/2"	8.93
4 E 840	J58B08	72	58	0.4	1x1x2 1/2"	3.11
4 E 841	J58B1	72	58	1.5	1 1/2 x 1 1/2 x 2 1/2"	4.49
4 E 842	J58B5	72	58	4.8	3x3x3 1/2"	12.08
4 E 843	J58B8	72	58	8.4	4x4x4 1/2"	16.75
4 E 989	J116B04	144	116	0.4	1x1x3 1/2"	5.56
4 E 989	J116B1	144	116	1.5	1 1/2 x 1 1/2 x 3 1/2"	8.15
4 E 845	J116B5	144	116	4.8	3x3x7 1/2"	22.91
4 E 846	J116B8	144	116	8.4	4x4x7 1/2"	32.09
4 E 847	J135B04	180	135	0.4	1x1x4 1/2"	6.77
4 E 848	J135B1	180	135	1.5	1 1/2 x 1 1/2 x 4 1/2"	9.93
4 E 849	J135B5	180	135	4.8	3x3x8 1/2"	28.29
4 E 986	J135B8	180	135	8.4	4x4x8 1/2"	39.71

BATTERY CHARGING TYPES

Stock No.	Mfr's Type	DC Output Volts	AC Input Volts	Amps	Size	Wt., Lbs.	NET EACH
4 E 748	JD-4346B	0-13	*30	16.5/33	6x5x4 1/2"	3	16.75
4 E 748	JD-116K	0-13	2.7	16.5	3x3x3	2	1.20
4 E 799	JD-117K	0-13	2.7	16.5	4x4x4	2	1.80
4 E 749	JD-241K	0-13	6.0	16.5	6x5x5	2	2.46

LOW VOLTAGE TYPES

Miniature selenium rectifiers for small power applications where relatively low voltage is required. Ideal for use in bias supplies, DC filament supplies, solenoid and relay power supplies, battery chargers, 2 and 6-volt battery chargers, trickle battery chargers, etc. Suffix "H" in type number indicates single plate, half wave type; suffix "B" in type number indicates full wave, bridge type rectifier. "H" units are rated for minimum resistive loads shown in table below. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Max. DC Ma.	Max. Rms Volts	Min. Series Load Ohms	Size	NET EACH
4E822	Q1H	65	25	47	3/4x3/4x7/8"	.36
4E823	A1H	150	25	22	1x1x3/4"	.38
4E824	B1H	150	25	15	1 1/2 x 1 1/2 x 7/8"	.40
4E825	C1H	250	25	5	1 1/2 x 1 1/2 x 1"	.42
4E826	M1H	500	25	5	2x2x3/4"	.56
4E827	Q1B	100	25	.....	3/4x3/4x3/4"	.84
4E828	Q4B	100	130	.....	3/4x3/4x1 1/2"	1.56
4E829	B1B	180	25	.....	1x1x3/4"	1.22
4E830	A1B	300	25	.....	1 1/2 x 1 1/2 x 3/4"	1.28
4E831	C1B	600	25	.....	1 1/2 x 1 1/2 x 1"	1.46
4E832	M1B	1200	25	.....	2x2x3/4"	1.72

I.T.T. SELENIUM RECTIFIER STACKS MINIATURE TYPES

Fully miniaturized selenium rectifiers for limited space applications. Types 1016 and 1017 are bridge-connected types. Internal voltage drops: Types 1001, 1013, 1512—1.2 volts; Types 1016, 1017—2.4 volts; Types 1002A, 1003A, 1004A, 1005A, 1101A, 1159—7 volts; Types 1007, 1014—9 volts. Type 1013 is excellent for charging small 2 and 6-volt batteries, such as those used in electronic photoflash equipment. Type 1512 is for trickle charging 6-volt auto batteries. *1159 is ultra-compact tubular rectifier enclosed in paper tube; has 1 1/2 leads. †RMS indicates max. input voltage. All have locking lug. Av. shpg. wt., 5 oz.



Stock No.	Type	DC Ma	†RMS	Size	NET EACH
4 E 662	1159	20	130	*1/2" dia. x 3/4"	.65
4 E 606	1002A	65	130	1x1x3/4"	.64
4 E 602	1003A	75	130	1x1x3/4"	.71
4 E 668	1001	75	20	1x1x3/4"	.44
4 E 913	1007	75	160	1x1x2 1/2"	2.32
4 E 915	1014	100	160	1 1/2 x 1 1/2 x 1"	1.59
4 E 600	1004A	100	130	1 1/2 x 1 1/2 x 3/4"	.79
4 E 661	1101A	100	130	1x1x1 1/2"	.94
4 E 603	1005A	150	130	1 1/2 x 1 1/2 x 1"	.94
4 E 604	1013	450	18	1 1/2 x 1 1/2 x 3/4"	.73
4 E 660	1016	300	25	1 1/2 x 1 1/2 x 3/4"	1.35
4 E 666	1017	300	25	1 1/2 x 1 1/2 x 3/4"	1.56
4 E 664	1512	1800	26	2 1/2 x 2 1/2 x 3/4"	2.20

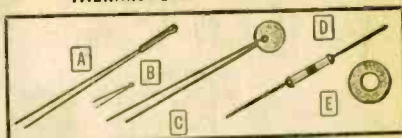
COMPACT HI-DENSITY TYPES

Feature high current capacity; extremely compact size. Eliminate installation problems where space is limited. Maximum rms input. All have locking lugs. Individually boxed. Av. shpg. wt., 4 oz.

Stock No.	Type	DC Ma	Size	NET EA.
4 E 918	1234A-H	65-75	1 1/2 x 1 1/2 x 2 1/2"	.59
4 E 919	1235A-H	100-150	1x1x3/4"	.68
4 E 677	1237A-H	300-500	1 1/2 x 1 1/2 x 1 1/2"	1.29

FENWAL ELECTRONICS THERMISTORS, KITS THERMISTORS

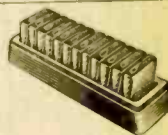
Thermal resistors—resistors with high negative temperature coefficients. For temperature measurement, compensation and control, liquid level measurement, etc.



Have unlimited life under normal operating conditions. Bead types are glass-coated—useful for insertion probes, UHF power measurements, etc. Washer types are 1/4" dia.; have mtg. hole. Disc with leads and rod types may be used at temperatures to 125° C.; bead types to 300° C. *Resistance ratio 0° C.: 50° C. Av. shpg. wt., 2 oz.

Stock No.	Type No.	Fig.	Style	Ohms @25°C.	RR*	1-9, EACH	10-24, EACH
9 E 909	GA51J1†	A	Bead	100,000	10.3:1	2.70	2.16
9 E 910	GA51P2†	A	Bead	100,000	10.3:1	2.00	1.60
9 E 911	GB32J2‡	B	Bead	2000	7.3:1	2.70	2.16
10 E 097	GB32P2‡	B	Probe	2000	7.3:1	2.00	1.60
54 E 172	GC32L3	B	Bead	2000	5.7:1	3.50	2.80
9 E 914	KA31L1	C	Disc	1000	9.1:1	.85	.68
9 E 915	LB21J1	C	Disc	100	6.9:1	.85	.68
9 E 916	GA51J1	D	Rod	100,000	9.1:1	1.25	1.00
9 E 917	RB33L1	D	Rod	3150	7.1:1	1.20	.96
9 E 918	R341L1	D	Rod	10,000	7.1:1	1.35	1.08
9 E 919	WA21W1	E	Washer	100	9.1:1	1.25	1.00
9 E 925	WB1W1	E	Washer	10	6.9:1	1.25	1.00

THERMISTOR KITS



Model G-200. Contains all 12 of above thermistors for use in circuit design, experimental work, etc. Each thermistor is packed with a complete set of curves and data. 10 oz. NET 19.95

G-701. (Not illus.) Basic thermistor kit includes 4 glass beads and 6 probes in a wide range of resistance values for all applications. With application manual and data and curve computer. Shpg. wt., 10 oz. NET 9.95

G-700. (Not illus.) Economy thermistor kit. Includes 2 glass beads and 2 probes for a variety of basic applications. With thermistor application manual, and data and curve computer. Shpg. wt., 10 oz. NET 4.95

FENWALL THERMISTOR COMPUTER-MANUAL COMBINATION

Complete information kit covering thermistor applications. Includes thermistor manual, computer, curves, etc. Shpg. wt., 8 oz. 9 E 877..... No charge with your next order

JFD BALLASTS

Quality TV, adjustable and step-down ballasts. Types 17A470303 and 17A485459 are keyed octal plug-in units for AC-DC TV sets. No. 9 E 886 is an 8-prong adjustable plug-in type that replaces ballast types beginning with K, L, M, BK, BL, BM having numbers 45 through 105 and ending with letters A, B, C, D, F, G, H, S, 1, 2 or 3. All have perforated shells for maximum dissipation and radiation of heat. Have large insulating surfaces. Av. shpg. wt., 6 oz.



Stock No.	Type	For	Stock No.	Type	For	EACH
9 E 860	17A470303	Motorola	9 E 886	.....	Adjustable	2.94
9 E 861	17A485459	Motorola				

CLAROSTAT UNIVERSAL RESISTOR TUBES

Clarostat resistor tubes for voltage-reducing applications. For replacement of all AC-DC tubes beginning with letters BK, BL, K, L and M; and corresponding numbers and letters given below. Order tubes according to letter and numeral designation of tube being replaced. For example, to replace a BK-23-A tube, or an M-55-D tube, the Clarostat Type 23-55-A would be used, etc. Shpg. wt., 6 oz.



Stock No.	Mfr's Type	Tube Numers From:	Ending in Letter:	NET EACH
9 E 853	23-55-A	23 to 55	A, B, C, D	1.91
9 E 855	23-55-F	23 to 55	F, G, H	

CONSOLIDATED AC-DC RESISTANCE LINE CORDS

Heavily insulated resistance line cords. Supply proper filament voltage for tubes wired in series across 115 v. lines, 135 and 160-ohm cords can also be used for 1-lamp, or use with 3-watt fluorescent light units. All have color-coded tinned leads. Variations of ±10% in resistance are permissible. Choose given resistance value nearest that desired. Av. shpg. wt., 6 oz.



Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
49 T 522	2401	135	.71	49 T 511	2407	350	.71
49 T 520	2402	160		49 T 510	2406A	390	
49 T 515	2404	290		49 T 525	2414A*	560	
49 T 512	2405	330					
49 T 580	220-110†	Volts Step-Down Cord.	Rated at .2 amps.		1.32		

Photocells, Solar Cells and Sensing Devices



A wide variety of devices for 1) accurately measuring light levels, 2) measuring humidity in the air, 3) using light to control electrical equipment and, 4) converting light energy into electrical power. Photoconductive types are high value resistors whose resistances greatly decrease when light shines on their photosensitive surfaces. Photovoltaic types convert light directly into useable power; can be used for powering transistorized radios, operating relays and battery chargers.

CLAIREX PHOTOCONDUCTIVE CELLS

Variable resistors controlled by light—ideal for automation and control. In hermetically sealed glass enclosures. Have high ratio of light to dark current at low light levels. All have power dissipation of 75 mw @ 25°C, except *500-250 mw (with and without heat sink). 3 oz.

Stock No.	Type No.	Fig.	Sens. Mat.	Encl. (in.)	Pk. Spec. Resp. A	Max. V. Rating	Light Res. Ohms	NET EACH
4E 100	CL402S	A	CdS	.265x1	9150	300	1M	4.00
4E 101	CL403S	A	CdSe	.265x1	7350	300	133K	
4E 102	CL403A	A	CdSe	.265x1	7350	300	75K	
4E 103	CL403AS	A	CdSe	.265x1	7350	300	75K	
4E 104	CL403ASL	A	CdSe	.265x1	7350	60	3.5K	
4E 105	CL404S	A	CdSe	.265x1	6900	300	30K	4.00
4E 106	CL404SL	A	CdSe	.265x1	6900	60	1.5K	
4E 107	CL405-IS	B	CdS	.265x1	5500	300	166K	
4E 108	CL405-ISL	B	CdS	.265x1	5500	60	7.5K	
4E 109	CL407S	A	CdS	.265x1	6150	300	133K	
4E 110	CL504*	B	CdSe	.5x.5	6900	250	1.5K	4.00
4E 111	CL504L*	B	CdSe	.5x.5	6900	60	0.25K	
4E 112	CL505*	B	CdS	.5x.5	5500	250	9K	
4E 113	CL505-1*	A	CdS	.5x.5	5500	250	9K	
4E 114	CL505-1L*	A	CdS	.5x.5	5500	60	1.5K	
4E 115	CL505L*	B	CdS	.5x.5	5500	60	1.5K	4.00
4E 116	CL602	B	CdS	.25x.5	5150	300	1M	
4E 117	CL603	B	CdSe	.25x.5	7350	300	133K	
4E 118	CL603A	B	CdSe	.25x.5	7350	300	75K	
4E 119	CL603AL	B	CdSe	.25x.5	7350	60	3.5K	
4E 120	CL604	B	CdSe	.25x.5	6900	300	30K	4.00
4E 121	CL604L	B	CdSe	.25x.5	6900	60	1.5K	
4E 122	CL605	B	CdS	.25x.5	5500	300	166K	
4E 123	CL605-1	B	CdS	.25x.5	5500	300	166K	
4E 124	CL605-1L	B	CdS	.25x.5	5500	60	7.5K	
4E 125	CL605L	B	CdS	.25x.5	5500	60	7.5K	4.00
4E 126	CL607	B	CdS	.25x.5	6150	300	133K	

SOLAR SYSTEMS SILICON PHOTOCELLS

Photovoltaic, encapsulated light detectors. Ideal for operating relays, control circuits, light sensing. Can be fed directly into low impedance transistor circuits. Provide instantaneous response—20 usec. max. No aging; unaffected by temperature. Plastic case is supplied with terminal pins to plug into octal based socket. Av. wt., 2 oz.

Stock No.	Type No.	Fig.	Min. Output with Matched Load			Size	NET EACH
			Ma	Mv	Mw		
4 E 300	SS-100	C	15.0	400	60.0	1x1x1/4"	6.00
4 E 301	SS-200	D	60.0	400	24.0	1 1/4" dia.	12.00

POLARIS "MAJ-I" PHOTOCCELL

Resistor-type, cadmium sulphide photocell. Res. 200 ohms @ 92.9 ft. candles; 10 meg in total darkness. Max. change 0.2 mcg/sec. Max. power dissipation: 0.2 w @ 40°C; max. v.: 110 v. AC (peak) or DC. Capacity, 6 mmd. 1/2" dia.; 3/8" thick. Shpg. wt., 3 oz. NET 1.97

HOFFMAN PHOTOVOLTAIC READOUT CELLS

Encapsulated silicon cells. Have 0.5x0.08" dia.; 2" leads. Output is measured at 1250 FC; 2800°K; 55°C. Use 1000 ohm load. Dark reverse current is measured at -1 volt bias, 55°C, 1 FC maximum, 10 usec max. response. Peak spectral response, 0.85 microns. Av. wt., 2 oz.

Stock No.	Type No.	Output			Dark Reverse Current	NET EACH
		µA	mV	µW		
4 E 654	EA7E1	300	300		5 µA	8.25
4 E 206	EA7E2	300	300		10 µA	7.50
4 E 655	EA7E3	250	250		10 µA	6.40
4 E 656	EA7E5	200	200		20 µA	5.75

SILICON SOLAR CELLS BY SOLAR SYSTEMS

Convert light into DC power. Instantaneous response—20 usec. max. Peak sensitivity at 0.85 microns. Output measured at 100 mw/cm² of input energy @ 25°C. Unmounted, with 6" leads. Av. thickness, 0.025". 2 oz.

Stock No.	Type No.	Fig.	Min. Output with Matched Load			Size	NET EACH
			Ma	Mv	Mw		
4 E 302	SS-10-4L	G	18.0	400	7.2	.8x.4"	1.95
4 E 303	SS-10-6L	G	27.0	400	10.8	.8x.4"	2.40
4 E 304	SS-10-L	G	36.0	400	14.4	.8x.4"	3.60
4 E 305	SS-11-L	G	12.0	400	4.8	.4x.4"	2.25
4 E 306	SS-12-L	G	5.0	400	2.0	.4x.2"	1.45
4 E 307	SS-20-L	H	12.0	400	4.8	.8x.2"	3.50
4 E 308	SS-21-L	H	5.0	400	2.0	.4x.2"	2.20
4 E 309	SS-22-L	H	2.5	400	1.0	.2x.2"	1.40
4 E 310	SS-23-L	H	1.3	400	0.52	.2x.1"	1.00
4 E 311	SS-30-L	J	60.0	400	24.0	1.125" dia.	7.50
4 E 312	SS-31-L	J	15.0	400	6.0	0.281" dia.	2.25
4 E 313	SS-40-L	K	60.0	400	24.0	.8x.8"	9.50

INTERNATIONAL RECTIFIER EXPERIMENTAL CELLS

A wide variety of top-quality silicon solar cells and selenium photocells for the experimenter and designer. These units can be used to power transistor radios, light meters, small motors, relays, etc. Selenium photocells have a spectral response similar to the human eye, and are used extensively in light meters and other optical devices. Silicon cells have a higher light conversion efficiency, particularly in sunlight, and are the same type of cells used for charging batteries in space satellites. All are mounted in molded plastic cases, except *which has a mounting bracket. In table below, all are silicon cells except *selenium cells. Included with each cell is the highly informative, 24-page Experimenter's Handbook. Av. wt., 3 oz.



Stock No.	Type No.	Fig.	Output		Size	NET EACH
			Volts	Ma		
7 E 876	*1B2M	M	3-4	2	1/2x1/4"	1.50
7 E 877	1B3M	M	3-4	1 1/2-2 1/2	1 1/2x1 1/4x3/8"	1.75
7 E 879	S1M	M	3-4.5	10-16	1 1/2x1 1/4x3/8"	2.25
6 E 494	S3M	M	6-.85	10-16	1 1/2x1 1/4x3/8"	3.95
6 E 495	SSM	M	6-.85	18-25	1 1/2x1 1/4x3/8"	4.95

INTERNATIONAL RECTIFIER CADMIUM SULPHIDE CELL

burglar alarms, etc. Handles 120 v. AC or DC. Power dissipation 200 ma. With 2+page Experimenter's Handbook. 1 1/2x1 1/4x3/8". NET 2.35

HOFFMAN SOLAR CELLS

For converting light to DC power. Output shown is load output measured at 100 mw/cm² solar equivalent radiation from tungsten source at 2800°K, in an ambient temperature of 28°C. Speed of response is 20 microseconds or less. Peak response is at 0.85 microns. Av. wt., 2 oz.

Stock No.	Type No.	Fig.	Load Output			Size	NET EACH
			Ma	Mv	Mw		
4 E 200	2A	N	100	40.0	400	1.125" dia.	7.50
7 E 759	120A	F	34	13.6	400	0.4x0.8"	2.40
4 E 201	110C	F	15	6.8	400	0.4x0.4"	1.90
4 E 202	52C	F	7.5	3.0	400	0.2x0.8"	3.60
4 E 203	51C	F	7.5	3.0	400	0.2x0.4"	2.50
4 E 204	55C	F	3.8	1.5	400	0.2x0.2"	1.50
4 E 205	58C	F	1.8	0.72	400	0.2x0.1"	1.00

TEXAS INSTRUMENTS NPN SILICON DEVICES

Diffused photo-diodes. Hard glass, hermetically sealed cases are set with focused lenses. Leads are gold-plated. Length: 0.600" (max.); dia.: 0.082 ± .003". Dark current is leakage across diode with no incident radiation; light current is measured at 9 mw/cm² incident radiation in 0.7 to 1.0 micron bandwidth, at 25°C and = 10 v. Av. wt., 3 oz.

Type No.	Max. Bias	Dark Current	Light Current	NET EACH
I N 2175	= 50	0.5 µA	200 µA	11.50
H-11	= 50	0.5 µA	60 µA	4.00
H-35	= 50	0.5 µA	90 µA	5.30
H-38	= 50	10.0 µA	200 µA	4.00

HYGROPAK HUMIDITY SENSING ELEMENTS

Utilize special sensitive substances coated on a thin film to measure humidity by electronic means. Highly sensitive to water vapor. Type HA for use in grid circuits to control relays, etc. Type HA-26 for use in bridge circuit with 0.1 ma meter. Both decrease in resistance with humidity increase. Pins spaced 1/8", 3/8" long. Range: between 30% and 100% relative humidity. 1x1 1/4x1/4". Shpg. wt., 4 oz.

Stock No.	Type No.	Description	NET
7 E 746	HA	Under 100K to over 100 megs	3.00
7 E 747	HA-26	50 ohms to 100 ohms	3.00
7 E 748	HA-26	Socket for above	.30

INTERNATIONAL RECTIFIER ECONOMY SOLAR CELL KIT

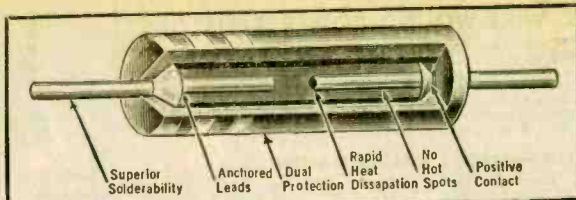
Ideal for students or experimenters—for use at home or in school labs. Includes 3 assorted photo cells with a voltage output of 1/2 to 1 1/2 vlt and a current output of from 250 microamps to 5 millamps in bright sunlight. Supplied in handy plastic box. Wt., 1 1/2 lbs. NET 1.98

INTERNATIONAL RECTIFIER PHOTOCCELL HANDBOOK

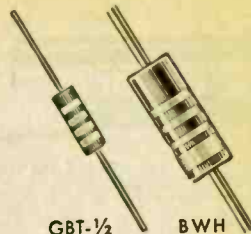
Explains the construction, design and operation of circuits utilizing photocells and solar cells. Includes educational charts, data and information on over 75 light-operated projects. 112 pages. 6x9". 4 E 401. Postpaid in U.S.A. NET 2.00



FREE Color Code Guide with purchase of 20 or more resistors. Specify Stock No. 2M770.



IRC TYPE GBT FIXED CARBON COMPOSITION RESISTORS



GBT-1/2 BWH

Type GBT and SR Fixed Composition. Choose from 10% (Table A) or 5% (Table B) tolerances. Meet or exceed MIL-R-11 specifications. Withstand 50-100% overloads for short periods of time. EIA (RETMA) coded. Sizes: GBT-1/2, 2 1/4 x 3/4"; GBT-1, 1/2 x 3/8"; SR, 1 1/2 x 3/8". Figure after hyphen in Type No. indicates wattage rating. Values may be assorted for quantity price.

New Type BWH 2-Watt Fixed Wire-Wound. Values to 1000 Ohms. Choose from 10% (Table A) or 5% (Table B) tolerances. Rated @ 2-w. to 158°F ambient temp.; 1-w. @ 239°F; and 1/2-w. @ 279°F. Meet MIL-R-11C specs. Small as 1-w. composition. EIA (RETMA) coded; wide first band. Inductance .04-4.5 μh from .24-1000 ohms. Values may be assorted for quantity price.

10% INSULATED GBT, SR AND BWH TYPES

TYPE GBT, SR 10% FIXED COMPOSITION

Stock No.	Type and Wattage	MIL Equiv.	Values See Table "A"	NET EACH	
				1-9	10-99
1 M M 000	GBT-1/2	RC20	10 Ω to 22 megs	.12	.09
1 M M 020	GBT-1	RC32	10 Ω to 22 megs	.18	.11
1 M M 070	SR-2	RC42	10 Ω to 22 megs	.24	.19

NEW TYPE BWH 10% 2-WATT FIXED WIRE-WOUND

Stock No.	Mfr's Type	Values to 1000 Ohms See Table "A"	NET EACH	
			1-9	10-99
1 M M 076	BWH	.27 ohms thru 8.2 ohms	.24	.18
1 M M 077	BWH	10 ohms thru 1000 ohms No values above 1000 ohms	.18	.15

TABLE "A"—10% EIA (RETMA) VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.27	1.2	5.6	27	120	560	2700	12,000	56,000	0.27 meg	1.2 meg	5.6 meg	
0.33	1.5	6.8	33	150	680	3300	15,000	68,000	0.33 meg	1.5 meg	6.8 meg	
0.39	1.8	8.2	39	180	820	3900	18,000	82,000	0.39 meg	1.8 meg	8.2 meg	
0.47	2.2	10	47	220	1000	4700	22,000	0.1 meg	0.47 meg	2.2 meg	10 meg	
0.56	2.7	12	56	270	1200	5600	27,000	0.12 meg	0.56 meg	2.7 meg	12 meg	
0.68	3.3	15	68	330	1500	6800	33,000	0.15 meg	0.68 meg	3.3 meg	15 meg	
0.82	3.9	18	82	390	1800	8200	39,000	0.18 meg	0.82 meg	3.9 meg	18 meg	
1.0	4.7	22	100	470	2200	10,000	47,000	0.22 meg	1.0 meg	4.7 meg	22 meg	

5% INSULATED GBT, SR AND BWH TYPES

TYPE GBT, SR 5% FIXED COMPOSITION

Stock No.	Type and Wattage	MIL Equiv.	Values See Table "B"	NET EACH	
				1-9	10-99
1 M M 005	GBT-1/2	RC20	10 Ω to 22 megs	.24	.19
1 M M 025	GBT-1	RC32	10 Ω to 22 megs	.36	.28
1 M M 045	SR-2	RC42	10 Ω to 22 megs	.48	.37

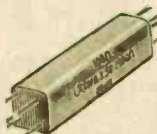
NEW TYPE BWH 5% 2-WATT FIXED WIRE-WOUND

Stock No.	Mfr's Type	Values to 1000 Ohms See Table "B"	NET EACH	
			1-9	10-99
1 M M 078	BWH	.24 ohms thru 9.1 ohms	.47	.40
1 M M 079	BWH	10 ohms thru 1000 ohms No values above 1000 ohms	.30	.25

TABLE "B"—5% EIA (RETMA) VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
0.24	1.1	5.1	24	110	510	2400	11,000	51,000	0.24 meg	1.1 meg	5.1 meg	
0.27	1.2	5.6	27	120	560	2700	12,000	56,000	0.27 meg	1.2 meg	5.6 meg	
0.30	1.3	6.2	30	130	620	3000	13,000	62,000	0.30 meg	1.3 meg	6.2 meg	
0.33	1.5	6.8	33	150	680	3300	15,000	68,000	0.33 meg	1.5 meg	6.8 meg	
0.36	1.6	7.5	36	160	750	3600	16,000	75,000	0.36 meg	1.6 meg	7.5 meg	
0.39	1.8	8.2	39	180	820	3900	18,000	82,000	0.39 meg	1.8 meg	8.2 meg	
0.43	2.0	9.1	43	200	910	4300	20,000	91,000	0.43 meg	2.0 meg	9.1 meg	
0.47	2.2	10	47	220	1000	4700	22,000	0.1 meg	0.47 meg	2.2 meg	10 meg	
0.51	2.4	11	51	240	1100	5100	24,000	0.11 meg	0.51 meg	2.4 meg	11 meg	
0.56	2.7	12	56	270	1200	5600	27,000	0.12 meg	0.56 meg	2.7 meg	12 meg	
0.62	3.0	13	62	300	1300	6200	30,000	0.13 meg	0.62 meg	3.0 meg	13 meg	
0.68	3.3	15	68	330	1500	6800	33,000	0.15 meg	0.68 meg	3.3 meg	15 meg	
0.75	3.6	16	75	360	1600	7500	36,000	0.16 meg	0.75 meg	3.6 meg	16 meg	
0.82	3.9	18	82	390	1800	8200	39,000	0.18 meg	0.82 meg	3.9 meg	18 meg	
0.91	4.3	20	91	430	2000	9100	43,000	0.20 meg	0.91 meg	4.3 meg	20 meg	
1.0	4.7	22	100	470	2200	10,000	47,000	0.22 meg	1.0 meg	4.7 meg	22 meg	

MULTI-RANGE 10-WATT WIRE-WOUND RESISTORS



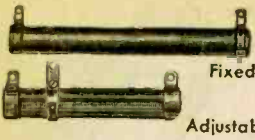
Type MR. Versatile resistors combining 4 separate 10-watt elements in a single, compact unit. With instructions for connecting element leads to provide up to 47 different resistance values within the ranges listed below. Shpg. wt., 3 oz. 2 per pkg.

Stock No.	Type	Resistance Range	NET PER PKG.
31 M 590	MR1	47 values from 0.5 through 15 ohms	1.20
31 M 591	MR2	47 values from 5.0 through 150 ohms	1.20
31 M 592	MR3	47 values from 50 through 1500 ohms	1.20
31 M 593	MR4	47 values from 500 through 15,000 ohms	1.20
31 M 594	MR5	12 values from 3000 through 50,000 ohms	1.80



Type 55 Power Resistor Assortment. A complete power resistor kit consisting of 10 Type MR multi-range resistors. Kit includes 2 of each Type MR resistor listed in the table at left. Highly recommended for schools and laboratories, experimenters, Amateurs, etc. 200 different resistance values can be obtained from these 10 multi-range units. Provides complete 10-watt coverage right at your fingertips—resistance values range all the way from 0.5 ohms to 50,000 ohms. Steatite housings provide excellent insulation. Supplied in convenient plastic box. Size, 1 1/4 x 5 1/2 x 3 1/2". Shpg. wt., 1 lb.

31 M 585. NET. 6.60



WIRE-WOUND POWER RESISTORS

Highly-reliable, "Resistor" coated power resistors. Tolerances: fixed, ±5%; adjustable, ±10%. All types of 25-watt rating or higher, supplied with mtg. brackets. All rated 100 watts or less have eyelets for screw mounting plus leads, except "leads only" types rated over 100 watts have eyelets only. Specify resistance and wattage when ordering. Av. shpg. wts., 5 to 50-watt types, 4 oz., others, 1 lb.

TABLE "A" VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	12	75	350	800	2000	5000	11K	20K	55K	95K
1.5	15	100	400	900	2250	6000	12K	22.5K	60K	100K
2	20	125	450	1000	2500	7000	12.5K	25K	65K	105K
3	25	150	500	1100	2750	7500	13.5K	30K	70K	110K
4	30	200	600	1200	3000	8000	15K	35K	75K	115K
5	35	225	650	1250	3500	8500	16K	40K	80K	200K
5.5	40	300	750	1500	4000	9000	17.5K	45K	85K	210K
10	50	300	750	1750	4500	10K	18K	50K	90K	

FIXED POWER RESISTORS (SEE TABLE "A" ABOVE FOR VALUES)

TYPE 1A—5-8 WATTS—1x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 250	1 to 1000 except 650	.52
MM 251	100 to 5K except 2750	.55
MM 252	6K to 10K except 8500	.58
MM 253	12.5K to 20K except 13.5K, 16K, 18K	.65
MM 254	22.5K* and 25K* only	.68

TYPE 1A $\frac{1}{2}$ —10-12 WATTS—1 $\frac{1}{4}$ x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 270	1 to 1000 except 650	.57
MM 271	1100 to 5K except 2750	.61
MM 272	6K to 10K	.70
MM 273	11K to 20K	.79
MM 274	22.5K to 40K	.83
MM 268	45K and 50K only	.93

TYPE 2C—20 WATTS—2x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 278	1 to 1000 except 1.5, 7.5, 12, 15, 20, 30, 35, 40, 125, 225, 450, 600	.68
MM 279	1200 to 5K	.70
MM 280	6K to 10K except 8.5K	.83
MM 281	12.5K to 20K except 13.5K, 16K, 17.5K and 18K	.85
MM 282	25K to 40K	.99
MM 283	45K to 60K	1.15
MM 258	65K to 80K	1.37
MM 259	85K* to 100K*	1.57

TYPE 2D—25 WATTS—2x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 203	1, 2, 3, 4, 5, 10, 15, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	.72
MM 204	1.5K to 5K except 1750, 2250, 2750 and 4500	.75
MM 205	6K, 7.5K, 10K only	.85
MM 206	12K, 15K, 20K only	.90
MM 207	25K to 40K	1.04
MM 208	50K and 60K only	1.21
MM 209	70K and 80K only	1.42
MM 210	100K only	1.64

ADJUSTABLE POWER RESISTORS (SEE TABLE "A" ABOVE FOR VALUES)

TYPE 1AA—10-12 WATTS 1 $\frac{1}{4}$ x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 275	1 to 1000 except 1.5, 4, 12, 30, 35, 40, 125, 225, 450, 650, 700 and 900	1.14
MM 276	1250 to 5K except 1750, 2750	1.18
MM 277	6K to 10K	1.27

TYPE 2DA—25 WATTS—2x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 284	1 to 1000 except 1.5, 4, 12, 30, 35, 40, 125, 225, 350, 450, 600, 650, 700 and 900	1.29
MM 285	1250 to 5K except 1750 and 2750	1.32
MM 286	6K to 10K except 8.5K	1.42
MM 287	12K, 15K, 20K only	1.47
MM 288	25K only	1.61

TYPE 4DA—50 WATTS—4x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 294	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 200, 250, 300, 400, 500, 750, 800, 1000	1.68
MM 295	1250 to 5K except 1750, 2750	1.71
MM 296	6K to 10K except 8500	1.80
MM 297	12K, 15K and 20K only	1.92
MM 298	25K, 30K, and 50K only	2.11
MM 299	50K and 60K only	2.29
MM 299	80K only	2.54
MM 308	100K only	2.70

TYPE 5EA—75 WATTS—5x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 211	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	1.86
MM 212	1.5K, 2.5K and 5K only	1.95
MM 213	10K only	2.09
MM 214	15K and 20K only	2.22

TYPE 4D—50 WATTS—4x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 290	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	1.11
MM 291	1250 to 5K except 1750, 2250, 2750, 3500 and 4500	1.14
MM 292	7.5K, 8K and 10K only	1.23
MM 293	12K, 15K and 20K only	1.35
MM 225	25K and 35K only	1.54
MM 226	50K only	1.72
MM 227	75K only	1.97
MM 228	100K only	2.13
MM 229	125K only	2.57
MM 330	150K only	2.70
MM 331	175K only	2.79
MM 332	200K only	2.89
MM 333	250K only	3.24

TYPE 6 $\frac{1}{2}$ E—100 WATTS—6 $\frac{1}{2}$ x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 309	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 125, 150, 250, 500, 750, 1000	1.54
MM 310	1.5K, 2K, 2.5K, 3K, 5K only	1.60
MM 311	7.5K and 10K only	1.73
MM 235	15K and 20K only	1.87
MM 236	25K, 30K, 40K only	2.13
MM 237	50K and 60K only	2.21
MM 238	75K only	2.45
MM 239	100K only	2.75

TYPE 10 $\frac{1}{2}$ H—200-225 WATTS—10 $\frac{1}{2}$ x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 441	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 250, 500, 750, 1000	2.46
MM 442	1.5K, 2K, 5K, 5K only	2.53
MM 443	7.5K and 10K only	2.71
MM 444	15K and 20K only	2.89
MM 445	25K, 30K and 40K only	2.98
MM 446	50K and 60K only	3.08
MM 447	75K only	3.26
MM 448	100K only	3.46

TYPE 5EA—75 WATTS (Cont'd)

Stock No.	Ohms	NET Each
MM 215	25K, 30K and 40K only	2.41
MM 216	50K only	2.60
MM 217	75K only	2.87
MM 218	100K only	3.10

TYPE 6 $\frac{1}{2}$ EA—100 WATTS—6 $\frac{1}{2}$ x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 312	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	2.11
MM 313	1.5K, 2.5K and 5K only	2.17
MM 314	10K only	2.30
MM 315	15K and 20K only	2.30
MM 316	25K, 30K and 40K only	2.70
MM 317	50K only	2.78
MM 318	75K only	3.02
MM 319	100K only	3.32

TYPE 10 $\frac{1}{2}$ HA—200-225 WATTS—10 $\frac{1}{2}$ x $\frac{1}{4}$ "

Stock No.	Ohms	NET Each
MM 377	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	3.34
MM 378	1.5K, 2.5K, 5K only	3.41
MM 379	10K only	3.59
MM 380	15K and 20K only	3.77
MM 381	25K, 30K and 40K only	3.76
MM 382	50K only	3.96
MM 383	75K only	4.14
MM 384	100K only	4.34

Extra Siders. For adjustable resistors. 3 oz.

2 M 600. For 1 $\frac{1}{4}$ AA. NET	1.4
2 M 604. For 2DA, 4DA. NET	1.4
2 M 605. For 5EA, 6 $\frac{1}{2}$ EA. NET	1.4
2 M 603. For 8 $\frac{1}{2}$ HA, 10 $\frac{1}{2}$ HA. NET	2.3



Cabinet Included

RESISTOR ASSORTMENTS

Space saving cabinets have 4 drawers and 28 compartments. Each resistance value is in a separate compartment. 3 $\frac{1}{2}$ x5 $\frac{1}{2}$ x10 $\frac{1}{8}$ ".

METAL RESIST-O-CABINETS

Assortment No. 3A. 120 2-watt resistors as follows: 7 each: 8200, 10K, 22K, 47K; 5 each: 1K, 6800, 15K, 0.1 meg; 4 each: 100, 330, 470, 1500, 2200, 3300, 4700, 27K, 1.0 meg; 3 each: 47, 82, 150, 220, 270, 3900, 0.22 meg, 0.47 meg; 2 each: 4.7, 10, 22, 68K, 4.7 meg; 15, 27, 33, 39. With Resist-O-Cabinet. 4 $\frac{1}{2}$ lbs. **28.80**

Assortment No. 4A. 150 IRC 1/2-watt resistors. 8 each: 1K, 47K, 0.1 meg, 0.27 meg, 470K, 1.0 meg; 7 each: 4700, 10K, 0.22 meg, 2.2 meg; 5 each: 3300, 22K, 27K, 33K, 0.33 meg, 4.7 meg; 4 each: 100, 470, 1500, 2200, 2700, 56K, 68K, 3.3 meg; 3 each: 47, 220, 270, 10 meg. With Resist-O-Cabinet. Wt., 4 $\frac{1}{2}$ lbs. **18.00**

Assortment No. 5A. 125 IRC 1-watt resistors. 7 each: 1K, 10K, 27K, 47K, 0.1 meg, 0.27 meg, 0.47 meg, 1.0 meg; 5 each: 2200, 4700, 22 meg; 4 each: 33K, 39K, 68K; 3 each: 47, 100, 150, 220, 270, 470, 1500, 2700, 3300, 15K, 0.15 meg, 0.22 meg, 2.2 meg, 4.7 meg. With metal Resist-O-Cabinet. Shpg. wt. 4 $\frac{1}{2}$ lbs. **22.50**

Assortment No. 6A. Complete resistor stock for AM, FM and TV in one handy cabinet. 139 IRC insulated and Type DCF resistors. 1/2 Watt. 4 each: 1000, 47K, 100K, 270K, 470K, 1.0 meg; 3 each: 4700, 10K, 220K, 2.2 meg; 2 each: 47, 100, 150, 220, 270, 470, 1500, 2200, 3300, 15K, 22K, 27K, 33K, 39K, 68K, 150K, 4.7 meg, 1 Watt. 4 each: 1000, 10K, 27K, 100K, 1.0 meg; 3 each: 47K, 470K, 2.2 meg; 2 each: 3300, 15K, 22K, 68K, 150K, 270K; 1 each: 47, 100, 150, 220, 270, 470, 1500, 2200, 2700, 4700, 33K, 39K, 220K, 4.7 meg, 2 Watt. 1 each: 47, 100, 270, 470, 10K, 22K, 47K. Type DCF. 1 each: 1000, 10K, 100K, 1.0 meg, 1.5 meg. With metal Resist-O-Cabinet. Wt., 5 lbs. **23.22**

AXIAL-LEAD POWER RESISTORS

TYPE PW-5, IRC 5-watt wire-wound resistors with glass fiber core. Sealed and insulated rectangular ceramic case. 1/4" leads. Tolerance, ±10%. Size less leads, 7 $\frac{1}{8}$ x $\frac{1}{2}$ ". Shpg. wt. 2 oz. Available in values 1 to 6000 ohms only. Specify value—see Table "B" below. **1 M 175. NET EACH** **2.25**

Type PW-10. As above but 10-watt rating. Size, 1 $\frac{1}{2}$ x $\frac{1}{2}$ ". Specify value—see Table "B" below. **1 M 190. NET EACH** **3.36**

TABLE "B" (OHMS)—SPECIFY VALUES

1	20	125	600	1500	4000	8500
2	25	150	700	1750	4500	9000
3	30	200	750	2000	5000	10,000
4	40	250	800	2250	6000	12,000
5	50	300	900	2500	7000	15,000
7.5	75	350	1000	3000	7500	15,000
10	100	400	1200	3300	8000	20,000
15	120	500	1250	3500	8200	25,000

AXIAL-LEAD "RESIST-O-CARD" RESISTOR ASSORTMENTS

Type PW-5X10. IRC 10-watt resistors. 1 ea: 10, 20, 25, 50, 100, 500, 1K, 2K, 4K, & 5K. **1 M 176. NET** **2.50**

Type PW-5X20. 5-watt resistors. 1 ea: 1.5, 7.5, 10, 20, 25, 50, 100, 150, 500, 750, 1K, 1.5K, 2K, 2.5K, 3K, 4K, 5K. **1 M 177. NET** **5.00**

Type 20-A. 10-watt resistors. 1 ea: 50, 65, 100, 250, 500, 750, 1K, 1.5K, 2K. 1K-1.5K, 1.5K, 2K, 2.5K, 3K, 4K, 5K. **1 M 191. NET** **7.20**

IRC and Ohmite Resistors

IRC RESISTORS

1/2-WATT 1% PRECISION RESISTORS—MIL-10509

Type DCC. Precision, unrolled, film-type carbon resistors for circuits requiring high voltage ratings and low noise levels as in instrumentation, advanced electronics, and critical color TV circuits. Values indicated in Table "A" below. Have low voltage coefficient, excellent frequency characteristics and small size. 1/2-watt rating. Meet stringent military specification, MIL-10509. Ratings, 40°C. Be sure to specify values when ordering. Av. shpg. wt., 3 oz.



Stock No.	Mfr's Type	Mil. Type	Values See Table "A" Below	NET EACH
MM 492	DCC	RN20X	10 ohms-100 ohms	.64
MM 493	DCC	RN20X	110 ohms-1.96 megs	.54

TABLE "A" VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
10	61.9	38.3	2150	12.1K	68.1K	383K
11	68.1	422	2370	13.3K	75K	422K
12.1	75	464	2610	14.7K	82.5K	464K
13.3	82.5	511	2870	16.2K	90.9K	511K
14.7	90.9	562	3160	17.8K	100K	562K
16.2	100	619	3480	19.6K	110K	619K
17.8	110	681	3830	21.5K	121K	681K
19.6	121	750	4220	23.7K	133K	750K
21.5	133	825	4640	26.1K	147K	825K
23.7	147	909	5110	28.7K	162K	909K
26.1	162	1000	5620	31.6K	178K	1 meg
28.7	178	1100	6190	34.8K	196K	1.1 megs
31.6	196	1210	6810	38.3K	215K	1.21 megs
34.8	215	1330	7500	42.2K	237K	1.33 megs
38.3	237	1470	8250	46.4K	261K	1.47 megs
42.2	261	1620	9090	51.1K	287K	1.62 megs
46.4	287	1780	10K	56.2K	316K	1.78 megs
51.1	316	1960	11K	61.9K	348K	1.96 megs
56.2	348					



HANDY-PAK RESISTOR ASSORTMENTS

In Clear Plastic Packets; Easily Read Values



Single Handy-Pak

Designed to keep stocks within quick, easy reach—end "cigar box confusion." Handy-Paks are uniform size for 1/2, 1 and 2 watts—one pack-size for each resistor value. Complete stocks are always visible. All resistors are 10% carbon composition types. Value and wattage clearly indicated on each pack, as well as by coding and size of visible resistors.

"RESIST-O-CADDY"

A Well-organized and compact plastic pouch containing Handy-Paks folds to 6 1/4 x 3 3/4 x 1 1/2. Individual pockets keep packets secure and orderly—inventory is always visible. Ideal for in-home servicing.

Type 41. Assortment of 120 1/2-watt resistors; 20 values, 47 ohms to 10 megs. Shpg. wt., 8 oz. **14.40**

Type 45. Assortment of 80 1-watt resistors; 20 values, 47 ohms to 10 megs. Shpg. wt., 8 oz. **14.40**

"RESIST-O-CHEST"

Convenient inventory. All-metal resistor filing cabinet supplied complete with a wide assortment of resistors in "Handy-Paks." Ideal for the service shop. Has hinged lid and metal separators to keep Handy-Paks orderly—right at your fingertips. Inventory list in lid helps you keep stock up-to-date. Size, 6 1/4 x 5 1/2 x 3 1/2. Shpg. wts.: 42 and 43, 2 1/2 lbs.; 46 and 47, 2 1/2 lbs.; 49A and 50A, 3 lbs.

Stock No.	Mfr's Type	Description	NET EACH
2 M 787	42	204 1/2-watt resistors; 34 values, 47 ohms—10 megs.	24.48
2 M 788	43	462 1/2-watt resistors; 77 values, 10 ohms—22 megs.	55.44
2 M 789	46	136 1-watt resistors; 34 values, 47 ohms—10 megs.	24.48
2 M 790	47	308 1-watt resistors; 77 values, 10 ohms—22 megs.	55.44
2 M 791	49A	102 2-watt resistors; 34 values, 100 ohms—10 megs.	24.48
2 M 792	50A	231 2-watt resistors; 77 values, 10 ohms—22 megs.	55.44

REPLACEMENT "HANDY-PAKS"

For replacement in above assortments. Standard "Handy-Pak" package of either six 1/2-watt, four 1-watt, or three 2-watt carbon resistors. 10% tolerances. Specify value desired. Av. shpg. wt., 6 oz.

Stock No.	Wattage Rating	Quantity Per Pkg.	NET PER PACKAGE	
			1 to 11, EA.	12 and Up, EA.
MM 487	1/2	6	.72	.54
MM 488	1	4	.72	.54
MM 489	2	3	.72	.54

OHMITE RESISTORS

FAMOUS "BROWN DEVIL" WIRE-WOUND RESISTORS

For voltage dropping, bias supplies, bleeders, etc. Have thick vitreous enamel coating—for excellent heat conduction and insulation; also protects against the harmful effects of humidity. Accuracy = 5%. Size: 5-watt units, 1x3/4"; 10-watt units, 1 1/4x3/4"; 20-watt units, 2x3/4". Tinned leads for easy soldering. Lead length, 1 1/2". Av. shpg. wt., 5 oz.



5-WATT SIZE (SEE TABLE "B" BELOW FOR VALUES)

Available in all values to 10,000.

Stock No.	Ohms	NET EACH	Stock No.	Ohms	NET EACH
MM 730	1 to 1000	.52	MM 732	6000 to 10,000	.58
MM 731	1100 to 5000	.55			

10-WATT SIZE (SEE TABLE "B" BELOW FOR VALUES)

Available in all values to 50,000 except 1.5 ohms.

Stock No.	Ohms	NET EACH	Stock No.	Ohms	NET EACH
MM 700	1 to 1000	.57	MM 703	12,500 to 20,000	.79
MM 701	1100 to 5000	.61	MM 706	25,000 to 40,000	.83
MM 702	6000 to 10,000	.70	MM 707	45,000 and 50,000	.93

20-WATT SIZE (SEE TABLE "B" BELOW FOR VALUES)

Available in all values except those marked * in table "B" below.

Stock No.	Ohms	NET EACH	Stock No.	Ohms	NET EACH
MM 720	1 to 1000	.68	MM 724	25,000 to 40,000	.99
MM 721	1200 to 5000	.70	MM 725	45,000 to 60,000	1.15
MM 722	6000 to 10,000	.83	MM 726	65,000 to 80,000	1.37
MM 723	12,500 to 20,000	.85	MM 727	85,000 to 100,000	1.57

TABLE "B" VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	30*	350	1250	7,000	45,000
1.5*	35*	400	1500	7,500	50,000
2	40*	450*	1750	8,000	55,000
3	50	500	2000	9,000	60,000
4	75	600*	2250	10,000	65,000
5	100	700	2500	12,500	70,000
7.5*	125*	750	3000	15,000	75,000
10	150	800	3500	20,000	80,000
12*	200	900	4000	25,000	85,000
15*	225*	1000	4500	30,000	90,000
20*	250	1100*	5000	35,000	95,000
25	300	1200	6000	40,000	100,000

OHMITE AXIAL-LEAD WIRE-WOUND RESISTORS

Axial-lead, ceramic-core resistors. Covered with vitreous enamel to withstand high temperature. Resistance wire and terminals welded to end caps to assure excellent stability and minimum noise. Well-suited for all applications where equipment is subject to high operating temperatures and adverse conditions. Tolerance: = 5% Wattage based on temperature rise to 300° C. 1 1/2" leads. Av. shpg. wt., 4 oz.



3 WATTS—1/16x1/4" (SEE TABLE "C" BELOW FOR VALUES)

Stock No.	Ohms	EACH	No.	Ohms	EACH
2 MM 090	1-1000	.59	2 MM 110	5600-10,000	.66
2 MM 095	1200-5000	.62			

5 WATTS—1/16x1/32" (SEE TABLE "C" BELOW FOR VALUES)

Stock No.	Ohms	EACH	No.	Ohms	EACH
2 MM 115	1-1000	.62	2 MM 145	12,000-20,000	.78
2 MM 130	1200-5000	.66	2 MM 146	22,000-25,000	.82
2 MM 135	5600-10,000	.70			

10 WATTS—1 1/16x1/32" (SEE TABLE "C" BELOW FOR VALUES)

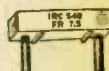
Stock No.	Ohms	EACH	Stock No.	Ohms	EACH
2 MM 122	1-1000	.68	2 MM 125	12,000-20,000	.95
2 MM 123	1200-5000	.73	2 MM 126	22,000-40,000	1.00
2 MM 124	5600-10,000	.84	2 MM 127	47,000-50,000	1.12

TABLE "C" VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1.0	15	120	500	1800	4700	8,200
1.5	20	150	600	2000	5000	9,000
2.0	25	200	700	2200	5600	10,000
3.0	30	220	750	2500	6000	12,000
4.0	33	250	800	2700	6800	15,000
5.0	40	300	900	3000	7000	18,000
7.5	50	330	1000	3300	7500	20,000
10.0	75	400	1200	3900	8000	22,000
12.0	100	470	1500	4000		

IRC FUSE RESISTORS

Type FR 7.5. A highly reliable plug-in type resistor with characteristics of a slow-blow fuse. Used extensively in late model television sets employing series string filament circuits. Prevents tube damage in case of overload. Insulated ceramic body. Resistance 7.5 ohms. Replaces similar units in RCA, Motorola, Zenith, etc. Wt., 3 oz.



2 M 771. NET EACH **45**

Type FR 6. Same as above, but 5 ohms. 3 oz. **45**

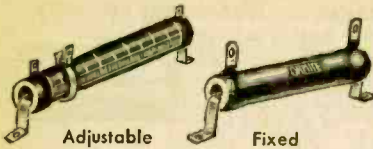
2 M 773. NET EACH **45**

Type FR 5.6. Same as above, but 5.6 ohms. 3 oz. **45**

2 M 772. NET EACH **45**

Ohmite Resistors

WIRE-WOUND POWER RESISTORS



mounted in closed spaces with restricted air circulation, de-rate by half, Av. wt., 1/2 lb. All resistors listed are standard stock items at Allied for fastest delivery.

Quality power resistors in fixed or adjustable values. Use adjustable types wherever a non-standard value is desired or where a resistance or voltage divider requires initial or occasional adjustment to optimize a particular circuit. Tolerances of fixed resistors: $\pm 10\%$ below 1 ohm, $\pm 5\%$ other values. Adjustable types $\pm 10\%$ and come with slider. Mtg. brackets included with both types. All wire-wound units on ceramic cores protected and insulated by thick, vitreous enamel coatings. Wattage ratings apply where units are used in free air; when used in closed spaces with restricted air circulation, de-rate by half, Av. wt., 1/2 lb. All resistors listed are standard stock items at Allied for fastest delivery.

FIXED POWER RESISTORS

10 WATT— $1\frac{1}{4}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 770	.51, 1.0, 1.5, 2.2, 3.3, 4.7	.57	
	6.8, 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1000		

I MM 771	1200, 1500, 1800, 2200, 2700, 3300, 3900, 4700	.61	
I MM 772	5000, 6000, 8200, 10K	.70	
I MM 773	12K, 15K, 18K	.79	
I MM 774	22K, 27K, 33K, 39K	.83	
I MM 775	47K and 51K only	.93	

25 WATT— $2\frac{1}{2}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 776	1, 2, 3, 4, 5, 10, 15, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	.72	
	1500, 2000, 2500, 3000, 3500, 4000, 5000		
	6000, 7500, 10,000		
I MM 835	6000, 7500, 10,000	.85	
I MM 778	12K, 15K, 20K	.90	
I MM 779	25K, 30K, 35K, 40K	1.04	
I MM 780	50K and 60K	1.21	
I MM 781	70K and 80K	1.42	
I MM 782	100,000 only	1.64	

50 WATT— $4\frac{1}{2}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 769	1	1.55	
	2, 3, 4, 5, 10, 25, 50, 75, 150, 300, 500, 750, 1000		
I MM 784	1500, 2000, 2500, 3000, 4000, 5000	1.14	
I MM 785	7500, 8000, 10,000	1.23	
I MM 836	12,000, 15,000, 20,000	1.35	

"DIVIDOHM" ADJUSTABLE RESISTORS

10 WATT— $1\frac{1}{4}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 804	1, 2, 3, 5, 10, 25, 50, 75, 100, 150, 250, 500, 750, 1K	1.14	
	1500, 2500, 5000		
I MM 805	7.5K and 10K	1.18	
I MM 806	7.5K and 10K	1.27	

75 M 883. Extra Slider. 2 oz. NET.....14

25 WATT— $2\frac{1}{2}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 807	1, 3, 5, 10, 15, 25, 50, 75, 100, 250, 500, 750, 1K	1.29	
	1.5K, 2K, 2.5K, 3K, 5K		
I MM 808	7.5K and 10K	1.32	
I MM 809	12K, 15K, and 20K	1.42	
I MM 811	25K only	1.61	

75 M 880. Extra Slider. 2 oz. NET.....14

50 WATT— $4\frac{1}{2}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 812	1 only	2.12	
I MM 813	2, 3, 4, 10, 25, 50, 75, 100, 150, 200, 250, 500, 750, 1000		
I MM 814	1500, 2000, 2500, 5000	1.68	
I MM 815	10K only	1.71	
I MM 816	15K and 20K only	1.80	
I MM 817	25K, 30K, 40K	1.92	
I MM 818	50K only	2.11	
I MM 819	100K only	2.29	
I MM 819	100K only	2.70	

75 M 880. Extra Slider. 2 oz. NET.....14

75 WATT— $6\frac{1}{2}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 856	1 and 2	2.39	
	3, 4, 5, 10, 15, 25, 50, 100, 200, 250, 300, 400, 500, 750, 800, 1000		
I MM 857	1250, 1500, 2000, 2250, 2.5K, 3K, 3.5K, 4K, 4.5K, 5K	1.87	
I MM 858	6K, 7K, 7.5K, 8K, 9K, 10K	1.92	
I MM 859	10K	2.01	
I MM 861	1K, 15K, 20K	2.13	
I MM 862	25K, 30K, 35K, 40K	2.32	
I MM 863	45K, 50K, 60K	2.52	
I MM 864	80K only	2.78	
I MM 865	100K only	2.98	

75 M 880. Extra Slider. 2 oz. NET.....14

100 WATT— $6\frac{1}{2}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 821	1, 2, 3	2.73	
	4, 5, 10, 25, 50, 100, 250, 500, 1000		
I MM 822	1500, 2000, 2500, 5000	2.11	
I MM 823	5K only	2.17	
I MM 824	10K only	2.30	
I MM 825	15K and 20K only	2.44	
I MM 826	25K and 40K only	2.70	
I MM 827	50K only	2.78	
I MM 828	100K only	3.32	

75 M 880. Extra Slider. 2 oz. NET.....14

100 WATT— $6\frac{1}{2}\times\frac{1}{4}$ "			
Stock No.	Specify Value—Ohms	EACH	
I MM 821	1, 2, 3	2.73	
	4, 5, 10, 25, 50, 100, 250, 500, 1000		
I MM 822	1500, 2000, 2500, 5000	2.11	
I MM 823	5K only	2.17	
I MM 824	10K only	2.30	
I MM 825	15K and 20K only	2.44	
I MM 826	25K and 40K only	2.70	
I MM 827	50K only	2.78	
I MM 828	100K only	3.32	

75 M 881. Extra Slider. 2 oz. NET.....14

"LITTLE DEVIL" MOLDED RESISTOR ASSORTMENTS

Most-often-needed molded, insulated, composition assortment, 10 ohms to 10 megohms. Choose either 1/4, 1/2, 1 or 2 watt assortments. All are 10% tolerances. Cabinet is $4\frac{3}{4}\times 9\frac{1}{2}\times 5\frac{1}{4}$ " with 5 drawers, 40 labelled compartments. Wt., 3 lbs.

No.	Type	Description	EACH
2 M 767	CAB-4	150 1/4-watt resistors	19.50
M 768	CAB-10	150 1/2-watt resistors	18.00
M 754	CAB-2	125 1-watt resistors	22.50
M 762	CAB-3	125 2-watt resistors	30.00

"LITTLE DEVIL" RESISTORS



Molded, insulated, composition resistors in standard ratings as well as subminiature 1/10 and 1/4-watt sizes. Choose from 10% (Table "A") or 5% (Table "B") tolerances except 1/10 watt, 10% only. Meet all MIL-R-11C specs. Dissipate heat rapidly; use at full rating to 150°F. Breakdown ratings: 1/10-w., 150 v.; 1/4-w., 250 v.; 1/2-w., 350 v.; 1-w., 500 v.; 2-w., 750 v. Stpg. wt., 2 oz.

SEE TABLE "A" BELOW FOR VALUES 10% TOLERANCE RESISTORS

Stock No.	Wattage Rating	ASSORTED			
		1-4 EA.	5-49 EA.	50-99 EA.	100-999 EA.
2 MM 050	1/10	.24	.20	.16	.12
2 MM 450	1/4*	.13	.11	.07	.05
2 MM 040	1/2	.12	.10	.06	.04
2 MM 060	1	.18	.15	.09	.07
2 MM 080	2	.24	.20	.15	.10

*In values from 10 ohms to 1.0 megohm only. *In values from 27 ohms to 22 megohm only.

SPECIFY VALUES DESIRED 10% TOLERANCE RESISTORS

Table "A"

Ohms	Ohms	Ohms	Megs	Megs
10	220	4700	0.1	2.2
12	270	5600	0.12	2.7
15	330	6800	0.15	3.3
18	390	8200	0.18	3.9
22	470	10,000	0.22	4.7
27	560	12,000	0.27	5.6
33	680	15,000	0.33	6.8
39	820	18,000	0.39	8.2
47	1000	20,000	0.47	10.0
56	1200	27,000	0.56	12.0
68	1500	33,000	0.68	15.0
82	1800	39,000	0.82	18.0
100	2200	47,000	1.0	22.0
120	2700	56,000	1.2	27.0
150	3300	68,000	1.5	33.0
180	3900	82,000	1.8	39.0

SEE TABLE "B" BELOW FOR VALUES 5% TOLERANCE RESISTORS

Stock No.	Wattage Rating	ASSORTED			
		1-4 EA.	5-49 EA.	50-99 EA.	100-999 EA.
2 MM 455	1/4*	.26	.22	.14	.10
2 MM 045	1/2	.24	.20	.12	.08
2 MM 065	1	.36	.30	.18	.12
2 MM 085	2	.48	.40	.24	.16

*In values from 27 ohms to 22 megohm only.

SPECIFY VALUES DESIRED 5% TOLERANCE RESISTORS

Table "B"

Ohms	Ohms	Ohms	Megs	Megs
10	220	4700	0.1	2.2
12	240	5100	0.11	2.4
15	270	5600	0.12	2.7
18	300	6200	0.13	3.0
22	330	6800	0.15	3.3
27	360	7500	0.16	3.6
33	390	8200	0.18	3.9
39	430	9100	0.20	4.3
47	470	10,000	0.22	4.7
56	510	11,000	0.24	5.1
68	560	12,000	0.27	5.6
82	620	13,000	0.30	6.2
100	680	15,000	0.33	6.8
120	750	16,000	0.36	7.5
150	820	18,000	0.39	8.2
180	910	20,000	0.43	9.1
220	1000	22,000	0.47	10.0
270	1100	24,000	0.51	11.0
330	1200	27,000	0.56	12.0
390	1300	30,000	0.62	13.0
470	1500	33,000	0.68	15.0
560	1600	36,000	0.75	16.0
680	1800	39,000	0.82	18.0
820	2000	43,000	0.91	20.0
1000	2200	47,000	1.0	22.0
1200	2400	51,000	1.1	24.0
1500	2700	56,000	1.2	27.0
1800	3000	62,000	1.3	30.0
2200	3300	68,000	1.5	33.0
2700	3600	75,000	1.6	36.0
3300	3900	82,000	1.8	39.0
4000	4300	91,000	2.0	43.0

ALLIED CARRIES A COMPLETE LINE OF OHMITE RESISTORS IN STOCK FOR FASTEST DELIVERY... WRITE, WIRE OR PHONE FOR PRICES ON UNLISTED ITEMS...

Plastic Storage Cabinet Included

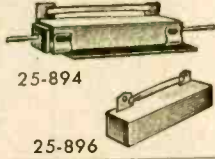
OHMITE TYPE FR 7½-OHM FUSE RESISTOR

A highly-dependable 7½-ohm fuse resistor. May be used to replace many fuse resistors used in television circuits. 1½" tinned wire leads make replacement application easy and quick. Supplied with convenient, plug-in bakelite mounting strip—or can be wired directly into circuit of TV set. Very commonly used in series-string filament circuits. Length, 1½". Shpg. wt., 3 oz.
2 M 063. NET.....45



G-C SURGISTORS

Surge resistors for increased receiving tube, CR tube and component life. Combine the functions of a resistor and a relay. Limit harmful initial voltage surge to 25% of normal, yet allow full voltage after warm-up. Connect directly into the power line. For use with 117 v., AC-DC. Av. shpg. wt., 7 oz.



Stock No.	Type	Watts	NET
28 M 552	25-894	100-275	1.40
28 M 553	25-896	250-400	1.57

25-894
25-896

G-C GLO-BAR "THERMISTORS"

Popular thermistors used in series-string filament circuits of RCA, Crosley, Philco, and other TV sets. A necessary service replacement item. Matched pair; replaces filament resistors of G.E., M'rola, Philco, etc. Av. wt., 1 oz.



Stock No.	Type	Ohms		Replaces	NET EACH	
		Hot	Cold		1-9	10-Up
2 M 066	25-912	70	250	GE RRR051	.88	.79
2 M 067	25-914	75	950	GE RRR041	1.29	1.16
2 M 068	25-916	31	260	GE RRR097	1.12	1.01
2 M 069	25-918	35	460	GE RRR054	1.12	1.01
2 M 053	25-920	11	250	M'rola 6A735941	1.47	1.34
2 M 054	25-922	50	1050	Philco 33-1343-3	.94	.85
2 M 055	25-924	1050Ω at 125V.		G.E. RRR052	1.88	1.67
2 M 070	25-926	43	125	Crosley	1.47	1.32
2 M 071	25-928	9	200	RCA 100118	.93	.84
2 M 072	25-910	40	375	*See above	1.76	1.58

G-C TV FUSE RESISTORS

Reliable, low-cost replacement units for series-string TV tube circuits. Replace similar units in Raytheon, RCA, Motorola, Sylvania, Zenith and other TV receivers. All units are less than an inch in length; tinned leads for quick and easy installation. Av. shpg. wt., 1 oz.



Stock No.	Type	Ohms	List	1-9, EACH	10-Up, EACH
2 M 021	25-980-BU	4.7	\$6.65	.29	.24
2 M 022	25-984-BU	5.6	.65		
2 M 023	25-988-BU	7.5	.65		
2 M 024	25-990-BU	9.0	.65		
2 M 025	25-994-BU	22.0	.65		

2 M 026, Type 25-996 Fuse Resistor Kit. Contains 6-7.5; 1-4.7; 1-7.5; 1-9.0; and 1-22-ohm fuse resistors. 10 oz. NET.....1.95

HANDY OHM'S LAW CALCULATOR

Easy-to-use calculator. Solves problems in Ohm's Law and DC power. Shows power, voltage and current when resistance is known. By setting to two known values resistance can be determined. Also has parallel resistance calculator. Size, 9x3". Shpg. wt., 3 oz.
2 M 780. NET.....25
2 M 781, Deluxe Plastic Model. NET.....1.50



ALLIED'S COLOR-CODE GUIDE

Code colors may be set to show resistance or resistance values may be set to show colors. Size, 2½x3¾". Includes tolerance code and EIA-JAN ±10% standard stock values. Free with order for 20 or more resistors. Shpg. wt., 2 oz.
2 M 770. NET.....15



CENTRALAB "COMPENTROLS"

Closely follow the curves of the Fletcher-Munson effect. Low loss—do not require added amplification.



C-1

C-2

TYPE C-1. Combination volume control and tone compensator. Improves apparent bass and treble response of TV sets, radios, hi-fi, etc., when volume is at low level. Replaces existing volume controls. Types C1-60-S and C1-70-S have SPST switch. Shaft length, 6 oz. 1½" dia. 3/16" body dia. Shpg. wt., 5 oz.

TYPE C2-100 "SENIOR." Similar to C-1, left. Dual concentric type for replacing 250K to 2 meg volume controls in amplifiers, TV sets, etc. Permits any degree of compensation at low listening levels. Shaft length, 7/8". 1½" dia. With 2 knobs, 6 oz.
30 M 436. NET EACH...3.30

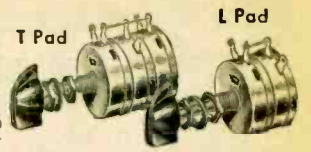
TYPE C2-200. Same as C2-100 Compentrol above, except in "Fastatch" design. Front and rear units separate; permits cutting shafts to desired length, 8 oz.
30 M 437. NET EACH...3.30

Stock No.	Mfr's Type	Ohms	NET EACH
30 M 421	C1-60	½ meg	2.40
30 M 422	C1-60-S	½ meg	2.85
30 M 423	C1-70	1 meg	2.40
30 M 424	C1-70-S	1 meg	2.85

MALLORY CONTROLS

SPEAKER CONTROLS

Constant-load attenuator pads. Widely used to control the level of low-impedance audio circuits in sound systems. Rated at 4 watts, continuous DC; 15 w. peak audio. Have 2 shafts. Bushing size: 3/8x3/8" diameter. Supplied with bar knob, 0-10 turns. Av. shpg. wt., 7 oz.



T Pad Attenuators. Present constant source impedance as well as constant load at all control settings. Size: 1½" dia., 1½" deep.

L Pad Attenuators. Present a constant load impedance at all control settings. Size: 1½" dia., 1½" deep.

Ohms	Stock No.	Type	Stock No.	Type
2	29 M 868	T2	29 M 883	L2
4	29 M 869	T4	29 M 884	L4
6	29 M 870	T6	29 M 885	L6
8	29 M 871	T8	29 M 892	L8
15	29 M 872	T15	29 M 886	L15
50	29 M 873	T50	29 M 887	L50
100	29 M 865	T100	29 M 920	L100
200	29 M 874	T200	29 M 888	L200
250	29 M 875	T250	29 M 889	L250
500	29 M 876	T500	29 M 890	L500
600	29 M 866	T600	29 M 921	L600
1000	29 M 867	T1000	29 M 922	L1000
2000	29 M 877	T2000	29 M 891	L2000
3000	29 M 878	T3000	29 M 923	L3000
4000			29 M 708	L4000

"T" Pads. NET EACH...3.09 "L" Pads. NET EACH...2.73

THEATER SPEAKER CONTROLS

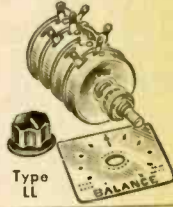
Precision units developed especially as controls in drive-in theater speaker installations. Withstand extremes of temperature and humidity. TSA-10 is an L-pad with 10-ohm input and 4-ohm output. TSA-35 is a 35-ohm series-type potentiometer. TSA-6 is a 6-ohm shunt-type attenuator. 1½" dia. cases. Shafts are 1/2" long; steel (knurled), brass. Shpg. wt., 4 oz.



Stock No.	Mfr's Type	Description	EACH
29 M 847	*TSA-10	L-pad	1.47
29 M 848	*TSA-35	Potentiometer	1.08
29 M 849	†TSA-6	Shunt-type Attenuator	1.08

STEREO AND MONOPHONIC L-PAD CONTROLS

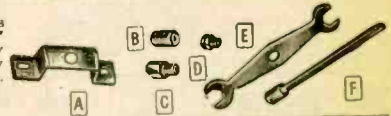
Constant impedance attenuators. Use as level controls in low-impedance, low-level audio circuits. LL-8, LL-16, LL-50 are dual-tandem for stereo balance or master volume; others for monophonic use. 15-watt rating, 294° rotation. Bushing: 1" by 3/8" dia. 1½" shaft. Wt., 5 oz.



Stock No.	Mfr's Type	Ohms	NET EACH
29 M 097	LL-8	8	5.97
29 M 098	LL-16	16	5.97
29 M 099	LL-50	50	5.97
29 M 071	L8-A	8	2.85
29 M 072	L16-A	16	2.85

VOLUME CONTROL ACCESSORIES

*Couples 1/4" shafts to 1/4", 1/2" or 3/8" shafts. †Extends body of control 3/4" away from mtg. surface. Av. shpg. wt., 3 oz.



Stock No.	Type	Fig.	Description	EACH
29 M 676	RB249	A	Mtg. bracket Mtg. Ctrs. 2½"	.24
29 M 675	RB248	A	Mtg. bracket Mtg. Ctrs. 1½"	.21
29 M 661	EB247†	C	Extender	.42
29 M 665	5	E	Wrench for 1/2" x 3/8" v.c. hex nuts	-.51
29 M 655	RS242	F	Ext. shaft, 4x1/4x1/2" flat.	-.57
29 M 656	RS243	F	Ext. shaft, 4x1/4x3/8" flat.	-.57
29 M 657	RS244	F	Ext. shaft, 4x3/8x1/2" flat.	-.57
29 M 658	RS245	F	Ext. shaft, 2x1/4" with 1/2" slot.	-.81
29 M 672	EC240†	B	Coupling	-.60
60 H 390	UB241	D	Bushing for panel mounting.	-.09

JENSEN SPEAKER VOLUME CONTROLS

Two-section L-pads designed for controlling volume at individual speakers. Have no effect on volume of other speakers or total impedance. Feature rugged construction with special alloy windings and solder lug terminals. Provide smooth, gradual volume control. Single hole panel mounting. With lock nut, pointer knob and flat metal escutcheon plate. Av. shpg. wt., 1 lb.



Stock No.	Mfr's Type	Ohms	Watts	NET EACH
33 M 942	ST-760	3-4	15	2.85
33 M 940	ST-276	6-8	15	1.91
33 M 938	ST-837	15-15	35	3.38

CTS-IRC Controls



Q CONTROLS WITH UNIVERSAL SHAFTS

Knurled, flattened and slotted. 3° universal shaft can be cut to desired length. 1/4" body dia. 3/8" bushing, 1/4" long. Smooth, extremely quiet operation. *Includes 270 ohm, 1/2-watt bias resistor. Less switches (below). See taper explanations below. Av. shpg. wt., 4 oz.

Stock No.	Type	Ohms	Taper	Stock No.	Type	Ohms	Taper
30 M 395	Q11-201	250	A	30 M 318	Q13-128	100K	C
30 M 300	Q11-103	500	A	30 M 388	Q11-228	125K	A
30 M 377	Q1-105	750	A	30 M 875	Q11-328	150K	A
30 M 441	Q17-103	750	F	30 M 444	Q13-328	150K	A
30 M 301	Q11-108	1000	A	30 M 374	Q11-329	200K	A
30 M 379	Q17-108	1000	F	30 M 319	Q11-130	250K	A
30 M 874	Q17-110	2000	Q	30 M 320	Q13-130	250K	A
30 M 442	Q11-109	1500	A	30 M 445	Q11-131	300K	A
30 M 380	Q17-109	1500	Q	30 M 876	Q11-132	350K	A
30 M 302	Q11-110	2000	A	30 M 321	Q13-132	350K	A
30 M 373	Q13-111	2500	C	30 M 322	Q11-133	500K	A
30 M 381	Q17-111	2500	Q	30 M 323	Q13-133	500K	C
30 M 303	Q11-112	3000	A	30 M 324	Q14-133	500K	D
30 M 382	Q17-112	3000	Q	30 M 397	Q17-133	500K	Q
30 M 304	Q11-114	5000	A	30 M 398	Q11-134	600K	A
30 M 383	Q13-114	5000	Q	30 M 390	Q11-136	750K	A
30 M 384	Q17-114	5000	Q	30 M 325	Q11-137	1 meg	A
30 M 305	Q11-115	7500	A	30 M 326	Q13-137	1 meg	C
30 M 306	Q11-116	10K	A	30 M 327	Q11-137	1 meg	C
30 M 307	Q13-116	10K	C	30 M 877	Q17-137	1 meg	Q
30 M 308	Q14-116*	10K	D	30 M 328	Q11-138	1.5 meg	A
30 M 385	Q17-116	10K	Q	30 M 329	Q11-139	2 meg	A
30 M 310	Q16-119*	20K	Spec.	30 M 330	Q13-139	2 meg	C
30 M 311	Q11-120	25K	A	30 M 399	Q17-139	2 meg	Q
30 M 443	Q13-120	25K	C	30 M 331	Q11-239	2.5 meg	A
30 M 312	Q14-120*	25K	C	30 M 332	Q11-140	3 meg	A
30 M 313	Q11-121	30K	A	30 M 333	Q13-140	3 meg	C
30 M 396	Q11-122	35K	A	30 M 446	Q17-140	3 meg	A
30 M 314	Q11-123	50K	A	30 M 334	Q11-141	5 meg	A
30 M 315	Q13-123	50K	C	30 M 878	Q12-141	5 meg	Spec.
30 M 316	Q14-123*	50K	D	30 M 392	Q13-141	5 meg	Q
30 M 387	Q11-125	75K	A	30 M 393	Q17-141	5 meg	C
30 M 317	Q11-128	100K	A	30 M 394	Q11-142	7.5 meg	A
				30 M 395	Q13-143	10 meg	A

NET EACH 1.02

TAPPED Q CONTROLS WITH UNIVERSAL SHAFTS

Stock No.	Type	Megs	Taps, Ohms	Taper	Stock No.	Type	Megs	Taps, Ohms	Taper
30 M 879	Q13-118X	.015	10K	Spec.	30 M 349	Q18-137X	1.0	100K	Spec.
30 M 386	Q11-118XX	.015	5K/10K	Spec.	30 M 350	Q18-137XX	1.0	250K/5 Meg.	Spec.
30 M 337	Q18-130X	.25	60K	H	30 M 351	Q19-137X	1.0	.5 Meg.	Spec.
30 M 336	Q13-130X	.25	125K	Spec.	30 M 352	QVC-539X	1.0	.5 Meg	Spec.
30 M 340	Q18-132X	.35	75K	H	30 M 353	Q13-138X	1.5	.25 Meg	Spec.
30 M 342	Q17-133X	.5	25K	Spec.	30 M 355	Q17-139X	2.0	150K	Spec.
30 M 343	Q18-133X	.5	50K	Spec.	30 M 357	Q18-139XX	2.0	250K/5 Meg	Spec.
30 M 341	Q13-133X	.5	125K	H	30 M 354	Q13-139XX	2.0	.5 Meg/1Meg	Spec.
30 M 344	Q19-133X	.5	250K	Spec.	30 M 353	Q13-139X	2.0	5 Meg	H
30 M 345	Q18-133XX	.5	100K/200K	Spec.	30 M 356	Q18-139X	2.0	1 Meg	Spec.
30 M 346	Q13-137X	1.0	250K	H	30 M 449	Q18-140X	3.0	15 Meg	Spec.

NET EACH 1.44

TYPE 76 ATTACHABLE SWITCHES FOR Q CONTROLS

Blue bakelite enclosure. Easily attached. Type 76-4 is make-one, break-one for TV spot killing. U.L. Approved. Shpg. wt., 2 oz.

30 M 359. Type 76-1. SPST. NET 60
 30 M 591. Type 76-2. DPST. NET 60
 30 M 888. Type 76-4. SPDT. NET 75

EXPLANATION OF TAPERS

Taper A. Linear.

Taper C. Logarithmic curve for audio circuit control or antenna shunt control.

Taper D. Tapered at both ends to provide control of grid bias and antenna circuit. Used where control of grid bias is of prime importance in controlling gain.

Taper H. Tapped logarithmic curve. Audio level control for bass compensation.

Taper P. Semi-logarithmic curve with reverse taper. For use in contrast and picture control circuits in television.

Taper Q. Same applications as Taper P above, but has slightly steeper curve.

L AND T-PAD SPEAKER CONTROLS

Handle 10 watts audio. L pads provide constant input imped.; T pads, both input and output imped. Dia. 1 1/4"; L pads 1 1/2" deep behind panel; T pads, 1 1/2"x 3/4" bushing, 1/4" long. With knob. Av. shpg. wt., 6 oz.

Stock No.	Type	Pad	Ohms	EACH	Stock No.	Type	Pad	Ohms	EACH
30 M 880	LP4	L	4	3.21	30 M 884	TP4	T	4	3.63
30 M 881	LP8	L	8		30 M 885	TP8	T	8	
30 M 882	LP15	L	15		30 M 886	TP15	T	15	
30 M 883	LP500	L	500		30 M 887	TP500	T	500	

TYPE HLC TV HEIGHT CONTROLS

Quality potentiometers for controlling picture height (vertical size) in TV receivers. Have same specs as most original equipment. 1-watt power rating; 750 v. max., between outer terminals. Nylon shaft slotted and knurled; designed for easy shortening when required. Easily installed in any set. Tab mtg. Dia., 3/16". Wt., 4 oz.

Stock No.	Type	Megohms	Stock No.	Type	Megohms
30 M 861	1	2.0	30 M 864	4	4.0
30 M 862	2	2.5	30 M 865	5	5.0
30 M 863	3	3.0	30 M 866	6	7.5

NET EACH 2.55



TV SIGNAL ATTENUATOR

Type QJ-3. Economically priced L-pad television signal attenuator. For use with sets having 300-ohm twin line antenna input. Minimizes interstation interference, definition loss and sound bars caused by excessive signal strength. Diminishes buzz or hum due to high signal level in intercarrier systems. Reduces overloading effects in strong signal area. In many cases, corrects or reduces horizontal or vertical flutters; also picture and sound "break-over."

Very useful device to simulate fringe-area signals. A nearly constant 300-ohm load is maintained on antenna lead-in. With mtg. bracket and instructions. 1/2" diameter, 1" deep. Shaft: 1/4" diameter, 3/8" long. Wt., 3 oz.
 29 M 915. NET 2.64

UNIVERSAL WIRE-WOUND CONTROLS



Rugged 4-watt controls. All have linear taper, except:

types with L taper for TV focus, and types with R have right-hand logarithmic taper for picture contrast. Rotation, 300° 1/4" dia., 2 1/2" deep; threaded bushing is 3/8" dia. and 3/4" long. Nickel-plated brass shafts. 1/4" type WP has round shaft, 3" long. Type WPK has 3" long "Knob Master" shaft—fits a wide variety of knobs. Type WPS has 1/4" long shaft, knurled at end and slotted. Specify Type and Ohms. Wt., 4 oz.

TYPE WPK CONTROLS

Ohms	Ohms	Ohms	Ohms	Ohms
10	300	750R	2000L	5000L
20	400	1000	2250L	6000
30	500	1350	2500	6000L
50	650	1350R	2500R	7500
100	1500	1500	3000	7500L
200	750	1500L	4000L	10,000
250	750L	2000	5000	

30 MM 216. NET EACH 1.32

12,500 | 15,000 | 20,000 | 25,000

30 MM 199. NET EACH 1.59

30,000 | 40,000 | 50,000

30 MM 856. NET EACH 1.83

TYPE WPS CONTROLS

25	500	1500	2250L	4000
40	500L	2000	2500	4000L
60	1000	2250	3000	5000

30 MM 217. NET EACH 1.32

TYPE WP CONTROLS

2	15	60	400	2500
3	20	75	500	3000
5	25	100	750	4000
6	30	200	1000	5000
8	40	250	1500	7500
10	50	300	2000	10,000

30 MM 215. NET EACH 1.32

15,000 | 20,000 | 25,000

30 MM 857. NET EACH 1.59

30,000 | 40,000 | 50,000

30 MM 858. NET EACH 1.83

TYPE WPRL CONTROLS



Locking-type controls with screw-driver slot shaft, 1/2" dia. and approximately 1/2" long from mounting face. With 3/4" locking-type bushing and locking nut. Linear taper. Specify Type and Ohms. Shpg. wt., 4 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
2	15	60	400	2500
5	20	75	500	3000
6	25	100	750	4000
8	30	200	1000	5000
10	40	250	1500	7500
10	50	300	2000	10,000

30 MM 859. NET EACH 1.56

15,000 | 20,000 | 25,000

30 MM 889. NET EACH 1.83

30,000 | 40,000 | 50,000

30 MM 890. NET EACH 2.04

SWITCHES FOR ABOVE CONTROLS

Easily attached switches for WPK, WPS, WP and WPRL controls above. Shpg. wt., 2 oz.
 30 M 218. Type 76-11. SPST. NET 75
 30 M 219. Type 76-12. DPST. EACH 75

TYPE WM MULTISECTION CONTROLS

Ruggedly constructed 4-watt "add-on" control sections. Can be attached to the WPK, WPS, WP or WPRL controls, listed above, to form dual control units. All have linear taper, except type 7500L which has left-hand logarithmic taper for TV focus. 3/8" deep. Specify Type and Ohms. Shpg. wt., 2 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
50	250	1500	3000	7500L
100	500	2000	5000	10,000
200	1000	2500		

30 MM 860. NET EACH 1.32

Ohmite Rheostats and "AB" Controls

WIREWOUND RHEOSTATS

Smooth, dependable controls with solid ceramic cores. Each turn, core and base is bonded by vitreous enamel. Copper-graphite contact brushes, except silver-graphite brushes. Ratings are at full setting. Types H, J, K, and L mount on panels up to 1/4" thick; Type N on panels up to 1/4" (thick). Specifications: Type H, dia. 1 3/8" depth behind panel 1/2"; Type J, dia. 2 3/4" depth behind panel 1/2"; Type K, dia. 3 1/4" depth behind panel 1/2"; Type L, dia. 4" depth behind panel 2"; Type N, dia. 6" depth behind panel 2 3/4". All are less knobs (see listing below Type N). Av. shpg. wt., 10 oz.



25 WATT—TYPE H			
Stock No.	Mfr's Type	Res. Ohms	NET EACH
51 M 700	0140*	1	4.63
51 M 701	0141	2	
51 M 702	0142	3	
51 M 703	0143	6	
51 M 704	0144	8	
51 M 705	0145	10	
51 M 706	0146	15	4.63
51 M 707	0147	25	
51 M 708	0148	35	
51 M 709	0149	50	
51 M 710	0150	75	4.90
51 M 711	0151	100	

50 WATT—TYPE J			
Stock No.	Mfr's Type	Res. Ohms	NET EACH
51 M 723	0308*	0.5	5.15
51 M 724	0309*	1	
51 M 725	0310*	2	
51 M 726	0311	4	
51 M 727	0312	6	
51 M 728	0313	8	4.90
51 M 729	0314	12	
51 M 730	0315	16	
51 M 731	0316	22	
51 M 732	0317	35	4.63
51 M 733	0318	50	
51 M 734	0319	75	
51 M 735	0320	125	
51 M 736	0321	150		4.63
51 M 737	0322	225	
51 M 738	0323	300	
51 M 739	0324	500	
51 M 740	0325	800	4.90
51 M 741	0326	1000	
51 M 742	0327	1600	
51 M 743	0328	2500	
51 M 744	0329	3500	5.15
51 M 745	0330	5000	
51 M 746	0331	8000	
51 M 747	0332	10,000	

100 WATT—TYPE K			
Stock No.	Mfr's Type	Res. Ohms	NET EACH
51 M 748	0440*	0.5	7.72
51 M 749	0441*	1	
51 M 750	0442*	2	
51 M 751	0443*	3	
51 M 752	0444*	5	
51 M 753	0445	7.5	7.72
51 M 754	0446	10	
51 M 755	0447	16	
51 M 756	0448	25	
51 M 757	0449	50	7.21
51 M 758	0450	75	
51 M 759	0451	100	
51 M 760	0452	200	
51 M 761	0453	300	7.21
51 M 762	0454	400	
51 M 763	0455	500	
51 M 764	0456	750	
51 M 765	0457	1000	7.72
51 M 766	0458	1500	
51 M 767	0459	2000	
51 M 768	0460	2500	
51 M 769	0461	5000	8.24
51 M 770	0462	7500	
51 M 771	0463	10,000	
51 M 772	0464	9,26	

150 WATT—TYPE L			
Stock No.	Mfr's Type	Res. Ohms	NET EACH
51 M 772	0524*	0.5	9.78
51 M 773	0525*	1	
51 M 774	0526*	2	
51 M 775	0527*	3	
51 M 776	0528*	5	
51 M 777	0529*	7.5	9.78
51 M 778	0530	10	
51 M 779	0531	15	
51 M 780	0532	25	
51 M 781	0533	35	9.26
51 M 782	0534	50	
51 M 783	0535	75	
51 M 784	0536	100	
51 M 785	0537	150	9.26
51 M 786	0538	200	
51 M 787	0539	250	
51 M 788	0540	350	
51 M 789	0541	500	9.78
51 M 790	0542	750	
51 M 791	0543	1250	
51 M 792	0544	1800	
51 M 793	0545	2250	10.30
51 M 794	0546	3000	
51 M 795	0547	4500	
51 M 796	0548	7500	
51 M 797	0549	10,000	12.35

300 WATT—TYPE N			
Stock No.	Mfr's Type	Res. Ohms	NET EACH
51 M 809	0661	100	15.29
51 M 810	0662	150	
51 M 811	0663	200	
51 M 812	0664	300	
51 M 813	0665	400	15.29
51 M 814	0666	700	
51 M 815	0667	900	
51 M 816	0668	1200	
51 M 817	0669	1500	15.29
51 M 818	0670	1750	
51 M 819	0671	2500	
51 M 820	0672	3000	

KNOBBS AND HANDWHEEL FOR RHEOSTATS

Black bakelite knobs for Ohmite rheostats. All are fluted except * which is 3/4" dia. round handwheel with pointer. Av. wt., 5 oz.

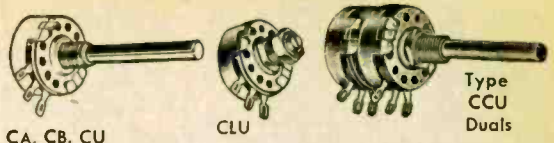
Stock No.	For Rheostat Type	NET EACH	Stock No.	For Rheostat Type	NET EACH
74 M 417	H, J, K, L	.29	74 M 419	E	.29
74 M 343	*N	1.38			

Type 5000 Dial Plate. For Type H, J, K and L. 2 1/2" diameter. Handsomely finished with bright figures and lines on etched black background. 0-100 scale. Shpg. wt., 2 oz. .29

Type 5001. Dial Plate. For Type N rheostats, above. 5 1/2" diameter. 0-100 scale division. Shpg. wt., 3 oz. .70

Type 5007 Dial Plate. For Type E rheostats, above right. 1 1/4" diameter. 0-100 scale division. Shpg. wt. 2 oz. .29

"AB" TWO-WATT POTENTIOMETERS



Scaled element, carbon slider for noise-free operation. Size: 1 1/2" dia. x 3/8"; except Type CCU, 1 1/2" x 1 1/4". 1/8" hole mtg. to 1/4" panels. 1/2" shaft, 2" long except CLU locking slotted shaft. Linear taper except * clockwise log, † counter-clockwise log. = 10% except † = 20%. 5 oz.

TYPES CA, CB, CU			
Stock No.	Type	Ohms EACH	NET EACH
28 M 500	CU5001	50	1.95
28 M 501	CU1011	100	
28 M 506	CU1511	150	
28 M 502	CU2511	250	
28 M 507	CU3511	350	
28 M 503	CU5011	500	1.95
28 M 508	CU7511	750	
28 M 504	CU1021	1000	
28 M 509	CU1521	1500	
28 M 505	CU2521	2500	
28 M 600	CU3521	3500	1.95
28 M 606	CU5021	5000	
28 M 601	CU7521	7500	
28 M 607	CU1031	10,000	
28 M 508	CB1031†	10,000	2.25
28 M 602	CU1531	15,000	1.95
28 M 609	CU2531	25,000	1.95
28 M 510	CB2531†	25,000	2.25
28 M 603	CU3531	35,000	1.95
28 M 511	CU5031	50,000	1.95

TYPE CLU—WITH LOCKING SHAFT			
Stock No.	Type	Ohms EACH	NET EACH
28 M 525	CLU5001	50	2.55
28 M 526	CLU1011	100	
28 M 527	CLU2511	250	
28 M 528	CLU5011	500	
28 M 529	CLU1021	1000	
28 M 530	CLU2521	2500	2.55
28 M 531	CLU5021	5000	
28 M 532	CLU1031	10,000	
28 M 533	CLU2531	25,000	
28 M 534	CLU5031	50,000	2.55
28 M 535	CLU1041	1 Meg.	
28 M 536	CLU2541	2.5 Meg.	
28 M 537	CLU5041	5 Meg.	
28 M 538	CLU1052	1.0 Meg.†	2.55
28 M 549	CLU2052	2.0 Meg.†	
28 M 539	CLU2552	2.5 Meg.†	
28 M 540	CLU5052	5.0 Meg.†	

TYPE CCU DUALS			
Stock No.	Type	Ohms EACH	NET EACH
28 M 541	CCU1031	10,000	5.85
28 M 542	CCU2531	25,000	
28 M 543	CCU5031	50,000	
28 M 544	CCU1041	100,000	
28 M 545	CCU2541	250,000	5.85
28 M 546	CCU5041	500,000	
28 M 547	CCU1052	1 Meg.†	

28 M 524. CS-1 SPST Switch. For AB pots. 3 oz. NET. 66

TYPE E 12 1/2-WATT MINIATURE RHEOSTATS

Extremely compact, 12 1/2-watt power rheostats for limited space applications. Rugged, all ceramic and metal construction. Built to operate at maximum hot spot temperature of 340° C. Pivoted, universal-action, metal-graphite contact brushes provide perfect contact. Resistance tolerance is ± 10%. Only 1/4" in diameter. Require 1/4" long, 1/4" diameter shaft is 1/4" long. Less knobs (below, left). Av. shpg. wt., 2 oz.

Stock No.	Type	Ohms EACH	Stock No.	Type	Ohms EACH
51 M 820	0101	1 4.63	51 M 832	0113	125 4.11
51 M 821	0102	2 4.63	51 M 833	0114	175 4.11
51 M 822	0103	3 4.63	51 M 834	0115	250 4.11
51 M 823	0104	4 4.63	51 M 835	0116	350 4.11
51 M 824	0105	8 4.63	51 M 836	0117	500 4.11
51 M 825	0106	10 4.63	51 M 837	0118	750 4.11
51 M 826	0107	15 4.11	51 M 838	0119	1000 4.63
51 M 827	0108	25 4.11	51 M 839	0120	1500 4.63
51 M 828	0109	35 4.11	51 M 840	0121	2500 4.63
51 M 829	0110	50 4.11	51 M 841	0122	3500 4.90
51 M 830	0111	75 4.11	51 M 842	0123	5000 4.90
51 M 831	0112	100 4.11			

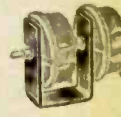
TANDEM COUPLING KITS

Kits for assembling Ohmite rheostats in tandem. Each kit consists of a steel "U" frame, mica washer, coupling, Allen wrench and complete instructions.

Type 6533 Tandem Coupling Kit. Large frame designed for Type K or L rheostats. Will accommodate Model H or J in rear position. Maximum panel thickness 1/4". Frame is 2 1/2" long, 1 1/4" wide. Wt., 4 oz. 2.51

Type 6532 Tandem Coupling Kit. Small frame designed for Type H or J, and will accommodate Type K or L in the rear position. Maximum panel thickness, 3/8". Frame is 2 1/2" long and 1 1/4" wide. 5 oz. 2.01

Type 6591 Tandem Coupling Kit. Couples two Type E rheostats. Max. panel thickness 1/4". Frame 1 1/4" long and 3/4" wide. 5 oz. 2.01



NEW STA-LOC UA UNIVERSAL CONTROLS



New UA universal single control provides snap together, ridged construction for assembling any combination of shaft, control and switch desired—in less than ten seconds without any tools. Order shaft from list below. Choice of SPST, DPST, and SPDT switches. UA controls cover every popular control from 100 ohms to 10 megohms, untapped, tapped and double-tapped, with choice of tapers. 1/2-watt sprayed carbon elements fulfill radio, TV and industrial needs. Replaces older style U, UT, UDT, and SU control types. 3/4"-32 bushing with mtg. nut. Less shaft and switch (see below). 2 oz.

UNTAPPED (Less Shaft)

Stock No.	Type	Ohms	Taper	Stock No.	Type	Ohms	Taper
28 M 000	UA12L	100	4	28 M 015	UA54R	50K	2
28 M 001	UA52L	500	4	28 M 016	UA753A	75K	1
28 M 002	UA52R	750	2	28 M 017	UA15A	100K	1
28 M 003	UA751R	150	2	28 M 018	UA15L	100K	4
28 M 004	UA13L	1K	4	28 M 019	UA15R	100K	2
28 M 005	UA13R	1K	2	28 M 020	UA1253L	125K	4
28 M 006	UA152L	1500	4	28 M 021	UA154A	150K	1
28 M 007	UA152R	1500	2	28 M 022	UA15A	200K	4
28 M 008	UA23L	2K	4	28 M 023	UA254A	250K	1
28 M 009	UA252R	2500	2	28 M 024	UA254L	250K	4
28 M 010	UA33L	3K	4	28 M 025	UA254R	250K	2
28 M 011	UA33R	5K	2	28 M 026	UA55A	500K	1
28 M 012	UA53A	5K	1	28 M 027	UA55L	500K	4
28 M 013	UA53L	5K	1	28 M 028	UA754A	750K	1
28 M 014	UA14A	10K	4	28 M 029	UA16A	1 Meg	1
28 M 030	UA14L	10K	4	28 M 042	UA16L	1 Meg	4
28 M 031	UA14R	10K	2	28 M 043	UA16R	1 Meg	2
28 M 032	UA153A	15K	1	28 M 044	UA155L	15 Meg	4
28 M 033	UA153R	15K	2	28 M 045	UA26A	2 Meg	1
28 M 034	UA24A	20K	4	28 M 046	UA26L	2 Meg	4
28 M 035	UA24L	20K	4	28 M 047	UA255L	2.5 Meg	4
28 M 036	UA253A	25K	1	28 M 048	UA36A	3 Meg	1
28 M 037	UA253L	25K	4	28 M 049	UA36L	3 Meg	4
28 M 038	UA252R	25K	2	28 M 050	UA56A	5 Meg	4
28 M 039	UA34L	30K	4	28 M 051	UA56L	5 Meg	4
28 M 040	UA54A	50K	1	28 M 052	UA56R	5 Meg	2
28 M 041	UA54L	50K	4	28 M 053	UA17L	10 Meg	4

Less shaft (listed below). NET EACH **.54**

EXPLANATION OF TAPERS

Taper No. 1: For use in audio or antenna shunt circuits.
Taper No. 2: For series circuits or cathode voltage controls.
Taper No. 4: Linear. For voltage control.

TAPPED (Less Shaft)

Stock No.	Type	Ohms	Tap	Stock No.	Type	Ohms	Tap
28 M 054	UA153T14	15K	10K	28 M 064	UA16T35	1 Meg	300K
28 M 055	UA34T23	30K	25K	28 M 065	UA16T45	1 Meg	450K
28 M 056	UA25T454	250K	50K	28 M 066	UA26T1253	2 Meg	125K
28 M 057	UA25T4154	250K	150K	28 M 067	UA26T254	2 Meg	250K
28 M 058	UA35T474	350K	70K	28 M 068	UA26T45	2 Meg	400K
28 M 059	UA55T54	500K	50K	28 M 069	UA26T65	2 Meg	600K
28 M 060	UA55T15	500K	100K	28 M 070	UA26T95	2 Meg	900K
28 M 061	UA55T154	500K	150K	28 M 071	UA36T95	3 Meg	900K
28 M 062	UA55T2253	500K	225K	28 M 072	UA325T434	3.25 Meg	300K
28 M 063	UA16T25	1 Meg	200K				

Less shaft (listed below). NET EACH **.96**

DOUBLE-TAPPED (Less Shaft)

Stock No.	Type	Ohms	Tap #1	Tap #2
28 M 073	UA55DT25	500K	100K	200K
28 M 074	UA16DT55	1 Meg	250K	500K
28 M 075	UA155DT55	1.5 Meg	225K	500K
28 M 076	UA2254DT55	2.25 Meg	250K	500K
28 M 077	UA2254DT16	2.25 Meg	500K	1 Meg
28 M 078	UA335DT155	3.3 Meg	300K	1.5 Meg

Less shaft (listed below). NET EACH **.96**

SHAFTS FOR UA CONTROLS



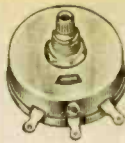
Shafts for virtually every application. Type SL3500 (Fig. E) universal shaft and Type SL2500 (Fig. D) plain round, are easily cut to shorter lengths. Type SN1000 (Fig. C) provides for insulated TV controls. Type SL2500 meets industrial needs for plain round shafts. Under "Description," figure preceding FMS indicates length from assembled front mounting surface. Av. wt., 2 oz.

Stock No.	Type	Fig.	Description	Made of:	EACH
28 M 079	SF1000	A	1/4" dia. x 1" FMS (Flatted)	Brass	.39
28 M 080	SN1000	B	1/4" dia. x 1" FMS (Knurled)	Brass	
28 M 081	SN1000	C	1/4" dia. x 1" FMS	Nylon	
28 M 082	SL2500	D	1/4" dia. x 2 1/2" FMS (Plain Round)	Aluminum	
28 M 083	SL3500	E	1/4" dia. x 3 1/2" FMS (Universal)	Aluminum	

SWITCHES FOR UA CONTROLS

These switches may be mounted on any of the above controls. Three types are available: US41 (SPST), US42 (DPST), and US43 (SPDT). Switches attach to controls firmly and easily with locking collar included. Can be readily removed in service and replaced without unsoldering control leads on UA controls or vice-versa. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Action	NET EACH
28 M 084	US41	SPST	.42
28 M 085	US42	DPST	.42
28 M 086	US43	SPDT	.54



"M" AND "MT" WIRE WOUND CONTROLS

For industrial and laboratory use as bias controls and voltage dividers. Also for replacement of positioning, hold, focus and other TV-set controls. 4 watts. Arm insulated from shaft. 20° rotation. Knurled 1/4" shaft is 1/4" long; has screwdriver slot. "M" shaft hollow to accept DS-36 shafts (see below). MT types center-tapped TV units. 1 1/2" dia. x 3/8". Mount in 1/4" hole. Linear taper. Shpg. wt., 4 oz.

POTENTIOMETERS

Stock No.	Type	Ohms	EA.	Stock No.	Type	Ohms	EA.
29 M 424	M1PK	1	1.35	29 M 411	M500PK	500	1.35
29 M 425	M3PK	3		29 M 412	M600PK	600	
29 M 426	M6PK	6		29 M 413	M1MPK	1000	
29 M 427	M10PK	10		29 M 414	M2MPK	2000	
29 M 428	MT10PK	10	1.32	29 M 432	M2.5MPK	2500	1.35
29 M 400	M15PK	15	1.35	29 M 415	M3MPK	3000	
29 M 401	M20PK	20	1.35	29 M 416	M4MPK	4000	
29 M 429	MT20PK	20	1.32	29 M 417	M5MPK	5000	
29 M 402	M25PK	25	1.35	29 M 418	M10MPK	10000	1.47
29 M 403	M30PK	30	1.35	29 M 419	M15MPK	15000	
29 M 430	MT30PK	30	1.35	29 M 420	M20MPK	20000	
29 M 404	M40PK	40	1.35	29 M 421	M25MPK	25000	
29 M 405	M50PK	50	1.35	29 M 422	M50MPK	50000	1.74
29 M 406	M60PK	60		29 M 423	M70MPK	70000	
29 M 407	M75PK	75		29 M 433	M75MPK	75000	
29 M 408	M100PK	100		29 M 434	M100MPK	100000	
29 M 409	M200PK	200					
29 M 410	M400PK	400					

RHEOSTATS

Have open or off position counter-clockwise.

Stock No.	Type	Ohms	Amps	Stock No.	Type	Ohms	Amps
29 M 451	M05RKR	1/2	2.80	29 M 459	M20RK	20	.45
29 M 452	M1RKR	1	2.00	29 M 460	M25RK	25	.40
29 M 453	M2RKR	2	1.40	29 M 461	M30RK	30	.37
29 M 454	M3RKR	3	1.15	29 M 462	M40RK	40	.32
29 M 455	M4RKR	4	1.00	29 M 463	M50RK	50	.28
29 M 456	M6RKR	6	.82	29 M 464	M60RK	60	.26
29 M 457	M10ORK	10	.63	29 M 465	M75RK	75	.23
29 M 458	M15RKR	15	.52	29 M 466	M100RK	100	.20

NET EACH **.93**
29 M 651. Type 395 Dial Plate. For "M" Controls. 2 oz. NET **.21**

2-WATT TV CONTROLS



Two-watt wirewound potentiometers designed especially for replacement of television controls. Also excellent for use as voltage dividers and bias controls. Insulated contact arm type, linear taper. Special dual contactor mechanism. 900 volts AC insulation between resistance element and chassis. 29° rotation. Taper 4. 1 1/2" in diameter. Knurled stub shaft has screwdriver slot. Center-tapped. 3/4" bushing. Shpg. wt., 4 oz.

Stock No.	R20L	Ohms	NET	Stock No.	Type	Ohms	NET
29 M 835	R20L	20	.93	29 M 842	R1000L	1000	.93
29 M 836	R20C*	20	1.32	29 M 843	R1500L	1500	
29 M 837	R25L	25	.93	29 M 844	R2500L	2500	
29 M 838	R30L	30	.93	29 M 845	R3000L	3000	
29 M 839	R30C*	30	1.32	29 M 846	R5000L	5000	
29 M 840	R50L	50	.93	29 M 692	R7500L	7500	
29 M 841	R100L	100		29 M 693	R1000L	10000	
29 M 842	R250L	250		29 M 694	R15ML	15000	
29 M 834	R500L	500		29 M 695	R20ML	20000	

29 M 985. DS-36 Special 3" Extension Shaft. For tubular shaft TV 2-watt controls, and Type "M" pots. Wt., 2 oz. NET **.33**
29 M 987. EB-214 Special Bushing. Dimensions 1/2"—28 thread, 2 1/2" long with 403" milled flat. Shpg. wt., 2 oz. NET **.54**

NEW TYPE VW WIREWOUND 5-WATT CONTROLS



Miniature 5-watt potentiometers. Very small size for this wattage rating; ideal for limited space applications. Case size only 1/2" in diameter by 1/2" in depth. Bushing: 1/2 x 1/4" diameter and length. Has 1/4" plain round shaft. 2 1/2" long from mounting surface. Linear taper. Tolerance ±5%. 305° mechanical rotation; 275° electrical rotation. High-quality construction throughout for dependable operation and stability. Av. shpg. wt., 4 oz.

Stock No.	Type	Ohms	EA.	Stock No.	Type	Ohms	EA.
28 M 087	VW-1	1	1.38	28 M 105	VW-300	300	1.38
28 M 088	VW-2	2	1.38	28 M 106	VW-400	400	1.38
28 M 089	VW-3	3	1.38	28 M 107	VW-500	500	1.38
28 M 090	VW-5	5	1.38	28 M 108	VW-600	600	1.38
28 M 091	VW-6	6	1.38	28 M 109	VW-750	750	1.38
28 M 092	VW-8	8	1.38	28 M 110	VW-1K	1K	1.38
28 M 093	VW-10	10	1.38	28 M 111	VW-1P5K	1.5K	1.44
28 M 094	VW-15	15	1.38	28 M 112	VW-2K	2K	1.44
28 M 095	VW-20	20	1.38	28 M 113	VW-2P5K	2P5K	1.44
28 M 096	VW-25	25	1.38	28 M 114	VW-3K	3K	1.44
28 M 097	VW-30	30	1.38	28 M 115	VW-4K	4K	1.44
28 M 098	VW-35	35	1.38	28 M 116	VW-5K	5K	1.44
28 M 099	VW-50	50	1.38	28 M 117	VW-7P5K	7P5K	1.50
28 M 100	VW-60	60	1.38	28 M 118	VW-10K	10K	1.50
28 M 101	VW-75	75	1.38	28 M 119	VW-15K	15K	1.56
28 M 102	VW-100	100	1.38	28 M 120	VW-20K	20K	1.56
28 M 103	VW-200	200	1.38	28 M 121	VW-25K	25K	1.65
28 M 104	VW-250	250	1.38				

Outstanding Buys in Resistors and Capacitors

SAVE UP TO 80% ON SELECTED VALUES AND BARGAIN ASSORTMENTS

PKG. OF 100 INSULATED CARBON RESISTORS

Giant Saving
Only
\$1.89

Pkg. of 100

- Assorted Values
- 1/2-Watt and 1-Watt

Here is your chance to build up your resistor inventory at a fraction of what it would normally cost. End delays on building projects and service jobs due to missing resistors. Each kit contains one hundred insulated resistors—fifty 1/2-watt and fifty 1-watt values in a wide variety of ohmage to cover almost any need. All are American made and have standard RCTMA (EIA) color coding for easy value identification. Shpg. wt., 6 oz.
28 M 550. Pkg. of 100. ONLY 1.89



VOLUME CONTROL PACKAGE

Pkg. of 10
Only
\$1.49

- Popular Values
- Standard Sizes

A handy kit of 10 volume controls including 500, 2000, 250K, 1 meg and 5 megohm values in each kit, plus 5 other assorted values. Latest tub mounting types as well as standard threaded bushing types are included with a variety of shaft lengths. Shpg. wt., 12 oz.
28 M 551. Pkg. of 10. ONLY 1.49



BARGAIN CAPACITOR BUY

Reg. Only
\$1.20 98c

Exact Replacement
For 8 Values

Stock up on this dual section electrolytic capacitor. It's an exact replacement for 8 popular standard 150 WVDC types commonly used in printed circuit home radio receivers. Nominally rated 40 to 80 mfd and 30 to 60 mfd with common negative. Replaces 50-30, 70-30, 75-30, 60-40, 80-40, 50-50, 70-50 and 80-50 mfd. as well as single electrolytics within its voltage rating. Order several of these versatile units now. 2 1/2 x 1 1/2". Shpg. wt., 6 oz.
19 L 415. ONLY 98



CENTRALAB CERAMIC DISC CAPACITOR ASSORTMENT

Pkg. of 20

Save Only
65% 99c

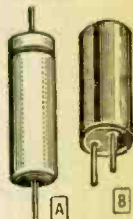
Regularly, \$3.00. Now you can have a stock of these stable, high-quality disc capacitors at lowest price. Each assortment includes 20 ceramic "Hi-Kaps" ranging from 15 to 5000 mfd in 600 to 1000 WVDC ratings. 1/2 x 1/2". 1 lb.
58 L 448. Pkg. of 20. ONLY 99



MAKE ALLIED YOUR HEADQUARTERS FOR BARGAIN VALUES IN HIGH-QUALITY ELECTRONIC PARTS

LOW-PRICED, LOW-VOLTAGE MINIATURE ELECTROLYTICS

Pkg. of 10
Only
99c



Save
80%

A Axial Lead Miniatures, \$5.00 value! Use as cathode bypass and in transistor and other low voltage circuits. American made. Each assortment contains 10 mfd @ 2WVDC, 15 mfd @ 10 WVDC, 5 mfd @ 12 WVDC, 5 mfd @ 25 WVDC, 1 mfd @ 50 WVDC plus 5 other 3 to 50 WVDC values. Wt., 12 oz.
11 L 130. Pkg. of 10. ONLY 99

B Upright Miniature Electrolytics, \$5.00 value! For printed circuits. American made. Each assortment includes 50 mfd @ 3 WVDC, 40 mfd @ 4.5 WVDC, 15 mfd @ 15 WVDC, 8 mfd @ 25 WVDC, 1 mfd @ 50 WVDC plus 5 other 3 to 50 WVDC values. Wt. 12 oz.
11 L 126. Pkg. of 10. ONLY 99

PLASTIC TUBULAR CAPACITORS

Save Only
50% 69c

Ten of the most popular capacitor values in 200 and 400 WVDC ratings at a real saving. Famous-brand American made plastic tubulars—sorry, we cannot mention the manufacturer's name at this price. Molded in extra hard, non-inflammable bakelite; resistant to moisture, high temperature and shock. With extra strong copper-weld leads. Shpg. wt., 1 lb
11 L 167. Pkg. of 10. ONLY 69



1/2-WATT CARBON RESISTOR ASSORTMENT

Only
\$3.69

Pkg. of 100

- Most Popular Values
- Latest Production Run

Latest production of an American manufacturer of quality resistors. Each kit contains an almost complete inventory of 1/2-watt, 10% carbon composition resistors in 50 of the most popular and useful values. Includes two of each value: 10, 27, 33, 39, 47, 68, 100, 150, 180, 220, 270, 330, 390, 470, 560, 680, 1000, 1500, 2700, 3300, 3900, 4700, 5600, 6800, 10K, 15K, 18K, 27K, 33K, 39K, 47K, 56K, 68K, 100K, 270K, 330K, 390K, 470K, 560K, 680K, 1 meg, 3.3 meg, 3.9 meg, 4.7 meg, 5.6 meg, 6.8 meg, 10 meg, 15 meg, 18 meg, and 22 meg.

Most other values and wattages can be obtained by adding these values in series or parallel. An outstanding bargain—order several packages now and have a complete supply. Shpg. wt., 1 lb.
28 M 554. Pkg. of 100. ONLY 3.69



Only
\$1.98

Pkg. of 50

50 Assorted Resistors. Same first-quality carbon composition resistors as above but only 25 different values, two of each. Values are most useful ones: 10, 33, 47, 68, 100, 220, 470, 560, 680, 1000, 2700, 3300, 3900, 4700, 5600, 6800, 10K, 33K, 39K, 47K, 100K, 330K, 390K, 470K and 1 meg. Make additional values by putting these in series or parallel. Order this assortment as well as the one above. If you want to maintain a balanced inventory of resistors below 1 megohm. Tolerances are ±10% with 1/2-watt rating. Shpg. wt., 10 oz.
28 M 555. Pkg. of 50. ONLY 1.98

Only
\$1.29

Pkg. of 25

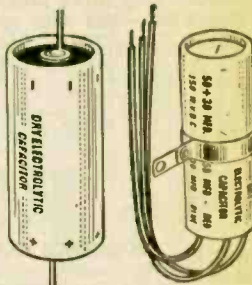
25 Assorted Resistors. Same first-quality carbon composition resistors as above but only 25 different values, one of each value. Values are 10, 33, 47, 68, 100, 220, 470, 560, 680, 1000, 2700, 3300, 3900, 4700, 5600, 6800, 10K, 33K, 39K, 47K, 100K, 330K, 390K, 470K, and 1 meg. Make additional values by putting these in series or parallel. 10% tolerance with 1/2-watt rating. 6 oz.
28 M 556. Pkg. of 25. ONLY 1.29

TUBULAR ELECTROLYTIC CAPACITORS IN MOST POPULAR VALUES

Save Up To **60%**

May Be Assorted For Lowest Price, Even Greater Savings

First quality American-made tubular electrolytic capacitors at savings that can't be beat. Sorry, the manufacturer will not allow us to mention his name at these prices. Stock up now on single and multiple section types. Single section capacitors have hermetically sealed aluminum can with insulating cardboard sleeve and extra heavy #18 tinned copper leads—3" minimum length. Maximum operating temperature, 185°F. Multiple section capacitors are doubly insulated and wax-filled for moisture resistance. With #22 stranded vinyl-insulated tinned copper leads, 6" minimum length, double-tinned stripped ends. Convenient mounting strap already attached. Maximum operating temperature, 167°F. Both types are conservatively designed for long-life, trouble-free service. Shpg. wt., 4 oz.



Stock No.	Mfd	WVDC	Reg. Price	May Be Assorted Values For Quantity Price		
				1-4, EA.	5-9, EA.	10-Up, EA.
10 L 992	150	150	1.12	.77	.73	.68
10 L 993	200	200	1.70	1.15	1.07	.98
10 L 994	20	450	.91	.55	.52	.49
10 L 995	40	450	1.06	.66	.62	.58
10 L 996	80	450	1.63	.99	.94	.88
10 L 997	50-30	150	1.15	.45	.43	.40
10 L 998	50-30-20	150	1.56	.72	.67	.62

Sprague Ceramic Capacitors



"CERA-MITE" DISC CERAMIC CAPACITORS

Ultra-compact ceramic disc capacitors. In EIA (RETMA) and other popular values. High by-pass efficiency in critical circuits. Moisture-proof coating. Tolerances: 1000 WVDC types = ±20%. 3000 WVDC types 1.5 mmf. ±.25 mmf.; 4.7 mmf. ±.5 mmf.; thru 68 mmf. ±.10%; thru 500 mmf. ±20%. All capacitors are "tagged" for easy identification. Sizes range from 1/4" to 3/4". Average shpg. wt., 2 oz.

SERIES 5GA—1000 WVDC

Stock No.	Type	Mmf	Stock No.	Type	Mmf
16 L 300	V50	5	16 L 330	T25	250
16 L 300	V60	6	16 L 330	T27	270
16 L 302	V75	7.5	16 L 332	T30	300
16 L 303	V80	8	16 L 333	T33	330
16 L 304	Q10	10	16 L 334	T35	350
16 L 305	Q12	12	16 L 335	T36	360
16 L 306	Q15	15	16 L 336	T39	390
16 L 307	Q18	18	16 L 337	T40	400
16 L 308	Q20	20	16 L 338	T47	470
16 L 309	Q22	22	16 L 339	T50	500
16 L 310	Q25	25	16 L 340	T56	560
16 L 311	Q27	27	16 L 341	T60	600
16 L 312	Q30	30	16 L 342	T68	680
16 L 313	Q33	33	16 L 343	T75	750
16 L 314	Q39	39	16 L 344	T80	800
16 L 315	Q47	47	16 L 345	T82	820
16 L 316	Q50	50	16 L 670	D10	001*
16 L 317	Q56	56	16 L 347	D12	001*
16 L 318	Q68	68	16 L 348	D13	001*
16 L 319	Q75	75	16 L 671	D15	001*
16 L 320	Q82	82	16 L 350	D16	001*
16 L 321	Q91	91	16 L 351	D18	001*
16 L 322	T10	100	16 L 352	D20	002**
16 L 323	T12	120	16 L 353	D22	002**
16 L 324	T13	130	16 L 354	D25	002**
16 L 325	T15	150	16 L 355	D27	002**
16 L 326	T18	180	16 L 356	D30	003**
16 L 327	T20	200	16 L 357	D33	003**
16 L 328	T22	220	16 L 358	D39	003**
16 L 329	T24	240	16 L 359	D40	004**

NET EACH	Type	Mmf	EACH
16 L 360	D43	.0043	.15
16 L 361	D47	.0047	.18
16 L 362	D50	.005	.18
16 L 363	S10	.01	.18
16 L 364	S20	.02	.18

SERIES 30GA—3000 WVDC

Stock No.	Type	Mmf	Stock No.	Type	Mmf
16 L 387	V15	1.5	16 L 377	T10	100
16 L 370	V47	4.7	16 L 378	T12	120
16 L 371	T10	100	16 L 379	T12	120
16 L 372	Q15	15	16 L 380	T18	180
16 L 373	Q25	25	16 L 381	T20	200
16 L 374	Q30	30	16 L 382	T22	220
16 L 389	Q39	39	16 L 383	T25	250
16 L 375	Q50	50	16 L 384	T27	270
16 L 390	Q60	60	16 L 385	T30	300
16 L 376	Q68	68	16 L 386	T50	500

NET EACH .24

SINGLE AND DUAL HIGH-K TYPES SERIES 5HK—500 AND 1000 WVDC

Stock No.	Type	Mfd	WVDC	NET
15 L 672	D20	.002	1000	.15
15 L 673	D50	.005	1000	.15
15 L 674	S10	.010	500	.18
19 L 950	S20	.02	500	.36
19 L 951	S30	.03	500	.39
19 L 952	S40	.04	500	.42
19 L 953	S50	.05	500	.42
19 L 954	P10	.1	500	.96
15 L 675	2D10	2x.001	1000	.24
15 L 676	D15	2x.015	1000	.24
15 L 677	2D20	2x.002	1000	.24
15 L 678	2D40	2x.004	1000	.27

DOORKNOB CAPACITORS

High-voltage, 500-mmf plastic capacitors for replacement use in all types of TV sets. Moisture-resistant, thermostetting molded plastic. Molded guard rings insulate surface leakage paths. Capacitor body has threaded ends for variety of screw-in terminals. 20DK-T5's supplied with 14 terminals (2 of each type shown). Type 30DK-T5 with only 2 terminals indicated by * Shpg. wt., 4 oz.

Stock No.	Type	KV Rating	Dia.	Length	NET
15 L 599	20DK-T5	20	1 1/2 x 1 1/2"	2.22"	.39
15 L 597	30DK-T5	30	1 3/4 x 1 3/4"	1.76"	.39

"TC" CALCULATOR

Handy slide-rule. Determines values of NPO and N750 ceramics to be connected in parallel to equal desired intermediate temperature coefficient and capacity. Shpg. wt., 4 oz. .15

SERIES 10TCC NPO CERAMICS

Zero temperature-coefficient capacitors. 1000 WVDC. All capacitors listed below are of the disc type. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
19 L 955	V10	1.0	19 L 961	Q10	10.0
19 L 956	V15	1.5	19 L 962	Q15	15.0
19 L 957	V22	2.2	19 L 963	Q20	20.0
19 L 958	V33	3.3	19 L 964	Q22	22.0
19 L 959	V47	4.7	19 L 965	Q25	25.0
19 L 960	V68	6.8	19 L 966	Q33	33.0

NET EACH .30

Stock No.	Type	Mmf	EACH
19 L 967	Q39	39.0	.33
19 L 968	Q47	47.0	.33
19 L 969	Q50	50.0	.33
19 L 970	Q68	68.0	.33
19 L 971	Q75	75.0	.33
19 L 972	T10	100.0	.33
19 L 973	T12	120.0	.36
19 L 974	T15	150.0	.36
19 L 975	T175	175.0	.30
19 L 976	T22	220.0	.42
19 L 977	T27	270.0	.48

SERIES 10TCC N750 CERAMICS

A negative temperature coefficient capacitor with a negative change of 750 parts per million per degree Centigrade. 1000 WVDC. All capacitors listed below are disc type except *rectangular. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
19 L 978	V50*	5	19 L 986	Q68	68
19 L 979	Q10	10	19 L 987	Q75	75
19 L 980	Q15	15	19 L 988	T10	100
19 L 981	Q20	20	19 L 989	T15	150
19 L 982	Q22	22	19 L 990	T20	200
19 L 983	Q25	25	19 L 991	T22	220
19 L 984	Q33	33	19 L 992	T33	330
19 L 985	Q47	47			

NET EACH .30

Stock No.	Type	Mmf	EACH
19 L 993	T47	470	.42
19 L 994	T68	680	.48

SERIES BL BUFFER CERAMICS

2000 WVDC disc ceramic type capacitors for buffer applications. Tiny, rugged construction. Moisture-proof coating assures high dependability. Perfect for use in highly compact equipment. Tolerance, ±20%. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Mfd	Stock No.	Mfr's Type	Mfd
16 L 290	BL-D10	.001	16 L 295	BL-D60	.006
16 L 291	BL-D20	.002	16 L 296	BL-D70	.007
16 L 292	BL-D30	.003	16 L 297	BL-D75	.0075
16 L 293	BL-D40	.004	16 L 298	BL-D80	.008
16 L 294	BL-D50	.005	16 L 299	BL-S10	.01

NET EACH .21



UNIVERSAL CERAMICS

Offers large variety of ratings. Includes complete instructions. *Guaranteed minimum value; † has tolerance of ±20%. Rated at 500 WVDC. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Capacity Range, Mfd	Size	NET EACH
15 L 216	*UHK-1	001-.004	3 1/2 x 3/8 x 3/8"	.30
15 L 217	*UHK-2	0025-.015	1 1/2 x 3/8 x 3/8"	.36
15 L 218	†UGA-1	0008-.0013	2 1/2 x 3/8 x 3/8"	.30
15 L 219	†UGA-2	0006-.0027	1 1/2 x 3/8 x 3/8"	.36

CERAMIC CAPACITOR KIT

CK-4. Handles 90% of all ceramic, molded tubular, and mica replacements. 3 each: UHK-1, UHK-2, UGA-1 and UGA-2. With instructions. 3 1/2 x 8 1/2". Wt., 3 oz. 3.96

CAPACITOR INDICATOR



Type C-751. Reads color codes directly in capacitance, tolerance, and voltage. Wt., 2 oz. .21

TEMPERATURE-STABLE CERAMICS



These dependable ceramics are excellent for use wherever minimum capacitance change, with variation in temperature, is an important consideration. Compact size permits easy installation, even in tight spaces. Standard capacitance tolerance, ±10%. Rated at 1000 working volts, DC. Diameter ranges in size from 1/4" to 7/8". Largest thickness, 3/32". Maximum continuous operating temperature, +85°C. *Rated in mfd. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
28 L 900	V33	3.3	28 L 920	T24	240
28 L 901	V50	5	28 L 921	T25	250
28 L 902	V60	6	28 L 922	T27	270
28 L 903	V68	6.8	28 L 923	T30	300
28 L 904	V75	7.5	28 L 924	T33	330
28 L 905	V80	8	28 L 925	T35	350
28 L 906	Q10	10	28 L 926	T36	360
28 L 907	Q12	12	28 L 927	T39	390
28 L 908	Q15	15	28 L 928	T40	400
28 L 909	Q18	18	28 L 929	T47	470
28 L 910	Q20	20	28 L 930	T50	500
28 L 911	Q22	22	28 L 931	T56	560
28 L 912	Q25	25	28 L 932	T60	600
28 L 913	Q27	27	28 L 933	T68	680
28 L 914	Q30	30	28 L 934	T75	750
28 L 915	Q33	33	28 L 935	T80	800
28 L 916	Q39	39	28 L 936	T82	820
28 L 917	Q47	47	28 L 937	D10	001*
28 L 918	Q50	50	28 L 938	D12	001*
28 L 919	Q56	56	28 L 939	D13	001*
28 L 940	Q68	68	28 L 951	D15	001*
28 L 941	Q75	75	28 L 952	D16	001*
28 L 942	Q82	82	28 L 953	D18	001*
28 L 943	Q91	91	28 L 954	D20	002*
28 L 944	T10	100	28 L 955	D22	002*
28 L 945	T12	120	28 L 956	D25	002*
28 L 946	T13	130	28 L 957	D27	002*
28 L 947	T15	150	28 L 958	D30	003*
28 L 948	T18	180	28 L 959	D33	003*
28 L 949	T20	200	28 L 960	D39	003*
28 L 950	T22	220	28 L 961	D40	004*

NET EACH .15

28 L 962	D43	.0043	28 L 967	D75	.0075*
28 L 963	D47	.0047	28 L 968	S10	.01*
28 L 964	D50	.005	28 L 969	S15	.015*
28 L 965	D56	.0056	28 L 970	S20	.02*
28 L 966	D68	.0068			

NET EACH .18

CERAMIC CAPACITORS FOR TRANSISTORIZED CIRCUITS



Especially designed for circuits requiring extremely small components. Ideal for printed circuits, transistor-type radios, etc. Provide very dependable service in bypass and coupling applications. Have excellent humidity resistance.

A Type TG. Have heavy, protective coating. All are rated at 50 working volts, DC. Have tolerance of +80% to -20% except S25, which is +80% to -30%.

Stock No.	Type	Mfd	Dia.	Wt.	NET
15 L 995	D50	.005	1/4"	2oz.	.27
15 L 996	S10	.01	1/4"	3oz.	.39
15 L 997	S25	.025	1/4"	3oz.	.39
15 L 998	S50	.05	1/4"	3oz.	.42
15 L 999	P10	.1	3/4"	4oz.	.54

B Monolithic Type. Solid homogeneous block construction assures excellent humidity resistance. Rated 25 working volts, DC. Temperature rating, -55°C to +85°C. Tolerance, ±20%. Size, 1/4 x 1/4 x 1/8". Shpg. wt., 2 oz.

Stock No.	Type	Mfd	NET
16 L 698	5C9	.22	1.06
16 L 699	5C10	.33	1.20
16 L 825	5C11	.47	1.38
16 L 823	5C12	.68	1.48
16 L 824	5C13	1.0	1.96

A Hypercon Type. Highly dependable, ultra-miniature ceramic discs. Superior to electrolytic capacitors of similar capacitance values, due to very low power factor. Tolerance, guaranteed minimum value. All are rated 3 working volts, DC. Shpg. wt., 2 oz.

Stock No.	Type	Mfd	Dia.	NET
16 L 671	HY-120	.1	.225"	.54
16 L 672	HY-125	.22	.275"	.33
16 L 673	HY-130	.47	.400"	.33
16 L 674	HY-135	1.0	.595"	.45
16 L 675	HY-150	2.2	.840"	.54



"ORANGE DROP" CAPACITORS "MYLAR"-PAPER

Extremely small tubular capacitors. Dual dielectric windings, rock hard case, radial leads. Exact replacements in printed circuits of RCA, Philco and G.E. Double-dipped in orange epoxy resin to guard against heat and moisture. ± 10% Wt., 2 oz.

Stock No.	Type	Mfd	WVDC	Size	EACH
28 L 700	2PS-S20	.02	200	3/8x1 1/2"	.15
28 L 826	2PS-S22	.022	200	2 3/4x3 1/2"	.15
28 L 701	2PS-S47	.047	200	2 3/4x3 1/2"	.15
28 L 702	2PS-S50	.05	200	1 1/2x2 1/2"	.15
28 L 703	2PS-P10	.1	200	3/4x1 1/2"	.21
28 L 825	2PS-P20	.2	200	1 1/2x1 1/2"	.24
28 L 704	2PS-P25	.25	200	3/4x1 1/2"	.24
28 L 912	2PS-P47	.47	200	4 3/4x1 1/2"	.36
28 L 705	2PS-P50	.5	200	2 1/2x1 1/2"	.36
28 L 706	4PS-S10	.01	400	1 1/2x1 1/2"	.15
28 L 824	4PS-S15	.015	400	2 3/4x1 1/2"	.15
28 L 707	4PS-S20	.02	400	1 1/2x1 1/2"	.15
28 L 708	4PS-S30	.03	400	2 3/4x1 1/2"	.18
28 L 709	4PS-S47	.047	400	2 3/4x1 1/2"	.18
28 L 710	4PS-S50	.05	400	2 3/4x1 1/2"	.18
17 L 911	4PS-S68	.068	400	2 3/4x1 1/2"	.21
28 L 711	4PS-P10	.1	400	1 1/2x1 1/2"	.24
28 L 823	4PS-P15	.15	400	1 1/2x1 1/2"	.24
28 L 712	4PS-P20	.2	400	1 1/2x1 1/2"	.27
28 L 713	4PS-P22	.22	400	1 1/2x1 1/2"	.27
28 L 714	4PS-P25	.25	400	4 3/4x1 1/2"	.30
28 L 715	6PS-D10	.01	600	2 3/4x1 1/2"	.15
28 L 716	6PS-D15	.015	600	2 3/4x1 1/2"	.15
28 L 717	6PS-D20	.02	600	2 3/4x1 1/2"	.15
28 L 718	6PS-D22	.022	600	2 3/4x1 1/2"	.15
28 L 719	6PS-D30	.03	600	1 1/2x1 1/2"	.15
17 L 914	6PS-D33	.033	600	2 3/4x1 1/2"	.15
28 L 720	6PS-D40	.04	600	2 3/4x1 1/2"	.15
28 L 721	6PS-D47	.047	600	2 3/4x1 1/2"	.15
28 L 722	6PS-D50	.05	600	2 3/4x1 1/2"	.15
28 L 723	6PS-D60	.06	600	1 1/2x1 1/2"	.15
28 L 724	6PS-D68	.068	600	2 3/4x1 1/2"	.18
17 L 900	6PS-D75	.075	600	2 3/4x1 1/2"	.18
28 L 831	6PS-D80	.08	600	2 3/4x1 1/2"	.18
28 L 725	6PS-S10	.01	600	4 3/4x1 1/2"	.18
28 L 726	6PS-S15	.015	600	2 3/4x1 1/2"	.18
28 L 727	6PS-S20	.02	600	1 1/2x1 1/2"	.18
28 L 728	6PS-S22	.022	600	1 1/2x1 1/2"	.18
17 L 901	6PS-S25	.025	600	1 1/2x1 1/2"	.21
28 L 729	6PS-S30	.03	600	1 1/2x1 1/2"	.21
17 L 903	6PS-S35	.035	600	1 1/2x1 1/2"	.21
28 L 730	6PS-S40	.04	600	1 1/2x1 1/2"	.21
28 L 731	6PS-S47	.047	600	1 1/2x1 1/2"	.24
28 L 732	6PS-S50	.05	600	1 1/2x1 1/2"	.24
17 L 904	6PS-S56	.056	600	1 1/2x1 1/2"	.24
28 L 829	6PS-S60	.06	600	1 1/2x1 1/2"	.27
17 L 905	6PS-S68	.068	600	1 1/2x1 1/2"	.27
17 L 907	6PS-S75	.075	600	1 1/2x1 1/2"	.27
28 L 830	6PS-S82	.082	600	1 1/2x1 1/2"	.27
28 L 733	6PS-P10	.1	600	3 1/2x1 1/2"	.27
17 L 913	6PS-P15	.15	600	4 3/4x1 1/2"	.30
28 L 734	6PS-P20	.2	600	3 1/2x1 1/2"	.38
17 L 908	6PS-P22	.22	600	2 3/4x1 1/2"	.42
28 L 735	6PS-P25	.25	600	1 1/2x1 1/2"	.45
28 L 736	10PS-D10	.01	1000	3 1/2x1 1/2"	.30
28 L 828	10PS-D15	.015	1000	1 1/2x1 1/2"	.30
28 L 737	10PS-D20	.02	1000	1 1/2x1 1/2"	.30
28 L 827	10PS-D22	.022	1000	1 1/2x1 1/2"	.30
28 L 828	10PS-D30	.03	1000	1 1/2x1 1/2"	.30
17 L 909	10PS-D40	.04	1000	1 1/2x1 1/2"	.30
28 L 739	10PS-D47	.047	1000	1 1/2x1 1/2"	.30
28 L 740	10PS-D50	.05	1000	1 1/2x1 1/2"	.30

"BLACK BEAUTY"—"MYLAR" PAPER TELECAPS

Hi-temp molded plastic cased tubular. Highly resistant to heat and moisture; ruggedly built; completely insulated. Features special "DIFILM" ("Mylar" paper) type dielectric. 200 to 1000 v. types operate to 105° C; 1600 v. and up types, operate to 85° C. 1,000-6,000 v. types are oil impregnated. All are ± 10% tolerance. Av. shpg. wt., 3 oz.



200 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
15 L 120	2TM-S20	.02	3/8x1 1/2"	.15
15 L 000	2TM-S22	.022	3/8x1 1/2"	.15
15 L 149	2TM-S47	.047	3/8x1 1/2"	.15
15 L 121	2TM-S50	.05	3/8x1 1/2"	.15
15 L 145	2TM-P15	.15	1 1/2x1 1/2"	.21
15 L 146	2TM-P22	.22	3/4x1 1/2"	.24
15 L 147	2TM-P25	.25	3/4x1 1/2"	.24
15 L 148	2TM-P47	.47	3/4x2 1/2"	.36
15 L 123	2TM-P50	.5	3/4x2 1/2"	.36
15 L 124	2TM-M1	1.0	3/4x2 1/2"	.63

400 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EA.
15 L 125	4TM-S10	.01	3/8x1 1/2"	.15
15 L 001	4TM-S15	.015	3/8x1 1/2"	.15
15 L 126	4TM-S20	.02	3/8x1 1/2"	.15
15 L 011	4TM-S22	.022	3/8x1 1/2"	.15
15 L 127	4TM-S25	.025	3/8x1 1/2"	.18
15 L 003	4TM-S30	.03	3/8x1 1/2"	.18
15 L 004	4TM-S40	.04	3/8x1 1/2"	.18
15 L 014	4TM-S47	.047	3/8x1 1/2"	.18
15 L 127	4TM-S50	.05	3/8x1 1/2"	.18
15 L 015	4TM-S68	.068	3/8x1 1/2"	.21
15 L 128	4TM-P10	.1	1 1/2x1 1/2"	.21
15 L 011	4TM-P15	.15	3/8x1 1/2"	.24
15 L 521	4TM-P20	.2	3/8x1 1/2"	.24
15 L 012	4TM-P22	.22	3/8x1 1/2"	.27
15 L 129	4TM-P25	.25	3/8x1 1/2"	.30
15 L 005	4TM-P47	.47	3/4x2 1/2"	.45
15 L 017	4TM-P50	.5	3/4x2 1/2"	.45
15 L 009	4TM-M1	1.0	1x2 1/2"	.75

600 VOLTS DC WORKING

Stock	Type	Mfd	Size	EA.
16 L 250	6TM-T10	.0001	3/8x1"	.15
16 L 251	6TM-T25	.00025	3/8x1"	.15
16 L 252	6TM-T40	.0004	3/8x1"	.15
16 L 253	6TM-T50	.0005	3/8x1"	.15
16 L 070	6TM-D10	.001	3/8x1"	.15
15 L 084	6TM-D15	.0015	3/8x1"	.15
15 L 071	6TM-D20	.002	3/8x1"	.15
15 L 092	6TM-D22	.0022	3/8x1"	.15
15 L 072	6TM-D30	.003	3/8x1"	.15
15 L 522	6TM-D33	.0033	3/8x1"	.15
15 L 073	6TM-D40	.004	3/8x1 1/4"	.15
15 L 093	6TM-D47	.0047	3/8x1 1/4"	.15
15 L 074	6TM-D50	.005	3/8x1 1/4"	.15
15 L 075	6TM-D60	.006	3/8x1 1/4"	.15
16 L 254	6TM-D68	.0068	3/8x1 1/4"	.18
15 L 523	6TM-D80	.008	3/8x1 1/4"	.18
15 L 076	6TM-S10	.01	3/8x1 1/4"	.18
15 L 094	6TM-S15	.015	3/8x1 1/4"	.18
15 L 077	6TM-S20	.02	3/8x1 1/4"	.18
16 L 255	6TM-S22	.022	3/8x1 1/4"	.21
15 L 078	6TM-S30	.03	3/8x1 1/4"	.21
15 L 066	6TM-S33	.033	3/8x1 1/4"	.21
15 L 079	6TM-S40	.04	1 1/2x1 1/2"	.24
15 L 098	6TM-S47	.047	1 1/2x1 1/2"	.24
15 L 080	6TM-S50	.05	1 1/2x1 1/2"	.24
15 L 081	6TM-S60	.06	1 1/2x1 1/2"	.24
15 L 007	6TM-S68	.068	1 1/2x1 1/2"	.27

600 VOLTS DC WORKING (Cont'd)

Stock No.	Type	Mfd	Size	EACH
15 L 082	6TM-P10	.1	3/8x1 1/2"	.27
15 L 524	6TM-P15	.15	3/8x1 1/2"	.42
15 L 008	6TM-P22	.22	3/8x2 1/2"	.39
15 L 525	6TM-P20	.2	3/8x2 1/2"	.39
15 L 083	6TM-P25	.25	3/4x2 1/2"	.45
15 L 016	6TM-P47	.47	1x2 1/2"	.75
16 L 260	6TM-P50	.5	1x2 1/2"	.75
16 L 261	6TM-M1	1.0	1x2 1/2"	1.05

1000 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
15 L 928	10TM-T50	.0005	3/8x1"	.30
15 L 929	10TM-D10	.001	3/8x1"	.30
15 L 930	10TM-D15	.0015	3/8x1"	.30
15 L 931	10TM-D20	.002	3/8x1"	.30
15 L 932	10TM-D22	.0022	3/8x1 1/2"	.30
15 L 933	10TM-D30	.003	3/8x1 1/2"	.30
15 L 017	10TM-D40	.004	3/8x1 1/2"	.30
15 L 018	10TM-D47	.0047	3/8x1 1/2"	.30
15 L 019	10TM-D50	.005	3/8x1 1/2"	.30
15 L 937	10TM-D68	.0068	3/8x1 1/2"	.30
15 L 938	10TM-S10	.01	1 1/2x1 1/2"	.30
15 L 939	10TM-S15	.015	1 1/2x1 1/2"	.30
15 L 940	10TM-S20	.02	1 1/2x1 1/2"	.30
15 L 941	10TM-S22	.022	1 1/2x1 1/2"	.30
15 L 942	10TM-S30	.03	1 1/2x1 1/2"	.30
15 L 943	10TM-S35	.035	3/8x1 1/2"	.36
15 L 944	10TM-S47	.047	3/8x1 1/2"	.36
15 L 945	10TM-S50	.05	3/8x1 1/2"	.36
15 L 946	10TM-S68	.068	3/8x1 1/2"	.42
15 L 947	10TM-P10	.1	3/4x2 1/2"	.45

1600 VOLTS DC WORKING

Stock No.	Type	Mfd	Size	EACH
16 L 270	MB-T5	.0005	3/8x1 1/4"	.39
16 L 019	MB-D1	.001	3/8x1 1/4"	.39
16 L 271	MB-D15	.0015	3/8x1 1/4"	.39
16 L 158	MB-D2	.002	3/8x1 1/4"	.39
16 L 272	MB-D22	.0022	3/8x1 1/4"	.39
16 L 159	MB-D3	.003	3/8x1 1/4"	.39
16 L 273	MB-D33	.0033	3/8x1 1/4"	.39
16 L 160	MB-D4	.004	3/8x1 1/4"	.39
16 L 274	MB-D47	.0047	3/8x1 1/4"	.39
16 L 161	MB-D5	.005	3/8x1 1/4"	.39
16 L 162	MB-D6	.006	3/8x1 1/4"	.39
16 L 275	MB-D68	.0068	3/8x1 1/4"	.39
16 L 163	MB-D7	.007	3/8x1 1/4"	.39
16 L 164	MB-D75	.0075	3/8x1 1/4"	.39
16 L 165	MB-D8	.008	3/8x1 1/4"	.39
16 L 166	MB-S1	.01	1 1/2x1 1/2"	.42
16 L 167	MB-S15	.015	1 1/2x1 1/2"	.42
16 L 168	MB-S2	.02	1 1/2x1 1/2"	.42
16 L 169	MB-S22	.022	1 1/2x1 1/2"	.42
16 L 277	MB-S3	.03	1 1/2x1 1/2"	.42
16 L 278	MB-S4	.04	3/8x2 1/2"	.42
16 L 280	TR-15	.05	3/8x2 1/2"	.42

6000 VOLTS DC WORKING

15 L 853 is rated at 10,000 DC wkg. volts

Stock No.	Type	Mfd	Size	EA.
15 L 850	TVM-356	.0005	3/8x1 1/2"	.81
15 L 851	TVM-216	.001	3/8x1 1/2"	.81
15 L 852	TVM-256	.005	3/8x1 1/2"	.81
15 L 853	TVM-351	.0005	3/8x1 1/2"	.90

TYPE TE "LITTL-LYTIC" SUBMINIATURE CAPACITORS

An extensive selection of ultra-small 30D series electrolytics. Excellent for use in transistor radios, transistor circuits in hearing aids, pocket tape recorders, wireless microphones, and other miniature electronic equipment. Hermetically sealed, aluminum enclosed. All welded construction—no pressure joints to cause open or intermittent circuits. Extremely low leakage current and long shelf life. Withstand temperatures up to 185°F. Size given in table below is diameter x length. Av. shpg. wt., 1 oz.

3 MFD

Stock No.	Type TE-	Mfd	WVDC	Size	NET EA.	Stock No.	Type TE-	Mfd	WVDC	Size	NET EA.	Stock No.	Type TE-	Mfd	WVDC	Size	NET EA.
11 L 736	1051	.2	3	3/8x1 1/2"	.75	16 L 043	1118	25	10	1 1/2x1 1/2"	.81	11 L 779	1200	.1	25	1 1/2x1 1/2"	.75
16 L 028	1055	.25	3	3/8x1 1/2"	.75	16 L 021	1119	50	10	1 1/2x1 1/2"	.90	11 L 780	1201	.2	25	1 1/2x1 1/2"	.75
16 L 046	1057	.40	3	3/8x1 1/2"	.75	16 L 623	1119.3	100	10	1 1/2							

Sprague Capacitors



TVA AND TU ATOMS—MIDGET ELECTROLYTICS

Very compact dry electrolytics. All are metal-cased except, cardboard construction. Engineered especially for replacements in tough TV applications—such as power supplies, decoupling circuits, cathode bypass circuits, etc. Will withstand the high surge voltages and high ripple currents commonly found in television circuits. Very low leakage. Operate efficiently at temperatures as high as 85°C. * TU type; separate negative leads.

A SINGLE SECTION

Stock No.	TVA Type	Mfd	WV DC	Size	NET	Stock No.	TVA Type	Mfd	WV DC	Size	NET	Stock No.	TVA Type	Mfd	WV DC	Size	NET
15 L 981	1100	50	6	3/4x1 1/4"	.57	15 L 858	1311	150	50	3/4x1 1/4"	.93	16 L 247	1575†	140	300	1 1/2x3 3/4"	1.89
16 L 230	1101	100	6	3/4x1 1/4"	.72	15 L 859	1312	250	50	3/4x1 1/4"	1.05	16 L 616	1601	4	350	1 1/2x1 1/2"	.87
16 L 231	1102	250	6	3/4x1 1/4"	.81	15 L 192	1402	4	150	3/4x1 1/4"	.60	15 L 181	1603	8	350	3/4x1 1/2"	.63
16 L 232	1103	500	6	3/4x2 1/4"	.93	16 L 241	1403	5	150	3/4x1 1/4"	.60	15 L 184	1608	20	350	3/4x1 1/2"	.87
16 L 233	1105	1500	6	3/4x2 1/4"	1.26	15 L 193	1405	8	150	3/4x1 1/4"	.63	15 L 983	1611	40	350	3/4x2 1/4"	1.05
15 L 861	1106	2000	6	3/4x2 1/4"	1.38	15 L 194	1406	10	150	3/4x1 3/8"	.63	15 L 984	1613	60	350	1x2 7/8"	1.17
16 L 234	1130	100	12	3/8x1 1/4"	.87	15 L 194	1407	12	150	3/4x1 3/8"	.66	16 L 615	1701	2	450	3/4x2 3/4"	.66
15 L 862	1131	250	12	3/8x1 1/4"	.87	15 L 196	1409	16	150	3/8x1 1/4"	.69	15 L 170	1702	4	450	3/4x1 1/4"	.69
15 L 863	1132	500	12	3/4x1 1/4"	1.02	15 L 196	1410	20	150	3/8x1 1/4"	.71	15 L 171	1704	8	450	3/8x1 1/4"	.75
16 L 235	1133	1000	12	3/4x2 3/8"	1.35	16 L 242	1411	25	150	3/8x1 1/4"	.75	15 L 125	1705	10	450	3/8x1 1/4"	.78
16 L 236	1160	100	15	3/8x1 3/4"	.75	15 L 197	1412	30	150	3/8x1 1/4"	.78	15 L 172	1706	12	450	3/4x1 1/4"	.81
16 L 237	1161	250	15	3/8x1 1/4"	.93	15 L 198	1413	40	150	3/4x1 1/4"	.81	15 L 173	1708	16	450	3/4x2 3/4"	.87
16 L 238	1162	500	15	1 1/4x2 3/8"	1.05	15 L 199	1414	50	150	3/8x1 1/4"	.84	15 L 174	1709	20	450	3/4x2 3/8"	.93
16 L 239	1163	1000	15	3/8x2 3/8"	1.38	16 L 243	1415	60	150	3/8x1 1/4"	.90	15 L 169	1711	30	450	3/4x2 3/8"	1.02
16 L 207	1203	5	25	3/4x1 1/4"	.60	15 L 198	1418	80	150	3/8x1 1/4"	.96	15 L 178	1712	40	450	3/4x2 1/4"	1.08
15 L 205	1204	10	25	3/8x1 1/4"	.60	16 L 619	1420	100	150	3/8x2 3/8"	1.05	15 L 991	1713	50	450	3/4x3 3/8"	1.26
15 L 206	1205	25	25	3/8x1 1/4"	.60	16 L 240	1422	150	150	1x2 3/8"	1.14	16 L 248	1714	60	450	1x3 1/4"	1.41
15 L 208	1206	50	25	3/8x1 1/4"	.66	16 L 244	1423†	200	150	1x3 3/8"	1.32	15 L 985	1716	80	450	1x3 1/4"	1.68
15 L 867	1207	100	25	3/8x1 1/4"	.81	16 L 245	1425†	300	150	1 1/4x3 3/8"	1.53	18 L 219	1718	100	450	1 1/2x4 1/2"	1.92
15 L 868	1208	250	25	3/4x1 1/4"	1.02	16 L 246	1480	200	200	1 1/4x3 3/8"	1.74	18 L 213	1802	10	475	3/4x1 1/4"	.81
15 L 869	1209	500	25	3/8x2 3/8"	1.38	15 L 185	1501	4	250	3/4x1 5/8"	.60	16 L 614	1804	20	475	3/4x2 3/8"	.96
15 L 870	1300	1	50	3/8x1 1/4"	.54	15 L 186	1503	8	250	3/4x1 5/8"	.69	15 L 175	1902	8	500	3/4x1 1/4"	.78
15 L 871	1301	2	50	3/8x1 1/4"	.54	16 L 617	1504	10	250	3/8x1 1/4"	.72	15 L 176	1905	16	500	3/4x1 1/4"	.90
15 L 200	1303	5	50	3/8x1 1/4"	.60	15 L 187	1505	12	250	3/8x1 1/4"	.75	15 L 177	1906	20	500	1x2 3/4"	.96
15 L 201	1304	10	50	3/8x1 1/4"	.60	15 L 188	1507	16	250	3/8x1 1/4"	.78	16 L 249	1962	8	600	1x3 3/8"	1.71
15 L 202	1306	25	50	3/8x1 1/4"	.63	16 L 189	1508	20	250	3/8x1 1/4"	.81	16 L 256	1963	10	600	1x3 3/8"	1.77
15 L 203	1308	50	50	3/8x1 1/4"	.72	16 L 618	1510	30	250	3/8x2 3/8"	.87	16 L 257	1965	16	600	1x3 3/8"	2.07
15 L 876	1310	100	50	3/4x1 1/4"	.84	15 L 190	1511	40	250	3/4x2 3/8"	.93	16 L 258	1966	20	600	1x3 3/8"	2.13

B DUAL SECTION

Stock No.	TVA or TU*	Mfd	WVDC	Size	NET EACH
15 L 255	2315	10-10	50	7/8x1 1/4"	.84
15 L 245	2415	8-8	150	7/8x1 1/4"	1.08
15 L 254	2420	16-16	150	7/8x1 1/4"	.99
15 L 247	2428	20-20	150	7/8x1 1/4"	1.02
15 L 253	2421	30-20	150	7/8x1 1/4"	1.05
15 L 252	2438	40-20	150	7/8x1 1/4"	1.08
15 L 251	2434	30-30	150	7/8x1 1/4"	1.08
15 L 249	2420	40-20†	150	1 1/4x2 3/8"	1.32
15 L 250	2442	40-30	150	7/8x1 1/4"	1.08
15 L 243	2445	40-40	150	7/8x1 1/4"	1.11
15 L 244	2450	50-30	150	7/8x1 1/4"	1.17
15 L 305	2453	50-50	150	7/8x2 3/8"	1.26
15 L 306	2460	80-30	150	7/8x2 3/8"	1.32
15 L 259	2462	80-50	150	7/8x2 3/8"	1.41
16 L 262	2464	100-100†	150	1 1/4x3 3/8"	1.92
16 L 263	2467	200-5†	150	1x3 3/8"	1.59
16 L 221	2640	140-5†	350	1 1/4x3 3/8"	2.49
15 L 220	2720	8-8	450	7/8x1 1/4"	1.12
15 L 221	*88	8-8†	450	1 1/4x3 3/8"	1.29
15 L 222	2725	16-8	450	7/8x2 3/8"	1.20
15 L 884	2722	10-10	450	7/8x1 1/4"	1.11
15 L 215	*1615	16-16†	450	1 1/4x3 3/8"	1.68
15 L 227	2730	20-20	450	7/8x2 3/8"	1.50
15 L 886	2735	30-30	450	1x3 3/8"	1.80
15 L 887	2740	40-40	450	1x3 3/8"	2.04
16 L 220	2711	80-100†	450-50	1 1/2x4 1/2"	2.22

C TRIPLE SECTION

Stock No.	TVA Type	Mfd	WVDC	Size	NET EACH
15 L 307	3440	20-20-20	150	3/4x1 1/4"	1.50
15 L 308	3448	40-30-20	150	3/4x2 1/4"	1.56
15 L 309	3451	40-40-40	150	1x2 1/4"	1.62
18 L 222	3453	50-30-150	150	1x2 1/4"	1.68
15 L 327	3455	80-40-20	150	1x2 1/4"	1.74
15 L 988	3415	20-20-20	150-150-25	3/4x1 1/4"	1.47
15 L 312	3423	40-30-20	150-150-25	3/4x1 1/4"	1.50
15 L 328	3427	40-40-100	150-150-25	3/4x2 1/4"	1.68
15 L 313	3430	50-30-20	150-150-25	3/4x2 1/4"	1.59
15 L 329	3433	50-30-200	150-150-25	1x2 1/4"	1.65
15 L 314	3436	50-50-20	150-150-25	1 1/4x2 1/4"	1.65
18 L 223	3437.1	80-40-20	150-150-25	1x1 1/2"	1.68
15 L 990	3716	12-12-20	450-450-25	1x1 1/2"	1.38

QUADRUPLE SECTION

Not illustrated.

Stock No.	TVA Type	Mfd	WVDC	Size	NET EACH
16 L 284	4576†	140-5-200-30	300-300-200-150	1 1/4x4 1/2"	3.63
16 L 287	4618†	80-60-40-20	350-350-300-150	1 1/2x4 1/2"	3.74
16 L 288	4659†	80-10-40-100	400-400-300-50	1 3/4x4 1/2"	3.27
18 L 224	4708†	10-80-40-40	450-300-250-250	1 1/4x4 1/2"	2.97
18 L 225	4748†	40-20-20-10	450	1 1/4x4 1/2"	2.82
15 L 856	4750†	40-40-20-10	450	1 1/2x4 1/2"	3.27

VL VERTI-LYTIC ELECTROLYTICS



- Ideal for Replacement in Original Equipment
- Have Long Shelf Life

A selection of top-quality electrolytic capacitors especially designed for replacement of units of the same type found on printed circuit boards in original equipment. These rugged, extremely small capacitors feature unusually low leakage currents and exceptionally long shelf life. Special resin end fill assures that electrolyte will not become contaminated; it

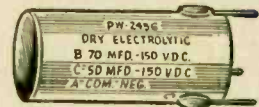
- In Sturdy, Pre-Molded Phenolic Cases
- Low Current Leakage

also protects capacitors against internal drying or the entrance of external moisture. Units are housed in sturdy, pre-molded phenolic cases. Have unique contact design that makes it virtually impossible, notwithstanding the units incoherently—the negative leads are easily identified by their larger diameters. Av. shpg. wt., 3 oz.

Stock No.	VL Type	Mfd	WVDC	Size	NET EACH
16 L 522	1032	2	3	3/4x3/4"	.87
16 L 693	1038	10	3	3/4x3/4"	.87
16 L 694	1045	50	3	3/4x3/4"	.93
16 L 527	1055	150	3	3/4x3/4"	1.05
16 L 696	1067	290	3	3/4x3/4"	1.20
16 L 530	1080	1	6	3/8x3/4"	.87
16 L 532	1082	3	6	3/8x3/4"	.87
16 L 689	1084	5	6	3/8x3/4"	.87
16 L 690	1087	10	6	3/8x3/4"	.87
16 L 535	1090	25	6	3/8x3/4"	.87
16 L 536	1094	50	6	3/8x3/4"	.93
16 L 546	1100	100	6	3/8x3/4"	1.05
16 L 552	1104	150	6	3/8x3/4"	1.14
16 L 557	1108	200	6	3/8x3/4"	1.17
16 L 560	1124	5	12	3/8x3/4"	.90
16 L 562	1127	10	12	3/8x3/4"	.90
16 L 564	1140	100	12	3/8x3/4"	1.14
16 L 566	1161	2	15	3/8x3/4"	.87
16 L 570	1164	5	15	3/8x3/4"	.90

Stock No.	VL Type	Mfd	WVDC	Size	NET EACH
16 L 685	1167	10	15	3/8x3/4"	.90
16 L 572	1168	15	15	3/8x3/4"	.93
16 L 686	1169	20	15	3/8x3/4"	.93
16 L 573	1170	25	15	3/8x3/4"	.93
16 L 687	1174	50	15	3/8x3/4"	.99
16 L 688	1180	90	15	3/8x3/4"	1.17
16 L 575	1201	2	25	3/8x3/4"	.90
16 L 590	1204	5	25	3/8x3/4"	.99
16 L 511	1207	10	25	3/8x3/4"	.99
16 L 592	1208	15	25	3/8x3/4"	.99
16 L 682	1210	25	25	3/8x3/4"	.99
16 L 683	1215	50	25	3/8x3/4"	1.05
16 L 676	1302	3	50	3/8x3/4"	.93
16 L 678	1304	5	50	3/8x3/4"	.99
16 L 679	1307	10	50	3/8x3/4"	.99
16 L 593	1308	15	50	3/8x3/4"	.99
16 L 680	1309	20	50	3/8x3/4"	.99
16 L 681	1310	25	50	3/8x3/4"	.99

PW PRINTED CIRCUIT ELECTROLYTICS



New dual-section, upright mounting dry electrolytic capacitors. Small and compact; designed for exact replacement use in clock radios, hi-fi amplifiers, phonographs, and other devices having printed circuit board construction. Ideal for use by servicemen as replacements for "off-brand" capacitors with poor service histories. Consist of aluminum electrolytic capacitor sections, wrapped in insulating plastic film and housed in Kraftboard tubes. Have wax end-seals and pin-type terminals suitable for mounting on printed circuit boards. All have voltage ratings of 150 WVDC. Maximum operating temperature is 65°C. Size: 1" dia. x 2 1/2" long. Shpg. wt., 3 oz.

Stock No.	PW Type	Mfd	WVDC	Size	NET EACH
11 L 110	2450				

SPRAGUE CAPACITORS

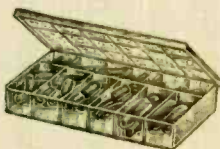
AM MOTOR-STARTING CAPACITORS



An electrolytic capacitor designed especially for 110 volt capacitor-start AC motors. Carefully engineered to pass the correct amount of current for the maximum possible starting torque. In tightly sealed aluminum cans with insulating outer cardboard tubes for high efficiency and dependability. Provided with lug terminals for quick, easy installation. Screws are removable for solder connections if desired. When in question as to proper size, choose the next larger value of capacitance. *Minimum-maximum capacitance values replaceable with these units. Av. shpg. wt., 10 oz.

Stock No.	Mfr's	*Mfd	Size	NET EACH
15 L 948	1105	43-53	1x2 1/2"	.76
15 L 579	1106	47-56	1x2 1/2"	.76
15 L 580	1107	53-64	1x2 1/2"	.77
15 L 581	1108	64-77	1x2 1/2"	.81
15 L 582	1109	72-88	1x2 1/2"	.83
15 L 583	1110	88-108	1x2 1/2"	.78
15 L 584	1113	108-130	1 1/2x2 1/2"	.89
15 L 585	1114	133-149	1 1/2x2 1/2"	.89
15 L 586	1119	130-156	1 1/2x2 1/2"	.89
15 L 587	1122	145-175	1 1/2x2 1/2"	.96
15 L 588	1125	161-193	1 1/2x2 1/2"	.98
15 L 570	1128	189-227	1 1/2x2 1/2"	1.13
15 L 571	1130	200-240	1 1/2x3 1/2"	1.17
15 L 572	1131	216-259	1 1/2x3 1/2"	1.25
15 L 573	1134	233-280	1 1/2x3 1/2"	1.35
15 L 574	1137	243-292	1 1/2x4 1/2"	1.41
15 L 575	1140	270-324	1 1/2x4 1/2"	1.43
15 L 576	1142	324-388	1 1/2x4 1/2"	1.62
15 L 577	1143	340-408	1 1/2x4 1/2"	1.67
15 L 589	1146	378-440	1 1/2x4 1/2"	1.80
15 L 578	1149	400-480	1 1/2x4 1/2"	1.82
15 L 949	1152	430-516	1 1/2x4 1/2"	2.09

"BLACK BEAUTY" CAPACITOR KITS



TK-1. 72 "Black Beauty" capacitors in plastic case. All are 600 volt. Compartmented case contains: 5—.001, 5—.002, 2—.0047, 8—.005, 15—.01, 8—.02, 2—.03, 5—.047, 12—.05, 8—.1, and 2—.25.

1 1/2x1 1/2x6 1/2". Shpg. wt., 2 1/2 lbs.
58 L 515. NET. 14.70

TK-3. 36 "Black Beauty" buffer capacitors of the most used ratings. From .001 to .03 mfd. 1600 WVDC. In clear, plastic case. Size, 1 1/2x1 1/2x6 1/2". Shpg. wt., 2 1/2 lbs.
58 L 517. NET. 14.25

TK-5. Steel cabinet complete with 59 molded tubulars in 9 popular ratings. Values range from .001 to 25 mfd at 600 WVDC. Size, 4 1/2x 3 1/2x9 1/2". Shpg. wt., 5 lbs.
19 L 645. NET. 27.75

TK-6. 2-drawer steel cabinet with a selection of 119 tubulars in 10 popular ratings. Size, from .001 to 25 mfd at 600 WVDC. Size, 4 1/2x 7 1/2x9 1/2". Shpg. wt., 8 lbs.
19 L 646. NET. 24.00

ELECTROLYTIC CAPACITOR KITS



SK-106 Atom Electrolytic Capacitor Kit. An excellent investment for the hobbyist, experimenter or technician. Contains one each of the following TVA types: #1205, 1207, 1303, 1304, 1306, 1308, 1310, 1410, 1422, 1704, 1705, 1708, 1709, 1711, 1712, 1713, 1716, 2428, 2450, 2453. Supplied in sturdy, compartmented welded metal inventory cabinet, at no extra charge. Open in front for easy access to capacitors. Compact cabinet easily fits any work bench. 10 1/2x9x5 1/4". Wt., 5 lbs.
58 L 514. NET. 18.42

EK-1 Atom Electrolytic Capacitor Kit. Consists of the following types of TVA capacitors: 1 each—#1205, 1303, 1304, 1410, 1704, 1711, 1716, 2450, 2453; 2 each—#1705, 1709, 1712. Capacitors are small in size, rated at 80°C or 185°F. Supplied in crystal-clear compartmented plastic case—each capacitor is clearly identified. Case size, 1 1/2x1 1/2x6 1/2". Shpg. wt., 2 lbs.
58 L 516. NET. 13.98

AEROVOX QUALITY CAPACITORS

TYPE PRS "DANDEE" MINIATURE ELECTROLYTICS



A—SINGLE SECTION

Stock No.	Mfd	Volts	Size	NET
12 L 600	100	6	1 1/4x1 1/2"	.72
13 L 864	500	6	1 1/4x1 1/2"	.93
13 L 863	1000	6	1 1/4x2 1/2"	1.14
13 L 861	100	12	1 1/4x1 1/2"	.72
13 L 860	250	12	1 1/4x1 1/2"	.87
13 L 859	500	12	1 1/4x2 1/2"	1.02
13 L 460	10	25	3/8x1 1/2"	.60
13 L 858	16	25	3/8x1 1/2"	.60
13 L 461	25	25	3/8x1 1/2"	.60
13 L 462	50	25	3/8x1 1/2"	.66
13 L 463	100	25	3/8x2 1/2"	.81
13 L 464	250	25	3/8x2 1/2"	1.02
13 L 607	500	25	1 1/2x2 1/2"	1.38
13 L 450	10	50	3/8x1 1/2"	.60
13 L 856	20	50	3/8x1 1/2"	.60
13 L 451	25	50	3/8x1 1/2"	.63
13 L 452	50	50	3/8x1 1/2"	.72
13 L 453	100	50	3/8x1 1/2"	.84
13 L 606	250	50	3/8x1 1/2"	1.05
13 L 430	4	150	3/8x1 1/2"	.60
13 L 431	8	150	3/8x1 1/2"	.63
13 L 425	10	150	3/8x1 1/2"	.63
13 L 433	16	150	3/8x1 1/2"	.69
13 L 443	20	150	3/8x1 1/2"	.72
13 L 435	30	150	3/8x1 1/2"	.78
13 L 436	40	150	3/8x1 1/2"	.81
13 L 441	50	150	3/8x1 1/2"	.84
13 L 607	60	150	3/8x1 1/2"	.90
13 L 426	80	150	3/8x2 1/2"	.96
13 L 427	100	150	3/8x2 1/2"	1.05
13 L 428	150	150	1 1/2x3"	1.14
13 L 410	4	250	3/8x1 1/2"	.60
13 L 411	8	250	3/8x1 1/2"	.69
13 L 412	12	250	3/8x1 1/2"	.75
13 L 413	16	250	3/8x1 1/2"	.78
13 L 414	20	250	3/8x1 1/2"	.81
13 L 608	30	250	3/8x2 1/2"	.87
13 L 609	40	250	3/8x2 1/2"	.93
13 L 610	50	250	3/8x2 1/2"	1.02
13 L 611	60	250	3/8x2 1/2"	1.08
12 L 612	10	350	3/8x1 1/2"	.75
13 L 603	16	350	3/8x1 1/2"	.84
13 L 404	24	350	3/8x1 1/2"	.93
13 L 613	30	350	3/8x2 1/2"	1.05
13 L 614	40	350	3/8x2 1/2"	1.05
12 L 617	1	450	3/8x1 1/2"	.66
12 L 618	2	450	3/8x1 1/2"	.69
13 L 385	4	450	3/8x1 1/2"	.69
13 L 386	8	450	3/8x1 1/2"	.75
13 L 394	10	450	3/8x1 1/2"	.78
13 L 387	12	450	3/8x1 1/2"	.81
13 L 388	16	450	3/8x1 1/2"	.84

TYPE P83Z MICROMINIATURE METALLIZED-PAPER TUBULARS



Ultra-small, metallized-paper dielectric capacitors, ideally suited for coupling and bypass applications in radio, TV and other electronic equipment. Units are housed in humidity-resistant, molded thermo-plastic cases and are completely Hyvol K impregnated to protect against entrance of moisture. Improved metallized foil serves as both dielectric and electrodes. Tolerance, ± 25%. Av. shpg. wt., 2 oz.

Stock No.	Mfd.	WVDC	Size	EACH
13 L 492	.004	200	3/8x3/8"	.21
13 L 895	.005	200	3/8x3/8"	.21
13 L 896	.01	200	3/8x3/8"	.21
13 L 493	.02	200	1/4x3/8"	.27
13 L 494	.04	200	1/4x3/8"	.27
13 L 887	.002	400	3/8x3/8"	.21
13 L 888	.003	400	3/8x3/8"	.21
13 L 495	.008	400	1/4x3/8"	.27
13 L 889	.01	400	3/8x3/8"	.27
13 L 890	.0005	600	3/8x3/8"	.21
13 L 496	.0008	600	3/8x3/8"	.21
13 L 891	.001	600	3/8x3/8"	.21
13 L 892	.002	600	3/8x3/8"	.27
13 L 497	.0022	600	3/8x3/8"	.27
13 L 894	.0047	600	1/4x3/8"	.27
13 L 895	.005	600	1/4x3/8"	.27

Extremely compact high-quality tubular electrolytics in metal cans with cardboard insulating sleeves. Ideally suited to a wide variety of applications where space is at a premium, and dependable service is required. Negative leads are connected to aluminum cans. Dual and triple-section types have common negative leads. Single-section capacitors have bare, tinned copper leads, 3" long. Dual and triple-section types have flexible stranded-copper leads, 5" long, with insulating sleeves. All are conservatively rated for temperatures to 85°C. Sizes listed are diameters over cardboard insulating sleeve. Multiple units are supplied with mounting strap. Av. shpg. wt., 4 oz.

A—SINGLE SECTION (Cont'd)

Stock No.	Mfd	Volts	Size	NET
13 L 389	20	450	1 1/2x1 1/2"	.93
13 L 395	30	450	1 1/2x1 1/2"	1.02
13 L 396	40	450	1 1/2x1 1/2"	1.08
13 L 620	60	450	1 1/2x3 1/2"	1.41
13 L 621	80	450	1 1/2x3 1/2"	1.68
13 L 622	100	450	1 1/2x3 1/2"	1.92
13 L 632	8	600	1 1/2x3 1/2"	1.71
13 L 635	16	600	1 1/2x3 1/2"	2.07
13 L 639	8	700	1 1/2x3 1/2"	1.74
13 L 640	10	700	1 1/2x3 1/2"	1.83
13 L 642	16	700	1 1/2x3 1/2"	2.10

B—DOUBLE SECTION

Stock No.	Mfd	Volts	Size	NET
13 L 439	20-20	150	1 1/2x1 1/2"	.99
12 L 625	30-20	150	1 1/2x1 1/2"	1.05
12 L 626	40-20	150	1 1/2x1 1/2"	1.05
12 L 627	30-30	150	1 1/2x1 1/2"	1.08
12 L 628	40-30	150	1 1/2x2 1/2"	1.08
13 L 442	40-40	150	1 1/2x2 1/2"	1.48
12 L 629	80-40	150	1 1/2x2 1/2"	1.32
13 L 853	50-30	150	1 1/2x2 1/2"	1.17
13 L 854	50-50	150	1 1/2x2 1/2"	1.26
12 L 635	10-10	250	1 1/2x1 1/2"	.99
12 L 636	16-16	250	1 1/2x2 1/2"	1.02
13 L 852	20-20	250	1 1/2x2 1/2"	1.11
12 L 637	30-30	250	1 1/2x2 1/2"	1.35
13 L 851	8-8	450	1 1/2x2 1/2"	1.02
13 L 922	16-8	450	1 1/2x2 1/2"	1.20
13 L 397	10-10	450	1 1/2x2 1/2"	1.11
12 L 638	16-16	450	1 1/2x2 1/2"	1.35
12 L 639	20-20	450	1 1/2x3 1/2"	1.80
12 L 640	30-30	450	1 1/2x3 1/2"	1.50
12 L 641	40-20	450	1 1/2x3 1/2"	1.77
13 L 851	40-40	450	1 1/2x4"	2.01
12 L 642	50-30	450	1 1/2x4"	2.04

C—TRIPLE SECTION

Stock No.	Mfd	Volts	Size	NET
13 L 855	20-20-20	150	1 1/2x1 1/2"	1.51
12 L 643	30-30-20	150	1 1/2x1 1/2"	1.58
13 L 871	40-20-20	150	1 1/2x2 1/2"	1.58
12 L 645	40-30-20	150	1 1/2x2 1/2"	1.58
12 L 649	40-40-20	150	1 1/2x2 1/2"	1.63
13 L 872	40-40-40	150	1 1/2x2 1/2"	1.67
12 L 647	50-30-20	150	1 1/2x2 1/2"	1.63
12 L 648	80-40-20	150	1 1/2x2 1/2"	1.74
12 L 656	40-40-250	150-10	1 1/2x2 1/2"	1.71
12 L 656	40-20-20	150-25	1 1/2x1 1/2"	1.53
12 L 662	50-30-20	150-25	1 1/2x1 1/2"	1.59
12 L 662	50-50-20	150-25	1 1/2x1 1/2"	1.66
12 L 650	10-10-10	450	1 1/2x2 1/2"	1.67

AEP PLUG-IN ELECTROLYTIC CAPACITORS

Hermetically sealed, 1, 2 and 3-section dry electrolytics. In aluminum cans with insulated, 4-pin octal tube type bases. Fit all standard octal tube sockets; keyed guide pins insure correct installation and polarity. Designed for use in applications where continuous service is important; can be quickly replaced by simply plugging in a new unit. All units are vented for safety; have etched aluminum foil construction. Have common negative leads. Operating temp. to +65°C. Av. wt., 5 oz.



Stock No.	Type	Mfd.	WVDC	Size	EACH
13 L 039	8J	40	450	1 1/2x2 1/2"	2.77
13 L 040	16J	80	450	1 1/2x3 1/2"	3.25
13 L 041	2L	10	600	1 1/2x4 1/2"	2.84

DUAL SECTION

Stock No.	Type	Mfd.	WVDC	Size	EACH
13 L 044	22J	10-10	450	1 1/2x2 1/2"	2.57
13 L 045	44J	20-20	450	1 1/2x2 1/2"	2.90
13 L 046	88J	40-40	450	1 1/2x3"	3.31

TRIPLE SECTION

Stock No.	Type	Mfd.	WVDC	Size	EACH
13 L 047	222J	10-10-10	450	1 1/2x2 1/2"	2.78
13 L 048	444J	20-20-20	450	1 1/2x3"	3.29

Aerovox Capacitors

TYPE V84C-V161 "AEROFILM" MYLAR CAPACITORS



An excellent selection of high-quality tubular capacitors. Have rugged, humidity-proof polypropylene cases. Epoxy end fill will not flow, soften, or melt at any operating temperature.

Have exceptionally high insulation resistance as well as low dielectric absorption and power factor. Extremely stable, have a relatively small capacitance change with temperature variations over the range of 0-85°C. Tolerance is ±20%. Av. shpg. wt., 2 oz.

200 WVDC

Stock No.	Mfd.	Size	EACH
12 L 105	.0047	3/4x1 1/4"	.15
12 L 106	.0068	3/4x1 1/4"	
12 L 107	.01	3/4x1 1/4"	
12 L 108	.015	3/4x1 1/4"	
12 L 109	.022	3/4x1 1/4"	
12 L 115	.047	3/4x1 1/4"	.15
12 L 116	.05	3/4x1 1/4"	.15
12 L 117	.068	3/4x1 1/4"	.18
12 L 118	.1	3/4x1 1/4"	.21
12 L 119	.15	3/4x1 1/4"	.24
12 L 129	.25	3/4x1 1/4"	.27
12 L 132	.47	3/4x1 1/4"	.39
12 L 134	.68	3/4x1 1/4"	.57

400 WVDC (Cont'd)

Stock No.	Mfd.	Size	EACH
12 L 163	5	1 1/4x2"	.68
12 L 164	68	2 1/4x2 1/2"	.87
12 L 177	1.0	3 1/4x2 1/2"	1.05

600 WVDC

Stock No.	Mfd.	Size	EACH
12 L 178	001	3/4x1 1/4"	.15
12 L 180	002	3/4x1 1/4"	
12 L 181	0022	3/4x1 1/4"	
12 L 182	003	3/4x1 1/4"	
12 L 183	.0033	3/4x1 1/4"		.15
12 L 184	.004	3/4x1 1/4"	.15
12 L 196	0047	3/4x1 1/4"	.15
12 L 197	005	3/4x1 1/4"	.15
12 L 198	.0068	3/4x1 1/4"	.18
12 L 199	01	1 1/4x1 1/4"	.18
12 L 230	015	3/4x1 1/4"	.18
12 L 231	0015	3/4x1 1/4"	.18
12 L 232	.022	3/4x1 1/4"	.18
12 L 249	03	1 1/4x1 1/4"	.21
12 L 272	033	1 1/4x1 1/4"	.21
12 L 273	047	1 1/4x1 1/4"	.24
12 L 274	05	1 1/4x1 1/4"	.24
12 L 293	068	1 1/4x1 1/4"	.27
12 L 294	1	1 1/4x1 1/4"	.30
12 L 295	2	2 1/4x1 1/4"	.48
12 L 296	22	2 1/4x1 1/4"	.51
12 L 297	47	2 1/4x1 1/4"	.84
12 L 298	5	3 1/4x2 1/2"	.87

400 WVDC

Stock No.	Mfd.	Size	EACH
12 L 136	.0047	3/4x1 1/4"	.15
12 L 137	.0068	3/4x1 1/4"	
12 L 138	.01	3/4x1 1/4"	
12 L 139	.015	3/4x1 1/4"	
12 L 142	.022	3/4x1 1/4"	
12 L 143	.022	1 1/4x1 1/4"	.15
12 L 144	.03	1 1/4x1 1/4"	.18
12 L 145	.047	1 1/4x1 1/4"	.18
12 L 146	.05	1 1/4x1 1/4"	.18
12 L 147	.068	1 1/4x1 1/4"	.18
12 L 148	.1	1 1/4x1 1/4"	.21
12 L 149	.15	1 1/4x1 1/4"	.24
12 L 150	.2	1 1/4x1 1/4"	.27
12 L 162	.47	1 1/4x2"	.66

PPT-PWE POLYCAP PLASTIC-CASED ELECTROLYTICS



Ruggedly constructed miniature, "Polycap"-cased electrolytic capacitors. Especially recommended for use in all applications where space is limited as in the following:

variety of electronic equipment with crowded personal transistorized radios, hearing aids, instruments and a wide variety of electronic equipment with crowded chassis. All electrolytics are encased in sturdy, plastic tubes. Special plastic end-fill binds ends securely to case to extend working life of capacitors. Temperature range is from -30°C to +65°C. Capacity tolerance at 25°C is -10%, +250%. Sizes are dia. x length. Wt., 2 oz.

Code	Size
A	1/4x1 1/4"
B	3/8x1 1/4"
C	1/2x1 1/4"
D	3/8x1 1/2"

Code	Size
E	3/4x1 1/4"
F	1x1 1/4"
G	1 1/4x1 1/4"
H	1 1/4x1 1/2"

3 WVDC

Stock No.	Type	Mfd	Code	EA.
11 L 851	3002	2	A	.75
11 L 852	3005	5	A	.75
11 L 853	3010	10	A	.75
11 L 857	3050	50	B	.84
11 L 858	3100	100	C	1.05
11 L 859	3500	500	G	1.84

12 WVDC

Stock No.	Type	Mfd	Code	EA.
11 L 992	12005	5	A	.75

15 WVDC

Stock No.	Type	Mfd	Code	EA.
11 L 993	15005	5	A	.75
11 L 994	15008	8	C	.75
11 L 995	15030	30	C	.75

25 WVDC

Stock No.	Type	Mfd	Code	EA.
11 L 872	25005	5	A	.75
11 L 873	25008	8	A	.75
11 L 874	25010	10	B	.75
11 L 875	25015	15	C	.81
11 L 876	25020	20	C	.75
11 L 877	25025	25	D	.75
11 L 879	25040	40	D	.81
11 L 880	25050	50	E	.84
11 L 881	25100	100	H	1.02

50 WVDC

Stock No.	Type	Mfd	Code	EA.
11 L 882	50001	1	A	.75
11 L 883	50002	2	A	.75
11 L 884	50003	3	A	.75
11 L 885	50005	5	B	.75
11 L 886	50008	8	C	.75
11 L 889	50020	20	D	.75
11 L 890	50025	25	F	.81

VBC TYPE VIBRATOR BUFFER CAPACITORS



Extremely heavy-duty buffer capacitors effectively reduce vibrator hash and suppress interference. They are specifically designed and engineered for use in automobile radios and other severe service applications where vibrators are involved.

"Hvyl-M" impregnated units offer maximum resistance to shock and temperature change. Capacitors are paper in ceramic tubes. All are rated at 1600 WVDC, except * rated at 3000 WVDC. Av. shpg. wt., 3 oz.

Stock No.	VBC	Mfd.	Size	EACH
18 L 918	2	.001	3/4x1 1/4"	.30
18 L 919	3	.002	3/4x1 1/4"	
18 L 920	4	.0022	3/4x1 1/4"	
18 L 937	6	.0033	3/4x1 1/4"	
18 L 938	8	.0047	3/4x1 1/4"	

Stock No.	VBC	Mfd.	Size	EACH
18 L 939	23	.0068	1 1/4x1 1/4"	.30
18 L 940	25	.0075	1 1/4x1 1/4"	.33
18 L 941	27	.01	1 1/4x1 1/4"	.33
18 L 942	29	.02	1 1/4x1 1/4"	.33
18 L 943	45*	.007	1 1/4x2"	.39

MICA CAPACITORS



Molded in low-loss bakelite cases

An excellent selection of extremely stable capacitors, for a wide variety of applications. Compact and precision-made, these capacitors are molded in low-loss bakelite, impregnated and color-coded. Feature highest voltages available in these case sizes. Types 1468L5 and 1467L5 are ideal for TV, low-power transmitters and power amplifiers. Type 1652L is a heavy-duty mica capacitor, with threaded mounting holes.

TYPE 1469—SILVERED MICA

500 WVDC. ±5% tolerance. 3/4x1 1/4x3/16". Shpg. wt., 2 oz.

Stock No.	Mmf	MIL No.	NET EACH
12 L 300	5	CM-20C-050	.24
12 L 301	10	CM-20C-100	
12 L 302	12	CM-20C-120	
12 L 303	15	CM-20C-150	
12 L 304	18	CM-20C-180	
12 L 305	20	CM-20C-200	.24
12 L 306	24	CM-20C-240	
12 L 307	27	CM-20C-270	
12 L 308	30	CM-20C-300	
12 L 309	33	CM-20C-330	
12 L 311	33	CM-20C-390	.24
12 L 312	43	CM-20C-430	
12 L 313	47	CM-20C-470	
12 L 314	50	CM-20C-500	
12 L 315	51	CM-20C-510	
12 L 316	56	CM-20C-560	.24
12 L 317	62	CM-20C-620	
12 L 318	68	CM-20C-680	
12 L 319	75	CM-20C-750	
12 L 320	82	CM-20C-820	
12 L 322	100	CM-20C-101	.24
12 L 323	150	CM-20C-151	
12 L 324	180	CM-20C-181	
12 L 325	200	CM-20C-201	
12 L 326	220	CM-20C-221	
12 L 327	240	CM-20C-241	.33
12 L 328	270	CM-20C-271	
12 L 329	300	CM-20C-301	
12 L 330	360	CM-20C-361	

TYPE 1468L5—MIL-C-5A

500 WVDC. ±20% tolerance. 3/4x1 1/4x3/16". Shpg. wt., 2 oz.

Stock No.	Mmf	MIL No.	NET EACH
12 L 468	5	CM-20B-050	.18
12 L 469	10	CM-20B-100	
12 L 470	20	CM-20B-200	
12 L 471	24	CM-20B-240	
12 L 472	30	CM-20B-300	
12 L 473	50	CM-20B-500	.18
12 L 474	82	CM-20B-820	
12 L 475	100	CM-20B-101	
12 L 476	150	CM-20B-151	
12 L 477	200	CM-20B-201	
12 L 478	250	CM-20B-251	.18
12 L 479	270	CM-20B-271	
12 L 480	300	CM-20B-301	
12 L 481	390	CM-20B-391	
12 L 482	430	CM-20B-431	
12 L 483	500	CM-20B-501	.18

TYPE 1467L5

500 WVDC, except *300 ±20% tolerance. 3/4x1 1/4x3/16". Shpg. wt., 2 oz.

Stock No.	Mmf	MIL No.	NET EACH
12 L 778	500	CM-30B-561	.18
12 L 779	600	CM-30B-580	.21
12 L 781	1000	CM-30B-102	.21
12 L 782	1500	CM-30B-152	.24
12 L 783	2000	CM-30B-202	.27
12 L 784	2500	CM-30B-222	.27
12 L 785	2500	CM-30B-252	.30
12 L 786	2700	CM-30B-272	.30
12 L 787	3000	CM-30B-302	.36
12 L 788	3300	CM-30B-332	.36
12 L 789	4700	CM-30B-472	.39
12 L 790	5000	CM-30B-502	.42
12 L 791	5600	CM-30B-562	.42
12 L 792	794	CM-30B-822	.60
12 L 795	10000*	CM-30B-103	.72

TYPE 1464—SILVERED MICA

500 WVDC, except *300. ±5% tolerance. 3/4x1 1/4x3/16", fexcept 3/4x1 1/4x2 1/4". Shpg. wt., 2 oz.

Stock No.	Mmf	MIL No.	NET EACH
12 L 331	470	CM-30D-471	.42
12 L 332	510	CM-30D-511	.42
12 L 333	560	CM-30D-561	.45
12 L 334	620	CM-30D-621	.45
12 L 335	680	CM-30D-681	.48
12 L 336	750	CM-30D-751	.48
12 L 337	820	CM-30D-821	.51
12 L 338	910	CM-30D-911	.54
12 L 339	1000	CM-30D-102	.60
12 L 340	2000	CM-30D-202	.81
12 L 341	3000	CM-30D-302	1.14
12 L 342	3900	CM-30D-392	1.20
12 L 343	5000	CM-30D-502	1.29
12 L 346	10000*	CM-35D-103	2.10

TYPE 1652L

2500 WVDC. ±10% tolerance. 1 1/4x1 1/4x3/16". Shpg. wt., 4 oz.

Stock No.	Mfd.	NET EACH
12 L 485	.0001	1.14
12 L 486	.0002	1.26
12 L 490	.0005	1.74
12 L 491	.001	1.74
12 L 493	.002	2.55
12 L 496	.005	3.72
12 L 497	.01	4.38

SRE BANTAM ELECTROLYTICS



Extremely small dry electrolytic, metal tubular capacitors handle full-sized loads. Ideal for limited space applications as in hearing aids, portable radios, TV receivers and instuments. Especially useful in low-voltage miniaturized circuits. Hermetically-sealed in aluminum cans and furnished with an external wax-impregnated insulating sleeve. Negative grounded to can. 0°C to 85°C at rated voltages. Available in a wide range of capacitances and DC working voltages. Shpg. wt., 2 oz.

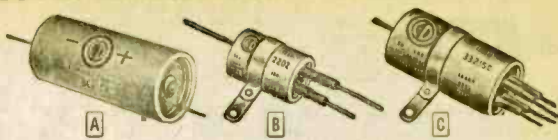
Code	Size	Code	Size
A	3/4x1"	E	1/2x1"
B	3/8x1 1/4"	F	1/2x1 1/4"
C	1/2x1 1/4"		

Stock	Mfd.	WVDC	Code	EA.	Stock	Mfd.	WVDC	Code	EA.
13 L 834	100	3	A	.66	13 L 824	25	25	A	.60
13 L 835	200	3	C	.69	13 L 825	50	25	F	.61
13 L 837	500	3	F	.84	13 L 826	100	25	F</	

Cornell-Dubilier Tubular Electrolytic Capacitors

"BLUE BEAVER" TUBULAR ELECTROLYTICS

Tubular electrolytic capacitors specifically designed for service replacement applications. Especially popular for cramped space installations in TV receivers, hearing aids, miniature radios and other small assemblies. All are hermetically sealed in aluminum cans for protection against heat and humidity, and have cardboard outer sleeves. All have a common negative terminal which is grounded to the can. Rated for operation up to +85° C. except 500 volt types which are rated for temperatures up to +65° C. Av. shpg. wt., 1 oz.



A SINGLE SECTION

Stock No.	Type	Mfd	W. V.	Size In.	NET
19 L 202	5-6	5	6	3/8x1 1/8	.48
19 L 205	25-25	25	6	3/8x1 1/8	.51
19 L 204	50-6	50	6	3/8x1 1/8	.57
19 L 205	100-6	100	6	3/8x1 1/8	.57
19 L 206	250-6	250	6	3/8x1 1/8	.81
19 L 285	500-6	500	6	1/2x1 1/8	.93
19 L 286	1000-6	1000	6	5/8x1 1/8	1.14
19 L 287	2000-6	2000	6	3/4x1 1/8	1.38
19 L 272	250-15	250	15	3/8x1 1/8	.93
19 L 273	500-15	500	15	3/8x1 1/8	1.05
19 L 274	1000-15	1000	15	3/8x1 1/8	1.38
19 L 276	2000-15	2000	15	3/8x1 1/8	1.62
19 L 207	100-15	100	15	3/8x1 1/8	.75
19 L 216	10-25	10	25	3/8x1 1/8	.60
19 L 217	20-25	20	25	3/8x1 1/8	.60
19 L 218	25-25	25	25	3/8x1 1/8	.60
19 L 219	50-25	50	25	3/8x1 1/8	.66
19 L 208	100-25	100	25	3/8x1 1/8	.81
19 L 270	250-25	250	25	3/8x1 1/8	1.05
19 L 271	500-25	500	25	3/8x1 1/8	1.38
19 L 209	1-50	1	50	3/8x1 1/8	.54
19 L 210	2-50	2	50	3/8x1 1/8	.54
19 L 211	4-50	4	50	3/8x1 1/8	.60
19 L 222	5-50	5	50	3/8x1 1/8	.60
19 L 223	10-50	10	50	3/8x1 1/8	.60
19 L 224	25-50	25	50	3/8x1 1/8	.63
19 L 147	100-50	100	50	3/8x1 1/8	.84
19 L 148	150-50	150	50	3/8x1 1/8	.93
19 L 149	250-50	250	50	3/8x1 1/8	1.05
19 L 269	500-50	500	50	3/8x1 1/8	1.44
19 L 214	4-150	4	150	3/8x1 1/8	.60
19 L 249	8-150	8	150	3/8x1 1/8	.63
19 L 250	10-150	10	150	3/8x1 1/8	.66
19 L 247	12-150	12	150	3/8x1 1/8	.66
19 L 248	16-150	16	150	3/8x1 1/8	.69
19 L 225	20-150	20	150	3/8x1 1/8	.72
19 L 145	25-150	25	150	3/8x1 1/8	.75
14 L 045	30-150	30	150	3/8x1 1/8	.78
14 L 046	40-150	40	150	3/8x1 1/8	.81
14 L 047	50-150	50	150	3/8x1 1/8	.84
19 L 146	60-150	60	150	3/8x1 1/8	.90
14 L 039	80-150	80	150	3/8x1 1/8	.96
14 L 056	100-150	100	150	3/8x1 1/8	1.05
14 L 542	200-150	200	150	1x3	1.32
14 L 543	300-150	300	150	1x3 3/8	1.53
19 L 227	4-250	4	250	3/8x1 1/8	.60
19 L 228	8-250	8	250	3/8x1 1/8	.69

A SINGLE SECTION (Cont'd)

Stock No.	Type	Mfd	W. V.	Size In.	NET
19 L 229	12-250	12	250	3/8x1 1/8	.75
14 L 033	16-250	16	250	3/8x1 1/8	.78
14 L 034	20-250	20	250	3/8x1 1/8	.81
19 L 142	30-250	30	250	3/8x1 1/8	.87
14 L 035	40-250	40	250	3/8x1 1/8	.93
19 L 143	50-250	50	250	3/8x1 1/8	1.02
19 L 144	60-250	60	250	1x1 1/8	1.08
14 L 020	4-350	4	350	3/8x1 1/8	.63
14 L 021	8-350	8	350	3/8x1 1/8	.74
14 L 022	12-350	12	350	3/8x1 1/8	.78
14 L 023	16-350	16	350	3/8x1 1/8	.84
14 L 024	20-350	20	350	3/8x1 1/8	.90
14 L 026	40-350	40	350	3/8x1 1/8	1.05
14 L 544	60-350	60	350	1x2	1.17
14 L 545	80-350	80	350	1x3	1.26
14 L 546	100-350	100	350	1x3	1.38
14 L 008	1-450	1	450	3/8x1 1/8	.66
14 L 009	2-450	2	450	3/8x1 1/8	.66
14 L 010	4-450	4	450	3/8x1 1/8	.69
14 L 011	8-450	8	450	3/8x1 1/8	.75
14 L 012	10-450	10	450	3/8x1 1/8	.78
14 L 013	12-450	12	450	3/8x1 1/8	.81
14 L 014	16-450	16	450	3/8x1 1/8	.84
14 L 015	20-450	20	450	3/8x1 1/8	.93
14 L 016	30-450	30	450	1x2	1.02
14 L 017	40-450	40	450	1x2 3/8	1.08
14 L 004	60-450	60	450	1x3	1.41
14 L 005	80-450	80	450	1x3 3/8	1.68
14 L 547	100-450	100	450	1x3 3/8	1.92
19 L 215	4-500	4	500	3/8x1 1/8	.72
14 L 000	8-500	8	500	3/8x1 1/8	.78
14 L 001	16-500	16	500	3/8x1 1/8	.90
14 L 002	20-500	20	500	3/8x1 1/8	.96
14 L 003	30-500	30	500	1x2	1.05
14 L 534	8-600	8	600	1 1/2x2 3/8	1.26
14 L 535	10-600	10	600	1 1/2x3 3/8	1.32
14 L 537	16-600	16	600	1 1/2x3 3/8	1.53
14 L 541	16-700	16	700	1 1/2x4 3/8	1.59

B DUAL SECTION (Cont'd)

Stock No.	Type	Mfd	W. V.	Size In.	NET
19 L 258	5315	50-30	150	1 1/2x2 3/8	1.17
19 L 259	5515	50-50	150	1 1/2x2 3/8	1.26
19 L 260	8415	80-40	150	1 1/2x2 3/8	1.35
19 L 609	10837	100-50	150	1 x3	1.80
19 L 1015	100100	100-100	150	1 1/2x3 3/8	1.92
19 L 610	0196	200-5	200	1x3 3/8	2.10
19 L 289	8D25	8-8	250	1 1/2x1 1/8	.96
19 L 263	2225	20-20	250	1 1/2x1 1/8	1.11
19 L 296	3325	30-30	250	1 1/2x2 3/8	1.35
19 L 614	0286	150-100	300	1 1/2x3 3/8	3.15
19 L 265	8D45	8-8	450	1 1/2x1 1/8	1.02
19 L 266	2245	20-20	450	1 1/2x1 1/8	1.50
19 L 297	3345	30-30	450	1 1/2x2 3/8	1.80
19 L 221	4445	40-40	450	1 1/2x4 3/8	2.04
19 L 617	0652	40-50	450	1x3 3/8	1.80

C TRIPLE SECTION

Stock No.	Type	Mfd	W. V.	Size In.	NET
19L230	22215	20-20-20	150	3/8x1 1/8	1.32
19L231	32215	30-25-20	150	3/8x1 1/8	1.35
19L232	42215	40-20-20	150	1x1 1/8	1.35
19L234	43215	40-20-150	150	1x2	1.41
19L235	44215	40-20-150	150	1x2	1.41
19L236	44415	40-40-40	150	1x2 3/8	1.47
19L238	84215	80-40-20	150	1x3	1.65
19L239	33150	30-30-20	150, 25	1 1/2x2	1.32
19L239	42150	40-20-20	150, 25	1x1 1/8	1.29
19L241	44150	40-40-20	150, 25	1 1/2x1 1/8	1.35
19L242	4415X25	40-40, 250, 150	10	1x2 3/8	1.56
19L243	53150	50-30-20	150, 25	1x1 1/8	1.41
19L243	84150	80-40-20	150, 25	1x2 3/8	1.59
19L276	53150C	50-30, 100, 25	150, 25	1x2 3/8	1.47
19L279	42250	40-20, 20, 250, 25	150	1x2 3/8	1.40
18L621	0185	40-40, 40	300	1 1/2x3	2.76
18L626	1411	30, 50, 100	450, 150, 25	1 1/2x3	2.22

B DUAL SECTION

Stock No.	Type	Mfd	W. V.	Size In.	NET
19 L 220	2202	20-20	25	1 1/2x1 1/8	.84
19 L 221	115	10-10	10	1 1/2x1 1/8	.84
19 L 252	2215	20-20	150	1 1/2x1 1/8	.99
19 L 254	3315	30-30	150	1 1/2x1 1/8	1.08
19 L 255	4215	40-20	150	1 1/2x1 1/8	1.05
19 L 257	4415	40-40	150	1 1/2x2 1/8	1.11

C QUADRUPE SECTION

Stock No.	Type	Mfd	W. V.	Size In.	NET
19L290	33215C	30-30-20-20	150, 25	1x2	1.74
19L293	44315C	40-40-20-20	150, 25	1x2 3/8	1.80
19L294	55515C	50-50-50-20	150, 25	1x3	2.07
18L628	0788.4	140-5, 200-30	300, 150	1 1/2x4 3/8	3.09
18L635	0174	40-40-20-20	450	1 1/2x4 3/8	3.27
19L295	22245C	20-20-20, 20	450, 25	1 1/2x3 1/8	2.43

TYPE NLW "ELECTOMITE" SUBMINIATURE ELECTROLYTICS

Tiny aluminum foil capacitors hermetically sealed into ultra-small tubular aluminum cans. Ideal for transistorized or printed circuitry in miniaturized equipment. Cans are tightly fitted with an outer transparent plastic sleeve for freedom from shorts with adjacent components. Terminal connections are securely welded. Surge voltages may be 20% higher than working voltages. Tolerance: -10% to +150%. Leakage: 0.1 μ a/mid./volt, or less. Operating temperature: -20°C to +85°C. Av. wt., 2 oz.



ECBP MINIATURIZED ELECTROLYTICS

Aluminum-foil units sealed in phenolic cases with single-ended parallel leads. Well suited for transistorized and printed circuitry. Tolerance: -10% to +150%. Temperature range: -20° to +65° C. Av. shpg. wt., 2 oz.



3 WVDC				
Stock No.	Mfd	Size In.	NET EACH	
18 L 640	25	1/4x3/8	.75	
19 L 612	50	1/4x3/8	.75	
19 L 775	100	1/4x3/8	.84	
19 L 595	125	1/4x3/8	.84	
18 L 641	200	3/8x3/8	.90	
19 L 776	250	3/8x1	.96	
19 L 777	450	3/8x1 1/2	1.05	

6 WVDC				
Stock No.	Mfd	Size In.	NET EACH	
18 L 645	15	3/8x1/2	.80	
15 L 944	10	1/2x1/2	.91	
19 L 774	30	1/2x3/8	.84	
19 L 597	125	3/8x3/8	.90	

10 WVDC				
Stock No.	Mfd	Size In.	NET EACH	
18 L 652	25	1/4x3/8	.87	
18 L 653	50	3/8x3/8	.93	
19 L 773	125	3/8x3/8	1.11	

15 WVDC				
Stock No.	Mfd	Size In.	NET EACH	
18 L 655	5	3/8x1/2	.84	
18 L 656	10	1/4x3/8	.84	
18 L 657	25	3/8x3/8	.87	
19 L 598	30	1/2x3/8	.90	
19 L 765	40	3/8x3/8	.93	
19 L 766	50	3/8x3/8	.96	
19 L 767	75	3/8x3/8	1.02	
19 L 768	100	3/8x3/8	1.08	
19 L 770	150	3/8x1 1/8	1.17	
19 L 772	200	3/8x1 1/8	1.26	

25 WVDC				
Stock No.	Mfd	Size In.	NET EACH	
19 L 596	3	3/8x1/2	.78	
19 L 758	6	1/4x1/2	.84	
19 L 759	8	1/4x1/2	.87	
19 L 608	10	1/4x3/8	.87	
18 L 660	15	3/8x3/8	.87	
19 L 760	25	3/8x3/8	.93	
19 L 76	30	3/8x3/8	1.05	
19 L 762	40	3/8x3/8	1.05	
19 L 763	50	3/8x3/8	1.08	
19 L 764	100	3/8x1 1/8	1.26	

50 WVDC				
Stock No.	Mfd	Size In.	NET EACH	

Cornell-Dubilier Capacitors

NEW "BLACK CAT" PKM CAPACITORS

Dual dielectric, extra hard molded tubulars combining "Mylar" and Kraft dielectrics. Highly reliable; moisture resistant. Operate from -40° to +125°C. without derating. Tol. = 10%. 2 oz.



200 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
14L200	2S22	.022	1/8x1 1/4"	.15	14L204	2P33	.33	3/4x1 1/4"	.24
14L201	2S47	.047	1/8x1 1/4"	.15	14L205	2P47	.47	1/8x1 1/4"	.36
14L202	2P1	.1	1/8x1 1/4"	.21	14L206	2P68	.68	1/8x1 1/4"	.36
14L203	2P22	.22	1/8x1 1/4"	.24	14L207	2W1	1.0	1x2 1/8"	.63

400 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
14L208	4D22	.0022	1/8x1 1/4"	.15	14L216	1P1	.10	1/2x1 1/2"	.21
14L209	4D47	.0047	1/8x1 1/4"	.15	14L217	1P15	.15	1/2x1 1/2"	.24
14L210	4S1	.01	1/8x1 1/4"	.15	14L218	4P22	.22	3/8x1 7/8"	.27
14L211	4S15	.015	1/8x1 1/4"	.18	14L219	4P33	.33	1/8x1 13/16"	.45
14L212	4S22	.022	1/8x1 1/4"	.18	14L220	4P47	.47	1/8x1 13/16"	.45
14L213	4S33	.033	1/8x1 1/4"	.18	14L221	4P68	.68	3/8x2 1/8"	.45
14L214	4S47	.047	1/8x1 1/4"	.18	14L222	4V1	1.00	1x2 1/8"	.75
14L215	4S68	.068	1/8x1 1/4"	.21					

600 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
14L223	6D1	.001	1/8x1 1/4"	.15	14L233	6P15	.15	1/8x1 3/4"	.30
14L224	6D22	.0022	1/8x1 1/4"	.15	14L234	6P18	.18	1/8x1 3/4"	.39
14L225	6D47	.0047	1/8x1 1/4"	.15	14L235	6P22	.22	1/8x1 3/4"	.42
14L226	6S1	.01	1/8x1 1/4"	.18	14L236	6P33	.33	1/8x1 3/4"	.45
14L227	6S15	.015	1/8x1 1/4"	.18	14L238	6P39	.39	3/8x2 1/8"	.75
14L228	6S22	.022	1/8x1 1/4"	.21	14L239	6P47	.47	1x2 1/8"	.75
14L229	6S33	.033	1/8x1 1/4"	.24	14L240	6P56	.56	1x2 1/8"	1.05
14L230	6S47	.047	1/8x1 1/4"	.24	14L241	6P68	.68	1x2 1/8"	1.05
14L231	6S68	.068	1/8x1 1/4"	.27	14L242	6P82	.82	1x2 1/8"	1.05
14L232	6P1	.10	1/8x1 1/4"	.27					

1000 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
14L245	10D1	.001	1/8x1 1/4"	.15	14L249	10S4	.047	1/8x1 3/4"	.36
14L246	10D33	.0033	1/8x1 1/4"	.15	14L250	10S5	.056	1/8x1 3/4"	.45
14L247	10D47	.0047	1/8x1 1/4"	.15	14L251	10S1	.1	1/8x1 3/4"	.36
14L248	10S1	.01	1/8x1 1/4"	.18					

1600 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
14L252	16D1	.001	1/8x1 1/4"	.15	14L260	16S12	.12	1/2x1 1/2"	.42
14L253	16D22	.0022	1/8x1 1/4"	.15	14L261	16S15	.15	1/2x1 1/2"	.42
14L254	16D39	.0039	1/8x1 1/4"	.15	14L262	16S22	.22	3/8x1 7/8"	.42
14L255	16D47	.0047	1/8x1 1/4"	.15	14L263	16S33	.33	3/8x1 7/8"	.42
14L256	16D56	.0056	1/8x1 1/4"	.18	14L264	16S47	.47	3/8x1 7/8"	.42
14L257	16D68	.0068	1/8x1 1/4"	.18	14L265	16S56	.56	1/8x1 13/16"	.42
14L258	16D82	.0082	1/8x1 1/4"	.18	14L266	16S68	.68	3/8x2 1/8"	.42
14L259	16S1	.01	1/8x1 1/4"	.21					

6000 WVDC				12,500 WVDC					
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
14L267	60D1	.001	3/8x1 3/4"	.81	14L268	60D5	.005	1/8x1 3/4"	.81

10,000 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
14L269	100T5	.0005	1/2x1 1/2"	.90	14L270	125T5	.00025	1/2x1 1/2"	1.02

DPMS PAPER "MYLAR"

Quality side-lead tubulars offering high insulation resistance, high operating temperature range, and dual-dielectric. Constructed with "Mylar" polyester film together with a film of the highest grade paper. The combination of these two substances provides a compact capacitor that is ideal for use in printed and transistorized circuits. "Fixfil" impregnant will not crack, soften or flow, even at maximum operating temperatures. Wire leads are held rigidly at fixed spacings. Tough, durable epoxy case has high humidity resistance, high dielectric strength against soldering, and is unaffected by accidental contacts with soldering irons.



Temperature range: -55°C to +125°C. Derate voltage 25% at +125°C. Capacity tolerance: ±10%. Av. shpg. wt., 4 oz.

200 WVDC									
Stock	Type	Mfd	Size	EA.	Stock	Type	Mfd	Size	EA.
19L785	2S2	.02	1/8x2 3/8"	.15	19L783	2P1	.1	1/8x2 1/8"	.21
19L781	2S47	.047	1/8x2 3/8"	.18	19L786	2P15	.15	1/8x2 1/8"	.24
19L782	2S5	.05	1/8x2 3/8"	.18	19L784	2P25	.25	3/8x1 3/8"	.27

400 WVDC									
Stock	Type	Mfd	Size	EA.	Stock	Type	Mfd	Size	EA.
19L787	4S1	.01	3/8x1 1/2"	.15	19L790	4P1	.1	3/8x1 1/2"	.24
19L788	4S2	.02	3/8x1 1/2"	.18	19L793	4P22	.22	3/8x1 1/2"	.36
19L792	4S22	.022	3/8x1 1/2"	.18	19L791	4P25	.25	3/8x1 1/2"	.36
19L789	4S3	.03	27/8x1 1/2"	.2					

600 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
16L851	6D1	.001	1/8x1 1/4"	.15	16L858	6D75	.0075	3/8x7/8"	.18
16L852	6D15	.0015	1/8x1 1/4"	.15	16L860	6S2	.02	23/8x7/8"	.18
16L853	6D22	.0022	1/8x1 1/4"	.15	16L860	6S22	.022	1/8x7/8"	.18
19L794	6D22	.0022	1/8x1 1/4"	.15	16L861	6S22	.022	1/8x7/8"	.18
16L854	6D33	.0033	3/8x1 1/4"	.15	16L868	6S33	.033	27/8x1 1/2"	.21
19L795	6D33	.0033	3/8x1 1/4"	.15	16L862	6S33	.033	1/8x1 13/16"	.21
16L850	6D4	.004	3/8x1 1/4"	.15	16L863	6S47	.047	3/8x1 13/16"	.21
16L855	6D47	.0047	3/8x1 1/4"	.15	16L864	6S5	.05	3/8x1 13/16"	.24
16L856	6D5	.005	3/8x1 1/4"	.15	16L865	6S68	.068	3/8x1 13/16"	.27
16L857	6D6	.006	3/8x1 1/4"	.18	16L866	6P1	.1	41/8x1 1/2"	.27
16L867	6D68	.0068	3/8x1 1/4"	.18					

1600 WVDC									
Stk. No.	Type	Mfd	Size	EA.	Stk. No.	Type	Mfd	Size	EA.
16L869	16D1	.001	1/8x1 1/4"	.15	16L872	16D5	.005	3/8x1 3/4"	.27
16L876	16D2	.002	1/8x1 1/4"	.15	16L873	16D6	.006	3/8x1 3/4"	.27
16L870	16D3	.003	1/8x1 1/4"	.18	16L874	16D8	.008	3/8x1 3/4"	.30
16L871	16D4	.004	1/8x1 1/4"	.24	16L875	16S1	.01	3/8x1 3/4"	.30

TUBULAR CAPACITOR KITS

PKM Kit. Assortment of 80 PKM "Black-Cat" tubulars in the most popular values. Includes: 10 each, .001, .005, .02, .047 and 1 mfd; 12 each, .01, .05 mfd; and 6—.002 mfd. All rated 600 WVDC; have tolerances of ±10%. In clear plastic hinged box, 1/8x1x6 1/2". 3 lbs.

14 L 271 NET 15.60

DPMS Kit. Same values, ratings and plastic box as above, but includes 80 dipped paper and "Mylar" DPMS tubulars. Shpg. wt., 3 lbs.

18 L 343. NET 15.50

WMF "MYLAR" FILM-ENCASED TUBULAR CAPACITORS



Combine small size with exceptional strength and durability; excellent stability with wide temperature range and long life. Feature high insulation resistance; low power factor. Operate at 125°C; full voltage to 85°C. Tolerance, ±10%. Av. wt., 2 oz.

100 WVDC							
Stk. No.	Mfd	Size	EA.	Stk. No.	Mfd	Size	EA.
16 L 975	.001			16 L 985	.047	1/8x3/8"	.27
16 L 976	.0015			16 L 986	.068	3/8x3/8"	.27
16 L 976	.0022	3/8x1/2"	.21	16 L 987	.13	1/8x3/8"	.27
16 L 978	.0033			16 L 988	.15	23/8x3/8"	.36
16 L 979	.0047			16 L 989	.22	27/8x1"	.39

200 WVDC							
Stk. No.	Mfd	Size	EA.	Stk. No.	Mfd	Size	EA.
16 L 980	.0068	1/8x1 1/2"	.21	16 L 990	.33	1/8x1 1/2"	.45
16 L 981	.01	1/8x1 1/2"	.21	16 L 991	.47	1/8x1 1/2"	.51
16 L 982	.015	1/8x1 1/2"	.21	16 L 992	.68	3/8x1 1/4"	.57
16 L 983	.022	3/8x1 1/2"	.24	16 L 993	1.0	3/8x1 1/2"	.87
16 L 984	.033	1/8x3/8"	.24				

400 WVDC							
Stk. No.	Mfd	Size	EA.	Stk. No.	Mfd	Size	EA.
16 L 877	.001	3/8x3/8"	.21	16 L 888	.068	1/2x3/8"	.27
16 L 878	.0015	3/8x3/8"	.21	16 L 889	.1	1/2x3/8"	.36
16 L 879	.0022	3/8x3/8"	.21	16 L 890	.15	1/2x7/8"	.36
16 L 880	.0033	3/8x3/8"	.24	16 L 891	.22	1/2x1 1/8"	.39
16 L 881	.0047	1/8x3/4"	.24	16 L 892	.33	1/2x1 1/8"	.45
16 L 882	.0068	1/8x3/4"	.24	16 L 893	.47	1/2x1 1/4"	.51
16 L 883	.01	1/8x3/4"	.21	16 L 894	.68	3/8x1 1/4"	.57
16 L 884	.015	1/8x3/4"	.21	16 L 895	1.0	3/8x1 1/4"	.87
16 L 885	.022	3/8x3/4"	.24	16 L 896	1.5	23/8x1 1/4"	1.23
16 L 886	.033	1/8x3/4"	.24	16 L 898	2.0	1x1 1/8"	1.50
16 L 887	.047	3/8x3/4"	.27				

600 WVDC							
Stk. No.	Mfd	Size	EA.	Stk. No.	Mfd	Size	EA.
16 L 826	.001	3/8x3/8"	.21	16 L 837	.068	23/8x1 1/4"	.33
16 L 827	.0015	3/8x3/8"	.21	16 L 838	.1	23/8x1 1/4"	.33
16 L 828	.0022	3/8x3/8"	.21	16 L 839	.15	33/8x1 1/4"	.36
16 L 829	.0033	3/8x3/8"	.24	16 L 840	.22	33/8x1 1/4"	.42
16 L 830	.0047	1/8x3/4"	.24	16 L 841	.33	33/8x1 1/4"	.42
16 L 831	.0068	1/8x3/4"	.24	16 L 842	.47</		

Capacitors—Capacitor Hardware—Interference Filters

CORNELL-DUBILIER

TJU—TJL HERMETICALLY SEALED TRANSMITTING CAPACITORS

Quality Dykanol capacitors for dependable power supply filter applications in industrial, laboratory, and transmitting equipment. Hermetically sealed case; dielectric impervious to heat. Similar to Mlt Type CP70. *Type TJL, all others are Type TJU with universal intg. strap. Type TJL has standard width brackets with single mtg. holes. Range: -55° to +85°C. Tolerance: ±10%. Av. shgp. wt., 5 lbs.

Stock No.	Mfd	VVDC	Size	NET
73 L 602	4	600	3 1/2 x 2 1/2 x 1 3/4"	4.31
73 L 603	8	600	3 3/4 x 3 3/4 x 1 1/2"	6.19
73 L 650	10	600	4 3/4 x 3 3/4 x 1 1/2"	6.52
73 L 614	.5	1000	2 1/2 x 1 1/2 x 1 1/4"	2.66
73 L 605	1	1000	2 1/2 x 1 1/2 x 1 1/4"	2.88
73 L 606	2	1000	4 1/2 x 1 1/2 x 1 1/4"	3.61
73 L 607	4	1000	4 3/4 x 2 1/2 x 1 3/4"	4.84
73 L 608	8	1000	3 3/4 x 3 3/4 x 1 1/4"	6.92
73 L 651	10	1000	4 3/4 x 3 3/4 x 1 1/4"	7.93
73 L 652	15	1000	4 3/4 x 3 3/4 x 2 1/4"	10.82
73 L 617	4	2000	3 3/4 x 3 3/4 x 1 1/4"	8.00
73 L 690	8	2000*	4 3/4 x 3 3/4 x 3 3/4"	12.09

TYPE DYR PAPER CAPACITORS

High-reliability, metal cased, Dykanol paper by-pass capacitors. Non-inductively wound. For RF and AF by-pass. AF coupling circuits. Meet "F" characteristics of JAN-C-5. Tolerance: ±10%. 600 WVDC, except *1000 WVDC. Operating range: -55°C to +85°C. Av. shgp. wt., 6 oz.

Stock No.	Type	Mfd	Size	EA.
14 L 620	6005	.05	1 1/4 x 1 x 3/4"	1.72
14 L 621	6010	.1	1 1/4 x 1 x 3/4"	1.78
14 L 622	6025	.25	1 1/4 x 1 x 3/4"	1.85
14 L 623	6050	.5	1 1/4 x 1 x 3/4"	1.97
14 L 624	6100	1.0	2 x 1 1/2 x 3/4"	2.29
14 L 625	6200	2.0	2 x 2 x 1 1/4"	3.05
14 L 627	6011	-1.1	1 1/4 x 1 x 3/4"	2.44
14 L 629	6055	-5.5	2 x 1 1/2 x 3/4"	2.60
14 L 630	6110	1.0-1.0	2 x 2 x 1 1/4"	3.43
14 L 615	10025	.25	1 1/4 x 1 x 3/4"	1.93
14 L 616	10050	.5	2 x 1 1/2 x 3/4"	2.06

MOUNTING HARDWARE



Mounting hardware for all types of capacitors. Carefully designed to suit tubular and can-type capacitor installations—above as well as below the chassis. Rugged cadmium-plated metal. 2 oz.

Stock No.	Fig.	Description	Pkg. of 2
19 L 478	A	Mtg. Ring, 1/4" dia. cans	.36
19 L 479	A	Mtg. Ring, 1/4" dia. cans	
19 L 480	A	Mtg. Ring, 1/2" dia. cans	
19 L 481	B	Mtg. Clip, 1/2" dia. cans	
19 L 482	B	Mtg. Clip, 1" dia. cans	.36
19 L 483	B	Mtg. Clip, 1 1/2" dia. cans	
19 L 484	C	"C" Clamp, 3/4" dia. cans	
19 L 485	C	"C" Clamp, 1" dia. cans	
19 L 489	D	Mtg. Strap, 1 D. 3/4"	.36
19 L 491	D	Mtg. Strap, 1 D. 3/4"	
19 L 492	D	Mtg. Strap, 1 D. 3/4"	
19 L 493	E	For 3/4" dia. cans	
19 L 494	E	For 1/2" dia. cans	.36
19 L 495	E	For 3/4" dia. cans	
19 L 496	E	For 1/2" dia. cans	
19 L 497	E	For 3/4" dia. cans	
19 L 498	E	For 1 1/4" dia. cans	.36
19 L 499	E	For 1 1/4" dia. cans	

SPRAGUE "HYPASS" CAPACITORS

Feed-through VHF by-pass capacitors. Install in series. 48P18 for voltage regulator. *Screw term. 1AC volts. Bulk-head mtg. Wt., 2 oz.

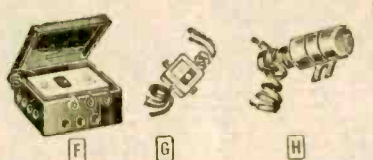


Stock No.	Type	Mfd.	Amps	VVDC	Size	NET
15 L 688	48P18	.5	40	50	1 x 1 1/2"	2.28
15 L 970	48P9	.1	20	250*	1 1/2 x 1 1/2"	1.56
15 L 685	48P8	.1	20	600	1 1/2 x 1 1/2"	1.56
15 L 683	48P12	.002	15	600	1 1/2 x 1 1/2"	1.29
15 L 971	46P8	.005	15	600	1 1/2 x 1 1/2"	1.29
15 L 972	47P5	.01	20	600	1 1/2 x 1 1/2"	1.41
15 L 973	48P9	.005	20	600	1 1/2 x 1 1/2"	1.77
15 L 974	47P12	.005	20	1000	1 1/2 x 1 1/2"	1.44
15 L 974	47P13	.01	20	1000	1 1/2 x 1 1/2"	1.56
15 L 992	47P14	.005	20	2500	1 1/2 x 1 1/2"	1.74
15 L 993	47P15	.01	20	2500	1 1/2 x 1 1/2"	1.86
15 L 697	47P16	.002	20	5000	1 1/2 x 1 1/2"	1.92

CORNELL-DUBILIER

QUITONE FILTERS

Wired-in Types



F Type IF-7A. Designed for permanent installation at the source of interference. Capacitive-inductive type filter suppresses severe interference to radios, TV, etc. Attaches to oil burners, electric motors in dishwashers, disposal units, washing machines, home work shop tools, etc. For use with appliances operating on single phase 0-220 volt AC or DC. Rated 5 amps. 6x6x4". Shgp. wt., 9 lbs. 70 L 124. List. \$13.75. NET 8.25

G Type IF-54. General-purpose capacitive-inductive filter for use in the home and in industry. Eliminates moderate interference from fluorescent fixtures, motors and any appliance drawing 2 amps or less from power line. Miniature size permits easy installation on any appliance. Rated 110-220 volts AC or DC. 1 1/2 x 2 1/2". U.L. Approved. Wt., 8 oz. 70 L 114. List. \$2.50. NET 1.50

H Type IF-24. Designed for permanent installation at the source of interference. For use with motors, fans, etc. Interferes with appliance drawing 2 amps or less from power line. Miniature size permits easy installation. With flexible 7' leads. Size, 1 1/2 x 3/4". For 110 v. AC or DC. U.L. Approved. Wt., 6 oz. 70 L 122. List. \$1.25. NET .75

Plug-in Types



J Type IF-18. Highly effective all wave capacitive-inductive type of filter especially designed for suppression of severe interference. For use wherever ventilating or air conditioning units, washing machines, or machine tools interfere with reception. Bakelite case, 6x3 1/2 x 2 1/2", with line cord and plug attached. Has binding post for attachment to ground wire, if used. Rated at 115 volts, AC-DC. 5 amps. Shgp. wt., 4 lbs. 70 L 120. List. \$9.20. NET 5.52

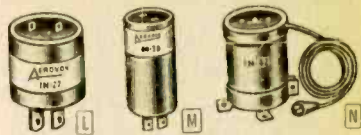
K Type IF-19. Effective capacitive-inductive type filter for use wherever interference is severe. Can be used to eliminate interference from electric fans, diathermy machines, neon signs, washing machines, food mixers, calculating machines, etc. Mounting holes for permanent attachment to baseboard, back of receiver, or any convenient location. Has terminal for ground connection. Rated 115 volts AC-DC. 5 amps. Bakelite case, 4x2 1/2 x 2 1/2". Shgp. wt., 1 1/2 lbs. 70 L 121. List. \$7.70. NET 4.62

Type IF-4. Efficient, plug-in, cylindrical filter for suppression of medium intensity interference produced by fluorescent lighting fixtures, electric shavers, fans, food mixers, billing machines, and similar devices. Well suited for use with small receivers such as AC-DC midset sets, portable TV sets, etc. Filter plugs directly into wall; appliance or receiver plugs into filter. Rated at 115 volts, AC-DC, 5 amps. 1 1/2" dia., 2" long. Shgp. wt., 5 oz. 70 L 125. List. \$1.25. NET .75

Type IF-6. Convenient plug-in filter designed for elimination of moderate interference. Especially suitable for suppression of interference caused by fluorescent lights, electric shavers, and similar devices. Connects between power line and appliance, or between power line and receiver. Rated at 115 volts, AC-DC, 5 amps. 1 1/2" dia., 2" long. Shgp. wt., 6 oz. 70 L 126. List. \$1.95. NET 1.17

AEROVOX

INTERFERENCE FILTERS



L Type IN-27. Plug-in unit for slight interference; electric shavers, etc. Diameter, 1 1/2". 7" long. Shgp. wt., 5 oz. 70 L 096. List. \$1.50. NET .90

Type IN-28. Not illustrated. For use in applications where ground is at a considerable distance. Provides most efficient filtering action when mounted on appliance causing interference. Supplied with convenient mounting bracket. Similar to Fig. L. Diameter, 1 1/2"; length, 2", Wt., 8 oz. 70 L 097. List. \$2.00. NET 1.20

M Type IN-30. Popular, highly-effective plug-in unit for variable noise sources; cash registers, mixers, shavers, etc. Diameter, 1 1/2", 3" long. Shgp. wt., 7 oz. 70 L 098. List. \$2.50. NET 1.50

N Type IN-42. Heavy-duty unit for use where serious interference is present from power transmission lines, oil burners, refrigerators, drills, shavers, etc. Plugs into power line outlet. Appliance or plugs into power bracket. With mounting ring. Rated 6 amps at 110-120 volts AC. Diameter, 2 1/2", 3 3/4" long. Shgp. wt., 1 lb. 70 L 099. List. \$7.50. NET 4.50

Type IN-105. Rugged, low-impedance delta-connected capacitor. Designed to eliminate interference caused by fluorescent fixtures, electric drills, large motors, etc. Connects either across the line, or as a bypass from line to ground. Compact bathtub case. Size: 1 1/2 x 1 1/2". Shgp. wt., 6 oz. 70 L 307. List. \$1.75. NET 1.05

Type IN-106. As above, but for use where many fluorescent fixtures are in use. Also for adding machines, mixers, fans, radio receivers, and sewing machines. Install inside equipment generating noise. One unit per fixture in series where power leads enter. Metal container with four stranded wires. 125v. AC or DC; 2.6 amps. 1 1/2 x 3 1/2". Shgp. wt., 6 oz. 70 L 308. List. \$3.80. NET 2.28

SPRAGUE NOISE FILTERS

Type IF. Compact, multi-section filter for suppressing man-made radio and TV interference. Small and completely self-contained. For use in fans, drills, thermostats, arcing devices, etc. Rated up to 220 volts, AC or DC. Easily installed. Av. shgp. wt., 8 oz.

Stock No.	Type	Fig.	Size	Sections	EACH
70 L 105	IF-21	P	1 x 2 3/8"	Dual	1.05
70 L 113	IF-31	P	3/4 x 2 1/2"	Single	.69
70 L 112	IF-37	R	1 x 2 1/8"	Triple	1.35

Filter Types. Specially designed chokes and coils. Connect in series with power supply lines of industrial interference-producing devices.

Type 4. Fig. 8. Attenuates frequencies above 2 megacycles. Single-hole mounting. Rated at 115 v. AC or DC. Av. shgp. wt., 8 oz.

Stock No.	Mfr's Type	Amps.	Fig.	Size	NET EACH
70 L 092	4	10	T	1 1/2 x 2 1/2"	8.88
70 L 094	4	20	S	1" dia. x 1 3/4"	1.83

FEDTRO "TV TROUBLE TRAPPER"

Constant "K" type high-pass filter. Greatly reduces interference caused by signals below 54 mc. Quickly and easily attached to the antenna terminals of any TV set. Eliminates Amateur signals, diathermy and other industrial interference, ignition noises, etc. Attenuation of undesired signals in excess of 40 db. Size 1 1/2 x 3 1/2 x 1". Shgp. wt. 12 oz. 70 L 184. NET 1.20

Cornell-Dubilier, Sprague, Mallory Electrolytic Capacitors

CORNELL-DUBILIER UP AND UPE CAPACITORS



Efficient electrolytic capacitors in hermetically sealed, seamless aluminum cans. Ideal for use in all types of original equipment as well as for exact replacement in radio, TV, audio, and other electronic equipment. Up to 50 WVDC, capacity tolerance is -10% to +250%; from 51 to 350 WVDC, tolerance is -10% to +100%; from 351 to 450 WVDC, tolerance is -10% to +50%. Up to 450 WVDC, temperature range is +85°C, 500 WVDC types, rated to +65°C. All are UP types except *UPE types designed for selenium rectifier circuits. Av. wt., 5 oz.

SPRAGUE TVL AND PCL MIDGET CAN CAPACITORS



"Twist-Lok" hermetically sealed, aluminum can capacitors. Withstand extremely high temperatures, ripple currents, and surge voltages. For use in printed circuits. With both bakelite and metal mounting washers. All types rated +85°C. Up to 150 WVDC, capacity tolerance is -10% to +100%; above 150 WVDC, -10% to +50%. Can is common negative. Terminals are welded to capacitor cathodes and drilled for easy soldering. Values clearly marked to eliminate replacement error. Av. Shpg. wt., 6 oz.

MALLORY TYPE FP, PFP, AND WP CAPACITORS



For filter, audio by-pass, and TV circuits. Suitable for use with selenium rectifiers. Stable under high ripple current, surge voltages and temperatures. FP types have fabricated plates—WP types have etched-plate anodes. PFP and PWP types are for printed circuits. Tolerances: 0-50 WVDC, -10% to +250%; 100-350 WVDC, -10% to +100%; over 350 WVDC, -10% to +50%. All types rated to +85°C. Supplied complete with insulating washer. Can is common negative. For mounting hardware, see previous page. Av. wt., 6 oz.

Twist-Prong Capacitor Size Chart

Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L
A	3/8x2"	C	1x2"	E	1x3"	G	1x3 1/2"	I	1 1/2x2"	L	1 1/2x3"	N	1 1/2x3 1/2"	P	1 1/2x4"
B	1x1 1/2"	D	1x2 1/2"	F	1x3 1/2"	H	1x4"	J	1 1/2x2 1/2"	M	1 1/2x3 1/2"	O	1 1/2x4 1/2"	R	1 1/2x5"

SINGLE SECTION—Specify Stock Number and Manufacturer's Type Number When Ordering

Stock No.	Cap. Mfd.	DC WV	C-D		SPRAGUE		MALLORY		NET EACH	Stock No.	Cap. Mfd.	DC WV	C-D		SPRAGUE		MALLORY		NET EACH
			A, XA*		TVL		FP, WPT, PFP††						A, XA*		TVL		FP		
			Type	Size	Type	Size	Type	Size					Type	Size	Type	Size	Type	Size	
70LL952	2000	6	0040	J D	1115	J D	1.83	70LL920	200	250	0318*	L	1547	F	128	D	2.19		
70LL949	1000	15	0060	J D	1165	J D	1.53	70LL921	80	300	0355*	L	1573	F	129.1	D	1.74		
70LL950	2000	15	0070	J D	1168	J D	2.07	70LL922	100	300	0340	L	1578	H	129.1	D	2.10		
70LL951	3000	15	0080	J L	1170	J L	1.53	70LL924	150	300	0355*	L	1584	M	1590	P	3.33		
70LL947	500	25	0120	J L	1220	J L	2.13	70LL925	250	300	0355*	L	1590	P	1590	P	3.33		
70LL948	1000	25	0130	J A	1230	J A	1.99	70LL916	40	350	0380	D	1621	C	137	C	1.20		
70LL942	100	50	0140	J A	1317	J A	1.59	70LL917	50	350	0350	D	1622	C	138	C	1.26		
70LL943	500	50	0160	J A	1330	J A	1.29	70LL918	80	350	0401*	K	1630	C	144	C	1.71		
70LL944	1000	50	0170	J A	1338	J A	2.25	70LL919	125	350	041*	K	1638	C	144	C	2.37		
70LL945	1500	50	0174	J A	1341	J A	2.64	70LL920	150	350	0415*	L	1642	P	140.6	K	2.37		
70LL933	50	150	0200	C	1415	C	.99	70LL907	10	450	0430	C	1705	C	142	A	.93		
70LL934	80	150	0231*	C	1420	C	1.11	70LL908	15	450	0450	C	1709	C	143	A	1.02		
70LL935	100	150	0241*	C	1423	C	1.20	70LL909	20	450	0460	C	1714	C	144	C	1.08		
70LL936	120	150	0250	C	1425	C	1.29	70LL910	30	450	0470	D	1720	D	145	D	1.17		
70LL937	140	150	0261*	E	1428	E	1.29	70LL911	40	450	0480	E	1725	E	146	D	1.23		
70LL938	150	150	0261*	E	1429	E	1.29	70LL912	50	450	0490	E	1728	E	147	D	1.41		
70LL939	150	150	0262*	K	1430	K	1.47	70LL913	80	450	0510	K	1735	E	149	K	1.83		
70LL940	200	150	0262*	K	1431	K	1.68	70LL914	100	450	0512	L	1750	L	150	L	2.07		
70LL941	300	150	0263	L	1434	L	1.41	70LL915	125	450	0514	P	1760	P	140	C	2.3		
70LL931	120	200	0265.3*	J	1434	J	1.89	70LL900	10	500	0520	C	1940	C	171A	B	1.02		
70LL932	160	200	0270	A	1473	A	.96	70LL901	20	500	0530	D	1943	D	173	C	1.10		
70LL922	40	250	0291	C	1509	C	1.08	70LL902	30	500	0541*	E	1947	E	175	D	1.20		
70LL928	100	250	0312*	C	1535	C	1.62	70LL903	40	500	0550	F	1950	F	177	E	1.50		
70LL929	150	250	0315*	E	1540	E	1.86	70LL904	80	500	0560	L	1958	L	187	D	2.16		
								70LL905	90	500		L	1960	M	187	L	2.10		

DUAL SECTION—Specify Stock Number and Manufacturer's Type Number When Ordering

Stock No.	Cap. Mfd.	DC WV	C-D		SPRAGUE		MALLORY		NET EA.	Stock No.	Cap. Mfd.	DC WV	C-D		SPRAGUE		MALLORY		NET EACH
			B, XB*		TVL, PCL‡		FP, WPT, PFP††						B		TVL		FP		
			Type	Size	Type	Size	Type	Size					Type	Size	Type	Size	Type	Size	
70LL813	1000-1000	15	0040	D	2160	F	200†	J	2.64	70LL963	10-10	450	0370	C	2750	C	231	C	1.14
70LL810	50-50	50	0080	C	2320	C	202.1†	B	1.02	70LL964	20-10	450	0390	D	2754	C	231.3	C	1.35
70LL811	100-100	50	0085	C	2326	C	202.5A†	B	1.06	70LL965	20-20	450	0380	D	2753	D	234A	D	1.35
70LL997	20-20	150	0091*	C	2415	C	208A	B	1.02	70LL966	20-20	450	0400	D	2755	D	234A	D	1.53
70LL998	20-20	150	0110	C	2422	C	211A	B	1.11	70LL967	30-10	450	0410	E	2757	E	237	K	1.44
70LL999	40-20	150	0120	B	2425	C	210A	B	1.11	70LL968	30-30	450	0430	K	2759	K	237	K	1.83
70LL800	40-20	150	0140	B	2428	C	212A	B	1.14	70LL969	40-20	450	0440	K	2762	K	238A	K	1.92
70LL801	50-30	150	0151	C	2432	C	213A	B	1.20	70LL970	40-40	450	0450	L	2764	L	240	L	2.07
70LL802	50-30	150	0161*	D	2432‡	D	213.1††	B	1.20	70LL972	50-50	450	0455	L	2767	L	240	L	2.31
70LL803	50-50	150	0161*	D	2435	D	214A	B	1.29	70LL973	60-40	450	0455	L	2770	M	240	L	2.37
70LL804	70-30	150	0181*	C	2439	D	214.3††	E	1.32	70LL974	60-60	450	0470	L	2772	M	242.5A	M	2.30
70LL805	80-40	150	0181*	C	2442	K	216.2A	E	1.38	70LL975	80-10	450	0470	L	2776	M	245.2	L	2.16
70LL806	80-50	150	0181*	C	2442.1	D	216.1A	J	1.44	70LL976	80-20	450	0473	N	2776.5	M	245.2	L	2.34
70LL807	200-5	150	0189*	K	2444	L	216.1A	J	1.62	70LL977	80-40	450	0480	N	2778	M	245.2	L	3.03
70LL808	200-200	150	0189*	K	2447	P	216.4A	K	2.40	70LL978	100-40	450	0483	R	2780	P	245.2	L	2.91
70LL809	200-200	150	0196*	J	2470	J	216.4††	L	2.40	70LL981	10-20	450-25	0630	C	2701	C	258	D	1.02
70LL992	20-20	250	0210	J	2515	J	217A	B	1.14	70LL980	80-100	450-50	0722	L	2711	L	258	D	2.25
70LL993	40-40	250	0216*	J	2520	J	217A	B	1.14	70LL958	15-15	475	0485	L	2820	D	259	E	1.56
70LL994	150-150	250	0250	R	2535	R	217.7A	C	3.09	70LL959	30-10	475	0486	2824	E	262	L	3.24	
70LL989	10-10	300	0254*	E	2565	C	217.8†	J	1.32	70LL960	40-40	475	0486	2830	L	262	L	3.24	
70LL990	40-40	300	0270	C	2575	C	217.8†	J	2.25	70LL961	80-40	475	0489	2850	P	264.5	R	3.78	
70LL991	80-80	300	0270	C	2585	C	222A	C	1.75	70LL962	80-50	475	0489	2851	P	266	R	3.12	
70LL984	15-15	350	0290	C	2625	C	225A	C	1.35	70LL955	10-10	500	0490	2933	D	284	K	1.17	
70LL985	20-20	350	0300	C	2626	C	227A	C	1.75	70LL954	20-10	500	0500	2935	D	284	K	1.71	
70LL986	30-30	350	0310	E	2628	E	227.3A	D	1.74	70LL955	30-30	500	0500	2937	D	284	K	1.95	
70LL987	100-100	350	0332	R	2641	P	227.7A	K	3.69	70LL956	40-40	500	0530	2940	L	288	L	2.58	
70LL982	80-60	400	0354	R	2677	R	227.7A	K	2.82	70LL957	60-40	500	0540	2944	M	288	L	2.76	

TRIPLE SECTION—Specify Stock Number and Manufacturer's Type Number When Ordering

Stock No.	Cap. Mfd.	DC WV	C-D		SPRAGUE		MALLORY		NET EACH	Stock No.	Cap. Mfd.	DC WV	C-D		SPRAGUE		MALLORY		NET EACH
			C, XC*		TVL, PCL‡		FP, WPT, PFP††						C, XC*		TVL, PCL‡		FP, WPT, PFP††		
			Type	Size	Type	Size	Type	Size					Type	Size	Type	Size	Type	Size	
70LL895	20-20-20	25	0010	C	3210	C	520A†	B	1.17	70LL889	50-30-100	150-150-25	3427	E	309A	C	311A	C	1.62
70LL896	40-40-40	25	0010	C	3230	C	302.38††	D	1.92	70LL890	50-50-20	150-150-25	0580						

Cornell-Dubilier, Sprague, Mallory Electrolytic Capacitors

TRIPLE SECTION Cont'd—Specify Stock Number and Manufacturer's Type Number When Ordering

Stock No.	Cap. Mfd.	DC WV	SPRAGUE				MALLORY		NET EACH	Stock No.	Cap Mfd.	DC WV	C		SPRAGUE		MALLORY		NET EACH
			TVL, PCL S		FP, PFP††		Type	Type					Type	Type	Type	Type			
			Type	Size	Type	Size	Type	Size					Type	Size	Type	Size			
70 LL 879	50-40-30	150	3441.2	D	E	311.63††	D	1.62	70 LL 844	20-10-20	450-450-25	0960	D	L	3735	E	345.8	1.62	
70 LL 880	50-50-50	150	3442	E	E			1.80	70 LL 845	20-20-20	450-450-25	0990	D	L	3739	E	346	1.83	
70 LL 881	60-40-20	150	3443	E	E			1.65	70 LL 847	40-40-20	450-450-25	1070	E	L	3744	E	366	2.34	
70 LL 882	80-40-20	150	3444	E	E	311.7	J	1.74	70 LL 840	20-10-50	450-450-50	0970	E	L	3751	E		2.22	
70 LL 883	120-120-40	150	3448.2	E	L	311.9A	J	2.43	70 LL 310	30-15-150	450-450-50				3753	E		2.22	
70 LL 884	250-200-10	150	3450	M	P			3.36	70 LL 841	40-10-100	450-450-50	1090	L	R	3754.2	L		2.58	
70 LL 885	200-100-60	150	3461.4	P	E			2.73	70 LL 842	80-20-100	450-450-50	1108	L	R	3757	L		2.88	
70 LL 874	60-20-140	200-150-150	3471	E	E			2.88	70 LL 839	40-40-40	450-450-150	1050	L	L	3761	L		2.49	
70 LL 873	80-30-20	200-200-50	3513	E	E			1.68	70 LL 837	40-10-80	450-450-200				3764	L		2.34	
70 LL 871	30-30-20	250-250-25	3585	F	P	320	J	1.74	70 LL 838	40-40-100	450-450-200							2.97	
70 LL 870	40-20-20	250	3565.0	P	P	326.3	J	3.00	70 LL 823	10-10-10	450	0240	D	E	3776	E	375.8	1.56	
70 LL 869	100-200-60	300-150-150	3563	P	P			3.30	70 LL 824	15-15-10	450	0250	D	E	3778	E	376.1	2.67	
70 LL 867	200-60-20	300-250-250	3562	P	P	335	L	2.90	70 LL 825	20-10-10	450	0260	D	E	3779	E	376.3	1.74	
70 LL 866	100-60-20	300-250-250	3580	C	P			1.44	70 LL 826	20-20-20	450	0270	K	K	3780	E	376.5	2.16	
70 LL 862	10-10-10	300	3580	C	P			1.44	70 LL 827	30-20-20	450	0280	L	L	3781	E		2.31	
70 LL 863	120-50-40	300	3585	P	P	326.76††	P	3.51	70 LL 828	30-30-30	450	0300	L	L	3782	M		2.61	
70 LL 864	150-100-30	350-150	3608	F	P			1.71	70 LL 829	40-30-20	450	0330	L	L	3784	L		2.58	
70 LL 861	30-30-20	350-300-25	3620	E	E	331	D	1.89	70 LL 830	40-40-10	450	0340	L	L	3785	L	376.8	2.49	
70 LL 857	15-10-20	350-350-25	3630	C	P	328A	C	1.50	70 LL 831	40-40-10	450	0344	L	L	3786	M		2.67	
70 LL 859	20-10-20	350-350-25	3634	D	D	329.5	C	1.53	70 LL 832	40-40-40	450	0350	N	L	3787	M	377.1	2.94	
70 LL 858	20-20-20	350-350-25	3635	D	D	329.5	C	1.53	70 LL 833	60-20-20	450	0360	N	L	3789	L		2.76	
70 LL 860	30-30-20	350-350-25	3636.3	J	P			2.04	70 LL 834	60-30-10	450	0365	N	L	3790	L		2.70	
70 LL 856	100-60-20	350-350-200	3639.2	D	D	330.3A	C	1.53	70 LL 835	60-40-20	450	0370	R	L	3793	P		3.00	
70 LL 855	20-10-5	350-350-250	3639.4	D	D	330.5A	C	1.44	70 LL 836	80-40-20	450	0371	R	L	3793	P		2.24	
70 LL 851	10-10-10	350	3639.8	D	D	330.7A	C	1.95	70 LL 820	30-30-20	475	0370	L	L	3840	L		2.67	
70 LL 852	30-20-10	350	3640	P	P			2.55	70 LL 821	40-10-10	475	0374	N	L	3843	L	396.2	3.48	
70 LL 853	60-40-20	350	3678	E	E			1.71	70 LL 822	40-30-30	475	0374	N	L	3843	L		3.48	
70 LL 850	20-20-20	400-400-25	3678	E	E			3.66	70 LL 817	40-10-100	500-500-200	1180	L	P	3925	P		1.62	
70 LL 849	100-10-80	400-400-350	3689.3	P	P	333.85	P	3.66	70 LL 814	10-10-10	500	0380	L	L	3952	E		2.52	
70 LL 848	40-90-50	450-150-150	3708	L	K	341A	K	2.40	70 LL 815	30-20-20	500	0390	L	L	3956	L		3.03	
70 LL 843	10-10-20	450-450-25	3731	C	C	345.2	C	1.44	70 LL 816	40-40-10	500	0410	N	M	3965	M		3.03	

FOUR SECTION—Specify Stock Number and Manufacturer's Type Number When Ordering

Stock No.	Cap. Mfd.	DC WV	C-D		SPRAGUE		MALLORY		NET EACH
			D		TVL		FP, WP†		
			Type	Size	Type	Size	Type	Size	
70 LL 757	50-40-160-40	150-150-25-25	0300	J	4410.7	J	408	J	2.13
70 LL 755	60-40-20-200	150-150-10-10	0210	J	4414	J	408	J	2.07
70 LL 749	30-30-30-40	150-150-150-25	0240	J	4415	J	409	J	1.86
70 LL 750	40-40-30-20	150-150-150-25		J	4420	J	411A	J	3.33
70 LL 752	80-40-30-100	150-150-150-25		J	4430	K		J	2.13
70 LL 753	80-40-40-20	150-150-150-25	0325	K	4431	K		J	2.25
70 LL 754	80-40-40-100	150-150-150-25	0330	K	4434	K		J	3.21
70 LL 760	250-200-10-25	150-150-150-50	0010	L	4440	P		J	1.98
70 LL 748	40-40-40-30	150	0014	L	4445	L	412A	J	2.79
70 LL 747	100-80-60-40	150		L	4445	L		J	3.09
70 LL 746	100-40-10-100	250-250-250-50	0360	N	4516	M		J	2.94
70 LL 742	40-40-40-20	300-300-300-150	0370	L	4575	L	419.4A	L	3.54
70 LL 743	100-10-200-30	300-300-150-150	0866	S	4561	P		L	2.73
70 LL 741	150-10-200-30	300-300-150-150	0020	K	4561.3	M		L	2.73
70 LL 740	40-20-10-20	300		K	4579	M		L	3.18
70 LL 739	60-100-60-40	350-350-200-75		L	4609	M	419.67A	M	3.03
70 LL 738	60-40-60-20	350-350-200-150		L	4621.6	M	419.3A	K	2.79
70 LL 736	80-40-20-20	350-350-350-25	0430	L	4635.7	P		K	3.84
70 LL 735	40-40-40-20	350		L	4654	P	420.45A	M	3.50
70 LL 733	80-40-10-20	400-350-200-50		L	4654	P		M	3.18
70 LL 732	80-40-10-20	400-400-400-25	0477	N	4669	P		P	3.57
70 LL 733	80-40-30-40	400-400-400-25	0478	R	4670	P		P	2.94
70 LL 731	40-40-40-20	450-300-300-150		R	4703.7	J	413X	L	2.07
70 LL 730	20-15-20-20	450-450-25-25		J	4712	J	426	L	1.89
70 LL 723	10-10-10-20	450-450-450-25		J	4723	J		L	2.49
70 LL 724	20-20-20-20	450-450-450-25	0520	K	4724.2	K	429	L	2.70
70 LL 726	40-30-10-20	450-450-450-25	0640	L	4734	M		L	2.79
70 LL 727	40-20-20-40	450-450-450-25	0630	L	4732	M		L	1.82
70 LL 728	40-40-10-20	450-450-450-25	0663.2	N	4736	M		M	3.30
70 LL 729	40-40-40-40	450-450-450-25		N	4739	M	430.6A	M	3.30
70 LL 722	30-30-15-30	450-450-450-50	0560	L	4742	L		L	2.73
70 LL 721	40-40-10-100	450-450-450-100	0660	N	4747	M		L	1.80
70 LL 711	5-5-5-5	450	0080	J	4759.7	I	433.6†	J	2.01
70 LL 712	10-10-10-10	450	0090	J	4760	J	434.5	J	2.22
70 LL 713	20-10-10-10	450	0120	K	4761	J		J	2.22
70 LL 714	20-20-20-20	450	0130	L	4763	L	444	L	2.82
70 LL 715	30-30-20-20	450	0144	L	4769.4	L	444.8	L	3.12
70 LL 716	35-35-10-5	450	0150	L	4771	N	445	L	2.76
70 LL 717	40-20-10-10	450	0170	L	4773	N		L	2.94
70 LL 718	40-40-20-20	450	0174	R	4773	P	447A	M	3.26
70 LL 719	40-40-30-30	450	0176	R	4774	P		P	3.63
70 LL 720	40-40-40-40	450	0177	P	4775	P		P	3.87
70 LL 710	20-100-100-80	475-300-50-25	0990	L	4800	L		L	2.88
70 LL 709	15-15-80-40	475-475-300-50	0840	L	4815	N		L	3.36
70 LL 707	50-30-10-20	475-475-475-300	0692	N	4827	N		L	2.61
70 LL 704	20-20-10-10	475	0179.3	K	4832	K	474.5	K	3.06
70 LL 705	20-20-20-20	475	0179.5	L	4834	L	476	L	3.06
70 LL 706	40-20-10-10	475	0179.7	L	4840	L		L	2.52
70 LL 702	30-10-150-30	500-450-50-50	0923	K	4917	K		L	2.10
70 LL 700	10-10-10-8	500	0180	J	4940	J		L	3.42
70 LL 701	40-40-8-8	500	0185	N	4944	P	495A	M	3.42

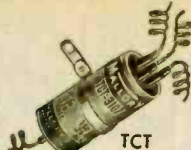
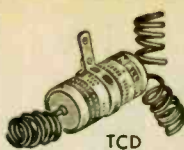
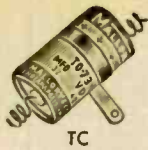
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Mallory Capacitors

METAL-CASED ELECTROLYTICS

Metal, tubular dry electrolytic capacitors. A wide selection of highly dependable capacitors designed for use in radios, television receivers, hi-fi equipment, and many other general-purpose applications. Units are rated up to 150 WVDC have a tolerance of -10% to +100%. Capacitors rated above 150 WVDC have a tolerance of -10% to +50%. All units have external insulating sleeves; ideal for use in crowded, compact chassis. Type TC has 3rd turned copper leads of 12 gauge wire. Types TCD and TCT have 8th insulated wire leads. *Indicates non-



TC

TCD

TCT

polarized type. All capacitors listed are equipped with fixed mounting straps except TC types smaller than 1/8" in diameter. All units have an operating range of up to 85°C, except TC types 81, 83 and 84, which have an operating range to 65°C. Av. shpg. wt., 4 oz.

TYPE TC SINGLE CAPACITORS

Stock No.	Type	Mfd	WVDC	Size	NET
18 L 804	304	200	3	1 1/2 x 1 1/2	.69
17 L 549	305	500	.3	1 1/2 x 1 1/2	.84
17 L 463	310	1000	3	1 1/2 x 1 1/2	1.02
17 L 461	605	500	6	1 1/2 x 1 1/2	.93
17 L 462	610	1000	6	1 1/2 x 1 1/2	1.14
17 L 642	1502	200	15	1 3/8 x 1 1/2	.84
17 L 460	1505	500	15	1 3/8 x 1 1/2	1.05
17 L 209	1501	100	15	1 3/8 x 2 1/4	1.38
17 L 600	26	25	25	2 1/2 x 3/4	.60
17 L 601	26	25	25	2 1/2 x 3/4	.54
17 L 602	29	50	25	3 1/2 x 1 1/2	.66
17 L 500	2501	100	25	3 1/2 x 2 1/4	.81
19 L 933	2501S	150	25	3 1/2 x 2 1/4	.87
17 L 466	2505	500	25	3 1/2 x 2 1/4	1.38
19 L 932	31	1	50	4 1/2 x 1 1/2	.54
17 L 639	302	2	50	4 1/2 x 1 1/2	.54
17 L 623	30	5	50	4 1/2 x 1 1/2	.60
17 L 603	32	10	50	4 1/2 x 1 1/2	.60
17 L 604	36	25	50	4 1/2 x 1 1/2	.63
17 L 605	39	50	50	4 1/2 x 1 1/2	.72
17 L 641	3501	100	50	4 1/2 x 2 1/4	.84
18 L 342	5002S	250	50	4 1/2 x 2 1/4	1.05
17 L 458	40	5	150	4 1/2 x 2 1/4	.60
17 L 624	41	8	150	4 1/2 x 2 1/4	.63
17 L 459	42	10	150	4 1/2 x 2 1/4	.63
17 L 608	44	16	150	4 1/2 x 2 1/4	.69
17 L 502	45	20	150	4 1/2 x 2 1/4	.72
17 L 610	47	30	150	4 1/2 x 2 1/4	.78
17 L 611	48	40	150	4 1/2 x 2 1/4	.81
17 L 504	49	50	150	4 1/2 x 2 1/4	.84
17 L 640	492	80	150	4 1/2 x 2 1/4	.96
18 L 802	493	100	150	4 1/2 x 2 1/4	1.05
17 L 242	495	150	150	4 1/2 x 2 1/4	1.05
17 L 519	496	200	150	4 1/2 x 2 1/4	1.58
19 L 931	499	300	150	4 1/2 x 2 1/4	1.53
17 L 626	50X	5	250	4 1/2 x 3 1/4	.63
17 L 627	51	8	250	4 1/2 x 3 1/4	.69
17 L 457	52	10	250	4 1/2 x 3 1/4	.72
17 L 503	54	16	250	4 1/2 x 3 1/4	.75
17 L 629	54	20	250	4 1/2 x 3 1/4	.78
17 L 505	55	20	250	4 1/2 x 3 1/4	.81
17 L 633	58	40	250	4 1/2 x 3 1/4	.93
17 L 243	59	50	250	4 1/2 x 3 1/4	1.05
17 L 249	1265	100	250	4 1/2 x 2 1/4	1.47
19 L 927	595	2	350	5 1/2 x 1 1/2	1.26
17 L 634	60	5	350	5 1/2 x 1 1/2	.63
17 L 635	61	8	350	5 1/2 x 1 1/2	.71
17 L 455	62	10	350	5 1/2 x 1 1/2	.75
19 L 929	64	16	350	5 1/2 x 1 1/2	.84

TYPE TC SINGLE CAPACITORS (Cont'd)

Stock No.	Type	Mfd	WVDC	Size	NET
17 L 456	65	20	350	1 1/2 x 1 1/2	.87
17 L 244	68	50	350	1 1/2 x 2 1/4	1.17
18 L 801	69	100	350	1 1/2 x 2 1/4	1.86
19 L 928	695	2	450	1 1/2 x 1 1/2	.66
17 L 452	70	5	450	1 1/2 x 1 1/2	.72
17 L 619	71	8	450	1 1/2 x 1 1/2	.75
17 L 620	72	10	450	1 1/2 x 1 1/2	.78
17 L 638	73	12	450	1 1/2 x 1 1/2	.81
17 L 622	74	16	450	1 1/2 x 1 1/2	.84
17 L 453	75	20	450	1 1/2 x 1 1/2	.93
17 L 454	77	30	450	1 1/2 x 2 1/4	1.02
17 L 508	78	40	450	1 1/2 x 2 1/4	1.08
19 L 925	79	50	450	1 1/2 x 2 1/4	1.26
18 L 800	795	60	450	1 1/2 x 2 1/4	1.38
17 L 204	80	80	450	1 1/2 x 4	1.68
19 L 926	805	100	450	1 1/2 x 3	1.92
17 L 245	81	10	500	1 1/2 x 3	.81
19 L 924	82	10	500	1 1/2 x 3	1.62
17 L 246	83	20	500	1 1/2 x 3	.96
17 L 247	84	30	500	1 1/2 x 3	1.05
17 L 450	92	10	600	1 1/2 x 2 1/4	1.77

TCD COMMON-NEGATIVE DUALS

Stock No.	Type	Mfd	WVDC	Size	NET
18 L 081	*16	500	16	1 1/2 x 2	.78
17 L 479	26	25	25	1 1/2 x 1 1/2	.84
17 L 503	45	20-20	150	1 1/2 x 1 1/2	.99
17 L 477	47	30-30	150	1 1/2 x 1 1/2	1.11
17 L 480	485	40-20	150	1 1/2 x 1 1/2	1.05
17 L 478	48	40-40	150	1 1/2 x 2	1.11
17 L 482	497	50-30	150	1 1/2 x 2	1.17
17 L 481	49	50-50	150	1 1/2 x 2 1/4	1.26
18 L 344	498	80-50	150	1 1/2 x 2 1/4	1.41
17 L 475	52	10-10	250	1 1/2 x 2	.99
17 L 476	55	20-20	250	1 1/2 x 2 1/4	1.11
17 L 474	65	20-20	350	1 1/2 x 2 1/4	1.35
17 L 507	72	10-10	450	1 1/2 x 3	1.10
17 L 472	75	20-20	450	1 1/2 x 3 1/4	1.10
17 L 468	78	40-40	450	1 1/2 x 4	2.04

TCT TRIPLE COMMON NEGATIVE

Stock No.	Type	Mfd	WVDC	Size	EACH
18 L 371	3107	50-30	150	1 1/2 x 2 1/4	1.41
18 L 374	3114	40-20	150	1 1/2 x 2 1/4	1.41
18 L 376	3116	40-40	150	1 1/2 x 2 1/4	1.35
18 L 375	3115	40-40	150	1 1/2 x 2 1/4	1.41
		40	150	1 1/2 x 2 1/4	1.47

GEM MOLDED TUBULAR PAPER CAPACITORS



General-purpose gem molded tubular paper capacitors manufactured to extremely high standards. Rugged mineral-filled bakelite cases and resin sealing effectively prevent the entry of moisture and protect units against mechanical shock. All have double-tinned copper-weld leads. All types from .001 mfd through 1 mfd @ 600 WVDC have "diam" paper-mylar dielectric. Temperature range: -40° to +85°C. Capacity tolerance: 20% except *10%. Av. shpg. wt., 5 oz.

Stock No.	Type	Mfd	WVDC	Size	EACH
18 L 546	621	.001	50	3/8 x 1 1/2	.15
18 L 547	6215	.0015	50	3/8 x 1 1/2	.15
18 L 548	622	.002	50	3/8 x 1 1/2	.15
18 L 549	6222	.0022	50	3/8 x 1 1/2	.15
18 L 550	6225	.0025	50	3/8 x 1 1/2	.15
18 L 551	623	.003	50	3/8 x 1 1/2	.15
18 L 552	6233	.0033	50	3/8 x 1 1/2	.15
18 L 553	624	.004	50	3/8 x 1 1/2	.15
18 L 554	6247	.0047	50	3/8 x 1 1/2	.15
18 L 555	625	.005	50	3/8 x 1 1/2	.15
18 L 556	626	.006	50	3/8 x 1 1/2	.15
18 L 557	6268	.0068	50	3/8 x 1 1/2	.18
18 L 559	628	.008	50	3/8 x 1 1/2	.18
18 L 560	6282	.0082	50	3/8 x 1 1/2	.18
18 L 561	611	.01	50	3/8 x 1 1/2	.18
18 L 562	6112	.012	50	3/8 x 1 1/2	.18

600 VOLTS DC WORKING (Cont'd)

Stock No.	Type	Mfd	WVDC	Size	EACH
18 L 563	6115	.015	50	3/8 x 1 1/2	.18
18 L 564	612	.02	50	3/8 x 1 1/2	.18
18 L 565	6122	.022	50	3/8 x 1 1/2	.18
18 L 566	6125	.025	50	3/8 x 1 1/2	.18
18 L 567	613	.03	50	3/8 x 1 1/2	.21
18 L 568	6133	.033	50	3/8 x 1 1/2	.21
18 L 569	614	.04	50	3/8 x 1 1/2	.21
18 L 570	6147	.047	50	3/8 x 1 1/2	.24
18 L 571	615	.05	50	3/8 x 1 1/2	.24
18 L 572	6156	.056	50	3/8 x 1 1/2	.24
18 L 573	616	.06	50	3/8 x 1 1/2	.24
18 L 574	6168	.068	50	3/8 x 1 1/2	.27
18 L 575	601	.1	50	3/8 x 1 1/2	.27
18 L 576	6015*	.15	50	3/8 x 1 1/2	.30
18 L 577	602*	.2	50	3/8 x 1 1/2	.39
18 L 578	6022*	.22	50	3/8 x 1 1/2	.42
18 L 579	6025*	.25	50	3/8 x 1 1/2	.42
18 L 582	6047*	.47	50	1 1/2 x 3	.48
18 L 583	605*	.5	50	1 1/2 x 3	.48
18 L 584	6068*	.68	50	1 1/2 x 3	.48
18 L 585	61*	1.0	50	1 1/2 x 3	.75

1600 VOLTS DC WORKING

Stock No.	Type	Mfd	WVDC	Size	EACH
18 L 387	1621*	.001	150	3/8 x 1 1/2	.39
18 L 388	1622*	.002	150	3/8 x 1 1/2	.39
18 L 747	1623*	.003	150	3/8 x 1 1/2	.39
18 L 749	1624*	.0047	150	3/8 x 1 1/2	.39
18 L 750	16247*	.0047	150	3/8 x 1 1/2	.39
18 L 751	1625*	.005	150	3/8 x 1 1/2	.39
18 L 753	1626*	.006	150	3/8 x 1 1/2	.39

PVC "MYLARS"

"Mylar" capacitors featuring encapsulation in flexible, moisture proof blue polyvinyl chloride casings. Ideal for limited space and printed circuit use. Have excellent low drift characteristics; highly recommended for circuits requiring high reliability and moisture resistance. Casing is resistant to soldering iron heat. Temperature range: -40° to +105°C.; tolerance: ±10%. Av. shpg. wt., 2 oz.



Stock No.	Type	Mfd	WVDC	Size	EACH
28 L 832	1122	.022	100	3/8 x 3/4 x 2 1/2	.24
28 L 833	1133	.033	100	3/8 x 3/4 x 2 1/2	.24
28 L 834	114	.04	100	3/8 x 3/4 x 2 1/2	.24
28 L 835	1147	.047	100	3/8 x 3/4 x 2 1/2	.24
28 L 836	101	.10	100	3/8 x 3/4 x 2 1/2	.24
28 L 837	1025	.25	100	3/8 x 3/4 x 2 1/2	.30
28 L 838	2015	.15	200	3/8 x 3/4 x 2 1/2	.39
28 L 839	10	1.0	100	3/8 x 3/4 x 2 1/2	.57
28 L 840	11P5	15	100	3/8 x 3/4 x 2 1/2	.78
28 L 841	12	2.0	100	3/8 x 3/4 x 2 1/2	.96
28 L 842	211	.01	200	3/8 x 3/4 x 2 1/2	.24
28 L 843	2115	.015	200	3/8 x 3/4 x 2 1/2	.24
28 L 844	212	.02	200	3/8 x 3/4 x 2 1/2	.24
28 L 845	2133	.033	200	3/8 x 3/4 x 2 1/2	.24
28 L 846	215	.05	200	3/8 x 3/4 x 2 1/2	.24
28 L 847	201	.10	200	3/8 x 3/4 x 2 1/2	.27
28 L 848	2015	.15	200	3/8 x 3/4 x 2 1/2	.30
28 L 849	2025	.25	200	3/8 x 3/4 x 2 1/2	.36
28 L 850	2033	.33	200	3/8 x 3/4 x 2 1/2	.45
28 L 851	205	.5	200	3/8 x 3/4 x 2 1/2	.45
28 L 852	21	1.0	200	3/8 x 3/4 x 2 1/2	.78
28 L 853	22	.0022	200	3/8 x 3/4 x 2 1/2	1.26
28 L 854	4222	.0022	400	3/8 x 3/4 x 2 1/2	.21
28 L 855	4247	.0047	400	3/8 x 3/4 x 2 1/2	.21

Printed Circuit Kits and Capacitor Hardware

PRINTED CIRCUIT KITS



A



B



C



D



E



F



G

These kits permit the experimenter or hobbyist to gain actual experience in the layout and design of printed circuits.

A Micro-Circuits S21 Kit. Lets you create all types of miniature-sized electronic equipment. Make resistors, capacitors, connecting wires and many other components. Kit also allows you to paint your own radio circuit and make repairs on printed circuits. Includes: brush; silver-conducting paint; low, medium, high and very high resistance paints; insulating lacquer; solvent; brush cleaner; the manual, "Design and Repair of Printed Circuits," plus other literature. Wt., 1 1/4 lbs.
NET 18.11
 11 L 146.

B C-C Electronics 683 Repair Kit. You'll be able to save time and minimize replacement of printed circuit components with this handy repair kit. Permits quick repair jobs on resistors, capacitors, coils, wiring, sockets, lugs, copper foil, etc.—a valuable service aid. Includes: foil; solder washers; solder; "solder ease" tool for tightening contacts, etc.; fiber-glass brush; 6 oz. spray can of silicone resin lacquer; solvent for removing solder; tweezers; Ungar soldering iron; Instructions. 7x12 1/2 x 3 1/2". Shpg. wt., 1 lb.
NET 9.31
 11 L 138, List, \$13.95.

C Kepro Model PL-2A Photo Layout Kit. Ends the necessity of inking and lettering by use of mechanical negative materials and pressure sensitive tapes, dots, letters, and numerals. Layout time required is less than half of that needed for conventional methods. Errors in artwork are easily corrected without destroying original work. Materials may be used directly as negative. Contents: One card each of 1/4", tape dots, 1/8" tape strips, 1/2" tape strips, and assorted sizes letters and numerals; 1 acetate sheet; 1 mechanical negative; 2 graph papers; instructions and data. Wt., 1 lb.
NET 3.95
 11 L 139.

Kepro Model PL-200 Master Layout Kit. (Not illus.) Uses same time-saving methods as PL-2A kit above, but includes materials to make 18x24" artwork. Contents: 2 pcs.—18x24" matte surface "Mylar"; 2 pcs.—18x24" mechanical negative, "Mylar" base; 4 pcs.—17x21" graph paper; 500 ea.—1/8" and 1/2" tape dot terminations; 30 yds. ea.—1/8" and 1/2" tape conductor strips; letters; opaquing fluid; tools; data. Shpg. wt., 4 lbs.
NET 36.30
 11 LU 143.

D New Kepro SC-601 Photo Screen Kit. Contains all necessary materials to produce 3 silk screens with print areas up to 7 1/2" x 9". Materials produce lacquer resistant film type photo stencils. No dark room is required. Devices of etched circuit boards, nameplates, instrument panels or decorative printing. Includes: screen frame with silk, 10x12"; 2 pieces of screen silk, 14x16"; 1 roll 8x30" stencil film; 1—12 photo flood; stencil developing and short stop chemicals; developing and short stop trays; 8 1/2x11 1/2" print frame; thermometer; black and white screening ink; plus other accessories. With instructions, 20 lbs.
NET 35.00
 11 LU 142.

E Kepro NP-303A Enamel Nameplate and Panel Kit. Produces permanent, blue enamel and natural aluminum nameplates in a simple, 4-minute process. Includes 2 sheets of 8x10x.007 sensitized enamel plate, accessories. Wt., 1 lb.
NET 7.25
 11 L 141.

Kepro NP-404 Anodized Aluminum Nameplate and Panel Kit. (Not illus.) Utilizes a photographic process to fabricate black anodized aluminum panels with desired nomenclature for dials, panel overlays, meter faces, etc. Printing is permanently etched in surface of metal, and finished plate withstands weathering, abrasion, and solvents. Includes: 3 sheets of 3x6x.015 sensitized anodized aluminum plate; 3—3x6" acetate sheets; pressure sensitive letters and numerals; 3x6" print glass; developer; clamps; package of etching powder; aluminum developing tray and plastic etching tray. With instructions and data sheet. Shpg. wt., 1 1/2 lbs.
NET 6.55
 11 L 144.

F Kepro L-505A Printed Circuit Lab. Used for a wider range of P.C. board requirements—from prototypes through short production runs. Kit contains: 15 assorted photosensitized, copper-clad phenolic XXXP boards; 4 sensitized boards; developing and etching trays; safelight; photo flood lamp, printing frame; PL-2A layout kit; mechanical negative; etching and developing solution; paint resist and thinner; plastic and aluminum trays; eyelet assortment; cleaning pad; instructions plus descriptive literature. Heavy-duty processing equipment—handles boards to 70 sq. inches. Shpg. wt., 20 lbs.
NET 34.75
 11 LU 105.

G Kepro P-101A Professional Etched Circuit Kit. Produces professional, photo-engraving quality etched circuits. Negative of layout can be produced photographically or mechanically with negative materials supplied. Contains: 3 sheets of sensitized phenolic board; 2 sheets of mechanical negatives; aluminum developing tray; plastic etching tray; 1 cleaning pad; 1 bottle of developer; 2 bottles of etch solution; 1 print glass; 2 frame clamps; and instructions. Shpg. wt., 3 lbs.
NET 5.85
 11 L 109.

Kepro S-101A Standard Etching Kit. (Not illus.) An economy etching kit designed to use in the development of a circuit pattern. Ideal for the beginner or for bread-boarding use by engineers. Contains: 3 sensitized copper-clad phenolic boards; 1 bottle etching resist; 1 package assorted tapes and dots; 1 brush; 1 cleaning pad; 1 bottle etching solution; and easy-to-follow instructions. Wt., 1 1/4 lbs.
NET 3.95
 11 L 119.

KEPRO PRINTED CIRCUIT MATERIALS

A selection of quality printed circuit materials either for replacement use in Kepro PC kits or for those currently engaged in printed circuit development. Have .0015" thick copper coating. All sheets have foil on both sides except "which have coating on one side only. Av. shpg. wt. sheets, 3 oz.; 2 oz. solutions, 6 oz.; pint solutions, 3 lbs.

XXXXP 1/8" PHENOLIC SHEETS

Stock No.	Mfr's Type	Description	Size	NET EACH
11 L 649	PL-1212	Unsensitized*	12x12"	2.48
11 L 655	P2-1212	Unsensitized*	12x12"	3.26
11 L 131	PL-36PB	Perf. Unsen.	3x6"	.95
11 L 149	P2-36PB	Perf. Unsen.	3x6"	.95
11 L 656	S1-33	Light sensitive*	3x3"	.56
11 L 657	S1-36	Light sensitive*	3x6"	.86
11 L 658	S1-66	Light sensitive*	6x6"	1.87
11 L 659	S1-1212	Light sensitive*	12x12"	5.08
11 L 660	S1-710	Light sensitive*	7x10"	2.63
11 L 661	S2-33	Light sensitive	3x3"	.73
11 L 662	S2-36	Light sensitive	3x6"	1.18
11 L 663	S2-66	Light sensitive	6x6"	2.11
11 L 664	S2-1212	Light sensitive	12x12"	7.43
11 L 665	S2-710	Light sensitive	7x10"	3.85

G-10 1/16" GLASS EPOXY SHEETS

Stock No.	Mfr's Type	Description	Size	NET EACH
11 L 666	PL-1212G	Unsensitized*	12x12"	6.74
11 L 667	P2-1212G	Unsensitized*	12x12"	7.14
11 L 668	S1-33G	Light sensitive*	3x3"	.80
11 L 669	S1-36G	Light sensitive*	3x6"	1.52
11 L 670	S1-1212G	Light sensitive*	12x12"	10.24
11 L 671	S2-33G	Light sensitive	3x3"	1.06
11 L 672	S2-36G	Light sensitive	3x6"	1.84
11 L 673	S2-1212G	Light sensitive	12x12"	12.84

CHEMICALS

Stock No.	Type	Description	Size	NET EACH
11 L 674	R-2	Paint resist	2 oz.	.60
11 L 675	T-2	Resist thinner	2 oz.	.50
11 L 676	D-1PT	Developing sol.	Pint	1.15
11 L 161	D-1G	Developing Sol.	Gal.	5.00
11 L 162	E-1P	Etching solution	Pint	.85
11 L 160	E-1G	Etching solution	Gal.	3.00

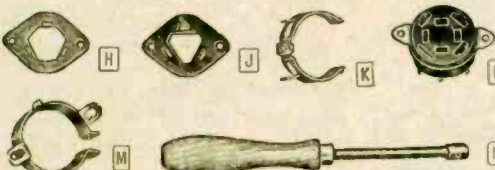
NP-404 MATERIALS

Stock No.	Type	Description	Size	NET
11 L 132	SA36	Anod. Alum. Plate	3x6"	.75
11 L 133	SA1212	Anod. Alum. Plate	12x12"	4.90
11 L 134	D-1PT	Developer	1 pt.	1.15
11 L 135	NP-E	Etching Powder	1 pkr.	.40

NP-303A MATERIALS

Stock No.	Type	Description	Size	NET
11 L 136	EP810	Sen. Enamel Plate	8x10"	1.45
11 L 137	NP-AS	Pr. Sen. Adh. Sheet	8x10"	.70
11 L 140	D-2A	Developer	2 oz.	.75

MALLORY CAPACITOR HARDWARE



For mounting Mallory Type FP or WP capacitors use MP, BP, PS and MW-100 units listed in tables below. For Type TC, FP, WP and other tubular capacitors use VR brackets for vertical mounting, or TH spring clips where horizontal mounting is required. *Metal, Phenolic. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Size	Pkg. of 3	Stock No.	Type	Fig.	Size	EACH
18 L 414	MP-2	H*	1 3/4"	.09	17 L 531	PS-4	L	1"	.42
18 L 415	MP-4	H*	1 3/4"		17 L 532	PS-6	L	1 1/2"	.54
18 L 416	MP-6	H*	1 3/4"		17 L 402	VR-1	M	1 to 1 1/2"	.09
18 L 417	BP-2	J†	1 3/4"		17 L 413	VR-3	M	1 1/2 to 1 3/4"	.09
18 L 418	BP-4	J†	1 3/4"		17 L 414	VR-4	M	1 1/2 to 1 3/4"	.12
18 L 419	BP-6	J†	1 3/4"	.09	17 L 415	VR-6	M	1 1/2 to 1 3/4"	.15
18 L 420	TH-13	K	1/2 to 3/4"		17 L 416	VR-8	M	2 to 2 1/2"	.18
18 L 421	TH-15	K	1/2 to 3/4"		17 L 412	TH-25	K	1 1/2 to 1 3/4"	.06
18 L 422	TH-17	K	1/2 to 3/4"		17 L 417	MW-100	N	Mtg. Wrench	1.05
18 L 423	TH-19	K	1/2 to 3/4"						
18 L 424	TH-21	K	1/2 to 3/4"						

Fiber insulating sleeves for use with Mallory FP type capacitors. Av. shpg. wt., 2 oz.											
Stock No.	Type	Size	EACH	Stock No.	Type	Size	EACH	Stock No.	Type	Size	EACH
17 L 511	CE-3	1x2"	.06	17 L 515	CE-7	1x2 1/2"	.06	17 L 519	CE-11	1 1/2x3 1/2"	.06
17 L 512	CE-4	1x3"		17 L 517	CE-9	1 1/2x2 1/2"	.06	17 L 520	CE-12	1 1/2x3 1/2"	.06
17 L 513	CE-5	1 1/2x3"		17 L 518	CE-10	1 1/2x3 1/2"	.09				
17 L 514	CE-6	1 1/2x3"									

Centralab Capacitors and Printed Circuits

TC TEMPERATURE-COMPENSATING CAPACITORS



Employ special coating to minimize time lag between temperature change and capacity compensation. Comply with JAN-C-20A specs. TCZ is NPO; capacity constant from -20 to +85°C. TCN has negative coefficient of 750 parts/million/°C. A variety of other coefficients may be obtained by connecting both types of capacitors in parallel. All units listed are rated 600 working volts DC. Av. shpg. wt., 2 oz.

TC CAPACITOR SIZES

TYPE TCN		TYPE TCZ	
Cap. Mmf	Size	Cap. Mmf	Size
33 to 100	1 3/16 x 1 3/16"	0.5 to 39	1 3/16 x 1 3/16"
110 to 200	1 3/16 x 1 1/8"	43 to 82	1 3/16 x 1 1/8"
220 to 270	1 1/8 x 1 1/8"	91 to 120	1 1/8 x 1 1/8"
300 to 560	1 1/8 x 1 1/4"	110 to 200	1 1/8 x 1 1/4"
620 to 750	1 1/2 x 1 1/8"	240 to 300	1 1/2 x 1 1/8"

TYPE TCN (N750)

Stock No.	Mmf	EACH
11 L 241	5	.30
11 L 250	10	
11 L 251	12	
11 L 252	15	
11 L 253	18	
11 L 254	20	.30
11 L 255	22	
11 L 494	25	
11 L 257	27	
11 L 258	30	
11 L 259	33	.30
11 L 261	37	
11 L 263	49	
11 L 495	50	
11 L 264	51	
11 L 265	56	.30
11 L 267	62	
11 L 269	68	
11 L 271	100	
11 L 273	120	
11 L 275	150	.30
11 L 276	160	
11 L 277	180	
11 L 280	200	
11 L 282	300	

TYPE TCN (Cont'd)

Stock No.	Mmf	EACH
11 L 283	330	.45
11 L 284	360	
11 L 285	390	
11 L 287	470	
11 L 288	510	
11 L 289	560	.60
11 L 290	620	
11 L 291	680	
11 L 292	750	

TYPE TCZ (Cont'd)

Stock No.	Mmf	EACH
11 L 213	22	.30
11 L 214	24	
11 L 215	25	
11 L 216	27	
11 L 217	33	
11 L 219	39	.30
11 L 220	43	
11 L 221	47	
11 L 493	50	
11 L 222	51		.30
11 L 223	56	
11 L 225	68	
11 L 227	82	
11 L 228	91	.45
11 L 229	100	
11 L 231	120	
11 L 232	130	
11 L 233	150	
11 L 235	180	.45
11 L 236	200	
11 L 237	220	
11 L 238	240	
11 L 240	300	

TYPE TCZ (NPO-ZERO)

Stock No.	Mmf	EACH
11 L 200	.5	.30
11 L 201	.68	
11 L 202	1.0	
11 L 203	1.5	
11 L 204	2.2	
11 L 205	3.3	.30
11 L 206	4.7	
11 L 208	6.8	
11 L 209	12	
11 L 210	15	
11 L 211	18	.30
11 L 212	20	

PACKAGED ELECTRONIC CIRCUITS (PEC)



Complete, printed electronic circuits—with resistors, capacitors, and in some cases, inductors. Ideal for the replacement of entire circuit sections in radio and TV sets. The printed-circuit wiring and all components are bound to a ceramic base and sealed against moisture, temperature change and physical shock. These dependable sub-assemblies are widely used in original equipment applications—especially in TV chassis. Excellent for use by experimenters and those engaged in new design. Offer space-saving features of miniaturization as well as circuit stability at very low cost. All types listed are standard throughout the electronics industry and always stocked, easily replaced. Designed for quick mounting. Av. shpg. wt., 2 oz.

18 L 893. PC-6 Packaged Electronic Circuit Guide. Contains complete data. NO CHARGE ON REQUEST.

No.	Type	Description	NET
11 L 147	PC-50	Diode Load Filter	.60
11 L 148	PC-51	Diode Load Filter	.60
11 L 149	PC-52	Triode Couplate	.60
11 L 151	PC-71	Triode Couplate	.60
11 L 152	PC-80	Triode Couplate	.60
11 L 153	PC-81	Triode Couplate	.60
11 L 153	PC-84	Triode Couplate	.60
11 L 154	PC-90	Pentode Couplate	.90
11 L 155	PC-91	Pentode Couplate	.90
11 L 165	PC-92	Pentode Couplate	.90
11 L 156	PC-100	Vertical Integrator	.75
11 L 157	PC-101	Vertical Integrator	1.05
11 L 158	PC-102	Vertical Integrator	.75
11 L 357	PC-105	Vertical Integrator	.75
11 L 358	PC-106	Vertical Integrator	.75
11 L 350	PC-110	TV IF Filter	.60
11 L 158	PC-150	Audio/Det Couplate	.90
11 L 170	PC-151	Audio/Det Couplate	.90
11 L 359	PC-154	Audio/Det Couplate	.90
11 L 360	PC-157	Audio/Det Couplate	.90
11 L 361	PC-158	Audio/Det Couplate	.90
11 L 362	PC-159	Audio/Det Couplate	.90
11 L 171	PC-160	Pentode/Det Couplate	1.20
11 L 172	PC-161	Pentode/Det Couplate	1.20
11 L 368	PC-260	Sync Takeoff Couplate	.90
11 L 369	PC-262	Sync Takeoff Couplate	.90
11 L 380	PC-263	Sync Takeoff Couplate	.90
18 L 901	PC-314	Retrace Suppression	.75
18 L 908	PC-327	Pentode/Det Couplate	1.05
11 L 352	PC-331	Audio/Det Couplate	.75
11 L 353	PC-355	Sync Coupling Net	1.05
11 L 354	PC-374	Vertical Integrator	.90
11 L 355	PC-378	Tone Control Network	.90
11 L 351	PC-387	De-Coupling Net	1.05
11 L 351	PC-408	Integrator Network	1.20

CERAMIC CAPACITOR KITS



DDK-200 Ceramic Capacitor Kit. Ceramic dielectric capacitors; primarily intended for by-pass and coupling or filter service. Consists of 200 Type DD of 200 Type DD ceramic dielectrics. All 1000 WVDC uncorrected values. 5 each—5, 10, 25, 33, 47, 50, 68, 120, 150, 180, 220, 250, 270, 300, 330, 390, 470, 500, 680, 1500, 3000, 4700, 10,000 (600 v.) mmf. 10 each—100, 200 mmf. 15 of each—1000, 5000, 20,000 (600 v.) mmf. 20 of each—10,000 mmf. Cabinet size, 4x6x1 1/2". Shpg. wt., 6 lbs.

18 L 912 NET 34.10

HVK-150 Ceramic Capacitor Kit. Contains 150 DD Series dielectric ceramics in a single-drawer steel cabinet. Values: DD30 (5 of each)—47, 100, 470, 1000, 2000 mmf.; DD600 (5 of each)—82, 100, 500, 1000, 1500 mmf.; DD16 (10 of each)—3000, 4000, 5000, 6000, 7000, 7500, 8000, 10,500 mmf.; DD16 (20) 10,000 mmf. Cabinet, 4x6x1 1/2". 6 lbs.

18 L 913. NET 47.60

D6-K-200 Ceramic Capacitor Kit. In assorted sizes—includes 200 Type D6 BC tubular ceramic capacitors (see facing page) in 1-drawer steel cabinet—values from 5 to 10,000 mmf., 5 of each included, except 10 or 15 each of the most popular values. Cabinet size, 4x6x1 1/2". Shpg. wt., 6 lbs.

18 L 914. NET 30.95

TCK-80 TC Ceramic Capacitor Kit. Contains 80 temperature-compensating capacitors: 2 each of 20 TCN values from .33 to 750 mmf. and 2 each of 20 TCZ values from .68 to 180 mmf. TCZ is NPO—capacity constant from -20 to +85°C. TCN has neg. coefficient of 750 parts/million/°C. All are 600 WVDC. In steel cabinet, 4x6x1 1/2". Wt., 6 lbs.

18 L 915. NET 26.90

PEC KIT IN CABINET

PCK-40. 40 most popular printed circuits in a steel cabinet. Includes: 2 PC-51; 2 PC-81; 10 PC-100; 2 PC-101; 5 PC-104; 2 PC-105; 2 PC-106; 5 PC-150; 2 PC-151; 2 PC-158; 2 PC-165; 2 PC-387; 2 PC-408. Wt., 6 lbs.

11 L 678. NET 34.25

PRINTED CIRCUIT BOOK

PRINTED CIRCUITS. By Morris Moses (Gertsback). Thoroughly covers printed circuit and miniature equipment. Chapters include: Techniques And Materials; Repair Of Printed Circuit And Subminiature Assemblies. Illustrated. 224 pages, 5 1/2 x 8 1/2".

39 K 279. Postpaid In U.S.A. 2.90

CERAMIC-DIELECTRIC TRIMMERS



Compact, stable trimmer capacitors with ceramic dielectric. Lightweight, easily mounted. Screwdriver adjustment. Provide a smooth, linear rate of change. Full capacity range with 180° rotation. Balanced rotor and heavy spring pressure for excellent mechanical stability, even under conditions of heavy vibration. Silver is fired to stator and rotor, which make contact on flat optically ground surface to eliminate air space. All types rated at 500 WVDC. Power factor: less than .02% at 1 mc. Types 820 have ceramic base, 822 and 823 steatite base, 827 phenolic base, 829 are tubular ceramic (with mounting screw and nut). 820-E is less bracket. Letter N in Type No. indicates negative temperature coefficient, letter Z in type No. indicates zero temperature coefficient. *Body length. Av. shpg. wt., 1 oz.

TYPES 820 AND 822

Stock No.	Mfr's Type	Mmf Range	Base Size	NET EACH
11 L 383	820-B	5-20		.78
11 L 384	820-C	7-35	3/8 x 2 1/2"	
11 L 690	820-E	35-55		
11 L 650	822-DN	2-6		1.05
11 L 651	822-EN	4-30		
11 L 652	822-EP	1.5-25	2 7/8 x 4 1/4"	
11 L 124	822-BN	7-35		
11 L 123	822-AN	8-50		
11 L 653	822-EZ	1.5-7		1.05
11 L 129	822-CZ	2-7.5		
11 L 128	822-FZ	2.5-13	2 7/8 x 4 1/4"	
11 L 654	822-FB	3-12		
11 L 127	822-AZ	4.5-25		

TYPES 823, 827 AND 829

Stock No.	Mfr's Type	Mmf Range	Base Size	NET EACH
11 L 510	823-AN	20-125		3.60
11 L 513	823-AZ	12-62	1 5/8 x 1 3/4"	
11 L 516	827-A	2-6		.75
11 L 517	827-B	3.5-12		
11 L 518	827-C	6-30	1 7/8 x 3/4"	
11 L 519	827-D	7-35		
11 L 400	829-3	5-3	1 1/2"		.30
11 L 401	829-4	1-4	1 1/2"	
11 L 402	829-6	1-6	1 1/2"	
11 L 403	829-7	1-7.5	1 1/2"	
11 L 404	829-10	1.5-10	1 1/2"	

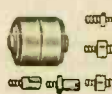
4-STAGE PACKAGED AMPLIFIER



An ultra-miniature, 4-stage, transistorized, high-gain, audio amplifier. Provides 78 db gain @ 1 input. 30 db S/N ratio with 25 µv input. Freq. resp., ±5 db 300 cycles-20,000 cycles. Power up to .5 mw into 1000 ohms impedance @ 1 kc. Input Impedance 2500 ohms. Powered by 1.34-v mercury battery with approx 2 ma. Recommended control: 25K ohms with audio taper. Thoroughly sealed to prevent any kind of damage. Body size is 1 1/2" dia x 1/4". Less battery and control. Shpg. wt., 4 oz.

11 LC 298. NET 45.00

HI-VO-KAP UNIVERSAL CAPACITOR



Type TV-207 High-voltage TV-20 ceramic capacitor with set of 7 attachable terminals. Ideal for service shops—provides maximum coverage with a minimum of inventory. Capacitance 500 mmf. Rated 20,000 working volts DC; 35,000 volts test. Molded plastic insulation, "High-K" ceramic insulation and rugged, threaded-hole terminal studs. Tolerance: -20% +50%. Size, 1" dia x 1 1/4". Shpg. wt., 5 oz.

11 L 016. NET 1.35

TVK-5-50. Handy serviceman's kit of Hi-Vo-Kap capacitors and attachable terminals in clear plastic box with six compartments. Each kit contains 5 TV-20 high-voltage capacitors, and 10 of each of the above pictured attachable terminals. Covers practically all types that may be needed with minimum inventory. Shpg. wt., 1 lb.

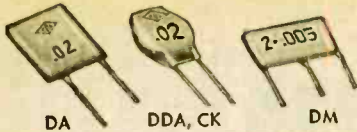
11 L 017. NET 6.75

SERIES DD DISC CERAMICS

An extensive selection of Series DD ceramic capacitors in a wide variety of values and working voltages to suit practically any need. Engineered for circuitry requiring high capacity, low inductance and reliable performance. Small in size and ruggedly constructed, these ceramic capacitors are used extensively in compact radio and television assemblies as well as in high fidelity equipment of all types. These disc ceramic capacitors offer higher dielectric constants, greater breakdown voltages and higher capacities in less space than similarly rated paper or mica capacitors. Leads are No. 22 tinned copper. Tolerances are ±20% except ±0.5 mmf. *±10%. †guaranteed minimum value. Av. shpg. wt. 2 oz.



LOW-VOLTAGE CAPACITORS



Extremely compact, high-capacity, low-voltage ceramic capacitors. Have durable "Durez" resin insulation. Designed especially for transistor circuits and other subminiature applications. Resist effects of heat, moisture and vibration. Av. shpg. wt. 2 oz.

Type DA: 1/4x1/4x1/4" thick. Tolerance -20% to +100%. Rated to 30 WVDC.

Type DDA: 3/8" diameter x 1/4" thick. Tolerance -30% to +80%. Rated at 75 WVDC.

Type DM: 1/4x1/4x1/4" thick. Tolerance * -20% to +50% and † -20% to +80%. Rated at 50 WVDC.

Type CK: diameter as indicated; 3/8" thick. Tolerance -20 to +80%. Rated at 50 WVDC.

TYPE DA

Stock No.	Type	Mfd	EACH
|| L 627	203	.02	.36
|| L 628	503	.05	.81
|| L 629	104	.1	1.35

TYPE DDA

|| L 630	503	.05	.30
|| L 631	104	.1	.60

TYPE DM

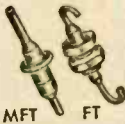
|| L 632	101*	.0001	.30
|| L 633	201*	.0002	
|| L 635	501*	.0005	
|| L 636	102*	.001	
|| L 637	202*	.002	.30
|| L 638	302†	.003	.30
|| L 639	502†	.005	.30
|| L 640	103†	.01	.60

TYPE CK

Stock No.	Type	Mfd	Dia.	EACH
|| L 642	502	.005	3/8"	.21
|| L 643	103	.01	1/2"	.21
|| L 644	203	.02	5/8"	.21
|| L 645	253	.025	3/4"	.21
|| L 646	303	.03	7/8"	.21
|| L 647	503	.05	1"	.21
|| L 648	104	.1	1 1/8"	.60

FEED-THRU HI-KAPS

Tiny ceramics for single-hole mounting. Specifically designed for and widely used in high frequency circuits. Rated 500 WVDC. Type FT has 12-28 mounting nut and .050" dia. tinned copper leads with hooked ends. MFT has 1/4" dia. hole and solfiers to chassis (has No. 16 leads). Tolerance: *±20%; †-20 to +50%; ‡±10%; †guaranteed minimum value. Shpg. wt. 2 oz.



TYPE FT

Stock No.	Type	Mmf	EACH
|| L 390	FT-500	500	.75
|| L 391	FT-1000	1000	
|| L 392	FT-1500	1500	
|| L 393	FT-1800	1800	
|| L 394	FT-2300	2300	

TYPE MFT MINIATURES

|| L 488	MFT-50	50	.30
|| L 489	MFT-100	100	
|| L 490	MFT-500	500	
|| L 491	MFT-1000	1000	

850 TRANSMITTING CAPACITORS

Ideal for RF power circuits in high-voltage, high frequency circuits. Silver electrodes fired to ceramic. †Neg. temp coefficient 750 parts/million. *Zero temp. coeff. ‡Based on 30° temp. rise. 850 types are ±10% tolerance; 858, ±20%. Hex studs 1/8" long, 6-32 tapped thread. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Mmf	WVDC	\$RF Load 30 Mc	EACH
|| L 100	850S-252*	25	7500	7 amps	2.70
|| L 101	850S-502*	50	7500	10 amps	
|| L 102	850S-50N†	50	7500	8.8 amps	
|| L 103	850S-75N†	75	7500	10 amps	
|| L 104	850S-100N	100	5000	9.8 amps	2.70
|| L 107	858S-500	500	5000		
|| L 108	858S-1000	1000	5000		

DD 1000 VOLTS

No.	Type	Mmf	No.	Type	Mmf
|| L 406	3R3†	3.3	|| L 431	471*	.470
|| L 407	050*	6	|| L 432	471G*	.470
|| L 408	060*	6	|| L 433	501*	500
|| L 408	6R8*	6.8	|| L 433	561*	560
|| L 522	080*	8	|| L 536	601*	600
|| L 409	100*	10	|| L 434	681*	680
|| L 523	120*	12	|| L 435	751*	750
|| L 410	150*	15	|| L 436	801*	800
|| L 411	200*	20	|| L 537	821*	820
|| L 525	220*	22	|| L 685	911*	910
|| L 412	250*	25	|| L 437	102*	1000
|| L 527	270*	27	|| L 538	102G†	1000
|| L 413	330*	33	|| L 538	122*	1200
|| L 414	390*	39	|| L 438	152*	1500
|| L 415	470*	47	|| L 709	152G†	1500
|| L 416	500*	50	|| L 540	162*	1600
|| L 417	560*	56	|| L 541	182*	1800
|| L 418	680*	68	|| L 439	202†	2000
|| L 419	750*	75	|| L 542	222†	2200
|| L 529	820*	82	|| L 543	252†	2500
|| L 420	101*	101	|| L 544	272†	2700
|| L 421	121*	120	|| L 440	302†	3000
|| L 531	131*	120	|| L 440	332†	3300
|| L 422	151*	150	|| L 601	392†	3900
|| L 423	181*	180	|| L 602	402†	4000
|| L 424	201*	200	|| L 603	432†	4300
|| L 425	221*	220	|| L 441	472	4700
|| L 426	251*	250	|| L 710	472G†	4700
|| L 427	271*	270	|| L 037	502†	5000
|| L 428	301*	300	|| L 604	562†	5600
|| L 429	331*	330	|| L 605	682†	6800
|| L 534	361*	360	|| L 606	752†	7500
|| L 430	391*	390	|| L 442	502†	5000
|| L 535	401*	400	|| L 106	1032	10,000

NET EACH (All except Type 1032).....15
Type 1032, NET EACH.....24

DD 600 VOLTS

Stock No.	Type	Mmf	EACH
|| L 686	153**	15,000	.24
|| L 042	203**	20,000	.24
|| L 687	303**	30,000	.45
|| L 688	403**	40,000	.45
|| L 689	503**	50,000	.45

UK "ULTRA-KAP" MINIATURE DISC CAPACITORS

Disc ceramic capacitors designed to meet the small size and high capacitance requirements of transistor circuitry. Specifically engineered for low-voltage bypass and coupling applications. Present extremely low power factors. Insulated with double coating of "Durez" and wax impregnated to withstand extreme temperatures, humidity and vibration. 3/8" thick. UK types are 3 WVDC; UK10 types are 10 WVDC. Tolerance -20 to +80%. Guaranteed minimum value. Av. shpg. wt., 2 oz.



Stock No.	Type	Mfd	Dia.	EACH
|| L 286	UK-502	.005	1/4"	.75
|| L 297	UK-103	.01	1/4"	.75
|| L 299	UK-203	.02	1/4"	.75
|| L 701	UK-104	1	3/8"	.54
|| L 293	UK-224	.22	1/4"	.33
|| L 294	UK-474	.47	1/4"	.33
|| L 295	UK-105	1.0	3/8"	.54
|| L 296	UK-225	2.2	3/8"	.54
|| L 702	UK10-503	.05	1/2"	.33
|| L 703	UK10-104	.1	3/8"	.33
|| L 704	UK10-204	.2	3/8"	.33
|| L 705	UK10-474	.47	3/8"	.54

DF FLAT PLATE "HI-KAPS"

Unusually thin compact ceramic capacitors. Excellent for use in bypass, filter, and coupling applications. High stability and permanence. Rated at 600 working volts DC, 1200 volts test. †20 tinned wire leads. Tolerances: Type DF-104, ±80% -20%; Type DF-503 is guaranteed minimum value. Sizes: DF-104, 1/4x1/4x1/4"; DF-503, 1/4x1/4x1/2". Shpg. wt., 3 oz.



Stock No.	Type	Mfd	EACH
|| L 247	DF-503	.05	.75
|| L 245	DF-104	.1	1.05

DD16 1600-VOLT BUFFER CAPACITORS

Stock No.	Mfr's Type	Mfd	NET EACH
|| L 456	302†	.003	.27
|| L 371	502†	.005	
|| L 372	602†	.006	
|| L 457	702†	.007	
|| L 373	752†	.0075	
|| L 374	802†	.008	
|| L 375	103†	.01	
|| L 376	153**	.015	.49

DD30 3000 VOLTS

Stock No.	Mfr's Type	Mmf	Stock No.	Mfr's Type	Mmf
|| L 609	470	47	|| L 619	271	270
|| L 610	500	50	|| L 620	471	470
|| L 612	680	68	|| L 621	501	500
|| L 613	820	82	|| L 622	102	1000
|| L 614	101	100	|| L 624	202	2000
|| L 617	221	220	|| L 626	502	5000

NET EACH (All except 102, 202, 502).....24
Types 102, 202, 502, EACH.....30

DD60 6000 VOLTS

Stk. No.	Type	Mmf	Stk. No.	Type	Mmf
|| L 680	100	10	|| L 475	151	150
|| L 462	250	25	|| L 476	181	180
|| L 468	500	50	|| L 682	391	390
|| L 470	680	68	|| L 486	501	500
|| L 472	820	82	|| L 683	751	750
|| L 473	101	100			

NET EACH.....36

Stk. No.	Type	Mmf	Stk. No.	Type	Mmf
|| L 445	102	1000	|| L 448	202	2000
|| L 447	152	1500			

NET EACH.....60

TYPE D6 BC TUBULAR "HI-KAPS"

Compact, moisture-proof ceramics for use in bypass and coupling or filter applications. Rated at 600 working volts DC, ±10% tolerance, except ±20%. *GMV (guaranteed minimum value). Av. shpg. wt., 2 oz.



D6 CERAMIC CAPACITOR SIZES

Cap. Mmf	Size	Cap. Mmf	Size
3 to 500	1/4x1/4"	2000 to 4000	1/2x1 1/4"
560 to 680	1/4x1 3/8"	4700 to 5600	3/4x2 1/2"
750 to 1800	1/4x1 1/2"	6800 to 10,000	1x1 1/4"

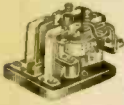
No.	Type	Mmf	No.	Type	Mmf
|| L 545	030	3	|| L 571	271	270
|| L 546	050	5	|| L 572	301	300
|| L 547	100	10	|| L 573	331	330
|| L 548	120	12	|| L 574	391	390
|| L 549	150	15	|| L 575	401	400
|| L 551	200	20	|| L 576	471	470
|| L 552	220	22	|| L 577	501	500
|| L 553	250	25	|| L 578	561	560
|| L 555	330	33	|| L 579	601	600
|| L 556	390	39	|| L 580	681	680
|| L 557	470	47	|| L 582	821	820†
|| L 558	500	50	|| L 583	102	1000†
|| L 559	560	56	|| L 584	152	1500†
|| L 560	680	68	|| L 585	152	1500†
|| L 561	750	75	|| L 586	182	1800†
|| L 562	820	82	|| L 587	202	2000†
|| L 564	101	100	|| L 588	222	2200†
|| L 565	121	120	|| L 589	252	2500†
|| L 566	151	150	|| L 591	302	3000*
|| L 568	181	180	|| L 592	332	3300*
|| L 568	201	200	|| L 593	402	4000*
|| L 569	221	220	|| L 594	472	4700*
|| L 570					

Potter & Brumfield Relays and Accessories

ALLIED CAN SUPPLY THE COMPLETE POTTER & BRUMFIELD LINE. Is the relay you require listed on this page? If not, remember that Allied stocks many other types of

Potter & Brumfield relays—only the most widely used ones are shown here. Contact us for prices and other product information on any types not listed—you will receive a prompt reply.

PR HEAVY-DUTY POWER RELAYS



For industrial applications. Heavy screw terminals. All U.L. Approved; AC types also CSA. Approved; except PR1A1.5, neither. All have 25-amp silver contacts except PR1A1.5 with 20 amp contacts. *Auxiliary SPDT 5-amp contacts. Sizes: all are 2 1/2" wide; PR3, P.R. 2 1/2 x 2 1/4"; PR1, 2 1/2 x 3 1/4". Av. shpg. wt., 12 oz.

Stock No.	Type	Volts	Action	NET
75 P 846	PR3AY	6 AC	SPST	4.15
75 P 951	PR3AY	12 AC	SPST	4.15
75 P 961	PR3AY	24 AC	SPST	4.15
75 P 600	PR3AY	115 AC	SPST	4.15
75 P 652	PR3AY	230 AC	SPST	4.50
76 P 509	PR3DY	12 DC	SPST	4.15
76 P 101	PR3DY	24 DC	SPST	4.15
75 P 968	PR3DY	110 DC	SPST	4.75
75 P 847	PR5AY	6 AC	SPDT	4.35
75 P 878	PR5AY	12 AC	SPDT	4.35
75 P 962	PR5AY	24 AC	SPDT	4.35
75 P 602	PR5AY	115 AC	SPDT	4.35
75 P 966	PR5AY	230 AC	SPDT	4.75
76 P 750	PR5DY	6 DC	SPDT	4.35
76 P 510	PR5DY	12 DC	SPDT	4.35
76 P 754	PR5DY	24 DC	SPDT	4.35
75 P 969	PR5DY	110 DC	SPDT	4.95
75 P 848	PR7AY	6 AC	DPST	4.90
75 P 879	PR7AY	12 AC	DPST	4.90
75 P 963	PR7AY	24 AC	DPST	4.90
75 P 603	PR7AY	115 AC	DPST	4.90
75 P 654	PR7AY	230 AC	DPST	5.35
76 P 102	PR7DY	6 DC	DPST	4.90
76 P 511	PR7DY	12 DC	DPST	4.90
76 P 753	PR7DY	24 DC	DPST	4.90
75 P 970	PR7DY	110 DC	DPST	5.50
75 P 849	PR11AY	6 AC	DPDT	6.45
75 P 752	PR11AY	12 AC	DPDT	6.45
75 P 964	PR11AY	24 AC	DPDT	6.45
75 P 663	PR11AY	115 AC	DPDT	6.45
75 P 655	PR11AY	230 AC	DPDT	6.95
76 P 103	PR11AY	6 AC	DPDT*	8.15
76 P 109	PR11A1.5	12 AC	DPDT*	8.15
76 P 753	PR11A1.5	24 AC	DPDT*	8.15
76 P 755	PR11A1.5	115 AC	DPDT*	8.15
76 P 756	PR11A1.5	230 AC	DPDT*	8.15
76 P 110	PR11A1.5	440 AC	DPDT*	9.40
76 P 508	PR11DY	6 DC	DPDT	6.45
76 P 512	PR11DY	12 DC	DPDT	6.45
76 P 514	PR11DY	24 DC	DPDT	6.45
75 P 971	PR11DY	110 DC	DPDT	7.05

MR MEDIUM-DUTY POWER RELAYS



For general applications. Silver contacts rated 8 amps except MR3 types rated 10 amp. AC coils for 60 cycles. ST actions normally open. Size: MR3 and MR5, 1 1/2 x 1 1/2 x 2 1/4"; MR11, 2 x 2 1/4 x 2 1/4". Av. wt., 4 oz.

Stock No.	Type	Volts	Action	NET
75 P 975	MR3A	6 AC	SPST	3.85
75 P 978	MR3A	24 AC	SPST	3.85
75 P 665	MR3A	115 AC	SPST	3.85
75 P 983	MR3D	6 DC	SPST	3.50
75 P 187	MR3D	12 DC	SPST	3.50
75 P 988	MR3D	24 DC	SPST	3.50
75 P 610	MR5A	6 AC	SPDT	3.45
76 P 517	MR5A	12 AC	SPDT	3.45
75 P 979	MR5A	24 AC	SPDT	3.45
75 P 614	MR5A	115 AC	SPDT	3.45
75 P 657	MR5A	230 AC	SPDT	3.85
75 P 618	MR5D	6 DC	SPDT	3.20
75 P 188	MR5D	12 DC	SPDT	3.20
75 P 989	MR5D	24 DC	SPDT	3.20
76 P 760	MR5D	110 DC	SPDT	3.70
75 P 612	MR11A	6 AC	DPDT	4.85
76 P 758	MR11A	12 AC	DPDT	4.85
75 P 981	MR11A	24 AC	DPDT	4.85
75 P 616	MR11A	115 AC	DPDT	4.85
75 P 659	MR11A	230 AC	DPDT	5.25
75 P 985	MR11D	6 DC	DPDT	4.60
75 P 190	MR11D	12 DC	DPDT	4.60
75 P 991	MR11D	24 DC	DPDT	4.60
76 P 761	MR11D	110 DC	DPDT	5.10
75 P 976	MR14A	6 AC	3PDT	5.80
76 P 759	MR14A	12 AC	3PDT	5.80
75 P 982	MR14A	24 AC	3PDT	5.80
75 P 972	MR14A	115 AC	3PDT	5.80
75 P 974	MR14A	230 AC	3PDT	6.20
75 P 986	MR14D	6 DC	3PDT	5.45
75 P 191	MR14D	12 DC	3PDT	5.45
75 P 992	MR14D	24 DC	3PDT	5.45
76 P 762	MR14D	110 DC	3PDT	5.95

KRP ENCLOSED RELAYS



Completely enclosed compact relays in hi-impact, transparent, plastic cases. Fully dust-proof and weather-proof for long, trouble-free operation. Types KRP5 and KRP11 plug into standard octal sockets. Type KRP14 contacts rated 5 amps at 115 V AC, 60-cycle resistive. 1 1/2 x 1 1/2 x 2". Av. wt., 5 oz.

Stock No.	Type	Volts	Action	NET
75 P 214	KRP5A	6 AC	SPDT	5.45
75 P 215	KRP5A	24 AC	SPDT	5.45
75 P 213	KRP5A	115 AC	SPDT	5.45
75 P 217	KRP5D	6 DC	SPDT	5.40
75 P 244	KRP5D	12 DC	SPDT	5.40
75 P 245	KRP5D	24 DC	SPDT	5.40
75 P 240	KRP5D	110 DC	SPDT	6.00
75 P 920	KRP11A	6 AC	DPDT	6.05
76 P 524	KRP11A	12 AC	DPDT	6.05
75 P 216	KRP11A	24 AC	DPDT	6.05
75 P 922	KRP11A	115 AC	DPDT	6.05
76 P 597	KRP11A	230 AC	DPDT	6.45
75 P 922	KRP11D	6 DC	DPDT	6.00
75 P 246	KRP11D	12 DC	DPDT	6.00
75 P 247	KRP11D	24 DC	DPDT	6.00
76 P 352	KRP11D	110 DC	DPDT	6.60
75 P 091	KRP14A	6 AC	3PDT	7.50
76 P 525	KRP14A	12 AC	3PDT	7.50
75 P 092	KRP14A	24 AC	3PDT	7.50
75 P 093	KRP14A	115 AC	3PDT	7.50
75 P 557	KRP14A	230 AC	3PDT	7.90
75 P 094	KRP14D	6 DC	3PDT	7.45
75 P 095	KRP14D	12 DC	3PDT	7.45
75 P 096	KRP14D	24 DC	3PDT	7.45
76 P 998	KRP14D	110 DC	3PDT	8.05

KCP ENCLOSED RELAYS



Plate circuit relays. In high-impact, weatherproof plastic cases. Fit standard octal or 11-pin socket (at right, below). 2 amp resistive, silver contacts. 1 1/2 x 2" sq. by 2". Wt., 5 oz.

Stock No.	Type	Ohms	Ma	Action	NET
75 P 287	KCP5	2500	7.2	SPDT	5.90
75 P 288	KCP5	5000	5.0	SPDT	6.00
75 P 289	KCP5	10,000	3.6	SPDT	6.40
75 P 290	KCP11	2500	10.0	DPDT	6.30
75 P 291	KCP11	5000	7.2	DPDT	6.40
75 P 292	KCP11	10,000	5.0	DPDT	6.80
75 P 097	KCP14	2500	12.3	3PDT	7.75
75 P 098	KCP14	5000	8.7	3PDT	7.85
75 P 099	KCP14	10,000	6.1	3PDT	8.25

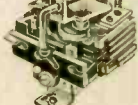
KA GENERAL-PURPOSE RELAYS



Compact, general purpose relays for transmitters, power supply control, etc. Moisture resistant. Heavy-duty contacts rated at 5 amps AC coils for 60 cycles. All are U.L. Approved. 6-32 mounting stud. 1 1/2 x 1 1/2 x 1 1/2". Shpg. wt., 6 oz.

Stock No.	Type	Volts	Action	NET
75 P 158	KA5AY	6 AC	SPDT	3.20
76 P 780	KA5AY	12 AC	SPDT	3.20
75 P 161	KA5AY	24 AC	SPDT	3.20
75 P 164	KA5AY	115 AC	SPDT	3.20
75 P 153	KA5AY	230 AC	SPDT	3.60
75 P 167	KA5DY	6 DC	SPDT	3.05
75 P 170	KA5DY	12 DC	SPDT	3.05
75 P 173	KA5DY	24 DC	SPDT	3.05
75 P 172	KA5DY	110 DC	SPDT	3.65
75 P 159	KA11AY	6 AC	DPDT	3.85
75 P 781	KA11AY	12 AC	DPDT	3.85
75 P 162	KA11AY	24 AC	DPDT	3.85
75 P 165	KA11AY	115 AC	DPDT	3.85
76 P 783	KA11AY	230 AC	DPDT	4.25
75 P 168	KA11DY	6 DC	DPDT	3.85
75 P 171	KA11DY	12 DC	DPDT	3.40
75 P 174	KA11DY	24 DC	DPDT	3.40
76 P 522	KA11DY	110 DC	DPDT	4.00
75 P 160	KA14AY	6 AC	3PDT	4.25
76 P 779	KA14AY	12 AC	3PDT	4.25
75 P 166	KA14AY	24 AC	3PDT	4.25
75 P 169	KA14AY	115 AC	3PDT	4.25
75 P 162	KA14AY	230 AC	3PDT	4.40
75 P 159	KA14DY	6 DC	3PDT	3.85
75 P 172	KA14DY	12 DC	3PDT	3.85
75 P 185	KA14DY	24 DC	3PDT	3.85
76 P 523	KA14DY	110 DC	3PDT	4.35

PC IMPULSE RELAYS



Compact, pulse-operated relay. For on-off reversing applications. Pulses may be as short as 60 milliseconds at 5 cps. Gold-fashed silver contacts, rated 7.5 amps at 15 volts AC, resistive load. Size: 2 1/2 x 2 1/2 x 2 1/2". Shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	NET
76 P 504	PC11A	6 AC	DPDT	5.50
76 P 728	PC11A	12 AC	DPDT	5.50
76 P 502	PC11A	24 AC	DPDT	5.50
76 P 500	PC11A	115 AC	DPDT	5.50
76 P 726	PC11D	6 DC	DPDT	5.35
76 P 111	PC11D	12 DC	DPDT	5.35
76 P 506	PC11D	24 DC	DPDT	5.35
76 P 503	PC17A	24 AC	4PDT	7.60
76 P 501	PC17A	115 AC	4PDT	7.60
76 P 507	PC17D	24 DC	4PDT	7.45

RELAY ACCESSORIES

TYPE "P" RELAY CASE



Model 35D070. Clear, cellulose acetate case for mounting rectifiers, capacitors, resistors or a combination of these components. Equipped with 8-pin, octal-type plug. Same case as used with KRP and KCP relays above. 4 mtg. screws. Use with 9-KR-15 hold-down spring (below) for special applications. 1 1/2 x 2" Shpg. wt., 2 oz.

75 P 559, Type 36D072. As above, but with 11-pin plug. NET.....70
75 P 554, Type 9-KR-15 Hold-Down Spring. For horizontal, inverted, and vibration-secure mounting of KCP and KRP relays. Stainless steel; 2 1/2" mtg. holes on 1 1/2" ctrs. 50 per box. Shpg. wt., 3 oz. NET PER BOX.....5.00
75 P 558, NET.....55

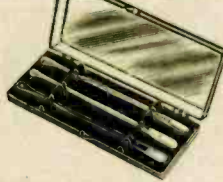
RELAY CASES



For PR Relays. Steel base with aluminum cover. 4 knockouts for 1/2" conduit. Mtg. 3-10 holes on 1 1/2 x 1 1/2" centers. Size, 3 1/2 x 5 1/2 x 3 1/2". Shpg. wt., 1 lb.

76 P 777, NET 3.00
For MR and MS Relays. Steel base with aluminum cover. 2 knockouts for 1/2" conduit. Mounts on pre-drilled holes. Wt., 1/2 lb.
76 P 778, NET.....1.90
Amphenol 77M1P8 Socket. For KRP and KCP relays. For all relays except KRP14 and KCP14. Octal type. Requires 1 1/2" hole. Mtg. centers, 1 1/2". Wt., 5 oz.
40 H 028, NET.....15
Amphenol 77M1P11 Socket. For KRP14 and KCP14 types. Molded bakelite. Mounts in 1 1/2" hole; has 1 1/2" mtg. centers. Wt., 2 oz.
40 H 033, NET.....20

NEW DIACROM RELAY CLEANING SPATULAS



Diamond abrasive spatulas specifically designed for cleaning relay contact surfaces. Require only gentle pressure to do a complete job while leaving contact gap unchanged. Non-clogging. Nylon shaft of high dielectric strength permits use when relay is under power. In three color-coded grades by application, or in plastic-cased kits of 3 spatulas, 6" long. Wt., 2 oz. each; 10 oz., kit.

Stock No.	Mfr's Type	For Cleaning:	NET EACH
77 P 328	200	Industrial Relays	4.95
77 P 329	300	Intermediate Relays	
77 P 330	400	Sensitive Relays	

SPATULA KITS

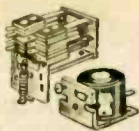
Stock No.	Mfr's Type	Consists of Above Types:	PER KIT
77 P 285	234	1 ea.—200, 300, 400.	14.85
77 P 286	222	3 each—200.	
77 P 289	444	3 each—300.	

Potter & Brumfield, Advance, B-T Relays

POTTER & BRUMFIELD RELAYS

GP "PIC AND BUILD" SERIES

Units available can be combined to produce twenty different relays, each easily converted to an alternative sensitivity or switching arrangement in minutes. The 110 v. DC coil is approximately 5000 ohms. The 2500, 5000 and 10,000 ohm coils may be used in plate circuit applications and can be adjusted to operate on 13, 8, and 6.5 ma respectively. 1/4" diameter switch contacts are rated at 5 amps. Has tapped core to permit mounting with single 8-32 screw. Size, 1x1 1/2x1 1/2". Av. wt., 4 oz.



Stock No.	Mfr's Type	Description	NET
76 P 333	GPA	6 v. AC Coil	1.65
76 P 539	GPA	12 v. AC Coil	1.65
76 P 334	GPA	24 v. AC Coil	1.65
76 P 335	GPA	115 v. AC Coil	1.65
76 P 336	GPA	230 v. AC Coil	2.10
76 P 337	GPD	6 v. DC Coil	2.10
76 P 338	GPD	12 v. DC Coil	2.10
76 P 339	GPD	24 v. DC Coil	2.10
76 P 340	GPD	110 v. DC Coil	2.15
76 P 341	GPD	2500-ohm Coil	1.50
76 P 342	GPD	10,000-ohm Coil	2.10
76 P 343	GP11	DPDT Switch	1.70
76 P 344	GP17	4PDT Switch	2.95

LB-5 PLATE CIRCUIT RELAYS

Small, fast-acting circuit relays. For any circuit supplying only a few milliwatts of DC. Breakdown: 500 volts rms minimum. Silver contacts are rated 5 amps at 115 V. AC, 60-cycle resistive. All units have SPDT action. Adjusted by bending tail-spring hook. Size, 2 3/8x1 1/4x1 3/8". For DC operation only. Shpg. wt., 5 oz.



Stock No.	Ohms	Ma	NET EACH
75 P 625	2500	9	2.45
75 P 626	5000	6.3	2.65
75 P 774	10,000	4.5	2.85

LM PLATE-CIRCUIT RELAYS

For photoelectric and similar circuits. Medium-cost, high quality, current-actuated relays. Pull-in adjustable by tail spring adjusting screws. DC coils only. Silver contacts rated 5 amps, 115 v., 60 cycles, non-inductive load. Have 100 milliwatt sensitivity for single-pole, 200 mw for double-pole. *SPDT; †DPDT. Size are: LM5, 2 1/2x1 1/2x1 1/2". LM11, 2 3/8x2 1/2x2 1/2". Av. shpg. wt., 9 oz.



Stock No.	Type	Ohms	Ma	NET
75 P 673	LM5*	2500	6.3	3.90
75 P 674	LM5*	5000	4.5	4.10
75 P 675	LM5*	10,000	3.2	4.40
75 P 682	LM11†	2500	9.0	5.55
75 P 683	LM11†	5000	6.3	5.75
75 P 684	LM11†	10,000	4.5	6.30

ADVANCE RELAYS

GH GENERAL PURPOSE RELAYS

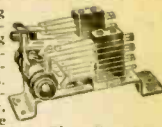
Efficient midjet relays. GH1P Types enclosed in transparent dustproof cover with standard octal plug for IC and 2C; *11-pin plug for 3C. GHA Types have solder terminals. All are 5 amp contacts, non-inductive load. GHA: 1 1/4x1 1/2x1 1/2". GHP: 2 1/2x1 1/2x1 1/2". Av. Shpg. wt., 4 oz.



Stock No.	Mfr's Type	Coil Volts	Action	NET EACH
87 P 914	GHA/1C/24AC	24 AC	SPDT	3.05
87 P 915	GHA/1C/115AC	115 AC	SPDT	3.05
87 P 926	GHA/1C/24DC	24 DC	SPDT	3.05
87 P 956	GHP/1C/24AC	24 AC	SPDT	5.10
87 P 958	GHP/1C/115AC	115 AC	SPDT	5.10
88 P 274	GHP/1C/24DC	24 DC	SPDT	5.15
87 P 918	GHA/2C/24AC	24 AC	DPDT	3.55
87 P 919	GHA/2C/115AC	115 AC	DPDT	3.55
87 P 929	GHA/2C/24DC	24 DC	DPDT	3.35
87 P 959	GHP/2C/24AC	24 AC	DPDT	5.75
87 P 959	GHP/2C/115AC	115 AC	DPDT	5.75
88 P 275	GHP/2C/24DC	24 DC	DPDT	5.65
87 P 922	GHA/3C/24AC	24 AC	3PDT	4.05
87 P 923	GHA/3C/115AC	115 AC	3PDT	4.05
87 P 932	GHA/3C/24DC	24 DC	3PDT	3.75
87 P 957	GHP/3C/24AC*	24 AC	3PDT	7.05
87 P 960	GHP/3C/115AC*	115 AC	3PDT	7.05
88 P 276	GHP/3C/24DC*	24 DC	3PDT	6.95

AP RATCHET IMPULSE RELAYS

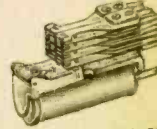
An extremely fast acting relay for applications requiring on-off or reversing action on alternate impulses. Operates on impulses as short as 60 ms. Intermittent duty. Contacts are 3/4" fine silver, rated 5 amps. Coils are wound on molded bobbins. Phenolic cams, hardened steel pawl and ratchet with pin hinged armature. Tinned solder terminals. Mounting: Three 3/8" diameter holes on 3/8x3/4" triangular centers. Size: 2 3/8x2 1/4x3 1/4". AC types for 50-60 cycle. Shpg. wt., 12 oz.



Stock No.	Type	Volts	Action	NET
75 P 997	API1A	6 AC	DPDT	8.70
76 P 581	API1A	12 AC	DPDT	8.70
75 P 995	API1A	24 AC	DPDT	8.70
75 P 999	API1A	115 AC	DPDT	8.70
76 P 583	API1A	230 AC	DPDT	9.15
76 P 585	API1D	6 DC	DPDT	8.70
76 P 999	API1D	24 DC	DPDT	8.70
76 P 589	API1D	110 DC	DPDT	9.35
75 P 996	API7A	24 AC	4PDT	10.50
75 P 994	API7A	115 AC	4PDT	10.50
76 P 588	API7D	12 DC	4PDT	10.50
75 P 778	API7D	24 DC	4PDT	10.50
76 P 590	API7D	110 DC	4PDT	11.15

BS SERIES

Long-coil telephone type relays. Ideal for computer and automatic test equipment. Tinned solder terminals for rear panel mounting. Have 4-amp DPDT twin palladium contacts except *4PDT. BS17L twin palladium plate circuit relays; 15.5 ma, 17.6 ma operating current. Two No. 8-32 tapped holes on 1/4" mtg. centers. Shpg. wt., 11 oz.



Stock No.	Type	Volts	Ohms	EACH
76 P 646	BS17D	24 DC*	1000	7.40
76 P 649	BS17L	†*	10,600	8.00
76 P 648	BS23A	115 AC	71	10.50
76 P 647	BS23D	24 DC	1000	8.95
76 P 312	BS23D	48 DC	1600	9.30
76 P 313	BS23D	110 DC	6500	9.50
76 P 499	BS23L		10,000	9.50

KT ANTENNA-SWITCHING RELAYS

For selecting either of two antennas or for switching single antenna from receiver to transmitter and vice-versa. Designed for RF applications; glass base insulation for minimum loss. Will switch 300-ohm line. All are DPDT. Mtg.: 6-32 stud. Silver 5-amp contacts. Size: 1 1/2x1 1/2x1 1/2". Shpg. wt., 2 oz.



Stock No.	Type	Volts	NET EACH
76 P 373	KT11A	6 AC	3.70
76 P 374	KT11A	115 AC	
76 P 375	KT11D	6 DC	3.70
76 P 376	KT11D	12 DC	

AB APPLIANCE RELAYS

Ideal for appliance applications requiring long-life and quiet operation. DPDT silver contacts rated at 10 amps. Size: 1 1/2x3 1/2x1 1/2". Snap-on and screw terminals provided. Two 8-32 mtg. holes on 1/4" ctrs. *U.L. Approved. 5 oz.



Stock No.	Type	Volts	NET
75 P 399	AB11AV*	6 AC	5.30
75 P 418	AB11AV*	24 AC	5.30
75 P 419	AB11AV*	115 AC	5.30
75 P 448	AB11AV*	230 AC	5.70
76 P 768	AB11D	12 DC	5.20
76 P 769	AB11D	24 DC	5.20
76 P 449	AB11D	110 DC	5.70

ABC MEDIUM-POWER RELAYS

For small motors, industrial controls, etc. Have DPDT silver contacts rated at 10 amps. Snap-on and screw terminals are supplied. Have dust covers. Size above chassis: 1 3/4x2 1/2x2 3/8". Single No. 8-32 mounting stud 1/2" long and locating tab. *U.L. Approved. Av. shpg. wt., 7 oz.



75 P 431	ABC11AV*	6 AC	6.40
75 P 432	ABC11AV*	24 AC	6.40
75 P 433	ABC11AV*	115 AC	6.40
75 P 464	ABC11AV*	230 AC	6.80
76 P 770	ABC11D	6 DC	6.30
76 P 771	ABC11D	12 DC	6.30
76 P 772	ABC11D	24 DC	6.30
75 P 465	ABC11D	110 DC	6.80

MB MINIATURE DC POWER RELAYS

Rugged telephone type relays. Designed for very high current applications. Contact arm in heavy brass with large silver contacts; solder terminals. Rated 60 amps. SPST, double break, normally open. Size: 1 1/4x1 1/2x1 1/2". Mountings: Four No. 3-48 tapped holes on 1/4x3/8" centers. Av. shpg. wt., 5 oz.



75 P 059	MB3D	6 DC	5.40
75 P 065	MB3D	12 DC	5.50
75 P 066	MB3D	24 DC	5.50
75 P 067	MB3D	110 DC	5.90

MS MOTOR-STARTING RELAYS

For capacitor-start, induction-run motors. Adjustable pull-in. All types normally closed. MS2 types rated at 1/4 HP; MS4 at 3HP. *Have double-break contacts. U.L. Approved. 2 1/2x2 1/2x2 3/8". Av. wt., 5 oz.



76 P 763	MS2AY	115 AC	SPST	3.55
76 P 765 <td>MS2AY</td> <td>230 AC</td> <td>SPST</td> <td>3.95</td>	MS2AY	230 AC	SPST	3.95
76 P 764 <td>MS4AY</td> <td>115 AC</td> <td>SPST*</td> <td>4.15</td>	MS4AY	115 AC	SPST*	4.15
76 P 766 <td>MS4AY</td> <td>230 AC</td> <td>SPST*</td> <td>4.55</td>	MS4AY	230 AC	SPST*	4.55

TYPE CB COAXIAL RELAYS

Designed to meet the problems of coaxial cable switching. For use with 52-ohm RG coaxial cables at RF outputs of up to 800 watts on lines with low SWR. For use in mobile, aircraft, and fixed-station installations. SWR is extremely low—less than 1.08:1.00 at 150 mc. Extremely low-loss at very high frequencies up to 300 megacycles. Internal contacts are made of heavy quarter-inch fine silver.



All have SPDT internal contacts directly connected to Amphenol 83-1R connector. In addition, all Types CB/1C/2C have external DPDT contacts for use with auxiliary circuits. All contacts rated for use with auxiliary circuits. All contacts rated at 5 amps. An inspection port in the authorized housing permits access to internal contacts. With two tapped mounting holes: 6-32 on 1 1/4" centers. Size: 1 1/2x3 3/8x3 1/2" for CB1C; 2 1/2x3 3/8x3 1/2" for CB1C/2C. Wt., 11 oz.

Stock No.	Mfr's Type	Volts	Ohms	NET
87 P 902	CB/1C/115A	115 v. AC	280	21.00
87 P 910	CB/1C/2C/115A	115 v. AC	280	24.55
87 P 908	CB/1C/6VD	6 v. DC	18	20.00
87 P 909	CB/1C/12VD	6 v. DC	18	23.60
88 P 305	CB/1C/12VD	12 v. DC	70	20.00
88 P 306	CB/1C/24VD	12 v. DC	70	23.60
88 P 307	CB/1C/24VD	24 v. DC	280	20.00
88 P 309	CB/1C/24VD	24 v. DC	280	23.60

Efficient midjet relays. GH1P Types enclosed in transparent dustproof cover with standard octal plug for IC and 2C; *11-pin plug for 3C. GHA Types have solder terminals. All are 5 amp contacts, non-inductive load. GHA: 1 1/4x1 1/2x1 1/2". GHP: 2 1/2x1 1/2x1 1/2". Av. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Coil Volts	Action	NET EACH
87 P 914	GHA/1C/24AC	24 AC	SPDT	3.05
87 P 915	GHA/1C/115AC	115 AC	SPDT	3.05
87 P 926	GHA/1C/24DC	24 DC	SPDT	3.05
87 P 956	GHP/1C/24AC	24 AC	SPDT	5.10
87 P 958	GHP/1C/115AC	115 AC	SPDT	5.10
88 P 274	GHP/1C/24DC	24 DC	SPDT	5.15
87 P 918	GHA/2C/24AC	24 AC	DPDT	3.55
87 P 919	GHA/2C/115AC	115 AC	DPDT	3.55
87 P 929	GHA/2C/24DC	24 DC	DPDT	3.35
87 P 959	GHP/2C/24AC	24 AC	DPDT	5.75
87 P 959	GHP/2C/115AC	115 AC	DPDT	5.75
88 P 275	GHP/2C/24DC	24 DC	DPDT	5.65
87 P 922	GHA/3C/24AC	24 AC	3PDT	4.05
87 P 923	GHA/3C/115AC	115 AC	3PDT	4.05
87 P 932	GHA/3C/24DC	24 DC	3PDT	3.75
87 P 957	GHP/3C/24AC*	24 AC	3PDT	7.05
87 P 960	GHP/3C/115AC*	115 AC	3PDT	7.05
88 P 276	GHP/3C/24DC*	24 DC	3PDT	6.95

TYPE AM ANTENNA RELAYS

Compact "transmit-recv" antenna relays. For low-power RF use. DPDT silver contacts rated 2 amps at 115 VAC or 6.5 VDC resistive. Mounting stud. Size, 1 1/2x1 1/2x1 1/2". Shpg. wt., 6 oz.



Stock No.	Mfr's Type	Volts	NET
87 P 994	AM/2C/6VA	6 v. AC	4.70
87 P 995	AM/2C/6VD	6 v. DC	4.20
87 P 996	AM/2C/12VD	12 v. DC	4.20
87 P 901	AM/2C/115VA	115 v. AC	5.05

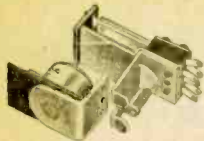
BLONDER-TONGUE THERMO RELAY

Model TR-3A. Replacement relay used in boosters and converters which automatically turn on and off with the TV set. When TV set is turned on, current drawn by the set flows through thermal unit of the relay, heating it, and causing the relay to close—thus supplying power to the booster or converter unit. When TV set is turned off, relay opens, and the converter or booster is turned off. Silver contacts are adjustable for time delays of .1 to 4 seconds. Handle up to 5 amp at 117 volts or 1/2 amp at 200 volts, AC. Provide exceptionally uniform operation over current range of .1 to 3 amps. Size: 1 1/2x1 1/2x1 1/2". Shpg. wt., 1.30 oz.



75 P 000. List, \$2.00. NET, 1.30

Guardian, Dow-Key and Amperite Relays



200



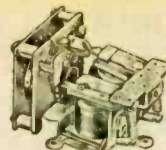
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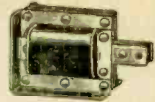
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MER-115



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GUARDIAN RELAYS AND SOLENOIDS

UNIVERSAL "200" SERIES

Universal interchangeable parts for assembling custom relays. Listings include AC, DC, and plate coils, and switch contact assemblies. Complete relay requires one coil and one contact assembly. For additional contacts use the contact switch parts kit. Contact ratings given are at 115 v. 60 cycle AC, non-inductive load. Use two #2 screws for mounting. Overall size: With standard contact assembly 2 3/4 x 1 3/4 x 1/2; midjet contact assembly, 2 1/4 x 1 1/4 x 1/2. Av. shgp. wt. 4 oz.

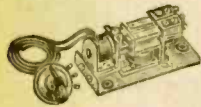
AC Coils			DC Coils		
Stock No.	Volts	NET	Stock No.	Volts	NET
75 P 709	6	1.75	75 P 713	6	1.90
75 P 710	12	1.75	75 P 714	12	1.90
75 P 711	24	1.75	75 P 715	24	1.90
75 P 712	115	2.05	75 P 716	32	1.90
75 P 888	230	2.70	75 P 717	110	2.50

75 P 779. Type 200-5000 D Plate Coil. 5000 ohms. EACH 2.20
 75 P 109. Type 200-10,000 D Plate Coil. 10,000 ohms. EACH 2.50

SERIES 200 SWITCH CONTACT ASSEMBLIES

Stock No.	Type	Description	NET
75 P 707	200-1	SPDT contact assembly. 8 amps.	1.50
75 P 708	200-2	DPDT contact assembly. 8 amps.	2.00
75 P 724	200-4	DPDT contact assembly. 12.5 amps.	2.25
75 P 889	200-5	4PDT contact assembly. 8 amps.	3.50
75 P 718	200-M1	SPDT midjet contact assembly. 10 amps.	1.40
75 P 719	200-M2	DPDT midjet contact assembly. 10 amps.	1.75
75 P 826	200-M3	4PDT midjet contact assembly. 8 amps.	2.85

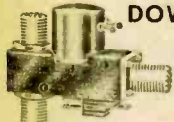
Type 200-M3. Switch parts kit—adds up to 2 poles to 200-M1, 200-M2.
 75 P 725. NET 1.50
 Type 200-3. Switch parts kit—adds up to 2 poles to 200-1, 200-2.
 75 P 730. NET 1.50



3X300-ER OVERLOAD RELAY

Protects against surges or overload. Has remote electrical reset and overload adjustment. Adjustable from 250-750 ma. DC. 3000 v. insulation. Auxiliary contacts for pilot light indicates "overload" or "clear" position. For industrial panel installation for remote protection of machines and relays. Contacts rated 1500 w. non-inductive, 1 kw inductive, at 115 v. 60 cycles. 2000 v. insulation. 4 1/2 x 3 1/2 x 2". 1 1/4 lbs.
 75 P 640. NET 8.85

ALLIED CAN SUPPLY THE COMPLETE GUARDIAN LINE. Only the most widely used Guardian relays are shown on this page. Contact us for prices and other information on any types not listed—you will receive a prompt reply to your inquiry.



DOW-KEY COAX ANTENNA RELAYS

Compact coax antenna relays for switching one antenna between transmitter and receiver, etc. Letter G in type no. indicates shielding that provides 100 db isolation between transmitter and receiver. Pure silver contacts rated to 1 kw. Breakdown v. over 1000 v. rms. Imp. 50 ohms. Loss, less than 0.03 db at 400 mc. VSWR, 1.5:1. Coil terminals have Teflon feed-throughs for high insulation. *Have DPDT 5-amp external contacts. Size, 2 1/2 x 3 3/4 x 1 1/2". Av. shgp. wt., 11 oz.

76 P 114. Type DK60. For 12 v. DC. NET	12.45
76 P 115. Type DK60. For 110 v. AC. NET	12.45
75 P 953. Type DK60-G. For 12 v. DC. NET	13.70
75 P 955. Type DK60-G. For 110 v. AC. NET	13.70
76 P 118. Type DK60-G2C*. For 12 v. DC. NET	15.65
76 P 119. Type DK60-G2C*. For 110 v. AC. NET	15.65

DK60-DPDT Switch. Auxiliary DPDT switch. 5-amp contacts. Mount externally on DK60-G relay above; is actuated by built-in plunger in relay. Shpt. wt., 2 oz.
 75 P 843. NET 1.95

Type DKF-2 Connector. Double male. Mounts relays directly to output of transmitter. Heavy silver plating. For indoor use. Locking type. Shpt. wt., 3 oz.
 75 P 946. NET 1.25

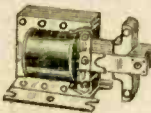
12V DC Coil. Model DK60-M. 12 volt relay coil for converting DK60-G 6 volt DC relay or DK60-G 110 volt AC relays for 12 volt DC use. Ideal for 12 v. automotive systems. Shgp. wt., 3 oz.
 75 P 947. NET 2.90

2200 AND 2210 POWER RELAYS

Heavy-duty power relays for motor starting, heater loads and other heavy-duty uses. Series 2200 are DPDT; Series 2210 are DPST, normally open. All have contacts rated at 25 amps, continuous duty, normally with 75% power factor load. Operating power requirement, 9.5 wa; coil drain, approx. .080 amps at 115 v., 60 cycles. Size: Series 2200, 3 1/2 x 2 1/2 x 2 3/8"; Series 2210, 2 1/2 x 2 1/2 x 2 3/8". Av. shgp. wt., relays, 12 oz.

2200 Relays			2210 Relays		
Volts AC	Stock No.	NET EACH	Volts AC	Stock No.	NET EACH
6	75 P 083	6.10	6	76 P 185	5.25
24	75 P 084	6.10	24	76 P 186	5.25
115	75 P 085	6.10	115	76 P 187	5.25
230	75 P 086	6.50	230	76 P 188	5.60

CS-2200. Switch Parts. Switch assemblies for 2200 relays only. "Left" or "Right" means as viewed at armature end, contacts up. Wt., 4 oz.
 75 P 563. Left Assembly. NET 1.85
 75 P 564. Right Assembly. NET 1.85



16, 18

1A1-18 SERIES INDUSTRIAL SOLENOIDS

Intermittent-duty types for applications not requiring energization for more than 5 minutes with sufficient time between cycles for cooling. Should not be permitted to rest more than 85°C above 24°C ambient without sufficient time to cool. Continuous duty types will not rise more than 85°C above the 24°C ambient temp. when operated at rated load. *Intermittent Type. †Continuous Type.

Stock No.	Type	Volts	Stroke	Lift Oz.	Size	Lbs.	NET
75 P 890	1A1*	115AC	3/8-3/8"	8	1 1/2 x 1 3/4 x 1 1/2"	3/4	2.80
75 P 891	1A1†	115AC	3/8-3/8"	3	1 1/2 x 1 3/4 x 1 1/2"	3/4	2.80
75 P 154	2*	115AC	3/8-1"	27	1 1/2 x 1 3/4 x 1 1/2"	3/4	3.20
75 P 155	2†	115AC	3/8-1"	10	1 1/2 x 1 3/4 x 1 1/2"	3/4	3.20
75 P 892	4*	115AC	3/8-1 1/8"	24	1 3/4 x 2 x 1 1/2"	1	3.80
75 P 893	4†	115AC	3/8-1 1/8"	6	1 3/4 x 2 x 1 1/2"	1	3.80
75 P 828	12*	115AC	3/8-1"	32	1 3/4 x 1 3/4 x 1 1/2"	3/4	4.15
75 P 829	12†	115AC	3/8-1"	22	1 3/4 x 1 3/4 x 1 1/2"	3/4	4.15
75 P 595	11*	6DC	3/8-1"	39	1 1/2 x 1 1/2 x 1 1/2"	3/4	2.70
76 P 318	11†	6DC	3/8-1"	21	1 1/2 x 1 1/2 x 1 1/2"	3/4	2.70
75 P 596	11*	24DC	3/8-1"	39	1 1/2 x 1 1/2 x 1 1/2"	3/4	2.70
76 P 319	11†	24DC	3/8-1"	21	1 1/2 x 1 1/2 x 1 1/2"	3/4	2.70
75 P 894	14*	115AC	3/8-1 1/8"	110	2 1/2 x 2 1/2 x 1 1/2"	1 1/2	5.50
75 P 895	14†	115AC	3/8-1 1/8"	65	2 1/2 x 2 1/2 x 1 1/2"	1 1/2	5.50
75 P 156	11*	115AC	3/8-3/8"	96	1 1/2 x 1 3/4 x 1 1/2"	3/4	3.20
75 P 885	16†	115AC	3/8-3/8"	60	1 1/2 x 1 3/4 x 1 1/2"	3/4	3.20
76 P 220	16†	230AC	3/8-3/8"	60	1 1/2 x 1 3/4 x 1 1/2"	3/4	3.40
75 P 157	18*	115AC	3/8-1"	30	2 1/2 x 2 1/2 x 1 1/2"	1	4.50
75 P 886	18†	115AC	3/8-1"	145	2 1/2 x 2 1/2 x 1 1/2"	1	4.50
76 P 321	18†	230AC	3/8-1"	145	2 1/2 x 2 1/2 x 1 1/2"	1	4.70

MER-115 MIDJET STEPPING RELAY

Electrical-reset stepping relay with 21 active positions; resets from external control or own contacts. Contacts rated 1 amp at 115 v., 60 cycle, non-inductive. Stepping and reset coils 115 v., 60 cycle AC. Minimum set pulse, 50 ms; reset, 10 ms. Recommended for experimental purposes, original equipment, or replacement. 3 1/2 x 2 1/2 x 3 3/4". Wt., 13 oz.
 75 P 282. NET EACH 14.00



AMPERITE DELAY RELAYS

Hermetically sealed in glass envelope with octal base. Heater draws 2 watts. Contacts: SPST, 3 amps at 115 v. AC, 1 amp at 220 v. AC. Voltage Breakdown: Contacts, 1000 v.; Heater to Contact, 1500 v., except† 250 v. and 500 v. for delays of 10 sec. or less. Ambient temperatures from -55° to +70° C. Size, Dia., 1 3/4"; Height less prongs, 2 1/4". Shgp. wt., 4 oz. Be sure to specify type number as well as stock number.

Delay Seconds	Type No. Normally Open			Type No. Normally Closed	
	6.3 v.	26 v.	115 v.	6.3 v.	115 v.
2*	6N02	26N02	115N02	6C2	115C2
3*	6N05	26N05	115N05	6C5	115C5
10*	6N010	26N010	115N010	6C10	115C10
15	6N015	26N015	115N015	6C15	115C15
20	6N020	26N020	115N020	6C20	115C20
30	6N030	26N030	115N030	6C30	115C30
45	6N045	26N045	115N045	6C45	115C45
60	6N060	26N060	115N060	6C60	115C60
75	6N075	26N075	115N075	6C75	115C75
90	6N090	26N090	115N090	6C90	115C90
120	6N0120	26N0120	115N0120	6C120	115C120
150	6N0150	26N0150	115N0150	6C150	115C150
180	6N0180	26N0180	115N0180	6C180	115C180

75 PP 295. NET EACH 2.40

Miniature Relays. All types above also available in miniature size except 115C150, 115C180, 115N0150, 115N0180. 9-pin, 3/4 x 3/4". Shgp. wt., 3 oz. Specify type no., adding letter "T" following type number. Example: 6N02T.

75 PP 296. NET EACH 2.40



SENSITIVE SIGMA RELAYS

Ruggedly Built For Wide Range of Applications

A Type 4F. A wide selection of plate circuit relays for any 20 or 50 mw. sensitivity application. Unenclosed, with screw mounting, solder terminal and coil lead connection. SPDT contacts rated at 2 amps. For smoke detection, burglar alarms, etc. $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ".

Stock No.	Mfr's Type	Ohms	Ma. DC	NET
76 P 126	4F-200-S/SIL	200	10.0	6.05
76 P 377	4F-1000-S/SIL	1000	4.5	6.05
76 P 378	4F-2500-S/SIL	2500	3.0	6.05
76 P 379	4F-5000-S/SIL	5000	2.0	6.35
76 P 285	4F-8000-S/SIL	8000	1.6	6.60
76 P 127	4F-10000-S/SIL	10000	1.4	6.60

B Type 5F. General-purpose DC or AC, with balanced armature construction. SPDT contacts rated at 1 amp. Withstand shock up to 100 G. Units are unenclosed, with screw mounting and solder terminal connection. Size, $1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{2}$ ". Shpg. wt., 5 oz.

76 P 380	5F-1000-S/SIL	1000	2.3	8.25
76 P 381	5F-2500-S/SIL	2500	1.4	8.25
76 P 382	5F-5000-S/SIL	5000	1.0	8.80
76 P 372	5F-8000-S/SIL	8000	0.8	9.65
76 P 383	5F-10000-S/SIL	10,000	0.7	9.65

C Model 8RC01A Photorelay. 5-pin plug-in base. Operates at 5 ft.-candles, or less. SPDT contacts rated at 5 amps. $2\frac{1}{4} \times 1\frac{1}{2}$ ". For 120 v., 50-60 cycle AC. 5 oz. NET 15.00

D Type 11F. Small, low-cost DC relay. 50 and 200 mw. sensitivity; SPDT contacts rated 1 amp. $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., 3 oz.

Stock No.	Type	Ohms	DC Ma.	NET
79 P 658	11F-250-G/SIL	250	14.0	1.75
79 P 659	11F-500-G/SIL	550	9.5	1.75
79 P 668	11F-1000-G/SIL	1000	7.0	1.75
75 P 069	11F-2300-G/SIL	2300	4.6	1.75
75 P 070	11F-6000-G/SIL	6000	2.9	1.95
75 P 075	11F-9000-G/SIL	9000	2.4	2.15

D Type 11FZ. Small AC relays for positive on-off operation. SPDT contacts rated 1 amp at 28 VDC/120 V. AC. $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ".

Stock No.	Mfr's Type	Coll. Volts	Op'n. Voltage	NET EACH
76 P 547	11FZ-25-ACS/SIL	6	4.8	2.50
76 P 488	11FZ-100-ACS/SIL	12	9.0	2.50
76 P 549	11FZ-550-ACS/SIL	24	18	2.50
76 P 568	11FZ-9000-ACS/SIL	120	75	2.95

E Series 22. Miniature hermetically sealed relay. Silver contacts rated 2 amps for 28-V. DC or 120 V. AC resistive load. SPDT contacts at 12 to 40 mw sensitivity, except DPDT at 20 to 80 mw. $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Ohms	Ma. DC	NET
76 P 384	22RJC-1000-G/SIL	1000	4.5	13.00
76 P 385	22RJC-2500-G/SIL	2500	2.8	13.50
76 P 386	22RJC-5000-G/SIL	5000	2.0	14.00
76 P 387	22RJC-8000-G/SIL	8000	1.6	14.50
76 P 388	22RJC-1000-G/SIL*	1000	6.3	14.50
76 P 389	22RJC-2500-G/SIL*	2500	4.0	15.00
76 P 390	22RJC-5000-G/SIL*	5000	2.8	15.50
76 P 391	22RJC-8000-G/SIL*	8000	2.3	16.00

F Series 41. SPDT contacts rated: *2; 0.5 amps. Sensitivity, 32 to 200 mw, DC; 0.6 to 0.4 VA, AC. $2\frac{1}{4} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". 3 oz.

Stock No.	Mfr's Type	Volts AC Ohms DC	Ma. DC	NET
75 P 076	41FZ-10-ACG/SIL	6 v. ↑	...	3.50
76 P 392	41FZ-35-ACS/SIL	6 v. ↑	...	4.00
75 P 077	41FZ-200-ACG/SIL	24 v. ↑	...	3.50
76 P 393	41FZ-500-ACS/SIL	115 v. ↑	...	4.00
75 P 078	41FZ-5000-ACG/SIL	24 v. ↑	...	3.65
76 P 394	41FZ-10000-ACS/SIL	115 v. ↑	...	4.45
76 P 395	41F-5-S/SIL	5 ohms	90	3.65
76 P 396	41F-50-S/SIL	50 ohms	30	3.85
76 P 397	41F-200-S/SIL	200 ohms	15	3.85
76 P 398	41F-1000-S/SIL	1K ohms	6.5	3.85
76 P 399	41F-5000-S/SIL	5K ohms	3.0	4.00
76 P 400	41F-10000-S/SIL	10K ohms	2.0	4.25

G Series 42. DPDT relay with octal plug-in base and dust cover. Operating power is from 100 to 200 mw on DC and 0.30 to 0.50, 60 cycle AC. Silver contacts rated 1 to 5 amps at 28 V DC or 120 V. AC for 100,000 operations. Z AC units are designed for 60 cycle operation. Z in Type No. indicates for AC. Withstand shock up to 100 G. Pin connections are on cover. $2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., 4 oz.

Stock No.	Mfr's Type	V/Ohms	Ma.	NET
76 P 401	42R0Z-8-ACG/SIL	6 VAC	...	6.20
76 P 914	42R0Z-25-ACS/SIL	6 VAC	...	7.15
76 P 403	42R0Z-200-ACG/SIL	24 VAC	...	6.20
76 P 908	42R0Z-340-ACS/SIL	24 VAC	...	7.15
76 P 404	42R0Z-4000-ACG/SIL	120 VAC	...	6.20
76 P 907	42R0Z-7000-ACS/SIL	120 VAC	...	7.35
76 P 406	42R0-5-G/SIL	5 ohms	200	6.20
76 P 407	42R0-50-G/SIL	50 ohms	65	6.20
76 P 408	42R0-200-G/SIL	200 ohms	32	6.20
76 P 409	42R0-1000-G/SIL	1K ohms	14	6.20
76 P 410	42R0-5000-G/SIL	5K ohms	6.5	6.40
76 P 411	42R0-10000-G/SIL	10K ohms	4.5	6.60

H Series 72. Sensitive, magnetic latching relays for high speed switching, plus repeating, telegraphy up to 500 pulses per second, designed to withstand tremendous shocks. SPDT contacts rated 0.06 amp. Require 50 VDC and 15 ma. Have octal plug in base and removable dust cover. Trip Ma in table for either coil, either polarity. Size, $1\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt., 5 oz.

Stock No.	Mfr's Type	Trip Ma.	NET EACH
76 P 912	72AOZ-160T-S/TCP	1.4	33.00
76 P 913	72AOZ-160TG/TCP	3.6	33.00

J 26F-8000-CD/5/PAL Relay. General-purpose unit similar to 5F series (above, left) but higher efficiency ratings. Has SPDT contacts, rated 0.5 amp at 28 volts DC or 120 volts AC, 8000 ohm coil. Operating current, 0.7 ma. Shpg. wt., 7 oz. NET 9.75

IT & T CONTACT PROTECTORS

Effective protection for relay contacts controlling inductive circuits. Suppress arcing and RF transients. For loads operating up to 40 times per second, and drawing up to 600 ma operating current. Av. shpg. wt., 6 oz.

Stock No.	Type	Max. V.	Max. Ma.	Mln. V.	Size	NET
76 P 257	8A1PS1	26 AC	200	0 AC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	.89
76 P 258	8A2PS1	44 DC	250	23 DC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	.90
76 P 323	8A2PS2	52 AC	200	27 AC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	1.07
76 P 258	8A3PS1	66 DC	250	45 DC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	1.07
76 P 296	8A4PS1	88 DC	250	67 DC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	1.08
76 P 297	8A5PS1	110 DC	250	89 DC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	1.24
76 P 326	8A5PS5	130 AC	200	105 AC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	1.40
76 P 298	8A6PS1	132 DC	250	111 DC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	1.25
76 P 299	8A7PS1	154 DC	250	133 DC	$2\frac{1}{2} \times 3\frac{1}{2}$ "	1.26
76 P 330	15A2PS1	44 DC	600	23 DC	$1\frac{1}{2} \times 3\frac{1}{2}$ "	1.24
76 P 348	15A3PS1	66 DC	600	45 DC	$1\frac{1}{2} \times 3\frac{1}{2}$ "	1.14
76 P 356	15A5PS1	110 DC	600	89 DC	$1\frac{1}{2} \times 3\frac{1}{2}$ "	1.36
76 P 327	15A5PS5	130 AC	400	105 AC	$1\frac{1}{2} \times 3\frac{1}{2}$ "	1.56
76 P 364	15A6PS1	132 DC	500	111 DC	$1\frac{1}{2} \times 3\frac{1}{2}$ "	1.37

HURST SYNCHRONOUS MOTORS

New CA Series—100 Inch-Ounce Reversible. For continuous timing applications in alarm systems, displays, process controls, etc. Instantly reversible with SPDT switching; maintain accuracy both clockwise and counter-clockwise. Torque: 100 inch-ounce at 1 rpm. Case, $2\frac{1}{2}$ " dia. x $2\frac{1}{2}$ ". Shaft, $\frac{3}{16}$ " dia., 1" long flattened. Power drain: 5 watts. For 95-130 v., 60 cycle AC. Shpg. wt., 18 oz. SM Series—40-Inch-Ounce Unidirectional. Shaded pole, clockwise rotation. Instant start at full torque of 40 inch-ounce at 1 rpm. Power drain: 7 watts. Case, $2\frac{1}{2}$ " dia. x $1\frac{1}{4}$ ". Shaft, $\frac{3}{16}$ " dia. by 1" long. For 95-130 v., 60 cycle AC. Shpg. wt., 1 lb.

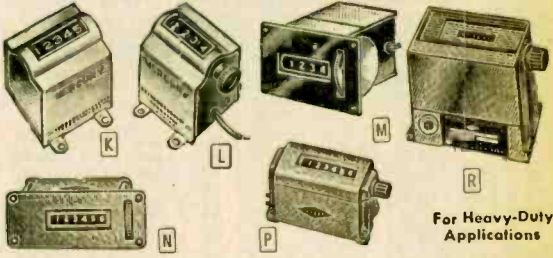


OUTPUT SPEEDS IN RPM

$\frac{1}{2}$ "	$2\frac{1}{2}$ "	8	20	$33\frac{1}{3}$	64	160	800
$\frac{1}{2}$ "*	3"	10*	24	40	80	200	1000
1"	4"	12	25	48	100	240	...
$1\frac{1}{2}$ "	5"	15*	30*	50	120	400	...
2"	6"	16	32	60*	150	600	...

77 PF 154, CA Series. All speeds in table above available—Specify Speed. EACH 9.25
77 PP 152, SM Series. Available only in speeds indicated by * asterisk in table above—Specify Speed. EACH 9.08

GENERAL CONTROLS CO. COUNTERS



High-quality electric counters for commercial and industrial applications. For 60-cycle operation.

Prefix CE-40. Small counters for coin-operated devices and light to moderate-duty industrial applications. Minimum make time 0.04 sec., break time 0.06 sec. Rated at 600 CPM. Enclosed in tamper-proof case. Reset units count to 4 digits, non-reset to 5. Shpg. wt., 1 lb.

Prefix CE-600. Small counters for general industrial purposes. Have minimum make and break time of 0.030 sec. Enclosed in dust-resistant housing. Rated at 1000 CPM, 50-million count life. Have continuous-duty coils. 6 digits. Shpg. wt., 1 lb.

Prefix CE-800. Heavy-duty counter. For use on drill and punch presses, etc. Min. make and break duration, 0.03 sec. 1000 CPM. Tamper-proof aluminum case. 6 digits. Continuous duty coils. Wt., 5 lbs.

RESET TYPES

No.	Type	Fig.	V. AC	Size	Mount	Mtg. Ctrs.	NET
77 P 099	CE-40BS401	M	24	$1\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ "	Panel	$1\frac{1}{2} \times 2\frac{1}{2}$ "	15.95
77 P 049	CE-40BS402	M	120	$1\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ "	Panel	$1\frac{1}{2} \times 2\frac{1}{2}$ "	15.95
77 P 043	CE-40AS402	L	120	$2\frac{3}{4} \times 1\frac{1}{2} \times 2\frac{1}{2}$ "	Base	$1\frac{1}{2} \times 1\frac{1}{2}$ "	15.25
77 P 236	CE-60AS601	P	24	$2\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ "	Base	$3\frac{1}{2} \times 1\frac{1}{2}$ "	21.40
77 P 237	CE-600AS602	P	120	$2\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ "	Base	$3\frac{1}{2} \times 1\frac{1}{2}$ "	21.40
77 P 238	CE-600BS601	N	120	$2\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ "	Panel	$4\frac{1}{2} \times 1\frac{1}{2}$ "	22.90
77 P 239	CE-600BS602	N	120	$2\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ "	Panel	$4\frac{1}{2} \times 1\frac{1}{2}$ "	22.90
77 P 298	CE-800CS602	R	120	$4\frac{1}{2} \times 3\frac{1}{2} \times 5\frac{1}{2}$ "	Base	$5\frac{1}{2} \times 2\frac{1}{2}$ "	43.00

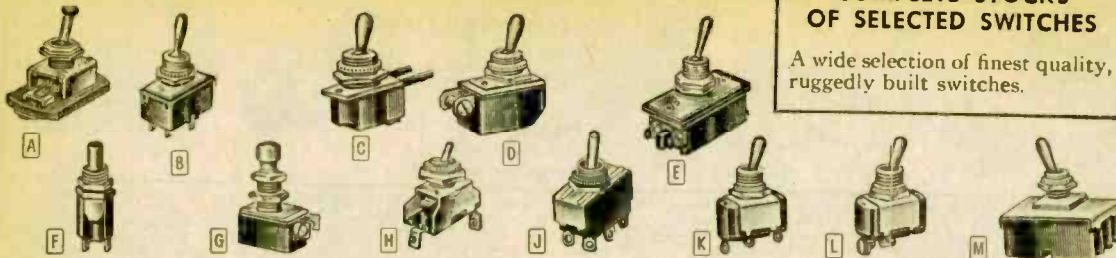
NON-RESET TYPES

77 P 033	CE-40AN502	K	120	$2\frac{3}{4} \times 1\frac{1}{2} \times 2\frac{1}{2}$ "	Base	$1\frac{1}{2} \times 1\frac{1}{2}$ "	5.15
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Cutler-Hammer and Eagle Switches

COMPLETE STOCKS OF SELECTED SWITCHES

A wide selection of finest quality, ruggedly built switches.



AC-DC TOGGLE SWITCHES

LIGHT-DUTY TYPE

Light-duty toggle switches featuring exceptionally small size and unusually high ratings. Ideal for small motor loads, radios and many other similar applications. Quick make and break contacts are suitable for AC or DC use. Units are designed for convenient one-hole mounting on panels, housings and other flat surfaces of machines and appliances.

Contacts are totally enclosed in an insulating black bakelite case. All have $\frac{1}{8}$ " diameter threaded stem. Solder lug terminals except *indicates $\frac{1}{4}$ " wire leads; †screw terminals. 7140-K6 is center-off type; rated 10 amps at 24 volts; DC. All are U.L. Approved. Av. wgt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Amperes		Stem Length	NET EACH	
				125 V	250 V		1-9	10-Up
34 B 522	7140-K6	A	SPDT	3	3	$1\frac{1}{2}$ "	.45	.37
34 B 527	8280-K14	C	SPST	3	3	$1\frac{1}{2}$ "	.52	.43
34 B 749	8280-K15	C	SPST	3	3	$1\frac{1}{2}$ "	.52	.43
34 B 500	8280-K16	C	SPST	3	3	$1\frac{1}{2}$ "	.52	.43
34 B 528	8282-K12	C	SPDT	3	3	$1\frac{1}{2}$ "	.66	.55
34 B 501	8282-K14	C	SPDT	3	1	$1\frac{1}{2}$ "	.66	.55
34 B 783	8290-K15*	C	SPST	3	3	$1\frac{1}{2}$ "	.64	.52
34 B 784	8290-K16*	C	SPST	3	3	$1\frac{1}{2}$ "	.64	.52
34 B 785	8295-K7†	D	SPST	3	3	$1\frac{1}{2}$ "	.64	.52
34 B 786	8295-K8†	D	SPST	3	3	$1\frac{1}{2}$ "	.64	.52
34 B 529	8360-K6	B	DPST	3	3	$1\frac{1}{2}$ "	.95	.79
34 B 502	8360-K7	B	DPST	3	3	$1\frac{1}{2}$ "	.95	.79
34 B 530	8363-K6	B	DPDT	3	3	$1\frac{1}{2}$ "	1.09	.91
34 B 503	8363-K7	B	DPDT	3	3	$1\frac{1}{2}$ "	1.09	.91
34 B 792	8370-K7	B	DPST	6	3	$1\frac{1}{2}$ "	1.02	.85
34 B 632	8373-K7	B	DPDT	6	3	$1\frac{1}{2}$ "	1.18	.97
34 B 794	8373-K8	B	DPDT	6	3	$1\frac{1}{2}$ "	1.18	.97
34 B 795	8375-K7†	D	DPDT	6	3	$1\frac{1}{2}$ "	1.50	1.24
34 B 787	8360-K7	D	SPST	6	3	$1\frac{1}{2}$ "	.60	.50
34 B 508	8381-K8	D	SPST	6	3	$1\frac{1}{2}$ "	.60	.50
34 B 788	8391-K7*	C	SPST	6	3	$1\frac{1}{2}$ "	.72	.59
34 B 789	8391-K8*	C	SPST	6	3	$1\frac{1}{2}$ "	.72	.59
34 B 791	8396-K8†	D	SPST	6	3	$1\frac{1}{2}$ "	.72	.59

STANDARD AND HEAVY-DUTY TYPES

For control of moderate horsepower motors on many small appliances and other similar applications. Incorporate C-H snuffer-type contact mechanism which is designed to minimize pitting caused by arcing on stalled rotor currents or by heavy overloads. Rugged bakelite base completely encloses the mechanism and terminals are separated by an insulating barrier. Have $\frac{1}{2}$ " threaded stem. All switches are U.L. Approved except 8825-K5 (Fig. J) which is JAN S-23, series ST52; also rated 20 amps at 24 v. DC. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Amperes		Stem Length	NET EACH	
			125 V	250 V		1-9	10-Up
34 B 545	7320-K3	DPST	12	6	$1\frac{1}{2}$ "	1.01	.83
34 B 408	7321-K2	SPST	12	6	$1\frac{1}{2}$ "	1.01	.83
34 B 720	7321-K3	SPST	12	6	$1\frac{1}{2}$ "	1.01	.83
34 B 718	8360-K7	DPST	12	10	$1\frac{1}{2}$ "	1.74	1.44
34 B 516	7360-K8	DPST	15	10	$1\frac{1}{2}$ "	1.74	1.44
34 B 714	7361-K5	SPST	15	10	$1\frac{1}{2}$ "	1.74	1.44
34 B 719	7402-K3	DPST	$1\frac{1}{2}$ hp	20	$1\frac{1}{2}$ "	2.47	2.04
34 B 517	7402-K4	DPST	$1\frac{1}{2}$ hp	20	$1\frac{1}{2}$ "	2.47	2.04
34 B 717	8680-K1	DPDT	10	5	$1\frac{1}{2}$ "	3.17	2.62
34 B 715	8690-K2	DPDT	15	10	$1\frac{1}{2}$ "	3.86	3.18
34 B 555	8825-K5	DPDT	20	10	$1\frac{1}{2}$ "	1.27	1.05

PUSH-BUTTON AC-DC TYPE

For controlling current by opening or closing of a door; i.e., turn lights on and off in refrigerators, telephone booths, closets, etc. Momentary contact type. Have solder lugs except *screw type. Normally-open type is "on" with door closed; normally-closed type is "on" with door open. Have $\frac{1}{2}$ " stem, black button, except those $\frac{1}{4}$ " stem. U.L. Approved. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Amperes		NET EACH	
			125 V	250 V	1-9	10-Up
34 B 691	7196-K1*†	SPST-N.O.	6	3	1.07	.88
34 B 519	7208-K4†	SPST	6	3	.81	.68
34 B 548	8411-K4	SPST-N.O.	.75	.25	.36	.32
34 B 631	8411-K6†	SPST-N.O.	.75	.25	.36	.32
34 B 547	8411-K8	SPST-N.C.	.75	.25	.25	.21
34 B 549	8440-K2	SPST-N.O.	3	1	.73	.61

SPST MIDGET TYPE

Type 8098-K3. Midget switch. Recommended for control of AC fractional HP motors and electronic equipment. 3 amps at 125 volts AC. 0.75 amps at 125 volts DC, and 6 amps at 24 volts DC. Screw terminals. Threaded stem diameter, $\frac{1}{16}$ " stem length, $\frac{1}{2}$ ". Bat handle length, $\frac{3}{8}$ " from end of threaded stem. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Action	Size	NET EACH
34 B 510	1-9	EACH		.41
10-Up, EACH				.35

AC TOGGLE SWITCHES

LIGHT-DUTY TYPE (6A/125V-3A/250V)

Slow make and break AC switches. Simple contact structure design for long, dependable life. All are rated 6 amperes at 125 volts and 3 amperes at 250 volts. Fig. J indicates center-off positions. All have threaded stem diameter of $\frac{1}{8}$ "; stem length, $\frac{1}{2}$ ". All switches are U.L. Approved. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	Term.	NET EACH	
				1-9	10-Up
34 B 640	7580-K4	SPST	Screw	.52	.43
34 B 641	7580-K6	SPST	Solder	.45	.38
34 B 642	7581-K4†	SPDT	Screw	.60	.50
34 B 643	7581-K6†	SPDT	Solder	.49	.41
34 B 644	7582-K4	SPDT	Screw	.60	.50
34 B 645	7582-K6	SPDT	Solder	.49	.41
34 B 646	7590-K4	DPST	Screw	.81	.67
34 B 647	7590-K6	DPST	Solder	.66	.55
34 B 648	7591-K4†	DPDT	Screw	.96	.79
34 B 649	7591-K6†	DPDT	Solder	.73	.61
34 B 689	7592-K4	DPDT	Screw	.96	.79
34 B 690	7592-K6	DPDT	Solder	.73	.61

STANDARD-DUTY TYPE (15A/125V-10A/250V)

Small, ruggedly built switches intended primarily for AC use. Provide long, dependable service. Reduction in arcing permits use of the slow make, slow break mechanism. All have $\frac{1}{2}$ " diameter threaded stem, $\frac{1}{2}$ " long, except $\frac{1}{4}$ " long. †Indicates center-off. All have nominal rating of 10 amperes at 250 volts AC and 15 amperes at 125 volts AC. All are U.L. Approved. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Term.	NET EACH	
					1-9	10-Up
35 B 932	7500-K13*	L	SPST	Screw	.60	.50
34 B 591	7500-K14	L	SPST	Screw	.60	.50
35 B 933	7501-K12*	L	SPST	Solder	.52	.43
34 B 534	7501-K13	L	SPST	Solder	.52	.43
34 B 592	7502-K13†	K	SPDT	Screw	.72	.59
34 B 796	7503-K13†	K	SPDT	Solder	.60	.50
34 B 593	7504-K4	K	SPDT	Screw	.72	.59
34 B 536	7505-K4	K	SPDT	Solder	.60	.50
34 B 594	7500-K5	J	DPST	Screw	.96	.79
34 B 537	7561-K4	J	DPST	Solder	.81	.67
35 B 934	7501-K5*	J	DPST	Solder	.80	.67
34 B 596	7562-K4†	J	DPDT	Screw	1.19	.98
34 B 539	7563-K4†	J	DPDT	Solder	.96	.79
34 B 599	7564-K6	J	DPDT	Screw	1.19	.98
34 B 538	7565-K5	J	DPDT	Solder	.96	.79
34 B 597	7610-K2	M	3PST	Screw	1.93	1.60
34 B 543	7611-K2	M	3PST	Solder	1.66	1.37
34 B 598	7612-K2†	M	3PDT	Screw	2.45	2.03
34 B 523	7613-K2†	M	3PDT	Solder	2.04	1.69
34 B 799	7614-K2	M	3PDT	Screw	2.45	2.03
34 B 798	7615-K2	M	3PDT	Solder	2.04	1.69



ON-OFF PLATE

Type 827-228F3. Switch plate for "On-Off" indication of toggle switches. Designed to fit slot in threaded stem. Secured in position by mounting nut of switch. Mounts vertically. Shpg. wt., per pkg., 2 oz.

34 B 504. Per Pkg. of 2 .08

EAGLE FLUSH-MOUNT PUSHBUTTON SWITCH

Type 188. Momentary contact, 6-leaf spider secures switch in $\frac{1}{2}$ " hole. Ideal for signaling bells, lights, and similar uses. $\frac{1}{2}$ " shank depth. Screw terminals. Contacts are SPST, normally open. Pearl button. Shpg. wt., 3 oz.

55 B 196. 10-Up, EACH,21 1-9, EACH,34

EAGLE KNIFE SWITCHES

Rugged, low-cost knife switches for heavy duty applications in power circuits. For motors, transmitters, mixing machines, or stage lighting. Provide smooth, easy action. All units rated 25 amps, 125 v. AC; with screw terminals and bakelite base except Type 617, porcelain. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Action	Size	NET EACH	
				1-9	10-Up
34 B 884	612	SPST	$1\frac{1}{2} \times 1"$	.19	.17
34 B 886	613	SPDT	$2\frac{1}{2} \times 1"$	.22	.20
34 B 887	614	DPST	$1\frac{1}{2} \times 1\frac{1}{2}"$	.52	.29
34 B 888	615	DPDT	$2\frac{1}{2} \times 1\frac{1}{2}"$	.36	.33
34 B 889	617	SPST	$3\frac{1}{2} \times 1\frac{1}{2}"$	.24	.21

GRAYHILL MINIATURE SWITCHES

A Series 5000 Miniature Tap Switches. Single-pole switches; 2 to 9 positions with built-in stops or 10 position continuous rotation. Flatted shaft for knob. Fully enclosed, designed for minimum panel space. Non-shorting or shorting type. Silver-plated brass contacts. Break 1 amp, 15 VAC, resistive, or carry 5 amps. 3/8"-32 bushing. 1.01" O.D. Shaft extends .312". Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Taps	NET EACH
35 B 923	5-001-2	2	1.30
35 B 924	5-001-3	3	1.35
35 B 925	5-001-4	4	1.40
35 B 926	5-001-5	5	1.45
35 B 927	5-001-6	6	1.50
35 B 928	5-001-7	7	1.55
35 B 929	5-001-8	8	1.60
35 B 930	5-001-9	9	1.65
35 B 931	5-001-10	10	1.70

LOCKWASHERS. Cadmium-plated brass, with non-turning tab; cadmium-plated lockwasher with internal teeth—for Series 5000 switches above. Shpg. wt., 1 oz.
34 B 723. Non-Turn Washer. EACH .05
34 B 724. Internal Tooth Lockwasher. EACH .05

B Type 40-1 Lighted Pushbutton Switch. Momentary contact. SPST, normally open Rated 1 ampere, 115 v. AC. 1-8/10" long. 25/64" mtg. hole. Solder terminals. Shpg. wt., 2 oz.
36 B 031. EACH 2.00

C Type 30-1 Subminiature Pushbutton Switch. SPST, N.O. 1 amp, 115 v. AC. 63/64"x3/8" dia. Solder term., red button. 2 oz. **.95**
34 B 966. EACH
34 B 967. 30-2. As above, normally closed, black button. EACH. **.95**

D Type 39-1 Ultra-Miniature Switch. N.O. SPST. 1/2 amp, 115 v. AC. 1/8" dia. x19/32" long. Solder term., red button. 2 oz. **1.00**
34 B 968. EACH

E Type 36-1 DPST Switch. N.O. 1/2 amp, 115 v., AC. 1-17/64" long x 51/64" dia. Solder term., red button. 2 oz. **1.20**
34 B 964. EACH

OHMITE POWER-TAP SWITCHES

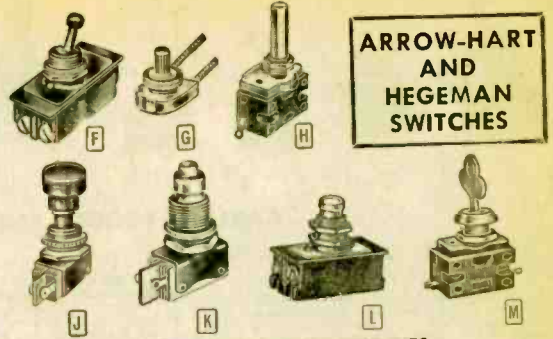
Rugged power tap switches for a wide variety of high-current applications. Single pole with up to 12 taps or positions. Non-shorting type with 1/4" shafts, large silver contacts, ceramic body. Model 111 rated 10 amps at 150 VAC; diameter is 1 3/4". Model 212 rated 15 amps at 150 VAC; diameter is 2 1/4". #1 two-in-tandem types, rated same as single units. U.L. Approved. Shpg. wt., 111, 5 oz.; 212, 10 oz.

MODEL 111				MODEL 212			
Stock No.	Taps	Rotation	NET EACH	Stock No.	Taps	Rotation	NET EACH
34 B 226	2	30°	3.70	34 B 238	3	60°	7.42
34 B 227	3	60°	3.82	34 B 239	4	90°	7.60
34 B 228	4	90°	3.94	34 B 242	4*	90°	18.50
34 B 229	5	120°	4.06	34 B 240	5	120°	7.78
34 B 230	5*	120°	11.42	34 B 241	6	150°	7.96
34 B 231	6	150°	4.18	34 B 321	6*	150°	19.22
34 B 232	7	180°	4.30	34 B 242	7	180°	8.14
34 B 232	8	210°	4.42	34 B 243	8	210°	8.32
34 B 233	9	240°	4.54	34 B 244	9	240°	8.50
34 B 234	10	270°	4.66	34 B 245	10	270°	8.68
34 B 235	11	300°	4.78	34 B 247	12	330°	9.04
34 B 293	11*	300°	12.86				

ECONOMY SLIDE SWITCHES

A selection of low-cost AC-DC slide switches. Ideal for general use in transmitters, receivers, instruments, and other electronic equipment. All have cadmium-plated steel housing, except nickel-finished. Type S-110-S is a heavy-duty switch, rated 3 amps at 250 volts and 6 amps at 125 volts, AC or DC. Type S-316 is rated 1 amp at 250 volts and 3 amps at 125 volts. AC or DC. Type 81574 is a midsize slide switch with black phenolic lever, requires only 7/8"x1 1/2" cutout for installation. All types other than S-110-S have hot-tinned solder lug terminals; Type S-110-S has screw terminals. Sizes: all are 3/8"x1 1/2", except Types S-110-S and S-316, which are 1 1/4"x 3/8", and Type 81574, which is 1 1/4"x 1/2". U.L. Approved except. Av. shpg. wt., 3 oz.

Stock No.	Mfr.	Mfr's Type	Action	A. 125V.	1-9	10-99
34 B 492	Continental-Wirt	G725	DPST	0.5	.17	.15
36 B 148	Continental-Wirt	G726	DPDT	0.5	.20	.18
35 B 937	Carling	S600†	DPST	0.75	.19	.16
33 B 853	A-H&H	81574*	SPST	3.0	.24	.20
35 B 920	Continental-Wirt	G325	DPST	3.0	.22	.20
34 B 164	Carling	S-316	DPDT	3.0	.70	.63
35 B 921	Continental-Wirt	G-326	DPDT	3.0	.22	.20
35 B 922	Continental-Wirt	G-369	3PDT	3.0	.46	.41
34 B 422	Carling	S60A	SPST	4.0	.10	.09
34 B 423	Carling	S60B	SPDT	4.0	.11	.10
34 B 148	Carling	S-110S	SPST	6.0	.49	.44



ARROW-HART AND HEGEMAN SWITCHES

F Compact, toggle-operated power switches for motors and appliances. Quick make and break with wiping blade action. Type 80600 rated 1 HP, 250 volts. U.L. Approved. Bakelite case. Screw terminals. Shank, 1 1/2" dia. 3/8" long. With mtg. nuts. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Action	Amps		NET EACH	
			125V	250V	1-9	10-Up
34 B 136	80600	DPST	16	8	1.01	.83
34 B 135	80607	SPST	12	6		
34 B 137	80618	SPDT	12	6		

POWER-TYPE TOGGLE SWITCHES

ROTARY SWITCHES

Maintained contact, rotary switches for replacement or new equipment use in lamps, appliances, etc. Type 41047 is a direct replacement for many wall-type and desk-type lamps. It is equipped with 67 wire leads, has a brass finished metal handle, and a 3/8" diameter shank 3/8" long. Types 81715-G and 81727-G are ideal for medium current AC-DC appliances. They are equipped with solder lug terminals, a molded phenolic base, an 1/8" diameter shank 3/8" long, and a 1/4" spiggle projection 7/8" long. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Action	Amperes		NET EACH	
				125 V	250 V	1-9	10-Up
34 B 165	41047	G	SPST	3	1	.45	.41
34 B 141	81715-G	H	SPST	6	3	1.27	1.06
34 B 144	81727-G	H	DPDT	6	3	1.86	1.54

FUSH-BUTTON SWITCHES

All are momentary contact, except push-on-push-off types. *Indicates normally open. AC-DC, except 80630. All have 1 1/2" diameter shanks; 3/8" long, except Type 80630, 7/8" long. All have solder lug terminals except 80630 which has screw type terminals. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	F.g.	Action	Button Color	Amps		NET EACH	
					125 V	250 V	1-9	10-Up
34 B 159	3391-GL	J	SPST*	Black	1	125	.74	.61
34 B 159	3392	K	SP2	Black	1	125	.73	.60
34 B 124	3392-AE	J	SP2	Red	1	125	.90	.75
34 B 129	3392-AE	J	SP2*	Black	3	250	1.02	.84
34 B 118	3592	J	SPST*	...	16	125	1.49	1.23
34 B 152	80630	L	DPST*	...	3	250	1.94	.78
34 B 160	86710	K	SPST†	...	3	250	1.12	.92
34 B 161	86710-C	J	SPST†	Red	3	250	1.12	.92
34 B 162	86710-C	J	SPST†	Black	3	250	1.12	.92

LOCK SWITCHES

M Type 81715-L. Lock switch with key, for use on power tools, appliances, etc. SPST contacts, rated 3 amperes at 250 volts; 6 amperes at 125 volts. Sleeve diameter, 1 1/2". Fits panels to 1/2" thick. Size 1 3/4"x2 1/2". Switch must be open to remove key. Wt., 2 oz. **1.63**

34 B 156. 10-Up, EACH 1.34 1-9, EACH **.16**
 Extra Key for above. Shpg. wt., 2 oz.
34 B 128. NET .16

M Type 81715-LE. Same as 81715-L switch above, but key removable in open or closed position. **1.34** 1-9, EACH **1.63**
34 B 158. 10-Up, EACH 1.34 1-9, EACH **1.63**

SPST SLIDE SWITCH

59 Type 81569 Slide Switch. SPST indicating switch designed for use in instrument, control panel, and appliance applications. Screw-type terminals. Requires 1 1/2"x3/4" cutout for mounting. Ratings: 3 amps at 250 volts; 6 amps at 125 volts. Switch plate is 2 1/2"x3/4". Phenolic base and lever. U.L. Approved. Shpg. wt., 2 oz.
34 B 153. 1-9, NET EACH .79
10-Up, EACH .96

ON-OFF SWITCH PLATES

N For Toggle or Rotary Switches. 1 1/2" dia. polished aluminum plate. Has 1/2" hole. Etched on black background. Shpg. wt., 2 oz. **.39**
34 B 151. 1-19, NET EACH .39
20-Up, EACH .34

P For Toggle Switches. Nickel-plated "On-Off" switch plate. Has 1/2" diameter hole. Shpg. wt., 4 oz. **.59**
34 B 145. Package of 25, NET PER PKG. .08
33 B 857. Package of 2, NET PER PKG. .08

R Type 20590-1. For Toggle Switches. Nickel-plated brass stamping. Keyed to fit switch shank. Reads "On-Off." For 1/2" diameter shank. 2 per package. Shpg. wt. per pkg. of 2, 2 oz. **.08**
34 B 157. Package of 2, NET PER PKG. .08

UNIVERSAL AND INTERCOM SWITCHES

High-quality rotary action switches. Have laminated phenolic sections $\frac{1}{4}$ " thick. Voltage breakdown is 1000 volts rms to ground. Rating: 2.75 amp at 15 v. DC; 230 ma at 115 v. AC. Metal is cadmium-plated. All are 30° indexing except 1443 and 1445 which are 15°. Shafts, 2 1/4" long, 1/4" dia. full round. Bushing, 3/8"-32 thread in 3rd. All are panel. 1 1/2" behind panel. *Positive in 2 pos., spring return in 3rd. All are non-shorting except 1. Av. shpg. wt., 4 oz.



Stock No.	Type	Description	1-4, EA.	5-9, EA.
34 B 085	1450†	4PDT	1.26	1.05
34 B 087	1451†	4PDT, spring-return	1.44	1.20
34 B 071	1448*	6P, 3 pos., spring-return	1.98	1.65
34 B 072	1449*†	6P, 3 pos.	1.98	1.65

INTERCOM AND RADIO SWITCHES

Rotary switches for use in radio-phonos, P.A. channel selectors, meter switching, intercom talk-listen and speaker switching. Silver-plated spring brass clips; cadmium-plated metal parts. Rated 2.75 amps at 15 v. DC; 230 ma @ 115 VAC. Shaft, 1/4" dia., 2 1/4" long. Shorting contacts except *non-shorting. †3 active positions with 5 amp., 110 v. AC switch. 1472 is for AM-FM-phonos selector use. Av. shpg. wt., 5 oz.

Stock No.	Type	Description	1.08	.90
34 B 080	1460	SPDT phono-radio switch.		
34 B 081	1461	SP-3-position selector		
34 B 082	1462	DPDT bandswitch		
34 B 083	1463*	SPDT spring return	1.08	.90
34 B 084	1464*	DPDT spring return		
35 B 235	1472*	DP 3-position		
34 B 073	1465†	SP-4-position W/AC sw.	1.80	1.50

LEVER-ACTION SWITCHES

Dress up your equipment with these quality switches. *Spring return. †Positive indexing. PA-7004 and PA-7005 are both. Rated 2.75 amps @ 15 v. DC; 230 ma @ 115 v. AC. Two 4-to-40 mtg. holes. With knob and hdwe. 2 1/2"x1 1/2" behind panel. 4 oz.



Shorting		Non-Shorting		Poles	Pos.	NET EACH	
Stock No.	Type	Stock No.	Type			1-4	5-9
34 B 000	PA-7000†	34 B 006	PA-7001†	2	3	1.05	.88
34 B 001	PA-7002*	34 B 007	PA-7003*	2	3	1.26	1.05
34 B 002	PA-7004*†	34 B 008	PA-7005*†	2	3	1.26	1.05
34 B 003	PA-7006†	34 B 009	PA-7007†	2	4	0.95	.88
34 B 004	PA-7008*	34 B 010	PA-7009*	4	2	1.26	1.05
34 B 005	PA-7010†	34 B 011	PA-7011†	4	2	1.05	.88

MOUNTING PLATES. For single or multiple mounting of lever-action switches. Black wrinkle finish steel. *Chrome-plated. Av. shpg. wt., 4 oz.

Stock No.	Type	Switches	Size	1-4, EA.	5-9, EA.
34 B 050	P1755	1	3/4"x2 1/2"	.30	.25
34 B 051	P1756	2	1 1/2"x2 1/2"	.30	.25
34 B 052	P1757	3	2 1/4"x2 1/2"	.30	.25
34 B 053	P1758	4	3"x2 1/2"	.30	.25
34 B 060	P221*	2	2 1/4"x4 1/2"	.63	.53
34 B 061	P222*	1	2 1/4"x4 1/2"	.63	.53

SERIES 1400 SWITCHES—PHENOLIC INSULATION

Laminated phenolic-insulated rotary switch for use in band change and general tap switch applications. Compact design. Size: 1 1/2"x1 1/2" dia. Bushings, 3/8"x1/4". Shafts, 2 1/4". 1/4" spacing between sections, except 1" on 3 and 4-section switches. Rating: 2.75 amps at 15 v. DC; 230 ma at 115 v. AC. Has positive 30° indexing. With mtg. nut, washer, 1 1/4" knob. Av. shpg. wt., 6 oz.



Shorting		Non-Shorting		Sec.	Total	Pole	NET EACH	
Stock No.	Type	Stock No.	Type		Poles	Pos.	1-4	5-9
35 B 180	1400	35 B 163	1401	1	1	2-6		
35 B 183	1402	35 B 164	1403	1	1	2-11		
35 B 184	1404	35 B 165	1405	1	2	2-5	2.52	2.10
		35 B 166	1407	1	3	2-3		
35 B 186	1408	35 B 167	1409	1	4	2		
35 B 187	1410	35 B 168	1411	2	2	2-6		
35 B 188	1412	35 B 169	1413	2	2	2-11		
35 B 189	1414	35 B 170	1415	2	4	2-5	3.06	2.55
		35 B 171	1417	2	6	2-3		
35 B 191	1418	35 B 172	1419	2	8	2		
		35 B 174	1423	3	3	2-11	3.90	3.25
		35 B 175	1425	3	6	2-5	3.90	3.25
35 B 197	1430	35 B 178	1431	4	8	2-5	4.50	3.75

P-270 Series. Shaft and Index Assemblies. Complete hardware for 1400 Series switches, above. Also fits 2500 series stearite sections. (Spacers, tie-rods, etc.), 30° indexing. Shpg. wt., 3 oz.

Stock No.	Type	Shaft	Sections	1-4, EA.	5-9, EA.
35 B 497	P-270	2"	1-3	1.65	1.38
35 B 498	P-271	4"	3-5	2.10	1.75
35 B 499	P-272	8"	5-10	2.85	2.38

EDCO WALL SWITCHES

Delayed-Action Wall Switch. Perfect for installation in porches, garages, stairwells, etc. Light stays on almost a full minute after switch is snapped off. Fits standard switch box. Rated 10 amps, 125 VAC. U.L. Approved. 5 oz. NET 2.17

New Dimmer Switch. Three-position switch: on (full), center off, and dim. Will dim lights to only 30% of normal lighting. Ideal for watching TV entertaining, as a night light, etc. Fits standard switch box. Rated at 10 amps, 125 VAC. U.L. Approved. Shpg. wt., 6 oz. NET 2.89



MINIATURE STEATITE SWITCHES

PA-2000 Series. Precision ceramic rotary switches. High Q low-loss steatite body. Rated 2.75 amps @ 15 v. DC; 230 ma @ 115 v. AC. Oval-shaped, 1 1/2"x1 1/2" diameters; 1/4" spacing between sections. 30° indexing. Shaft 2 1/4" FMS long, 1/4" diameter; bushing 3/8"-32 thread, 3/4" long. *2042 has 1 off and 9 progressively shorting positions. Have adjustable stop. Include nut, lock washer and 1 1/4" black pointer knob. Av. wt., 6 oz.



Shorting		Non-Shorting		Sec.	Total	Pole	NET EACH	
Stock No.	Type	Stock No.	Type		Poles	Pos.	1-4	5-9
35 B 095	*2042			1	1	2-10	2.16	1.80
35 B 900	2000	34 B 921	2001	1	1	2-12	2.37	1.98
34 B 901	2002	34 B 922	2003	1	2	2-6	2.37	1.98
34 B 902	2004	34 B 923	2005	2	2	2-12	3.39	1.98
34 B 903	2006	34 B 924	2007	1	3	2-5	2.37	1.98
34 B 904	2008	34 B 925	2009	3	3	2-12	4.32	3.60
34 B 905	2010	34 B 926	2011	2	4	2-6	3.39	2.83
34 B 906	2012	34 B 927	2013	4	4	2-12	5.19	4.33
34 B 907	2014	34 B 928	2015	1	5	2-3	2.37	1.98
34 B 908	2016	34 B 929	2017	5	5	2-12	6.21	5.18
34 B 909	2018	34 B 930	2019	1	6	2	2.37	1.98
34 B 910	2020	34 B 931	2021	2	6	2-5	3.39	2.83
34 B 911	2022	34 B 932	2023	3	6	2-6	4.32	3.60
		34 B 933	2025	6	6	2-12	7.20	6.00
34 B 913	2026	34 B 934	2027	4	8	2-6	5.19	4.33
		34 B 935	2029	3	9	2-5	4.32	3.60
		34 B 936	2031	2	10	2-3	3.39	2.83
		34 B 940	2039	3	15	2-3	4.68	3.90
		34 B 941	2041	3	18	2	4.68	3.90

MINIATURE PHENOLIC SWITCHES

PA-1000 Series. Rated 2.75 amps @ 15 v. DC; 230 ma @ 115 v. AC. 30° indexing adjustable stop. 1 1/2"x1 1/2" diameters; 1/4" spacing between sections. Shaft, 2 1/4" FMS x 1/4"; bushing 3/8"x3/8". Adjustable stop. Mtg. hardware and 1 1/4" pointer knob. Shpg. wt., 5 oz.



Shorting		Non-Shorting		Sec.	Total	Pole	NET EACH	
Stock No.	Type	Stock No.	Type		Poles	Pos.	1-4	5-9
35 B 050	1000	35 B 065	1001	1	1	2-11	1.80	1.50
35 B 051	1002	35 B 066	1002	1	2	2-5	1.80	1.50
35 B 052	1004	35 B 067	1005	2	2	2-11	2.58	2.15
35 B 053	1006	35 B 068	1007	1	3	2-3	1.80	1.50
35 B 054	1008	35 B 069	1009	3	3	2-11	3.24	2.70
35 B 055	1010	35 B 070	1011	1	4	2	1.80	1.50
35 B 056	1012	35 B 071	1013	2	4	2-5	2.58	2.15
35 B 057	1014	35 B 072	1015	4	4	2-11	3.81	3.18
35 B 059	1018	35 B 074	1019	2	6	2-3	2.58	2.15
35 B 060	1020	35 B 075	1021	3	6	2-5	3.24	2.70
		35 B 077	1025	2	8	2-5	2.58	2.15
35 B 063	1026	35 B 078	1027	4	8	2	3.81	3.18

SEPARATE ASSEMBLIES FOR MAKING MINIATURE SWITCHES

Type PA Phenolic Sections Only. Carry the same ratings as above pointer knob switches. Excellent RF characteristics. Adjustable stop. Use with PA-300 series index assemblies, below. With hardware, 2 oz.

Shorting		Non-Shorting		Total	Pole	NET EACH	
Stock No.	Type	Stock No.	Type	Poles	Pos.	1-4	5-9
35 B 080	30	35 B 085	31	1	2-11		
35 B 081	32	35 B 086	33	2	2-5	.87	.73
35 B 082	34	35 B 087	35	3	2-3		
35 B 083	36	35 B 088	37	4	2		

Type PA Steatite Sections Only. Custom and standard switches can be assembled by using these sections. For use with PA-300 Series index assemblies, shown below. Adjustable stop. Shpg. wt., 2 oz.

Shorting		Non-Shorting		Total	Pole	NET EACH	
Stock No.	Type	Stock No.	Type	Poles	Pos.	1-4	5-9
35 B 040	PA-0	35 B 045	PA-1	1	2-12		
35 B 041	PA-2	35 B 046	PA-3	2	2-6		
35 B 042	PA-4	35 B 047	PA-5	3	2-5	1.20	1.00
35 B 044	PA-8	35 B 049	PA-9	6	2		
35 B 238	PA-11	35 B 240	PA-18	2	2-11		

PA-300 Series. Shaft and Index Assemblies. Contains index, pointer knob, adjustable stop plate, spacers and fiber washers, the bolts, nuts, lock washers and instructions. 30° indexing. Shpg. wt., 3 oz.

Stock No.	Mt'g's Type	Shaft Length	Sections	NET EACH	
				1-4	5-9
35 B 092	300	2"	1-3	1.38	1.15
35 B 093	301	3"	4-5	1.80	1.50
35 B 094	302	6"	7-9	2.37	1.98

2500 SWITCHES—STEARITE INSULATION

Rotary switches. Excellent for RF use. Switch, 1 1/2" diameter. 1/4" spacing between sections for 1 and 2 section switches; 1/2" spacing for switches over 2 sections. Bushing, 3/8" dia. x 3/8" long. Shaft, 2 1/4". Positive 30° index; adjustable stop. Includes mounting nut, lock washer, and 1 1/4" black pointer knob. Av. shpg. wt., 6 oz.



Shorting		Non-Shorting		Sec.	Total	Pole	NET EACH	
Stock No.	Type	Stock No.	Type		Poles	Pos.	1-4	5-9
35 B 214	2500	35 B 225	2501	1	1	2-6	2.82	2.35
35 B 215	2502	35 B 226	2503	1	1	2-11		
35 B 216	2504	35 B 227	2505	1	2	2-5		
35 B 217	2506	35 B 228	2507	1	3	2-3		
35 B 218	2510	35 B 229	2511	2	2	2-6	4.02	3.35
35 B 219	2512	35 B 230	2515	2	2	2-11		
35 B 220	2514	35 B 231	2517	2	4	2-3		
		35 B 232	2517	2	6	2-3		
35 B 223	2522	35 B 231	2523	3	3	2-11	5.16	4.30

Gang Switches, Foot Switches and Timers

MALLORY GANG SWITCHES

3100J AND 3200J SINGLE-GANG SWITCHES



Compact, enclosed, low-voltage switches. Have 2" notched shaft; 3/8" threaded bushing, 3/4" long. With bar knob and nut. All 1 1/4" base dia. types have adjustable stops. For band switching, etc. Use dial plates listed below. Shpg. wt., 4 oz.

Shorting		Non-Shorting		Poles	Positions	Base Dia.	NET EACH	
Stock No.	Type	Stock No.	Type				1-4	6-9
34 B 300	3115J	34 B 350	3215J	1	5	1 1/4"	1.02	.85
34 B 301	3112J	34 B 351	3212J	2	12	1 1/4"		
34 B 302	3122J	34 B 352	3222J	2	2	1 1/4"		
34 B 303	3121J	34 B 353	3223J	2	3	1 1/4"		
34 B 304	3126J	34 B 354	3226J	2	6	1 1/4"		
34 B 305	3144J	34 B 355	3244J	3	4	1 1/4"			1.05	.88
34 B 306	3142J	34 B 356	3242J	4	2	1 1/4"	1.05	.88
34 B 307	3143J	34 B 357	3243J	4	3	1 1/4"	1.05	.88
34 B 308	3117J	34 B 358	3217J	1	2-17	1 1/4"	1.56	1.30
34 B 309	3127J	34 B 359	3227J	2	2-9	1 1/4"	1.56	1.30
34 B 310	3136J	34 B 360	3236J	3	2-6	1 1/4"	1.65	1.38
34 B 311	3163J	34 B 361	3263J	6	2-3	1 1/4"	1.65	1.38

DIAL PLATES



Wide selection of dial plates for switches, potentiometers and rheostats. Types 372 to 390 for switches 1200L, 1300L and for 3100J and 3200J with 1 1/4" bases; 453 to 486 for switches 3100J and 3200J with 1 1/8" bases. Etched aluminum. Black background. 1 1/8" dia. 7/8" hole. Shpg. wt., 2 oz.

30° SPACING FOR 1 1/4" BASE SWITCHES

Type	Marking	Type	Marking
372	1 to 2	384	Off 1 to 4
373	1 to 3	385	Off 1 to 5
374	1 to 4	386	Off 1 to 6
375	1 to 5	387	Off 1 to 7
376	1 to 6	388	Off 1 to 8
377	1 to 7	389	Off 1 to 9
378	1 to 8	390	Off 1 to 10
379	1 to 9		
380	1 to 10		
381	1 to 11		
382	1 to 12		
383	Off 1 to 3		

34 BB 600. Specify Type.

NET EACH

20° SPACING FOR 1 1/8" BASE SWITCHES

Type	Marking	Type	Marking
453	1 to 3	474	Off 1 to 4
454	1 to 4	475	Off 1 to 5
455	1 to 5	476	Off 1 to 6
456	1 to 6	477	Off 1 to 7
457	1 to 7	478	Off 1 to 8
458	1 to 8	479	Off 1 to 9
459	1 to 9	480	Off 1 to 10
460	1 to 10	481	Off 1 to 11
461	1 to 11	482	Off 1 to 12
462	1 to 12	483	Off 1 to 13
463	1 to 13	484	Off 1 to 14
473	Off 1 to 3	486	Off 1 to 16

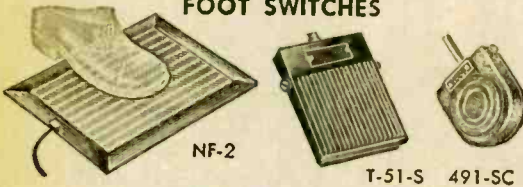
34 BB 650. Specify Type.

12

FOR POTENTIOMETERS AND RHEOSTATS

Stock No.	Type	Description	NET
34 B 670	369	0-100 plate for volume control	.21
34 B 620	391	Increase type plate for volume control	.21
34 B 622	393	0-10 plate for rheostats and pots	.21
34 B 624	396	0-10 plate for wire-wound controls	.21
34 B 623	394	1-24 position; 15° opening	.12

FOOT SWITCHES



NF-2

T-51-S 491-SC

RECORA TYPE NF-2 "NEPTUNE" SWITCH

Easy-operating switch that can be operated by foot or toe. Frees hands for work. SPDT contacts are rated 7 amps at 110 v. Waterproof for indoor or outdoor use. Durable brown plastic. With 6-ft. cord. Size, 3/8"x6"x8". Shpg. wt., 2 lbs.

78 B 292. NET 5.49

78 B 293. TYPE PSN-2. As above, but plug-socket lets switch plug into AC, controlled unit plugs into socket. NET 6.27

RECORA "SWITCHMATS"

Similar to "Neptune" above, except larger. Durable, corrugated brown vinyl-plastic mat conceals normally-open SPDT switch. Sensitive to forces over 5 lbs. For indoor or outdoor use. For 110 v. non-inductive loads up to 100 watts, 3/8" thick, 10-ft. cord.

78 BX 355. 14x23". Shpg. wt., 14 lbs. NET 15.20

78 BX 356. 18x30". Shpg. wt., 24 lbs. NET 21.60

LINEMASTER MODEL T-51-S "TREADLITE"

Compact foot switch for low amperage loads. SPDT momentary-contact switch is rated 7 amps at 110-250 v. Rubber treading; skid-proof rubber base. Black crackle casing 1x2 1/2 x 1/2". 7 oz.

78 B 383. NET 2.75

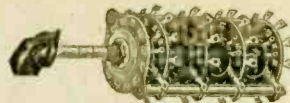
78 B 384. MODEL T-51-SC. As above, but with 6-ft. cord and series plug. Shpg. wt., 1 lb. NET 4.00

LINEMASTER MODEL 491-SC "COMPACT"

Lightweight, momentary-contact switch with SPDT contacts rated 10 amps at 115 v. or 230 v., AC only. Has steel housing, skid-proof base, and 6-foot cord with 2-prong series plug. 2 1/4 x 2 1/2 x 1 1/4". 1/2 lb.

54 B 407. NET 4.75

1200L AND 1300L MULTI-GANG SWITCHES



Versatile multi-gang switches for servicing and industrial applications. Have 1 fixed and 1 adjustable stop, silver-plated contacts, solid silver rotor contact slugs, and phosphor-bronze springs. 3- and 4-gang spaced 1"; all others 1/2". 2" notched shaft. For servicing and industrial applications. Have 1 fixed and 1 adjustable stop, silver-plated contacts, solid silver rotor contact slugs, and phosphor-bronze springs. 3- and 4-gang spaced 1"; all others 1/2". 2" notched shaft. With bar knob and hardware, less mtg. plate. Use 34 BB 600 plates at left. *With additional "off" positions with all circuits open. Av. shpg. wt., 8 oz.

Shorting		Non-Shorting		Gangs	Total Poles	Pos. Per Pole	NET EACH	
Stock No.	Type	Stock No.	Type				1-4	6-9
34 B 201	1211L	34 B 251	1311L	1	1	2-11	2.10	1.75
34 B 202	1215*	34 B 252	1315L*	1	2	2-5		
34 B 203	1213*	34 B 253	1313L*	1	3	2-3		
34 B 204	1212*	34 B 254	1312L*	1	4	2	2.58	2.15
34 B 206	1221L	34 B 256	1321L	2	2	2-11		
34 B 207	1221*	34 B 257	1321*	2	4	2-5	2.58	2.15
34 B 209	1222L*	34 B 259	1322L*	2	8	2		
34 B 211	1231L	34 B 261	1331L	3	3	2-11	3.24	2.70
34 B 212	1235L*	34 B 262	1335L*	3	6	2-5	3.24	2.70
34 B 214	1241L	34 B 264	1341L	4	4	2-11	3.81	3.18
34 B 215	1245L*	34 B 265	1345L*	4	8	2-5	3.81	3.18
34 B 216	1251L	34 B 266	1351L	5	5	2-11	4.11	3.43
34 B 217	1256L	34 B 267	1356L	5	10	2-6	4.53	3.78
34 B 218	1261L	34 B 268	1361L	6	6	2-11	4.83	4.03
34 B 219	1266L	34 B 269	1366L	6	12	2-6	5.52	4.60

151L "HAMSWITCH"



Ideal for switching a single meter between 1 to 5 circuits. 2 sections. 5 positions—1 pole per section. Non-shorting; 2 1/4" spacing between sections; 60° indexing. Rated 1000 VAC, 1500 VDC. 3/8" mtg. depth. 3/8"x3/8" bushing, 2x1/4" shaft. With knob, nut, and lockwasher. Shpg. wt., 6 oz.

34 B 318. 5-9, EACH 2.25 1-4, EACH 2.70

1312AL 24-POINT TAP SWITCH

Single circuit, 24 position, non-shorting switch. Continuous rotation. 3/8" bushing. 2" grooved shaft. Useful in test equipment. 15° indexing between positions. With knob, dial plate and hardware. 6 oz.

34 B 295. 5-9, EACH 2.30 1-4, EACH 2.76

BR254 UNIVERSAL MOUNTING BRACKET

"L" shaped Universal Mounting Bracket for baseboard or rear support mounting of all Mallory circuit selector switches, volume controls and jacks. Shpg. wt., 2 oz.

34 B 420. NET 15

"MARK-TIME" TIMERS



29000

78105

74701

MODEL 29000 "CLOCK WATCHER"

Spring-driven timer in attractive sculptured design. Times up to 60 min. with bell tone. White finish. Shpg. wt., 1/4 lbs.

78 B 380. List. \$3.95. NET 2.97

78105 PROFESSIONAL TIME SWITCH

Turns off current at any pre-set time up to 1 hr. 10 amps. 6-ft. cord. 3 1/2"x3 1/2". For 110-125 v. 60 cycle AC. 1 lb.

78 B 263. NET 5.95

MODEL 78174 PHOTO TIME SWITCH. As above, but for periods to 60 seconds. Adjustable stop for repeat settings.

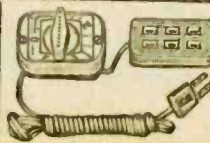
78 B 264. List. \$8.95. NET 6.72

STANDARD BUILT-IN TIME SWITCHES

SPDT switch easily set for "off-type" or "on-type" use. Simple installation. With hdwe. 28 amps. 125-240 VAC. U.L. Approved.

Stock No.	Type	Timing Range	Dia. x Depth	Lbs.	NET
78 B 259	74701	0 to 15 min.	2 1/2 x 1 1/2"	1	5.96
78 B 261	74702	0 to 30 min.		1	5.96
78 B 268	74703	0 to 60 min.		1	5.96

TEC-4 AUTOMATIC TIMER



Functional and economical—serves as both extension cord and time switch. Insert up to 3 devices into outlets and set knob for up to 4-hr. "on" cycle. Shuts off at end of cycle automatically. 10 amps. Cream and gold. 1 lb.

78 B 291. NET 5.21

SWITCHCRAFT QUALITY SWITCHES

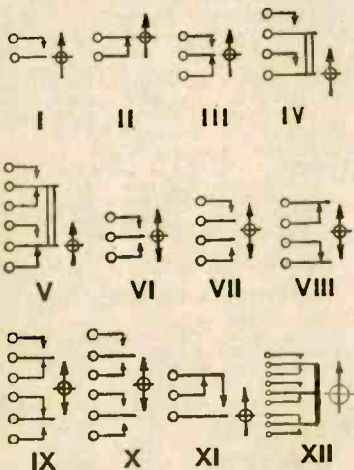
FF SWITCHES

Non-Locking Pushbutton Type Switches with flat frame construction adaptable to any stack of contact springs. Rated at 3 amps, 120 v., AC. Black button and shaft. $\frac{1}{8}$ " dia. threaded bushing. $\frac{1}{2}$ " long. With nut and washer. $\frac{1}{8}$ o. or n.c. means normally open or normally closed. 3 oz.



Stock No.	Mfr's Type	Action	Diag.	NET EACH
34 B 994	1001	SPST n.o.	I	.62
34 B 995	1002	SPST n.c.	II	.62
34 B 996	1003	SPDT	III	.71
34 B 997	1004	DPST n.o.	IV	.76
34 B 999	1006	DPDT	V	.91
34 B 969	1009	3PDT	XII	1.23

SWITCHCRAFT SCHEMATIC DIAGRAMS



"LEV-R" TYPE SWITCHES

Ultra-Compact Lever Switches. Choose either locking type or momentary contact, spring return type. Silver contacts rated @ 3 amps, 120 v., AC, non-inductive load. Length, $3\frac{1}{4}$ ", width, $\frac{3}{8}$ ", $\frac{1}{8}$ o. or n.c. means normally open or normally closed. With locknut; require $\frac{1}{32}$ " mtg. hole. Av. wt., 3 oz.



LOCKING TYPE

Stock No.	Mfr's Type	Action		NET EACH
		Poles	Diag.	
34 B 471	3001L	SPST n.o.	I	1.15
34 B 472	3003L	SPDT	III	1.32
34 B 473	3004L	DPST n.o.	IV	1.47
34 B 474	3006L	DPDT	V	1.62
34 B 484	3009L	3PDT	XII	2.00
34 B 475	*3033L	SPDT n.o.	VI	1.47
34 B 459	*3034L	DP 2-Ckt	VII	1.53
34 B 477	*3035L	DP 2-Ckt	VIII	1.53
34 B 479	*3036L	DP 2-Ckt	IX	1.71
34 B 476	*3037L	DPDT n.o.	X	1.73

SPRING-RETURN TYPE

Stock No.	Mfr's Type	Action		NET EACH
		Poles	Diag.	
34 B 465	3001	SPST n.o.	I	1.15
34 B 466	3003	SPDT	III	1.32
34 B 467	3004	DPST n.o.	IV	1.47
34 B 468	3006	DPDT	V	1.62
34 B 485	3009	3PDT	XII	2.00
34 B 469	*3033	SPDT n.o.	VI	1.47
34 B 458	*3034	DP 2-Ckt	VII	1.53
34 B 464	*3035	DP 2-Ckt	VIII	1.53
34 B 478	*3036	DP 2-Ckt	IX	1.71
34 B 470	*3037	DPDT n.o.	X	1.73

"TINI-SWITCHES"

Subminiature, Non-Locking, Pushbutton Switches. Red or black buttons. $\frac{1}{2}$ " threaded bushing. $\frac{1}{8}$ " long. Requires $\frac{3}{16}$ " behind panel. For low-level currents only. $\frac{1}{8}$ o. means normally open; n.c. normally closed. Wt., 3 oz.



Stock No.	Mfr's Type	Button Color	Action		NET EACH
			Poles	Diag.	
34 B 831	951	Red	SPST n.o.	I	.53
34 B 832	952	Red	SPST n.c.	II	.53
34 B 833	953	Red	SPDT	III	.59
34 B 834	961	Black	SPST n.o.	I	.53
34 B 835	962	Black	SPST n.c.	II	.53
34 B 836	963	Black	SPDT	III	.59

"BUTTON" SWITCHES

Unusually Small, Momentary-Contact Pushbutton Switches. Ideal for replacement in electric appliances. Enclosed in metal housing; have black or red plastic button. Types 903 and 913 are $\frac{1}{2}$ " long; fit $\frac{1}{8}$ " hole; mount from behind panel. Types 923 and 933 are $\frac{1}{4}$ " long; fit $\frac{1}{8}$ " hole; mount from front of panel. All rated at 250 v. a. non-inductive load, AC (30 watts max.). Wt., 2 oz.



Stock No.	Mfr's Type	Button Color	Action		NET EACH
			Poles	Diag.	
35 B 414	903	Red	SPDT	III	.88
35 B 418	913	Black	SPDT	III	.88
35 B 416	923	Red	SPDT	III	1.03
35 B 420	933	Black	SPDT	III	1.03

CORD-TYPE PUSHBUTTON SWITCH

Hand-held switch for use on control cords. Consists of a momentary-contact "button" switch (above) threaded into one end of a nickel-plated sleeve. Action is SPDT; Diagram III. A precision, easily operated switch for remote control of recorders, lights, counters, many other devices. Sleeve is $\frac{1}{8}$ " dia. and $2\frac{3}{8}$ " long. Wt., 4 oz.



35 B 422, Type E903 Red, NET 1.47
35 B 424, Type E913 Black, NET 1.47

"LITTEL" SWITCHES

Miniature, Non-Locking Pushbutton Type Switches for limited space applications. One-piece button and shaft. Red or black button, n.c. means normally closed. Nickel silver contacts; spring sections are insulated. $\frac{1}{8}$ " threaded stem; $\frac{1}{8}$ " long. For low-level currents only. With mtg. lid, Wt., 3 oz.

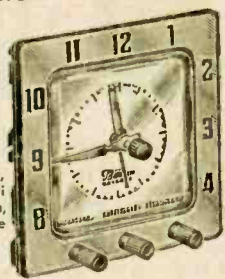


Stock No.	Mfr's Type	Button Color	Action		NET EACH
			Poles	Diag.	
34 B 944	101	Red	SPST n.o.	I	.53
34 B 945	102	Red	SPST n.c.	II	.53
34 B 946	103	Red	SPDT	III	.59
34 B 947	201	Black	SPST n.o.	I	.53
34 B 948	202	Black	SPST n.c.	II	.53
34 B 949	203	Black	SPDT	III	.59

TELECHRON CLOCK-TIMER

Electric Clock and Automatic Time Switch

Turns on, TV, Radio, Hi-Fi Music System, or Appliance At Pre-set Time



An excellent value in a famous-name, combination electric clock and automatic time switch. Unit can be used for control of an AC radio, hi-fi music system, air conditioner, coffee-maker, hot plate, etc. Plenty of uses in the shop, Amateur station and laboratory, too—"warms up" equipment at any pre-set time. The built-in SPST switch is rated 15 amps at 125 volts AC.

One of the switch controls permits selecting manual "on" and "off" operation, or automatic turning on of the controlled device at a preselected time within a 12-hour period. Automatic operation can also be employed with a signal alarm sounding 10 minutes after "on cycle" begins. The other switch control permits selecting a definitely timed "on cycle" of up to one hour duration—can be used with radio as a "sleep switch." Gold color. $3\frac{1}{2}$ " square; $1\frac{1}{2}$ " deep. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs. 78 B 438. (Includes P. E. T.) NET 5.98

TORK TIME SWITCHES—PROGRAM TIMER



919T

- Plug-in Cord
- Easy to Use



8001



6100



4100

MODEL 919T PORTABLE SWITCH

Can be set for "on" period from 20 min. to 23 hrs., 15 min. daily to nearest 15 min. interval. Use extra trippers for more "on-off" cycles. Rated 15 amps, $5\frac{1}{2}$ "x $4\frac{1}{4}$ " U.L. Approved. For 110-120 v., 60 cycle AC. Wt., 4 lbs. 78 B 304. List, \$14.95. NET 9.72
Extra Trippers. For above, Pair, 3 oz. 78 B 309. NET PER PAIR 4.45

MODEL 8001 PROGRAM TIMER

Has 96 tabs, one for each 15 min. interval of the day. Any tab may be set to either "off" or "on." Repeats every 24 hrs. SPDT switch or "on." Rated @ 20 amps, $8\frac{1}{2}$ "x $5\frac{3}{8}$ "x $4\frac{1}{4}$ " U.L. Approved. For operation from 110-120 v., 60 cycle AC. Wt., 4 lbs. 78 B 299. List \$27.95. NET 18.17

MODEL 6100 "TORKMASTER"

Turns "on" and "off" once over a 24-hour period. Repeats every 24 hours. Minimum setting, 90 minutes. 24-hour dial is calibrated in 15-minute intervals. Switch is single pole; contacts rated 40 amps, $8\frac{1}{2}$ "x $5\frac{3}{8}$ "x $4\frac{1}{4}$ " U.L. Approved. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs. 54 B 464. List, \$11.95. NET 7.77

MODEL 4100 "HOURMASTER"

Heavy-duty SPST time switch. Any hour or sequence of hours may be set to include an identical "on" cycle each hour you choose up to 24. "On" cycle can be varied from 2 to 55 minutes. Sequence repeats every 24 hours. Rated at 40 amps; U.L. Approved. $8\frac{1}{2}$ "x $5\frac{3}{8}$ "x $4\frac{1}{4}$ ". For 110-120 v., 60 cycle AC. 4 lbs. 78 B 295. List, \$29.95. NET 19.47

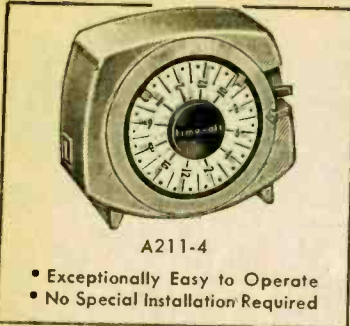
MODEL 7100

Not illustrated. SPST switch automatically turns electrical equipment or lights "off" and "on" every 24 hours. Minimum setting is 20 minutes. May be easily set to skip from 1 to 6 days per week automatically or operated manually without disturbing automatic settings for applications requiring several operations a day. Rated at 40 amps. Size, $8\frac{1}{2}$ "x $5\frac{3}{8}$ "x $4\frac{1}{4}$ ". U.L. Approved. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs. 78 B 379. List, \$16.95. NET 11.02
MODEL 7100-W. As above, but may be set for longer or shorter operations for individual days. Has 7-day switch. Minimum "on" time, 2 1/2 hrs. Shpg. wt., 4 lbs. 78 B 389. List, \$27.95. NET 18.17

Your Satisfaction Is Guaranteed When You Order From Allied

Intermatic Clock Timers and Time Switches

CLOCK TIMERS AND CONTROLS



A211-4

- Exceptionally Easy to Operate
- No Special Installation Required

MODEL A211-4 "TIME-ALL"

Time control switch for office, store or home. Excellent for controlling lights or appliances, etc. Has manual control with automatic reset. Turns lights "on" and "off" at pre-set times—gives house a "lived in" look to discourage prowlers while owners are out or away on a vacation. To revert to control cycle, simply release manual control from "permanent" position.

Min. "on" time, 15 min.; max., 23 hrs., 45 min. AC outlet for equipment to be controlled. Switch contacts will handle 15 amps, 1875-watt load. Complete with 6-ft. cord, plug and instructions. Desert Sand Plaskon case. 5x4x2½". U.L. Approved. For 110-120 volts, 60 cycle AC. Shpg. wt., 2 lbs.

78 B 311. List, \$11.95.....NET 7.97

Model A221-4. Same as above, but designed to handle 7 amps, 875-watt load. Excellent for use in such light-duty applications as the automatic control of hi-fi music systems, home lights, etc. Dove Gray Plaskon case. Shpg. wt., 2 lbs.

78 B 397. List, \$10.95.....NET 7.29



A401-4

MODEL A401-4 "CLOCK-TIMER"

Combination clock and switch. For automatically turning appliances "on" and "off" at preset times. Min. "on" time, ¼ hour; max., 5½ hours. SPST switch rated 15 amps, 1875 watts. AC receptacle for plugging in appliances. Desert Sand Plaskon case. 6-ft. cord and plug. 4½x4½x2¼". U.L. Approved. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.

78 B 343. (Includes F.E.T.)...NET 8.77



A501

MODEL A501 "MUSIC-MINDER"

Combination electric clock and automatic time switch that turns "on" appliances within a 12 hour period. Alarm may be set to go off 10 minutes later. 0-60 min. sleep switch lets you fall asleep to music. Handles 1875 watts. Desert Sand Plaskon case, 6-ft. cord. 4½x4½x2¼". U.L. Approved 110-120 v., 60 cycle AC. 2 lbs.

78 B 267. (Includes F.E.T.)...NET 8.77

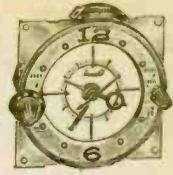


A301-4

MODEL A301-4 "TIME-MINDER"

Combination electric clock and signal timer. Times any pre-set interval from 1 min. to 1 hour. Pleasant-toned buzzer sounds at end of interval and continues until manually shut off. No installation—just plug in. Desert Sand Plaskon case. U.L. Approved. 6-ft. cord. 4½x4½x2¼". For 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.

78 B 342. (Includes F.E.T.)...NET 6.57



RC5421-4

MODEL RC5421-4 CLOCK-TIMER

- All Controls Are Front-Mounted
- Very Attractively Styled

An unmounted combination electric clock and automatic time switch. Use it for controlling radios, TV sets, fans, air conditioners or any other appliance drawing up to 15 amps of current.

Will automatically turn "on" electrical appliances at any pre-set time within a 12-hour period; if desired, a pleasant sounding alarm may be set to go off 10 minutes later. A sleep-switch permits selecting a timed "on cycle" of up to 60 minutes in duration—lets you fall asleep to radio music. Unit can be manually operated too.

All controls are located on the front panel. Highly attractive—has brass bezel, soft white and brown dial, tan knobs. Handles 1875 watts. 3½" square; 2" deep. With crystal. Has four ½" mtg. holes on 3½" ctrs. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 1 lb.

78 B 499. (Includes F.E.T.)...NET 6.94

MODEL RC5321-2 CLOCK-TIMER

Not illustrated. An unmounted unit, nearly identical to RC5421-4 above, but sleep-switch control and on-off-alarm knob are located on front panel, time and alarm-set shaft are at rear. Shpg. wt., 1½ lbs.

78 B 498. (Includes F.E.T.)...NET 6.43



Type T171

"SKIPPER" TIME SWITCHES

Handle up to 12 On-Off operations—Can be set to skip one or more days—U.L. Approved

Permit "skipping" control cycle. Have 2 dials: a time dial and a day dial. To skip any days, small skipping screws are inserted into the day dial. "On" and "off" trippers are set in the time dial. Special "cutout" tripper advances the day dial every 24 hours. Up to 12 operations per day can be obtained by adding trippers. Range: minimum "on" or "off", 1 hour; maximum, 23 hours. Silver contacts are rated 40 amps (4375 watts, tungsten) at 125 volts. 7¾x5x3". For 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.

Stock No.	Type	Action	List	NET
78 B 315	T171	SPST	\$16.95	11.02
78 B 316	T173	DPST	18.95	12.32
78 B 317	T175	SPDT	18.95	12.32

TRIPPERS AND SKIPPING SCREWS

Type 107T19A. On-Cutout Trippers. For "Skipper" types only. 3 oz.

78 B 319. NET EACH.....20

Type 79T8A. Skipping Screws. For "Skipper" types only. 8 oz.

78 B 364. Pkg. of 2, EACH PKG....10

Type 107T8A. "On and Off" Trippers. For Intermatics, except T185. 2 oz.

78 B 324. NET PER SET.....26

POPULAR TIME SWITCHES



T101

TYPE T101 TIME SWITCH

SPST time switch turns equipment "on" and "off" once in 24 hours. With extra trippers (uses Type 107T8A, at left) will operate up to 12 times a day. Minimum time between settings is 1 hour. Contacts handle 40 amps (4375 watts, tungsten rated) at 125 volt, 60 cycle. 5x3x7¾". U.L. Approved. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.

78 B 322. List, \$11.95.....NET 7.77

Type T103. As above, but DPST.

78 B 321. List, \$13.95 NET.....9.07

Adapter Kit. Makes above units portable. Supplied complete with 6 ft. cord, plug, etc.

78 B 323.....NET 11.2



P101

TYPE P101 TIME SWITCH

Portable type, SPST plug-in time switch. Easily set for from 1 to 12 on-off operations per day. Minimum "on" or "off" time, 1 hr.; maximum, 23 hrs. May also be manually operated. Capacity: 10 amps at 125 volts. 5x3x7¾". U.L. Approved. For 110-120 v., 60 cycle. AC. Shpg. wt., 4 lbs.

78 B 314. List, \$13.98.....NET 9.07



T185

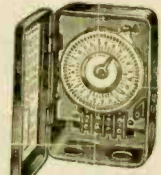
TYPE T185 TIME SWITCH

Provides up to 12 "on-off" cycles daily, with extra trippers below. Each cycle is independently controlled and can vary from 5-60 min. Minimum interval between cycles, 1¼ hrs. Can be used as SPST normally open; SPST normally closed; or SPDT. Perfect for applications requiring more than one "on-off" cycle of the same or different duration in a 24-hour period. Rated 40 amps (4375 watts, tungsten rated), 125 v., AC. With 3 trippers (1 for each "on-off" cycle). 7¾x5x3". U.L. Approved. For 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.

78 B 313. List, \$17.95.....NET 11.67

Extra Trippers. For above. 4 oz.

78 B 336. NET EACH.....92



T965

TYPE T965 TIME SWITCH

Program timer for up to 96 operations in a 24 hour period. Minimum "on" or "off" period is 15 min. Can be used for 24 hour control of heating, air conditioning, and industrial music systems. SPDT switch; rated 20 amps. 7¾x5x3". U.L. Approved. For 110-125 v., 60 cycle AC. Wt. 4 lbs.

78 B 395. List, \$36.50.....NET 23.73

UTC, Superior, Ohmite and Standard Transformers

UTC TRANSFORMERS

ULTRA-COMPACT HIGH-FIDELITY AUDIOS

High fidelity input, interstage, and output transformers. Input types identified by maximum level in dbm. *Multiple shield for very low hum pickup. Response: A-10, A-11, A-12, A-16, A-18, = 2 db, 20-20,000 cps; A-15, A-19, A-22, A-23, A-25, A-37, = 2 db, 40-20,000 cps; A-20, = 2 db, 10-50,000 cps; A-21, = 2 db, 30-30,000 cps; A-24, A-26, = 2 db, 20-40,000 cps; A-34, A-35, = 2 db, 30-20,000 cps. 2x1 1/2 x 1 1/2" case. Av. shpg. wt., 3/4 lbs.



Stock No.	Mfr's Type	Pri. Imp., Ohms	Sec. Imp., Ohms	Max Level	NET EACH
62 G 820	A-10	50, 125-150, 200-250, 333, 500-600	50K	15 dbm	13.20
62 G 821	A-11*	50, 200, 500	50K P.P.	5 dbm	12.00
62 G 822	A-12	Same as A-10	80K 2 sect.	15 dbm	12.00
62 G 864	A-15	10K-2.5K	500-2K	1 watt	9.90
62 G 824	A-16	15K	80K 2:1	30 mw	9.90
62 G 825	A-18	15K (Split)	80K P.P. 2:3:1	30 mw	12.00
62 G 826	A-19	15K-8 ma DC	80K P.P. 2:3:1	30 mw	12.00
62 G 827	A-20	Same as A-10	Same as Pri.	15 dbm	14.40
62 G 828	A-21*	50, 200-250, 500-600	Same as Pri.	15 dbm	12.00
62 G 868	A-22	500	500	1 watt	9.90
62 G 873	A-23	500	4-16, split	1 watt	9.90
62 G 777	A-24	15K	As A-10 pri.	30 mw	12.90
62 G 778	A-25	15K-8 ma DC	As A-10 pri.	30 mw	12.00
62 G 779	A-26	30K P. to P.	As A-10 pri.	30 mw	13.20
61 G 794	A-34	25,000-6250 split	500-125 split	1 watt	10.20
61 G 795	A-35	15,000-2500 split	500-125 split	1 watt	9.90
62 G 797	A-37	500-125 split	50-12.5 split	1 watt	9.60
62 G 874	A-33	Mumetal shield; for any of above			2.70

UTC OUNCER AUDIO UNITS

For compact applications. Response: = 1 db, 30-20,000 cps; except 0-14, 15, and units carrying DC, average 150-4000 cps; 1100-20,000 cps. Max. operating levels: 0-1, 2, 3, 12, 14, and 16 are = 8 dbm for input and mixing; 0-4 thru 0-10, 6.3 mw; 0-18, 19, 20, 21, 26, and 27 are 100 mw; 0-30 is 1 watt @ 200 cps. Sealed in aluminum case. Dia. 7/8 x 3/4" except 3 dia. 1 1/2 x 1 1/2". Two 2-56 mtg. holes on 1/4" crs. Wt., 4 oz.



Stock No.	Type	Primary Impedance	Sec. Imp.	NET
62 G 780	0-1	50, 200-250, 500-600	50,000	7.80
62 G 781	0-2	50, 200-250, 500-600	50,000 CT	7.80
62 G 782	0-3	7.5-30	50,000	7.50
62 G 783	0-4	15,000	60,000	6.60
62 G 784	0-5	15,000 DC in Pri.	60,000	6.60
62 G 785	0-6	15,000	95,000 CT	7.50
62 G 786	0-7	15,000 DC in Pri.	150,000	7.80
62 G 787	0-8	15,000	150,000	7.80
62 G 788	0-9	15,000 DC In Pri.	200-250,	7.80
62 G 789	0-10	30,000 plate to plate	50,000	8.40
62 G 790	0-12	50, 200-250	50,000	7.80
62 G 793	0-13	Reactor: 300 hys. at 0 DC; 6000 ohms.	50,000	6.30
62 G 791	0-14	200	1/2 megohm	7.50
62 G 794	0-16	250 CT	50,000	10.20
62 G 493	0-18	10,000/2500	2000/500	7.80
62 G 494	0-19	10,000/2500	4000/1000	7.80
62 G 495	0-20	1500 CT	500/125	6.30
62 G 496	0-21	2000 CT; 4000 CT	8-16	5.10
61 G 762	0-23	Reactor: 7 hys. at 3 m	DC: 230 ohms	8.10
61 G 765	0-26	10,000 CT	10,000 CT	8.10
61 G 766	0-27	10,000 CT	500/125	8.40
61 G 769	0-30	500/125	500/125	8.10
62 G 492	0-17	Mumetal Shield; fits any Ouncer unit		1.50

UTC STANDARD PHOTOFLASH TRANSFORMERS

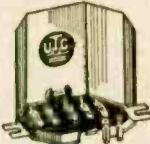
Can be used for either standard (Anglo type), or trigger (Sylvania type) multiple flash tubes.

Type PF-1 Power Transformer. Primary 115 v., 50-60 cycle AC. Secondary with 2X2 rectifier delivers 2200 v. DC to capacitor up to 100 mfd. Filament 200 v. for 2X2. 2 1/2 x 3 3/4 x 2 3/8". Wt., 2 1/4 lbs.

62 G 230. NET EACH 8.40

Type PF-3 Trigger Transformer. Not illus. Use with PF-1 to trigger (Sylvania type) flash tubes. 15 KV peak. Dia. 1 1/2 x 3/4" long. 6 oz.

62 G 232. NET EACH 6.00



PF-1, PF-5

UTC TRANSISTOR PHOTOFLASH TRANSFORMERS

Miniaturized light weight units for transistor-type photoflash supply. For 115 v. AC or portable, battery operation.

Type PF-5 Power Transformer. With two primary windings, one for 115 v., 50-60 cycle AC and the other for 4 1/2-v. battery operation; transistors switched by PF-6 inverter transformer (below). Secondary output with voltage doubler; 400 v. DC. to charge photoflash capacitor. Mount with centers, 2 1/4" x 2 1/4" x 1 1/4". Shpg. wt. 1 lb.

63 G 527. NET EACH 8.40

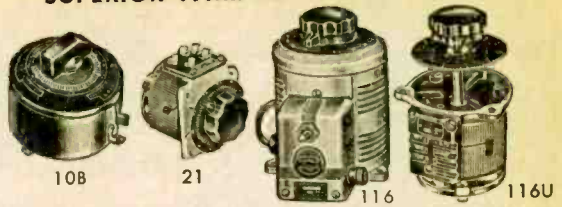
Type PF-6 Inverter Transformer. Transforms 4 1/2 v. DC from battery, to AC (in conjunction with transistorized circuitry), to drive PF-5 step-up transformer (above). 7/8 x 1 3/8". Same case as "Ouncer" (above). Shpg. wt. 2 oz.

63 G 528. NET EACH 5.10

Type PF-7 Trigger Transformer. Not illus. Use with PF-5 and PF-6 (above), to trigger flash tubes. 25 mfd capacitor discharging thru tapped winding providing 6 KV pulse. Dia. 7/8 x 1 3/8" long. 2 oz.

63 G 529. NET EACH 3.60

SUPERIOR VARIABLE TRANSFORMERS



Powerstat variable autotransformers of toroidal core design with movable brush tap which rotates to deliver a continuously adjustable output voltage from AC power lines. Quality voltage controls that feature excellent regulation, conservative ratings, zero waveform distortion, rugged construction, and smooth control. Deliver adjustable output voltage from AC line—output variable from zero to above input line voltage. Negligible voltage change from no load to full load. Maximum current ratings apply over full range of output voltage. Types 10B, 21, and 116U have an "L" terminal which allows connecting in the field to limit output voltage to applied voltage. Mountings: P indicates behind panel mounting; U indicates general utility. Rated for 50° C. temperature rise under full load. All for 110-120 v. AC inputs. Frequency range is 50-60 cycles, except #60 cycles only. Sizes shown on types 10B, 21, and 116U are distance back of panel and diameter; for type 116, sizes are overall height and diameter. Type 116 has on-off switch, line cord and plug, fuse and standard AC output receptacle.

Stock No.	Mfr's Type	OUTPUT			Mtg.	Size	Wt., Lbs.	NET EACH
		Volts	Amps	KVA				
62 G 536	10B*	0-132	1.75	0.165	P	2 1/4 x 2 1/4"	2 1/2	8.50
61 G 163	21	0-140	3.75	0.53	P	3 3/4 x 3 3/4"	6 1/2	12.50
62 G 525	116	0-140	7.5	1.0	U	6 1/2 x 4 5/8"	12	24.00
62 G 524	116U	0-140	7.5	1.0	P	5 x 4 5/8"	11	18.00

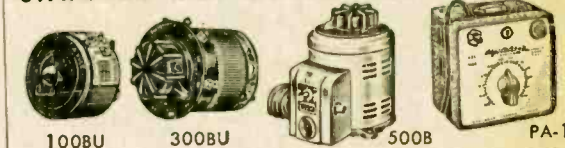
OHMITE VARIABLE TRANSFORMERS



Quality construction for excellent regulation, full current at any setting, long life, and no de-rating to 122°F. Dual voltage types may be connected for either range, with reversible dial, except VT8G, with 120-140 v. switch. All for 50-400 cycle single-phase AC except #60-400 cycle. Types VT2 and VT2N mount on 3/4"-32 control shaft bushing. Types VT4, VT4N, and VT8 mount on table or panels with three 1/4"-20 mtg. holes. Deluxe portable Type VT8G has circuit breaker and carrying case. All VT4-VT8 types U.L. listed.

Stock No.	Mfr's Type	Output		Dia. and Ht.	Shpg. Wt.	NET EACH
		Amps	Volts			
61 G 219	VT2*	1.5	0-120/132	2 1/4 x 2 1/4"	2 1/2	8.50
62 G 131	VT2N*	1.5	0-120	2 1/4 x 2 1/4"	2 1/2	9.00
61 G 220	VT4	3.3	0-120/140	3 3/4 x 4 3/8"	5 1/2	12.50
62 G 132	VT4N	4.75	0-120	3 3/4 x 4 3/8"	5 1/2	13.00
61 G 221	VT8	7.5	0-120/140	4 3/4 x 4 7/8"	10 1/2	18.00
62 G 133	VT8G	6.0	0-120/140	7 3/4 x 5 3/8 x 5 1/4"	14 1/2	28.50

STANDARD ELECTRIC AUTOTRANSFORMERS



For laboratory and industrial applications. Ideal for use in laboratories and school classrooms; for light-dimming applications in homes and institutions, TV rooms, dark rooms; for small motor speed control, model railroading and hobby work. It is also used as the variable AC voltage control for equipment such as mixers, agitators, centrifuges, etc. Types 100BU, 300BU and 500BU are for back-of-panel mounting; Type 100BU mounts on panels up to 1/4" thick; Types 300BU and 500BU mount on panels up to 1/2" thick; Type 500B has brackets for table top mounting. Types PA-1, PA-3 and 500B supplied with pilot light, switch, fuse, cord, plug and receptacle. All are for 110-120 v., 50-60 cycle AC. All except BU types in gray wrinkle finish metal cases.

Stock No.	Mfr's Type	Output			Size	Wt., Lbs.	NET EACH
		Volts	Amps	KVA			
62 G 583	100BU	0-132	1.25	0.165	2 1/4 x 2 1/4"	2	8.50
62 G 584	PA-1	0-132	1.25	0.165	3 1/2 x 3 1/4 x 3 1/2"	6	13.50
62 G 585	PA-3	0-140	3	0.400	6 1/2 x 6 1/4 x 5 1/2"	10	18.75
62 G 580	300BU	0-140	3.0	0.400	3 1/4 x 3 1/4"	6	12.50
62 G 581	500B	0-140	7.5	1.0	6 1/2 x 4 3/8"	10	23.00
62 G 582	500BU	0-140	7.5	1.0	5 x 4 3/8"	10	18.00

Stancor TV Transformers



EXACT-REPLACEMENT TV HORIZONTAL OUTPUT TRANSFORMERS

A complete line of top-quality replacement flyback transformers for all standard television receivers. Every transformer faithfully duplicates all of the electrical and physical characteristics of the original manufacturer's unit. Manufacturer's own specifications are used; performance is

identical in every respect. No alterations are required in the existing circuit or chassis for installation. Carefully constructed of high-quality materials to assure exceptional dependability. No. 7711 except where 6CD6 horizontal output tube is used. Av. shpg. wt., 1 lb.



ADMIRAL

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 210	A-8128	79C23-3, 79C28-1	6.88
64 G 211	A-8133	79C30-1/-3	9.89
64 G 551	A-8254	79C30-2/-4, 79D38-1	8.96
64 G 213	A-8134	79C60-1	5.59
64 G 214	A-8255	79C60-2/-3	5.83
64 G 460	HO-265	79C70-1	7.64
64 G 572	A-8135	79D41-1/-2	7.35
64 G 212	A-8253	79D48-1	7.06
63 G 459	A-8292	79D65-1	7.17
61 G 204	HO-301	79D65-2/-4	7.79
61 G 205	HO-304	79D77-2	5.31
63 G 290	HO-317	79B77-6	5.31
63 G 291	HO-318	79D77-6, 79E77-6	5.31
63 G 292	HO-319	79B77, 79D77-7/-22, 79E77-7	6.54
63 G 292	HO-319	79D83-1/-2	6.54

CBS-COLUMBIA

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 331	A-8230	10104/07/08/10/35	7.35
64 G 332	A-8231	10136B/37/38/59	7.35
63 G 463	A-8283	12000841/51	6.92
63 G 464	A-8284	12001051/91	6.53

CROSLLEY

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 222	A-8241	157820	6.36
64 G 223	A-8248	154069/-1, 154990	9.37
64 G 208	A-8263	158481-1/-2/-5	7.57

EMERSON

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 221	A-8131	738047/48/53	5.87
64 G 268	A-8138	738079/84	6.53
64 G 333	A-8232	738067/68/69/73/74/75/82	7.35
61 G 206	HO-294	738103/109	6.53
61 G 207	HO-295	738106/107/111	7.32
61 G 208	HO-296	738119/122/128/129/140	7.50
61 G 247	HO-309	738138/0-A	5.88
61 G 248	HO-310	738142	5.15
61 G 249	HO-311	738155	5.06
61 G 250	HO-312	738160	4.93
61 G 251	HO-313	738162	5.27
61 G 252	HO-314	738169	4.71

GENERAL ELECTRIC

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 546	A-8130*	7711	7.17
64 G 277	A-8262	RTO-131/141/-143-3	6.91
63 G 466	A-8288	RTO-149/1	6.17
63 G 467	A-8289	RTO-151/3	6.31
63 G 471	A-8290	RTO-166/5	6.05
63 G 468	HO-252	RTO-165	6.47
63 G 469	HO-253	RTO-175/87	6.47
63 G 470	HO-254	RTO-175/88	6.47
61 G 209	HO-298	RTO-207	6.69
61 G 210	HO-299	RTO-208	7.06

HOFFMAN

Stock No.	Type	Orig. Mfr's Part No.	NET
61 G 211	A-8137	5035	7.00
61 G 212	HO-285	5158-A	5.64

HOFFMAN (Cont'd)

Stock No.	Type	Orig. Mfr's Part No.	NET
63 G 976	HO-287	5144/45/46/48/49/55	7.18

MAGNAVOX

Stock No.	Type	Orig. Mfr's Part No.	NET
63 G 472	A-8293	360593-2, 360552-1/-2/-2A, 360577/-1	7.60
63 G 473	A-8294	360606/-1	7.06
63 G 474	A-8295	360614-1, 360623/-1	7.06
61 G 253	HO-331	320055-1/61-1/3	7.10
61 G 254	HO-332	360580-1/604-1	6.38
61 G 255	HO-333	360700-1/-2	5.74
61 G 256	HO-334	320811/-1	5.19
61 G 257	HO-335	360739-1/779-1	6.61

MOTOROLA

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 325	A-8224	24C71265/A, 24C721290, 24K792753, 24K701009	9.11
64 G 326	A-8225	24K712193	6.98
64 G 327	A-8226	24K721301/C, 24K721517C	9.11
63 G 971	HO-280	24K739284	8.28
63 G 972	HO-281	24K730902/03/04	8.82
63 G 973	HO-282	24C736487, 24K738699	8.37
61 G 213	HO-293	24C736488	8.57
61 G 127	HO-336	24C739283	2.53
61 G 636	HO-341	Coil only	6.49
61 G 637	HO-342	24C740969/74267G	6.94
61 G 638	HO-343	24C744042	7.06
61 G 639	HO-344	24K748307/7, 754273-2	6.59

MUNTZ

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 281	A-8129	TO-0024	7.17
64 G 559	A-8132	TO-0031	8.82
64 G 283	A-8240	TO-0036	7.06
63 G 436	A-8291	TO-0039	7.06
64 G 278	A-8261	C9.253-1/-2/-E	6.63

PHILCO

Stock No.	Type	Orig. Mfr's Part No.	NET
63 G 438	HO-277	32-8465-2, 32-8509/-2	9.41
64 G 323	A-8222	32-8533/34	7.42
64 G 321	A-8220	32-8565	8.22
63 G 437	HO-276	32-8024-1	8.47

PHILHARMONIC

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 573	A-8136	80-263/7-265/-2	7.47

RCA

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 783	A-8119	21T5	7.00
64 G 784	A-8127	21T1, T3	6.88
63 G 969	A-8252	225T1	6.53
63 G 441	HO-256	235T1	6.47
64 G 789	A-8235	75519, 75585, 76381	5.38
64 G 787	A-8233	76430, 76795	7.35
64 G 788	A-8234	76501	4.68
64 G 221	A-8131	74951	5.87
61 G 214	HO-280	104236, 972440-3	6.24
61 G 215	HO-290	104481, 973432-1	6.05
64 G 786	A-8244	78201, 78810	6.61

Sylvania

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 328	A-8227	241-0003	5.53
64 G 329	A-8228	241-0005/-0006	5.53
64 G 330	A-8229	241-0007	5.59
63 G 443	HO-259	241-0011	6.47
61 G 258	HO-320	241-0046	5.66

Travler

Stock No.	Type	Orig. Mfr's Part No.	NET
61 G 266	HO-323	TR-24	6.96
61 G 267	HO-324	TR-27	6.54
61 G 268	HO-325	TR-28	6.90

Westinghouse

Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 285	A-8237	V9904-1/-2, V10213-1, V-10214-1, V-9904-2, V-10204	6.76
64 G 284	A-8236	V-11548-1/-2/-3/-4	6.66
61 G 269	HO-339	493V004M02/3/4	8.82
61 G 270	HO-340	493V003M03	8.40

Zenith

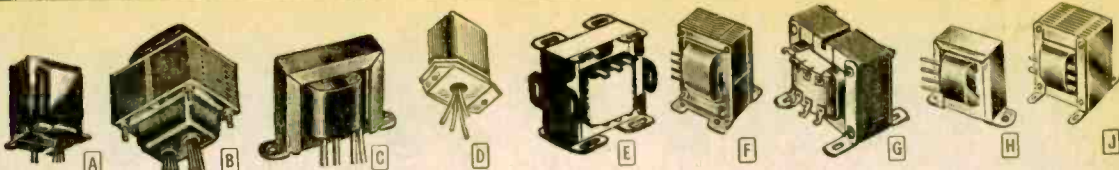
Stock No.	Type	Orig. Mfr's Part No.	NET
64 G 287	A-8267	S-15911/12, 16566, S-17130/40, 17233, S-17245/265/435, S-17646/767/811, S-17922/-20908	7.06
64 G 288	A-8268	S-15015/207/709, S-15710/-16006, S-16191/204, S-17244/699/X, S-20866	7.06
64 G 289	A-8269	S-18487/537/802	7.06
64 G 290	A-8270	S-18567/990, S-19728	6.53
64 G 291	A-8271	S-19032/71	6.53
63 G 444	HO-267	S-20099	7.19
63 G 445	HO-268	S-23049	6.88
63 G 447	HO-270	S-18125	5.09
63 G 448	HO-271	S-22451, S-23438	6.53
61 G 217	A-8276	S-22154	5.94

TELEVISION POWER TRANSFORMERS

Quality power transformers for replacement use in standard TV receivers. Designed to supply high voltage (plates), rectifier and filament voltages. Plate windings are C.T. Leads are stripped, tinned and color-coded to E.I.A. standards. *With copper shorting band to reduce external magnetic field. For 117 v., 60 cycle AC, except Type P-5059, which has primary designed for 117/107 v. operation. Types P-8355 and P-8356 are similar to Fig. A on following page.



Stock No.	Mfr's Type	Plate		Rect.		Filaments		Overall Size	Lbs.	NET EACH
		V	Ma	V	A	V	A			
63 G 429	P-5059	675	200	5	3.6	3 CT	7.0	4 1/2 x 3 1/2 x 4 1/2	9 1/2	13.06
63 G 430	P-6315	740	275	5	3.6	3 CT	5.0	4 1/2 x 3 1/2 x 4 1/2	9 1/2	13.68
64 G 576	P-8159*	720	250	5	3.6	3.6/3.6/3	2.8/8.6	5 1/2 x 3 1/2 x 4 1/2	10	17.29
64 G 577	P-8160	720	185	5	3.6	4.5	2.8	4 1/2 x 3 1/2 x 4 1/2	10	16.23
64 G 578	P-8161*	600	225	5	3.6	3.9	9.0	4 1/2 x 3 1/2 x 4 1/2	7 1/2	15.88
63 G 458	P-8166*	680	330	5	6.6	6.3/6.3/6.3	2.5/5.0/5.0	6 1/2 x 3 1/2 x 4 1/2	13	19.30
63 G 580	P-8167*	560	400	5	6.6	6.3/6.3	2.0/9.0	6 1/2 x 3 1/2 x 4 1/2	13	19.27
64 G 583	P-8169*	760	220	5	6.6	6.3/6.3/6.3	1.2/5/7	4 1/2 x 3 1/2 x 4 1/2	10 1/2	16.77
63 G 431	P-8170*	760	220	5	6.6	6.3/6.3/6.3	1.2/5/7	4 1/2 x 3 1/2 x 4 1/2	10 1/2	16.31
64 G 599	P-8171*	550	225	5	6.6	6.3/6.3	2.0/9.0	5 1/2 x 3 1/2 x 4 1/2	10 1/2	17.64
63 G 449	P-8172	540	200	5	3.6	3	8.5	4 1/2 x 3 1/2 x 4 1/2	7	13.85
64 G 413	P-8331*	620	240	5	6.6	6.3/6.3	6.4/3	4 1/2 x 3 1/2 x 4 1/2	9	14.12
64 G 415	P-8333*	590	225	5	6.6	6.3/6.3	11.4/9	4 1/2 x 3 1/2 x 4 1/2	10	14.93
64 G 416	P-8334*	550	305	5	6.6	6.3/6.3	8.5/1.2	5 1/2 x 3 1/2 x 4 1/2	13	16.46
64 G 417	P-8335*	600	325	5	6.6	6.3/6.3	8.5/1.5	5 1/2 x 3 1/2 x 4 1/2	13	17.00
64 G 419	P-8337	630	255	5	6.6	3	8.25	4 1/2 x 3 1/2 x 4 1/2	8 1/2	14.09
64 G 421	P-8339	650	255	5	6.6	3	5.25	4 1/2 x 3 1/2 x 4 1/2	8 1/2	13.93
64 G 422	P-8340*	710	270	5	6.6	6.3/6.3/6.3	9.5/1.65/4.2	5 1/2 x 3 1/2 x 4 1/2	12	18.40
64 G 424	P-8342*	730	260	5	6.6	6.3/6.3	8.85/1.2	5 1/2 x 3 1/2 x 4 1/2	12	18.40
63 G 428	P-8352*	580	240	5	6.6	3	5.25	4 1/2 x 3 1/2 x 4 1/2	8 1/2	13.50



POWER TRANSFORMERS

For 6.3 Volt Tubes. All transformers have center-tapped 6.3 volt winding except PS-8415, PS-8416, PC-8414, PC-8418, PC-8419, PC-8420, PM-8419, PM-8420 and for selenium rectifier. All are Figure B, except V filament rectifiers and for selenium rectifier. All are Figure B, except V filament rectifier and for selenium rectifier. All are Figure B, except V filament rectifier and for selenium rectifier. All are Figure B, except V filament rectifier and for selenium rectifier.

Stock No.	Mfr's Type	Plate VCT	Ma	5V @	6.3V @	Size	Wt., Lbs.	NET EACH
64 G 067	PS-8415*	125	50	1.0A	2 1/4 x 3 1/4 x 2 1/4	1 1/4	2.32	
64 G 078	PA-8421*	250	25	2.0A	2 1/4 x 3 1/4 x 1 1/4	1	3.76	
64 G 076	PS-8416*	460	50	2.5A	3 1/4 x 2 1/4 x 2 1/4	2 1/4	4.70	
64 G 074	PC-8418*	470	40	2A	2 1/4 x 3 x 2 1/4	2 1/4	5.65	
64 G 154	PM-8401	470	40	2A	2 1/4 x 3 x 2 1/4	2 1/4	5.65	
64 G 176	PC-8401	470	40	2A	2 1/4 x 3 x 2 1/4	2 1/4	5.65	
64 G 170	PM-8402	480	55	2A	2 1/4 x 3 x 2 1/4	2 1/4	5.42	
64 G 177	PC-8402	480	55	2A	2 1/4 x 3 x 2 1/4	2 1/4	5.38	
64 G 175	PM-8410*	480	70	3.0A	2 1/4 x 2 1/4 x 3	2 1/4	5.41	
64 G 215	PC-8419*	480	70	3.0A	2 1/4 x 2 1/4 x 3	2 1/4	5.41	
64 G 167	PM-8420*	520	90	4.0A	3 1/4 x 2 1/4 x 3 1/4	3 1/4	6.56	
64 G 168	PC-8420*	520	90	4.0A	3 1/4 x 2 1/4 x 3 1/4	3 1/4	6.29	
64 G 171	PC-8403	500	70	2A	2 1/4 x 3 1/4 x 3 1/4	3 1/4	6.23	
64 G 178	PC-8403	500	70	2A	2 1/4 x 3 1/4 x 3 1/4	3 1/4	6.23	
64 G 179	PC-8404	520	90	2A	3 1/4 x 3 1/4 x 3 1/4	4	6.91	
64 G 160	PM-8404	520	90	2A	3 1/4 x 3 1/4 x 3 1/4	4	6.91	
64 G 172	PM-8405	540	120	3A	3 1/4 x 3 1/4 x 3 1/4	5	9.01	
64 G 183	PC-8405	540	120	3A	3 1/4 x 3 1/4 x 3 1/4	5	9.01	
61 G 133	P-6358*	600	65	2.7A	3 1/2 x 2 1/2 x 1 1/2	3	8.84	
61 G 237	PM-8423	600	90	2A	3.5A	3 1/2 x 2 1/2 x 3 1/2	3 1/2	7.97
64 G 155	PM-8407	650	55	2A	2 1/4 x 3 x 3 1/4	2 1/4	5.88	
64 G 157	PM-8406	650	40	2A	2 1/4 x 3 x 3 1/4	2 1/4	5.64	
64 G 217	PC-8406	650	40	2A	2 1/4 x 3 x 3 1/4	2 1/4	5.64	
64 G 184	PC-8406	650	55	2A	2 1/4 x 3 x 3 1/4	3 1/4	5.88	
64 G 164	PC-8408	680	70	2A	2.5A	3 1/4 x 2 1/4 x 3 1/4	4	7.35
64 G 156	PM-8408	680	70	2A	2.5A	2 1/4 x 3 1/4 x 3 1/4	4	7.35
64 G 158	PM-8409	700	90	2A	3.0A	2 1/4 x 3 1/4 x 3 1/4	4 1/2	7.76
64 G 185	PC-8409	700	90	2A	3.0A	3 1/4 x 3 1/4 x 3 1/4	4 1/2	7.76
64 G 159	PM-8410	720	120	3A	3.5A	3 1/4 x 3 1/4 x 3 1/4	5 1/2	8.81
64 G 186	PC-8410	720	120	3A	3.5A	4 1/4 x 3 1/4 x 3 1/4	5 1/2	8.81
64 G 173	PM-8411	750	150	3A	4.5A	3 1/4 x 3 1/4 x 4 1/4	6	12.30
64 G 187	PC-8411	750	150	3A	4.5A	4 1/4 x 3 1/4 x 3 1/4	8 1/4	12.33
64 G 161	PM-8412	800	200	3A	5.0A	4 1/4 x 4 1/4 x 3 1/4	8 1/4	12.30
64 G 163	PC-8412	800	200	3A	5.0A	4 1/4 x 4 1/4 x 3 1/4	8 1/4	12.30
64 G 162	PC-8413	1200	200	3A	3.0A	4 1/4 x 4 1/4 x 3 1/4	8 1/4	14.46

FILTER CHOKES

All ratings are with maximum DC in winding. †Fig. C with leads. All are rated 1500 v. rms. except *2000, †3000, ‡2500. Types C2690 and C2691 have dual windings; first rating series, second rating parallel.

Stock No.	Type	Flt.	Hys.	Ma.	Ohms	Size	Lbs.	NET
64 G 057	C1001†	C	10.5	110	225	2 1/4 x 2 1/4	2 1/2	3.52
64 G 056	C1002†	C	15.0	75	400	2 1/4 x 3 1/4 x 2 1/4	1 1/2	2.82
64 G 055	C1003†	C	16.0	50	580	2 3/4 x 1 1/4	1 1/2	2.13
64 G 065	C1080	C	3.5	50	200	1 1/4 x 2 1/4 x 1 1/4	3/4	1.62
64 G 075	C1279	C	8.5	50	400	1 1/4 x 2 1/4 x 1 1/4	3/4	1.62
64 G 067	C1355	E	8.0	75	290	2 1/4 x 2 1/4 x 1 1/4	1	2.60
64 G 063	C1410†	A	4.0	175	100	3 1/4 x 2 1/4 x 2 1/4	2 1/2	4.45
64 G 466	C1411†	A	4.5	200	80	3 1/4 x 3 1/4	3 1/2	5.56
64 G 465	C1412†	A	4.0	250	60	3 1/4 x 3 1/4	2 1/2	6.82
64 G 068	C1420	A	16.0	80	360	3 1/4 x 2 1/4 x 2 1/4	2 1/2	4.55
64 G 465	C1421†	A	7.0	140	165	3 1/4 x 2 1/4 x 2 1/4	2 1/2	4.55
64 G 058	C1519	C	20.0	15	300	1 1/4 x 2 1/4 x 1 1/4	1	2.10
64 G 050	C1706	C	4.5	50	300	1 1/4 x 2 1/4 x 1 1/4	3/4	1.25
64 G 051	C1707	C	7.0	50	550	1 1/4 x 2 1/4 x 1 1/4	3/4	1.39
64 G 052	C1708	C	13.0	65	500	2 3/4 x 1 1/4	1	2.35
64 G 053	C1709	C	8.0	85	250	2 3/4 x 1 1/4	1 1/4	2.35
64 G 054	C1710	C	7.0	150	200	2 1/4 x 2 1/4	2 1/4	3.53
64 G 069	C1721†	F	8.5	200	120	3 1/4 x 3 1/4	4 1/2	7.35
64 G 456	C1722†	F	8.0	300	80	3 1/4 x 3 1/4 x 3 1/4	7 1/2	10.82
64 G 059	C2303*	C	2.5	130	100	2 3/4 x 1 1/4	1	2.20
64 G 060	C2304	C	2.3	150	60	2 3/4 x 1 1/4	1	2.20
64 G 061	C2305	D	5.0	100	300	2 1/4 x 2 1/4 x 2 3/4	1 1/2	3.38
64 G 064	C2308†	C	3.0	150	90	4 1/4 x 3 1/4	7 1/2	10.82
64 G 457	C2309*	C	3.0	150	90	3 1/4 x 3 1/4 x 2 1/4	1 1/2	2.52
64 G 458	C2325	C	2.0	200	60	3 1/4 x 2 1/4 x 2 1/4	2	2.79
64 G 459	C2326	C	1.0	300	43	3 1/4 x 2 1/4 x 2 1/4	1 1/2	2.84
64 G 073	C2327	C	1.5	200	85	1 1/4 x 2 1/4 x 1 1/4	3/4	1.76
64 G 458	C2328	C	8	375	25	1 1/4 x 2 1/4 x 2 1/4	1 1/2	3.53
64 G 459	C2334	C	2.8	300	60	2 1/2 x 2 1/4	2 1/2	3.46
61 G 243	C2343	C	75	300	32	1 1/4 x 2 1/4 x 1 1/4	3/4	1.48
61 G 244	C2344	C	1.5	10	85	1 1/4 x 2 1/4 x 1 1/4	3/4	1.10
61 G 245	C2345	C	350	5	5600	2 1/4 x 2 1/4 x 1 1/4	1 1/2	3.01
61 G 246	C2346	C	35	15	1800	1 1/4 x 2 1/4 x 1 1/4	3/4	1.69
61 G 238	C2685†	G	.035	2A	75	2 1/4 x 2 1/4 x 2 1/4	2	3.48
61 G 239	C2686†	G	.025	4A	425	3 1/4 x 2 1/4 x 2 1/4	3 1/2	5.93
61 G 240	C2687†	G	.01	8A	15	3 1/4 x 3 1/4 x 3 1/4	5 1/2	7.80
61 G 241	C2688†	G	.01	12.5A	11	3 1/4 x 3 1/4 x 3 1/4	6	8.99
61 G 242	C2689†	G	.005	25.2A	0.3	3 1/4 x 4 1/4 x 3 1/4	12	13.18
61 G 137	C2690	J	3-0.75	1.25A	3-0.75	3 1/4 x 2 1/4 x 3 1/4	5	7.86
61 G 138	C2691	J	08-02	25-5A	0.6-0.15	3 1/4 x 3 1/4 x 3 1/4	7	10.01
61 G 139	C2704	C	9	125	250	2 1/4 x 3 1/4 x 2 1/4	2 1/2	3.01
61 G 140	C2705	A	10	200	150	3 1/4 x 3 1/4 x 3 1/4	3 1/4	7.09
61 G 141	C2706	A	2.6	310	50	3 1/4 x 2 1/4 x 3 1/4	3 1/4	5.94

A TYPE P-8195 TRANSISTOR INVERTER TRANSFORMER

61 G 182. For 200 v. DC @ 150 ma fixed (117 v. 60 cycle AC), or mobile (12 v. DC) transistorized power supply. Schematic included. Also has secondary for 12.6 v. AC @ 3 amps when used with 117 v. primary. NET 13.56 only. Mtg. ctrs. 2 1/2 x 2 1/2". Height, 3 1/2". 6 lbs.

DEFLECTION YOKES

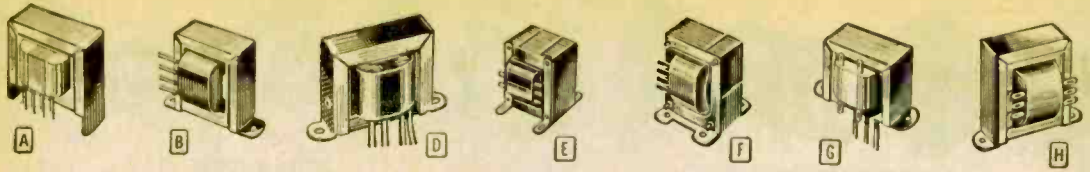
For 70° deflection picture tubes, except for 50°, 400°, 110°. All have ferrite cores and cosine-wound distributed windings for anti-astigmatism focusing. Most units have networks and extra-long leads. Av. shpg. wt. 1 1/2 lbs.

Stock No.	Type	Horizontal	Vertical	NET
64 G 538	DY-1A†	8.3 mh, 13.5 ohms	50 mh, 66 ohms	7.54
64 G 595	DY-2A	10.3 mh, 14.5 ohms	50 mh, 62 ohms	7.22
64 G 539	DY-8A	8.5 mh, 14.5 ohms	50 mh, 55.5 ohms	7.22
64 G 590	DY-9A	13.5 mh, 17.5 ohms	50 mh, 53.5 ohms	8.40
64 G 589	DY-10A	30.0 mh, 45 ohms	3.5 mh, 3.5 ohms	7.22
64 G 596	DY-11A	20 mh, 31 ohms	50 mh, 50 ohms	8.89
64 G 597	DY-12A	30 mh, 41 ohms	50 mh, 50 ohms	8.01
63 G 481	DY-13A†	12.5 mh, 15 ohms	48 mh, 52 ohms	10.17
64 G 370	DY-14A	30 mh, 45 ohms	3.5 mh, 3.5 ohms	7.59
64 G 371	DY-15A	25 mh, 35 ohms	40 mh, 50 ohms	7.88
63 G 482	DY-16A†	20 mh, 26 ohms	44 mh, 45 ohms	9.17
63 G 487	DY-21A	14.5 mh, 10 ohms	3.1 mh, 3.5 ohms	7.44
63 G 489	DY-22A	20 mh, 27 ohms	45 mh, 43 ohms	8.53
63 G 490	DY-25A†	24 mh, 46 ohms	11 mh, 11 ohms	7.59
63 G 498	DY-27A†	17.5 mh, 35.5 ohms	12.3 mh, 13.5 ohms	10.24
61 G 271	DY-28A	24 mh, 36 ohms	3.2 mh, 3.4 ohms	6.91
61 G 272	DY-29A	24 mh, 36 ohms	3.2 mh, 3.4 ohms	7.01
61 G 273	DY-30A	24 mh, 36 ohms	3.2 mh, 3.4 ohms	7.25
61 G 274	DY-31A†	24 mh, 44.2 ohms	4.2 mh, 4.2 ohms	8.65
61 G 275	DY-32A†	24 mh, 34 ohms	42 mh, 42 ohms	8.53
61 G 276	DY-33A†	30.5 mh, 34 ohms	43 mh, 50 ohms	6.86
61 G 277	DY-34A†	30 mh, 45 ohms	47 mh, 42 ohms	7.35
61 G 278	DY-35A†	20 mh, 28 ohms	45 mh, 45 ohms	6.89
61 G 280	DY-37A†	24 mh, 43 ohms	40 mh, 37 ohms	9.08
61 G 281	DY-37A†	20 mh, 28 ohms	45 mh, 45 ohms	8.13
61 G 282	DY-38A†	20 mh, 38 ohms	34.4 mh, 34 ohms	8.78
61 G 281	DY-39A†	13 mh, 22 ohms	40 mh, 41 ohms	7.94
61 G 283	DY-40A†	12 mh, 17 ohms	40 mh, 39 ohms	9.70
61 G 284	DY-41A	13.3 mh, 20 ohms	41 mh, 54 ohms	8.64
61 G 285	DY-42A†	30.4 mh, 47.2 ohms	34 mh, 34 ohms	8.54
61 G 286	DY-43A†	24 mh, 31 ohms	3.3 mh, 3.0 ohms	11.04
61 G 287	DY-44A†	18.5 mh, 31 ohms	34 mh, 34 ohms	8.82
61 G 288	DY-45A†	18.6 mh, 35 ohms	14.8 mh, 13.8 ohms	12.97
61 G 120	DY-47A	8.2 mh, 19.7 ohms	41 mh, 72 ohms	8.00
61 G 121	DY-48A	14 mh, 33 ohms	29 mh, 60 ohms	6.76
61 G 122	DY-49A	44 mh, 110 ohms	38 mh, 80 ohms	8.41
61 G 123	DY-50A	12 mh, 28 ohms	33 mh, 83 ohms	9.29

FIXED-IMPEDANCE OUTPUT TRANSFORMERS

Transformers for single-ended or push-pull tube output stages matching 500 or voice-coll. Center-tapped primaries are for push-pull. All transformers are Fig. C mounting type

Stancor Transformers



TRANSISTOR TRANSFORMERS

*Maximum primary DC current (for each half of primary if center-tapped). †Type TA-14 has two secondaries, 10 ohms series, 4 ohms parallel. Types TA-61 and P-8196 are for Motorola hi-fi stereo amp. ‡Similar to D on preceding page. †††A on preceding page. *Similar to D on preceding page but with threaded mtg. studs. †††B on preceding page. Average shgp. wt., 3 oz. except: TA-13, 1½ lbs.; TA-14, 6¼ lbs.; TA-17, 3 lbs.; TA-57 and 60 1 lb.; TA-61 and 62 12 oz.; TP-1, 2¼ lbs.; P-8196, 4½ lbs.

INPUT TRANSFORMERS

Stock No.	Mfr's Type	Fig.	Pri. Imp. Ohms	Sec. Imp. Ohms	MA*	Max. Watts	Size (H.W.D.)	NET EACH
63 G 952	TA-1	D	600 CT	10	20	.05	1½x1½x1½"	1.89
63 G 857	TA-15	D	50-100	10	50	5mw	1½x1½x1½"	1.47
63 G 860	TA-18	A	30 CT	50K		.150	2½x1½x1½"	3.65
63 G 889	TA-47	A	1K CT	200K CT		.300	3½x1½x1½"	3.65
61 G 129	TA-55	D	500K	200 CT		.300	3½x1½x1½"	4.16

OUTPUT TRANSFORMERS

Stock No.	Mfr's Type	Fig.	Primary	Secondary	MA*	Max. Watts	Size (H.W.D.)	NET EACH
63 G 959	TA-8	D	9800	15	2	.05	1½x2½x1½"	4.24
63 G 960	TA-9	D	1000	4/8/16	10	.2	2½x1½x1½"	4.86
63 G 961	TA-10	D	2K CT	4/8/16	10	.2	2½x1½x1½"	5.32
63 G 962	TA-11	D	48 CT	8/16	275	5	2x3½x1½"	3.65
63 G 963	TA-12	D	20 CT	8	500	10	1½x2½x1½"	1.89
63 G 965	TA-14	D†	24 CT	16/4CT	200	10	4½x1½x3½"	10.06
63 G 862	TA-20	A	350 CT	4/8/16		.150	2½x1½x1½"	3.65
63 G 863	TA-21	A	500 CT	4/8/16		.150	2½x1½x1½"	3.65
63 G 865	TA-23	A	600 CT	4/8/16		.150	2½x1½x1½"	3.65
63 G 867	TA-25	A	825 CT	4/8/16		.150	2½x1½x1½"	3.65
63 G 868	TA-26	A	1250	4/12		.150	2½x1½x1½"	3.65
63 G 871	TA-29	A	2500	¼/16		.150	2½x1½x1½"	3.65
63 G 875	TA-33	A	10K CT	4/8/16		.150	2½x1½x1½"	3.65
63 G 879	TA-37	A	400 CT	11		.150	2½x1½x1½"	3.65
63 G 881	TA-39	A	100 CT	4/8/16		.300	1½x1½x1½"	3.65
63 G 882	TA-40	A	150	4/8/16		.300	1½x1½x1½"	3.65
63 G 883	TA-41	A	400 CT	4/8/16		.300	1½x1½x1½"	3.65
63 G 884	TA-42	A	500 CT	4/8/16		.300	1½x1½x1½"	3.65
63 G 885	TA-43	A	700 CT	4/8/16		.300	1½x1½x1½"	3.65
63 G 886	TA-44	A	2500	4/8/16		.300	1½x1½x1½"	3.65
63 G 887	TA-45	A	3000	4/8/16		.300	1½x1½x1½"	3.65
63 G 479	TA-56	H	48 CT	3/2/8/16	10		2½x2½x2"	3.04
61 G 130	TA-57	B	10 CT	3/2/8/16	500	10	2½x2½x2"	2.99
61 G 132	TA-60	D**	125 CT	8	50	1.5	1½x1½x1½"	4.11
61 G 640	TA-62	D	25	4	400	4	1½x2½x1½"	1.83

INTERSTATE TRANSFORMERS

Stock No.	Mfr's Type	Fig.	Primary	Secondary	MA*	Max. Watts	Size (H.W.D.)	NET EACH
63 G 953	TA-2	D	100 CT	10 CT	100	.25	1½x2½x1½"	1.89
63 G 954	TA-3	D	100	1K CT	100	.25	1½x2½x1½"	2.49
63 G 955	TA-4	D	500 CT	5K CT	100	.03	1½x2½x1½"	1.89
63 G 861	TA-19	A	100 CT	10 CT	100	.150	2½x1½x1½"	3.65
63 G 864	TA-22	A	500 CT	50		.150	2½x1½x1½"	3.65
63 G 866	TA-24	A	500 CT	50K		.150	2½x1½x1½"	3.65
63 G 869	TA-27	A	1200	20K CT		.150	2½x1½x1½"	3.65
63 G 870	TA-28	A	1500	500 CT		.150	2½x1½x1½"	3.65
63 G 872	TA-30	A	5K CT	7500 CT		.150	2½x1½x1½"	3.65
63 G 873	TA-31	A	5K CT	10K CT		.150	2½x1½x1½"	3.65
63 G 874	TA-32	A	5K CT	80K CT		.150	2½x1½x1½"	3.65
63 G 876	TA-34	A	10K	200 CT		.150	2½x1½x1½"	3.65
63 G 877	TA-35	A	10K	2K CT		.150	2½x1½x1½"	3.65
63 G 878	TA-36	A	10K	3K CT		.150	2½x1½x1½"	3.65
63 G 880	TA-38	A	500 CT	150 CT		.150	2½x1½x1½"	3.65
63 G 898	TA-46	A	100K	1500 CT		.300	3½x1½x1½"	3.65
63 G 477	TA-52	D	500 CT	500 CT		.150	1½x1½x1½"	2.99
61 G 128	TA-53	A	5000 CT	45000 CT		.150	1½x1½x1½"	3.16
61 G 299	TA-54	A	20000	800 CT		.150	4½x2½x1½"	2.89

DRIVER TRANSFORMERS

Stock No.	Mfr's Type	Fig.	Primary	Secondary	MA*	Max. Watts	Size (H.W.D.)	NET EACH
63 G 956	TA-6	D	1000	200 CT	10	.05	1½x1½x1½"	4.70
63 G 957	TA-7	D	2000	200 CT	5	.05	1½x1½x1½"	5.32
63 G 958	TA-6	D	100	100 CT	100	.5	1½x2½x1½"	1.89
63 G 964	TA-13	D†	200 CT	400 CT	10	.6	3x2½x2½"	4.02
63 G 858	TA-16	D	20	36 CT	400	3	1½x2½x1½"	1.70
61 G 131	TA-58	D	100	200 CT	200	.5	1½x2½x1½"	2.13
63 G 478	TA-59	D	500 CT	200 CT		.5	1½x2½x1½"	3.37
61 G 641	TA-61	D††	1:1 ratio ea. Pri. to 2-Secs.				1½x2½x1½"	2.55

MODULATION TRANSFORMER

63 G 859	TA-17	A††	8CT	7.5K/5K/120	120	35	3½x3x2½"	6.36
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POWER TRANSFORMERS—117-V. AC PRIMARY

Stock No.	Type	Fig.	Description	Size	EACH
63 G 966	TP-1	A††	2 Secs. each 13 or 18 v. AC, 900 ma. DC. For bridge rects.	3x3x2½"	4.86
61 G 642	P-8196	A††	Sec: 80 VCT; 1.2 A. @ 45 v. DC	3½x2½x3½"	6.42

FILAMENT TRANSFORMERS

Single-secondary filament transformers. All are center-tapped except Type P6469 and Type P8190. Type P8191 designed for filament isolation, has 6.3 v. primary and secondary. All others, 117 v., 60 cycle, AC. *Illustrated on preceding page.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Insul.	Mtg. Ctrs.	Wt. Lbs.	NET EACH
64 G 141	P6133	E	2.5	5.0	7500	2½"	1½	3.72
64 G 301	P3060	E	2.5	10.0	10K1V	2½x1½"	2½	6.59
64 G 262	P6467	E	5.0	3.0	2500	2½"	1½	3.14
64 G 255	P3002	E	5.0	6.0	2500	2x2½"	2½	5.04
61 G 235	P6433	E	5 CT	15	2500	2x2½"	3	7.01
61 G 234	P6432	E	5 CT	21	2500	2½x2½"	4	8.16
64 G 888	P6492	A*	5.0	30.0	2500	3x2½x1½"	3½	10.72
61 G 134	P6464	A*	6.3 CT	10	2000	2x2½"	1½	6.80
64 G 887	P6465	D	6.3	.6	1500	2"	2	3.62
64 G 308	P6134	D	6.3	1.2	3000	2½"	1	2.06
64 G 584	P8190	D	6.3	1.2	5000	2½"	1	2.70
64 G 585	P8191	D	6.3	1.2	5000	2½"	1	2.91
61 G 230	P6428	A*	6.3	1.75	2500	2x1½"	1	6.08
64 G 263	P6466	D	6.3	3.0	2500	2½"	1½	5.32
61 G 232	P6430	A*	6.3 CT	3.0	2500	2x1½"	2½	3.39
64 G 309	P5014	E	6.3	3.0	2500	2x1½"	2	4.58
61 G 231	P6429	A*	6.3	3.5	2500	2½x2½"	4½	8.26
64 G 584	P8190	A*	6.3	4.0	2500	2x1½"	2½	4.94
64 G 264	P4089	A*	6.3	6.0	2500	2½x2½"	3½	6.49
64 G 312	P3064	E	6.3	6.0	2500	2x2"	4½	5.31
61 G 233	P6431	A*	6.3 CT	6.0	2500	2x2½"	4½	8.17
64 G 313	P6308	F	6.3	10.0	2500	2½x2½"	3	6.66
64 G 265	P6309	F	6.3	20.0	2500	3x2½"	6½	10.01
64 G 314	P5015	E	7.5	4.0	2500	2x2½"	3	4.65
64 G 257	P5016	E	10.0	4.0	2500	2½x2½"	3½	5.93
64 G 318	P6166	F	10.0	8.0	2500	2½x2½"	5	7.35
64 G 258	P8097	F	10.0	8.0	2500	2½x2½"	5½	7.66
64 G 142	P8130	D	12.6	2.0	1500	2"	1½	3.36
64 G 143	P6469	D	25.2	1.0	2000	2½"	1	3.20
61 G 200	P6456	D	6.3 CT	6.0	2000	3½"	2	3.74

UNIVERSAL OUTPUT TRANSFORMERS

Replacement units for radio and television and other audio applications. Multi-tapped windings match various types of output tubes and circuits such as single-ended and push-pull plates to voice coil or line. All are Fig. G except *Fig. H. All secondaries match voice coil except †500 ohms; †500, 333, 200, 125, 50 ohms. Wt., 1½ lbs.

Stock No.	Mfr's Type	Primary	Watts	Size	NET EACH
64 G 294	A3250S	5K; 10, 20K CT	(15 ma)	2x3½x1½"	4.11
64 G 005	A3822	7-10K		1½x2½x1½"	1.91
64 G 026	A3823	4-14K CT	8	1½x2½x1½"	3.00
64 G 242	A3824	6-15K CT	8	2x3½x1½"	3.23
64 G 002	A3825	1.0-4.5K	8	2x3½x1½"	2.58
64 G 028	A3830*	3-10K CT	20	2½x3½x2½"	4.41
64 G 029	A3841*	2.5, 4, 5, 6, 7K	10	2½x3½x2½"	4.90
64 G 023	A3849	1.5-10K	8	1½x2½x1½"	3.30
64 G 024	A3850*	4-14K CT	8	2x2½x1½"	3.25
64 G 027	A3852*	4-14K CT	18	2½x2½x2"	3.99
64 G 025	A3856	4-14K CT	18	1½x2½x1½"	2.84
64 G 029	A3870	4-14K CT	18	2x3½x1½"	4.07
64 G 292	A3880	4-14K CT	15	2½x3½x2½"	4.30

DRIVER TRANSFORMERS

Single plate (10,000 ohms primary impedance) to push-pull grids. For use between first audio and push-pull output stage. ½x½" core except for A-4752 which has ¾x¾" core. (Fig. D.)

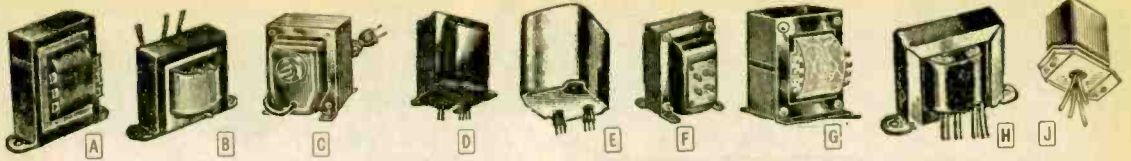
Stock No.	Mfr's Type	Pri. ½ Sec. Ratio	Max. Pri. DC.	Size	Wt. Lbs.	NET EACH
64 G 076	A-473	2:1	30 ma	1½x2½x1½"	1	2.08
64 G 038	A-4723	3:1	30 ma	1½x2½x1½"	1	2.11
64 G 039	A-4752	2/1.5/1:1	40 ma	2x3½x1½"	1½	2.87

SELENIUM RECTIFIER TRANSFORMERS

For low voltage, high current applications. Use with CT or bridge rectifier circuits. For 117 v., 50-60 cycle AC. With wiring chart.

Stock No.	Mfr's Type	Range of AC Volts	Max. DC Output Load Resistive	Capacitive	Size	Wt. Lbs.	NET EACH
64 G 372	RT-201	11.7 to 29.4	11.2v @ 2.0A	13.6v @ 2.0A	3½x2½x3½"	2½	4.97
64 G 373	RT-202	11.7 to 29.4	28.5v @ 1.25A	30.0v @ 1.25A	3½x2½x3½"	4	6.75
64 G 374	RT-204	11.7 to 29.2	12.0v @ 8.0A	14.5v @ 8.0A			

Stancor, Acrosound, Acme Transformers



STANCOR TRANSFORMERS

LINE-TO-VOICE-COIL TRANSFORMERS

For matching speakers to line. Type A3837 is autotransformer for matching parallel speakers to line. Transformers for constant voltage lines are 1140 volt; *70.7 volt; and \$25 volt. †Power taps in watts when connected to appropriate line.

Stock No.	Mfr's Type	Pr. Imp.	Secondary Imp.	Watts	Mtg. Ctrs.	Wt. Lbs.	NET EACH
64 G 087	A3818	A 500/1000/500	15 8/4	25	3 3/4"	2 1/2"	4.82
64 G 088	A3837	A 1500/1000/1500/2000/2500/3000	.06 to 8, 12 to 16 18 to 24, 24 to 32 .30 to 40, 36 to 48 15/8/6/4	15	2 1/2"	1 1/4"	3.93
64 G 098	A3883	A 500	6-8/3.2	8	2 1/2"	3/4"	2.87
64 G 085	A7947	B 2000/1500/1000/500	6-8/3.2	12	2 1/2"	1 1/4"	3.37
64 G 296	A8090*	B 5/4/3/2/1†	8/16	5	2"	1 1/2"	2.85
64 G 297	A8081*	A 10/5/3/7/6†	8/16	10	2"	3/4"	3.10
64 G 298	A8082*	A 15/11/13/12/11†	8/16	15	2 1/2"	1 1/4"	3.59
64 G 643	A8083*	H 2/1/5†	8	2	1 1/2"	3/4"	2.45
64 G 644	A8087*	B 2/1/5†	4/8	5	2"	1 1/2"	2.64
64 G 201	A8095*	B 5/2.5/1.25	4/8	5	2"	1 1/2"	2.64
64 G 202	A8096*	A 6/4/2/1/0.5†	4/8/16	8	2"	3/4"	3.53
64 G 203	A8097*	A 16/8/4/2	4/8/16	16	2 1/2"	1 1/4"	4.23
64 G 645	A8099*	H 2/1/5†	4/8	2	1 1/2"	3/4"	2.45
64 G 089	A8101*	B 500	3.2/6-8	5	2"	1 1/2"	1.73
64 G 091	A8102*	A 8/4/2/1/5†	4/8/16	8	2"	3/4"	3.43
64 G 092	A8103*	A 16/8/4/2/1	4/8/16	16	2 1/2"	1 1/4"	4.85
64 G 099	A8104	A 3000/2000/1500/1000/500	16/8/4	10	2 1/2"	1 1/4"	3.99
64 G 889	A8105*	B 5/2.5/1.25/62/31†	4/8	5	2"	1 1/2"	2.78
64 G 890	A8106*	A 8/4/2/1†	4/8/16	8	2"	3/4"	2.94
64 G 891	A8107*	A 16/8/4/2/1†	4/8/16	16	2 1/2"	1 1/4"	4.64
64 G 886	A8109*	H 2/1/5†	4/8	2	1 1/2"	3/4"	2.45

HIGH-FIDELITY OUTPUT TRANSFORMERS

D Freq. response 20-20,000 cycles ± 1 db at rated watts. Max. power 50 w. except A8098, 15 w. A8072, 25 w. *With screen taps. Size: 4 1/2 x 3 3/4 x 4 1/4" except A8098, 3 1/2 x 2 1/2 x 2 1/4". 3 1/2 lbs. All others, 7 lbs., each.

Stock No.	Mfr's Type	Pr. Imp. (P-P)	Sec. Imp.	Max. Pri. DC	Rated Net	NET EACH
64 G 563	A-8053	5000	8, 16	150 ma	25	13.36
64 G 570	A-8056	6600	8, 16	125 ma	25	13.36
64 G 564	A-8054	9000	8, 16	100 ma	25	13.36
64 G 574	A-8072*	7600	4, 8, 16	100 ma	25	16.27
64 G 183	A-8098	2000	8, 16, 32	140 ma	15	7.98

ISOLATION TRANSFORMERS

Ideal for isolating transformerless (AC-DC type) radios and TV sets from AC power line. *Primary is tapped for 105, 115 and 125 volts; 115-volt secondary with standard outlet. †Has 115-volt primary and tapped secondary with 3 standard outlets for 105, 115 and 125 volts; includes built-in electrostatic shield grounded to core. †115-volt primary and 115-volt secondary; standard outlet. All have line cord and plug.

Stock No.	Type	Watts	Size	Fig.	Lbs.	NET
64 G 449	P-6410*	50	3 1/2 x 2 1/2 x 3 1/2"	C	4	7.77
64 G 443	P-6160*	100	4 1/2 x 4 x 3 1/2"	C	7	14.19
64 G 475	P-6371*	175	5 x 4 1/2 x 3 1/2"	E	9	18.95
64 G 444	P-6415†	350	5 1/2 x 4 1/2 x 3 1/2"	C	17	23.05
64 GU 448	P-6298*	500	7 1/2 x 6 1/2 x 3 1/2"	C	28	42.27

AIR CONDITIONER AUTOTRANSFORMERS

Type PSU-2000. Designed for use with home air conditioners having 1/2 to 1 hp. motors. (1/2 to 1 ton units). Converts 208-volt unit to 230-volt line. Converting a 230-volt unit to 208-volt line is done by a simple change in side the outlet box. Supplied with line cord, standard 250 volt polarized plug, and receptacle. Rated at 2.3 KVA. Size, 3 1/2 x 6 1/2 x 3 1/4". Shpg. wt., 9 lbs.
63 G 967. NET EACH 16.39

Type PSU-3000. Similar to PSU-2000, but designed for larger air conditioners. Supplies enough power to drive a 1 to 2-hp. motor of the type used in 1 to 2 ton conditioners. Converts 208-volt unit to 230 volts, or 230-volt unit to 208. 4 x 6 x 4 1/2". Shpg. wt., 10 lbs.
63 G 968. NET EACH 19.68

OSCILLOSCOPE TRANSFORMER

Type P8178. Designed especially for use in oscilloscopes, cathode ray tube applications, and other types of test equipment. Primary, 117 volts, 60 cycles. Plate, 1800 volts AC at 2 ma. Rectifier filament, 2.5 volts at 1.8 amps. Filament 1, 6.3 volts at 0.6 amps; tapped at 2.5 volts, 2.1 amps. Overall size, 3 1/2 x 3 1/2 x 3 1/2". 4-hole mounting; mtg. centers, 2 1/2 x 2 1/2". Shpg. wt., 5 1/2 lbs.
63 G 274. NET 9.03

INTERCOM AND TRANSCEIVER TRANSFORMERS

Type A-4744 is similar to Fig. H mounting type but with side shells. Types A-8090 and A-8091 are similar to Fig. H but with solder lug secondary connections. Type A-3833 is Fig. H type. Type A-4749 is Fig. J. Type A-3817 modulation and output transformer is designed especially for use in Citizens Band equipment. *3 watts, 18 watts. Type A-3833 is for microphone input or plate to grid. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Application	Imp. Ohms Pri.	Sec.	Size, HWD	NET EA.
61 G 236	A-3817	Transceiver	5000	6750/4	1 1/4 x 2 1/4 x 1 1/2"	2.94
64 G 030	A-4744	V.C. to grid	4	25K	1 1/4 x 2 1/4 x 1 1/2"	1.98
64 G 489	A-8090*	Line to V.C.	45-50	3-4, 6-8	1 1/4 x 2 1/4 x 1 1/2"	1.73
64 G 490	A-8091*	Line to V.C.	45-50	3-4, 6-8	1 1/4 x 2 1/4 x 1 1/2"	2.06
64 G 031	A-3833	Transceiver	100 & 5K	60K	1 1/4 x 2 1/4 x 1 1/2"	2.81
64 G 148	A-4749	Tele. Patch	10K	500	1 1/4 x 2 1/4 x 1 1/2"	4.75

CONTROL TRANSFORMERS

Fig. A, except *Fig. G, 2-section secondary for series or parallel operation. For 115 or 230 v., 50-60 cycle AC.

Stock No.	Mfr's Type	Secondary Parallel	Series	Size	Mtg. Ctrs.	Wt. Lbs.	NET EACH
63 G 276	P6375	6V@2A	12V@1A	2 1/2 x 2 1/2 x 1 1/4"	2 1/2"	1	3.27
63 G 277	P6376	6V@4A	12V@2A	3 1/2 x 3 1/2 x 2 1/4"	2 1/2"	1 1/2	3.71
63 G 278	P6377	12V@1A	24V@2A	3 1/2 x 3 1/2 x 2 1/4"	3 1/4"	2 1/2	4.9
63 G 279	P6378*	12V@1A	24V@4A	3 1/2 x 2 1/2 x 2 1/4"	2 1/2"	1 1/2	7.57
63 G 280	P6379*	12V@16A	24V@8A	4 1/2 x 3 1/2 x 3 1/4"	3 1/2"	2	13.06

POLY-PEDANCE MODULATION TRANSFORMERS

F Match Class "B" modulators to Class "C" load impedances in Amateur and commercial transmitters. Multi-tapped primary and secondary windings match load impedances from 2000 to 20,000 ohms.

Stock No.	Mfr's Type	Max. DC Output Load Primary	Secondary	Watts	Size	Wt. Lbs.	NET EACH
64 G 478	A-3893	180 ma.	180 ma.	60	4 x 3 1/2 x 4 1/4"	7	12.90
64 G 488	A-3894	225 ma.	225 ma.	125	4 1/2 x 4 x 4 1/4"	10	16.25

TUBE CHECKER TRANSFORMER

B Type P-1834-3. Multiple-secondary transformer. Pri.: 125/115/105 v., 60 cycles. Secondary output volts: 1.1/1.4/1.5/2.0/2.5/3.0/3.3/4.0/5.0/6.3/7.0/7.5/12/20/25/30/35/50/70/85/110/117. Mtg. Ctrs. 3 1/4". Size, 2 1/2 x 4 1/2 x 2 1/4". Shpg. wt., 2 1/2 lbs.
64 G 139. NET 9.92

MICROPHONE TRANSFORMERS

Type A4350 is for microphone-to-line or line-to-line. Others for microphone, pickup or line-to-grid. A4350 and A4352 are Fig. G. A4705 is Fig. D, and A4351 is Fig. D, on page 357. *Center-tapped. †Same as primary impedance.

Stock No.	Type	Primary Ohms	Sec. Ohms	Mtg. Ctrs.	Lbs.	NET
64 G 094	A4350	500*/333/200*/125/50	125/50	1 1/2"	1	4.24
64 G 097	A4351	500*/333/200*/125/50	89,000	2 1/4 x 1 1/2"	1 1/2	4.54
64 G 093	A4352	500*/333/200*/125/50	89,000	2 1/4"	1	4.70
64 G 096	A4705	200/70	80,000	2"	1 1/2	2.91

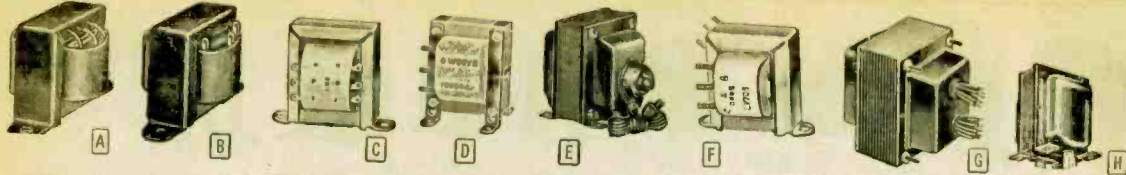
ACME VARIABLE VOLTAGE ADJUSTERS

Type T8394M. Especially designed for use with television sets. Rated 300 watts; used as step-up or step-down transformer to correct for either low or high line voltage. Easily adjusted by manually turning 7-position rotary switch until built-in voltmeter reads 115 volts output. Independent switch positions for 95, 100, 105, 110, 115, 120, 125 volts at 50-60 cycles. Features simple, "plug-in" installation (built-in AC receptacle and 8 ft. line cord) with plug and receptacle. 4 1/2 x 4 x 5 1/2". Shpg. wt., 9 lbs.
62 G 514. NET 11.55

Type T10306. 150-watt constant-duty variable transformer. Adjusted by rotary tap switch. Used as step-up or step-down transformer to correct for either low or high voltage line condition. Calibrated voltmeter indicates secondary voltage. Primary tapped for 65, 75, 90, 100, 115, 130 and 145 volts at 50-60 cycles. Secondary output, 115 v. Non-aging, silicone steel laminations and impregnated coils for low core loss 8-ft. cord with plug and receptacle. 4 3/8 x 3 1/2 x 5 1/4". Mtg. ctrs., 1 1/2 x 1 1/2". Shpg. wt., 7 lbs.
62 G 501. NET 15.75

Allied maintains the world's largest, most comprehensive stocks of transformers and other electronic components. If the transformer you require is not listed here, contact us for price and other information on any type not shown. You will receive a prompt reply.

Knight Transformers and Chokes



Allied's own line of quality transformers and chokes. Built from finest materials to highest standards for peak performance and long life; priced for outstanding value.

FILAMENT TRANSFORMERS

Primaries, 117 v., 50-60 cycle AC. All center-tapped, except †. *107 v. tap on primary. †Has electrostatic shield.

Stock No.	Fig.	V	Amps.	Insul. RMS V	Size	Wt., Lbs.	NET EACH
61 G 478	F	2.5	5.0	5000	2 3/4 x 3 1/2 x 2 1/4	1 3/4	2.86
61 G 474	H	2.5	10.0	2500	3 3/8 x 2 3/8 x 2 1/8	2 1/2	2.06
61 G 475	A	5.0	3.0	2500	2 x 3 1/4 x 2	1 1/2	2.52
61 G 476	A	5.0	6.0	2500	2 3/8 x 3 3/8 x 2 1/4	1 3/4	3.03
61 G 416	A	6.3	0.6	1500	1 3/8 x 2 3/8 x 1 3/8	1/2	1.43
62 G 030	A	6.3	1.0	1500	1 3/8 x 2 1/8 x 1 3/8	3/4	1.50
61 G 419	A	6.3	1.2	3000	1 3/8 x 2 1/8 x 1 3/8	3/4	1.51
62 G 031	A	6.3	3.0	2500	2 x 3 1/4 x 2	1 1/2	2.46
61 G 477	H	*\$6.3	4.0	2500	3 3/8 x 2 3/8 x 2 1/8	2 1/2	2.11
61 G 417	D	6.3	6.0	2500	3 x 2 1/2 x 2 1/4	2 1/2	3.92
61 G 418	D	*6.3	10.0	2500	3 3/8 x 2 3/8 x 2 3/8	3 1/2	4.78
61 G 420	A	12.6	2.0	1500	2 x 3 1/4 x 2 1/8	1 1/2	2.49
61 G 421	A	†25.2	1.0	1500	2 x 3 1/4 x 2 1/8	1 1/2	2.36
61 G 476	A	26.5	0.6	3000	2 x 3 1/4 x 2	1 1/2	2.26

UNIVERSAL OUTPUT TRANSFORMERS

CT primary, except *single-ended output. 6 taps on secondary Match single or push-pull tubes to speaker voice coil. †Fig. C

Stock No.	Primary Impedances	Watts	Mtg. Ctrs.	Lbs.	NET EACH
62 G 023	2000-14,000 ohms	4	2 1/2	1/2	1.77
62 G 021	2000-14,000 ohms	8	2 3/8	1/2	1.99
61 G 452	†2000-14,000 ohms	8	2*	3/4	2.28
62 G 022	†2000-14,000 ohms	18	2 3/8*	1 1/4	2.84
61 G 453	6000-10,000 ohms	8	2 1/2*	1 1/4	2.54
61 G 404	*7000-10,000 ohms	4	2*	1/2	1.37
161 G 454	5K, 10K, 20K ohms	15 ma.	2 1/2*	1	3.04

FIXED-IMPEDANCE OUTPUT TRANSFORMERS

For a wide variety of audio applications. All have center-tapped primary for push-pull operation.

Stock No.	Fig.	Impedance, Ohms	Audio Wtts	Mtg. Ctrs.	Lbs.	NET EACH	
61 G 457	A	4000	8/16/32	7 1/2	3 1/2	3.04	
61 G 455	H	66K	4/8/15/250/500	35	2 1/2 x 2 1/4	5 1/4	7.20
61 G 456	A	25K		4	2*	1 1/2	1.65

FILTER CHOKES

Excellent for receivers, low-power transmitters, etc. 1500 v. rms insulation except *2000 v. †3000 v. †Fig. D. †Fig. H.

Stock No.	Hys.	Ma.	Res., Ohms	Mtg. Ctrs.	Wt., Lbs.	NET EACH
61 G 405	0.8	375	25	3 1/2	1 1/4	2.49
61 G 479	*1.0	300	40	3 1/2	1 1/4	2.44
61 G 480	11.5	10	95	1 1/2	1/4	1.20
61 G 406	1.5	200	60	2 3/8	3/4	1.30
61 G 481	2.0	200	65	3 1/8	1	2.34
61 G 482	2.3	150	60	2 1/2	1 1/4	1.84
61 G 483	*3.0	150	97	3 1/2	1 1/4	2.08
61 G 407	3.5	50	200	2 1/2	1/2	1.18
62 G 135	5.5	50	330	2	1/2	.93
61 G 408	7.0	50	550	2*	1/2	1.03
61 G 484	7.0	150	200	3 3/8	2 1/4	2.94
61 G 485	8.0	85	260	2 1/2	1 1/4	2.06
61 G 136	8.5	50	400	2 3/8	3/4	.98
61 G 409	†8.5	200	140	2 3/8 x 2 1/8	3 1/2	5.40
62 G 139	10.5	110	220	3 1/2	2 1/4	2.49
61 G 486	†12/8/4	100/150/200	145	2 x 1 3/4	2 3/4	3.58
61 G 487	13.0	65	385	2 1/2	1 1/2	1.92
62 G 138	15.0	75	400	3 1/2	1	2.09
62 G 137	16.0	50	550	2 1/2	1 1/2	1.57
61 G 488	†16.0	80	365	2 x 1 3/4	2 3/4	3.84
61 G 489	20.0	15	900	2 3/4	3/4	1.64

Variable Isolation Transformer. Rated 150 watts, 115 v. output; 90-250 v. 50-60 cps input. Mtg. ctrs., 3x3 1/4", 9 lbs.

62 G 080. NET 13.11
61 G 490. As above. Rated 100 watts, 115 v. output; 105-125 v. 50-60 cps input. Mtg. ctrs., 3x2 1/8", 7 1/2 lbs. NET 11.85

MINIATURE INTERCOM AND TRANSCEIVER TRANSFORMERS

*Transceiver input, mike and plate to grid. †Intercom input, VC to grid. †Line to VC. 61 G 493 is Fig. B. Av. shgp. wt., 1/2 lb.

Stock No.	Primary Impedance, Ohms	Secondary	Audio Wtts	Mtg. Ctrs.	NET EACH
61 G 491	*200/5000	60,000	5	2 3/8	2.08
61 G 492	†4	25,000	14	2*	1.65
61 G 493	†45/50	3-4, 6-8	3	2*	1.44

POWER TRANSFORMERS

A complete selection of highly efficient power supply transformers recommended for radio set replacement use, home hobbyists, etc. Fully shielded; heavy-duty 5" flexible coated leads. All plate windings center-tapped, except *half-wave type; for 6AX5, 6X4, 6X5 and similar 6.3 v. filament rectifiers and for selenium rectifier. CT 6.3 v. winding except † has 2-6.3 v. windings not CT. 110-120 volt, 50-60 cycle primaries.

Stock No.	Fig.	VCT	Ma.	6 V at	6.3 V at	Mtg. Ctrs.	Wt., Lbs.	NET EACH
61 G 410	F	*125	15	....	†0.6A	2"	1/2	1.72
61 G 411	A	125	50	....	†2A	3 3/8"	1 1/2	2.78
62 G 008	F	250	25	....	†1A	2 3/8"	1	2.05
61 G 461	H	400	50	....	†2.5A	2 1/2 x 2"	2 3/4	3.87
62 G 034	G	480	40	....	2A	2 1/2 x 2"	2 3/4	3.00
61 G 427	H	480	40	2A	2A	2 1 1/4"	2 3/4	4.00
61 G 462	H	480	55	2A	2A	2 x 1 3/4"	3	4.48
61 G 463	H	480	70	....	†3A	2 x 1 3/4"	3 1/2	5.20
61 G 464	H	500	70	....	2A	2 x 2 1/8"	3 3/4	5.26
61 G 465	H	520	90	....	†4A	2 1/2 x 2 1/8"	4	5.10
61 G 444	G	520	90	2A	3A	2 1/8 x 2 1/8"	4	5.10
61 G 412	H	520	90	2A	3A	2 1/8 x 2 1/8"	5	7.35
61 G 466	H	540	120	3A	3.5A	2 1/2 x 2 1/8"	3 3/4	6.32
61 G 467	G	550	50	2A	2.5A	2 1/2 x 2"	3 1/2	4.34
61 G 468	G	600	70	2A	3A	2 1/2 x 2"	4 1/4	4.34
61 G 469	G	600	120	3A	5A	3 1/8 x 2 1/8"	6	7.90
62 G 041	G	650	40	2A	2A	2 1/2 x 2"	2 1/2	4.16
61 G 413	H	650	40	2A	2A	2 x 1 1/8"	2 1/2	4.16
61 G 470	H	650	55	2A	2A	2 x 2 1/8"	3 1/2	4.96
62 G 042	G	650	70	3A	3.5A	2 1/2 x 2"	4 1/4	4.34
61 G 428	H	650	70	3A	3.5A	2 x 2 3/4"	4 1/4	4.34
61 G 471	G	650	150	3A	5A	3 1/8 x 2 1/8"	7 1/2	7.90
61 G 472	H	680	70	2A	5A	2 1/2 x 2 1/8"	4 1/2	5.78
62 G 043	G	700	90	3A	3.5A	2 1/2 x 2 1/8"	4 1/2	5.75
61 G 429	H	700	90	3A	3.5A	2 1/2 x 2 1/8"	4 1/2	5.75
62 G 044	G	700	120	3A	4.7A	3 1/8 x 2 1/8"	5 3/4	6.76
61 G 430	H	700	120	3A	4.7A	2 1/8 x 2 1/8"	5 1/2	6.75
62 G 045	G	750	150	3A	5A	3 1/8 x 2 1/8"	6 1/2	8.72
62 G 033	G	750	150	3A	5A	2 1/2 x 3 1/8"	6 1/2	8.72
61 G 414	H	800	200	3A	5A	3 1/2 x 3"	8	9.06
61 G 473	H	1200	200	3A	5A	3 x 2 1/8"	7 3/4	9.06
					†3A	3 x 3 1/8"	9 1/2	11.50

STANDARD OUTPUT TRANSFORMERS

For coupling plate of output tube to the speaker voice coil. Designed for class A amplifiers. Secondary Imp., 3.2 ohms, except *3.5, †4 ohms, and †6-8 ohms. †4.5% primary tap. **Fig. F. Shgp. wt., 1/2 lb.

Stock No.	Primary Imp.	Ma	Audio Wtts	Size, H.W.D.	NET EACH
61 G 401	2000	50	3	1 1/4 x 2 1/8 x 1 1/8"	1.02
62 G 065	2000	50	5	1 1/2 x 2 1/8 x 1 1/8"	1.00
61 G 445	*2000	60	5	1 1/2 x 2 1/8 x 1 1/8"	1.48
62 G 062	†2000	60	5	1 1/2 x 2 1/8 x 1 1/8"	1.70
61 G 400	*4000	10	3	1 1/4 x 2 1/8 x 1 1/8"	1.07
				1 1/2 x 2 1/8 x 1 1/8"	1.00
62 G 064	5000	40	3	1 1/4 x 2 1/8 x 1 1/8"	1.07
61 G 403	†5000	40	5	1 1/2 x 2 1/8 x 1 1/8"	1.07
61 G 446	**5000	40	10	2 1/2 x 2 1/8 x 1 1/8"	1.89
61 G 447	†7000	30	5	1 1/2 x 2 1/8 x 1 1/8"	1.25
62 G 052	8000	20	3	1 1/4 x 2 1/8 x 1 1/8"	1.00
61 G 448	†10,000	30	3	1 1/2 x 2 1/8 x 1 1/8"	1.20
61 G 449	†25,000	5	5	1 1/2 x 2 1/8 x 1 1/8"	1.42

AUDIO TRANSFORMERS

Primary ma., 10 maximum. Single plate to PP grid except; *single plate to single grid, †single or PP plate to PP grids. Size, 1/2 x 1/2".

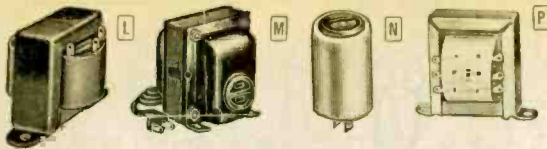
Stock No.	Impedance, Ohms	Turns Ratio	Size	NET EACH	
62 G 062	*7000	20,000	1:3	1 1/2 x 2 1/8 x 1 1/8"	1.47
61 G 415	7000-15K	....	1:3	1 1/2 x 2 1/8 x 1 1/8"	1.74
61 G 458	10,000	40,000 CT	1:2	1 1/2 x 2 1/8 x 1 1/8"	1.74
61 G 459	10,000	90,000 CT	1:3	2 x 3 1/4 x 2"	2.64
61 G 460	†10,000 CT	90,000 CT	1:3	1 1/2 x 2 1/8 x 1 1/8"	2.18

HIGH-FIDELITY PUSH-PULL OUTPUT TRANSFORMERS

For use in high-fidelity audio amplifiers. All have screen taps on primary winding for ultra-linear type operation and have a frequency response flat from 15 to 35,000 cps, except *which do not have screen taps and have a frequency response flat from 20 to 20,000 cps. All have 4, 8 and 16 ohm secondaries. †Maximum DC in each half of primary.

Stock No.	Fig.	Watts	P-P Imp.	†Ma	Size	Wt., Lbs.	NET EACH
62 G 082	J	12	8000	60	3 3/4 x 3 3/4"	3 1/2	7.90
62 G 018	J	*18	8000	65	3 1/2 x 3 1/2"	3 1/2	8.50
62 G 083	K	24	6600	75	4 1/4 x 3 3/4 x 4 1/2"	6 3/4	13.01
62 G 019	K	30	6600	100	4 1/4 x 3 3/4 x 4 1/2"	7	14.01
62 G 024	H	12	8000	60	3 1/4 x 2 3/8 x 2 3/8"	2 1/2	6.76
62 G 058	A	*18	8000	65	2 3/4 x 4 2 1/8"	2 3/4	5.35
62 G 054	H	24	6600	75	3 3/4 x 3 1/4 x 3 7/8"	6	11.35
62 G 059	H	30	6600	100	3 1/2 x 3 1/4 x 4"	6	11.85

Knight, Dynaco and Triad Transformers



KNIGHT TRANSFORMERS

Skilfully constructed line-matching, step-down and isolation transformers; made to rigid specifications and low in cost.

70.7-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8. †High-fidelity type.

Stock No.	Fig.	Watt Taps	Max. Watts	Size	Wt. Lbs.	NET EACH
61 G 440	L	2, 1, 5	*2	1 3/8 x 2 1/2 x 1 1/2"	1/4	1.93
62 G 081	L	5, 2.5, 1.25, .62, .31	*5	1 1/2 x 2 1/2 x 1 1/2"	1/4	1.92
61 G 422	L	8, 4, 2, 1, 0.5	8	2 x 2 1/2 x 1 1/2"	1/4	2.54
62 G 077	L	10, 5, 2.5, 1.25, .62	10	1 3/8 x 2 1/2 x 1 1/2"	1/4	2.41
62 G 078	P	18, 9, 4.5, 2.25, 1.12, .56	18	2 1/2 x 2 1/2 x 1 1/2"	1 1/4	2.95
61 G 450	P	16, 8, 4, 2, 1, 0.5	16	2 1/2 x 2 1/2 x 2 1/2"	1 1/4	3.89
62 G 079	L	12, 6, 3, 1.5, .75	14	2 1/2 x 3 1/2 x 2 1/2"	1 1/4	3.44
61 G 441	L	5, 2.5, 1.25, .625, .31	15	1 3/8 x 2 1/2 x 1 1/2"	1/4	2.53

25-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Stock No.	Fig.	Watt Taps	Max. Watts	Size	Wt. Lbs.	NET EACH
61 G 436	L	2, 1, 0.5	*2	1 3/8 x 2 1/2 x 1 1/2"	1/4	1.89
61 G 437	L	5, 2.5, 1.25, .625, 0.31	*5	1 1/2 x 2 1/2 x 1 1/2"	1/4	2.20
61 G 438	L	10, 5, 2.5, 1.25, .625, .31	10	2 x 2 1/2 x 1 1/2"	1/4	3.13
61 G 439	L	18, 9, 4.5, 2.25, 1.12	18	2 1/2 x 2 1/2 x 2 1/2"	1 1/4	3.73

STANDARD LINE-TO-VOICE-COIL TRANSFORMERS

500-ohm primary except *2000/1500/1000/500 and †3000/2000/1500/1000/500 ohms. †Fig. P.

Stock No.	Sec. Imp., Ohms	Audio Watts	Size	Wt. Lbs.	NET EACH
61 G 442	4-8	*4	1 3/8 x 2 1/2 x 1 1/2"	1/2	1.70
61 G 423	6-8/3-2	*5	1 1/2 x 2 1/2 x 1 1/2"	1/2	1.29
61 G 425	6-8/3-2	*8	1 3/8 x 2 1/2 x 1 1/2"	1/2	2.10
61 G 443	4-8	*12	2 x 3 1/2 x 1 1/2"	1 1/4	2.30
61 G 451	4/8/16	†10	2 1/2 x 2 1/2 x 1 1/2"	1 1/4	2.77
61 G 424	15/8/6/4	†25	2 1/2 x 2 1/2 x 1 1/2"	1 1/4	2.49

230-TO-115 VOLT AUTOTRANSFORMERS

Well-built step-down transformers for reducing 220-250 volts, 50-60 cycles AC to 110-125 volts. For operating tape recorders, radios, amplifiers, household appliances, etc. Shielded construction. With 8-ft. cord and plug. Female outlet on case. *Fig. N.

Stock No.	Watts	Size	Wt., Lbs.	NET EACH
61 G 494	8	3 1/2 x 1 1/2"	1	3.00
61 G 495	8	3 1/2 x 3 1/2"	1 1/4	5.70
62 G 511	150	4 x 3 1/2 x 3 1/2"	4 1/4	7.20
62 G 512	250	4 1/2 x 3 7/8 x 4 1/4"	7 1/4	9.45
62 G 513	500	4 1/2 x 3 7/8 x 4 1/4"	11	13.00
61 G 434	750	5 1/2 x 4 3/8 x 5"	13 3/4	16.33
61 G 432	1000	5 1/2 x 4 3/8 x 5 1/4"	14 3/4	20.33
61 G 435	1500	6 x 4 1/2 x 5 3/8"	20	24.00
61 G 433	2000	6 x 4 1/2 x 6 3/8"	25	27.20

ISOLATION TRANSFORMERS

Isolation Transformers. Reduce shock hazard by isolating test units, or equipment under test, from line. For 115 volts, 50-60 cycle AC. With 6-ft. cord, plug and output receptacle.

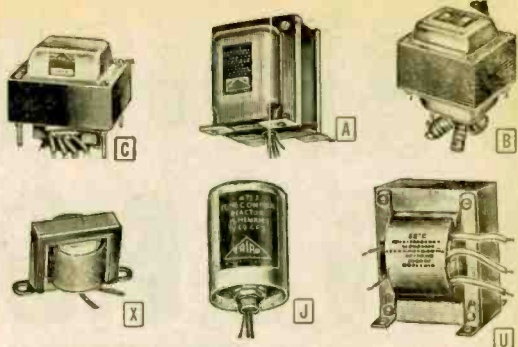
Stock No.	Watts	Size H.W.D.	Wt., Lbs.	NET EACH
61 G 426	50	3 1/2 x 3 3/8"	3 1/2	5.67
62 G 086	100	4 1/2 x 3 3/8 x 4"	7	10.00
62 G 087	250	4 1/2 x 3 3/8 x 4 3/8"	12 1/2	17.50

DYNACO SUPER-FIDELITY TRANSFORMERS

Outstanding line of hi-fi output transformers for the most discriminating hi-fi builder. Feature specially designed, para-coupled windings which provide an accurately balanced coil with tight coupling between sections. The low distortion resulting from this design provides greater definition of audio detail and contributes to the response of any amplifier in which this unit is used. Designed for substantial reserve of power handling capacity to permit full, undistorted power output at extreme high and low frequencies as well as in the middle of the audio spectrum. Para-coupled arrangement reduces middle and high frequency distortion, while a massive core of thin-gauge grain-oriented steel provides distortionless transmission of high level, low frequency signal components. Critical balancing of the output tubes is virtually eliminated. Windings are sealed in steel cans with high temperature potting compound. Type A-440 has tertiary winding with taps for connection in either screen or cathode circuits; all others have screen taps on primary, 8 and 16 ohm secondaries except *4, 8, 16 ohms; †4, 8, 16 ohms and 70.7 volt.



Stock No.	Mfr's Type	Pri. Ohms	Output Watts at:		Size HWD	Wt. Lbs.	NET EACH
			30 to 15,000 cps	20 to 20,000 cps			
61 G 981	A-410	8000	30	15	3 3/8 x 3 1/2"	5	14.95
61 G 982	A-420	6600	60	30	4 1/2 x 3 1/2 x 3 1/2"	7	19.95
61 G 983	A-430	4300	120	60	5 1/4 x 4"	14	29.95
61 G 984	A-431*	4300	120	60	5 1/4 x 4"	14	34.95
61 G 985	A-431-70†	4300	120	60	5 1/4 x 4"	14	39.95
61 G 986	A-440	4300	240	120	6 1/4 x 4 1/2 x 5"	24	39.95
61 G 987	A-450	2200	240	120	6 1/4 x 4 1/2 x 5"	23	39.95



TRIAD TRANSFORMERS

Quality transformers widely used in military and commercial applications. Excellent for use in audio circuits. Allied stocks the complete line of Triad transformers—write for information on any not shown here.

POWER TRANSFORMERS

Last letter in Type indicates fig. above. *CT. For 115 v., 60 cycle AC

Stock No.	Mfr's Type	Plate		Filaments		Mtr. Ctrs.	Wt. Lbs.	NET EACH
		Volts	Ma	Volts	Amps			
61 G 901	R-2C	135	25	6.3	9	1 1/4	1	4.05
64 G 936	R-3A	500	20	6.3*	2	1 1/2 x 1 1/2"	1 1/4	6.00
64 G 976	R-4A	500	40	1 1/2 x 1 1/2"	2	1 1/2 x 1 1/2"	1 1/4	6.15
64 G 977	R-5A	600	60	6.3*	2.7	2 x 1 1/2"	2 1/4	6.90
61 G 900	R-6A	480	50	6.3*	2	2 1/2"	2 1/4	7.32
64 G 978	R-7A	600	50	6.3*	2	2 x 1 1/2"	2 1/4	7.38
61 G 902	R-8A	500	7	5	2	2 1/2 x 2 1/2"	3	7.68
64 G 979	R-9A	600	7	5	2	3	3 1/4	8.49
61 G 903	R-10A	525	9W	5	2	2 1/2 x 2 1/2"	3 1/4	8.91
64 G 986	R-11A	700	9c	5	2	2 1/2 x 2 1/2"	4 1/4	9.27
61 G 904	R-12A	550	110	5	2	2 1/2 x 2 1/2"	4 1/4	9.33
64 G 987	R-14A	700	125	5	3	2 1/2 x 2 1/2"	6	10.41
61 G 905	R-16A	700	160	5	3	2 1/2 x 2 1/2"	7	11.67
61 G 906	R-18A	750	175	5	3	2 1/2 x 3 1/4"	8 1/4	12.66
61 G 907	R-20A	700	200	5	3	2 1/2 x 3 1/4"	9 1/4	13.80
61 G 908	R-21A	800	200	5	3	2 1/2 x 3 3/8"	9 1/4	14.31
61 G 909	R-29A	230	40	6.3*	1.5	1 1/2 x 1 1/2"	1 1/4	5.85
61 G 910	R-30X	135	50	6.3*	1.5	3 1/2"	1 1/4	4.89
61 G 911	R-54X	115	15	6.3*	6	2 1/2"	3	3.63
61 G 912	R-71A	900	250	5	4	6 3/8 x 3 3/8"	12	17.01
61 G 914	R-73B	135	200	0/15	6.3	5.5 x 2 1/2 x 2 1/2"	2 1/4	8.67
61 G 915	R-56A	130	20	5/15	6.6	6.6 x 2 1/2"	2	6.90
61 G 916	R-68A	800	30	5	22.5/30	6.3 x 6.3	3	10.32
61 G 917	R-41C	880	125	5	3	6.3	6	16.86
61 G 918	R-43C	1250	5	2.5/2.5	1.75/1.75	5/3	3	10.32
		1600	3	2.5/2.5	1/3	6.3/6.3	1/3	10.32

FILAMENT TRANSFORMERS

For operation from 115 v., 60 cycle AC.

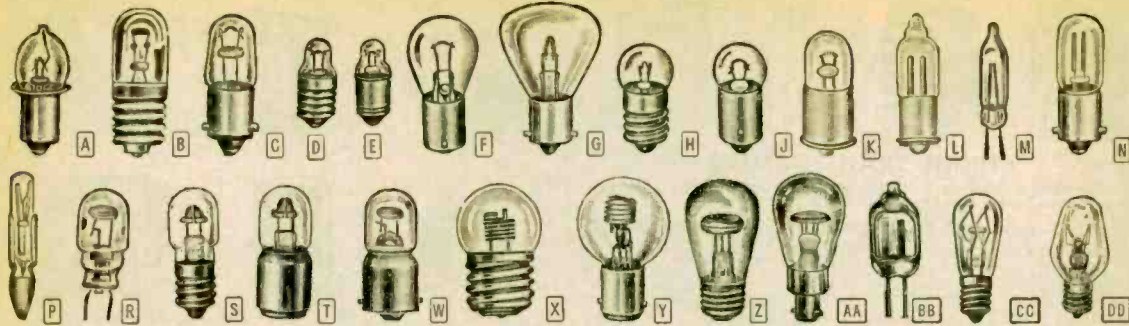
Stock No.	Mfr's Type	Sec. Volts	Sec. Amps	Insul. Volts	Size (HWD)	Wt. Lbs.	NET EACH
61 G 931	F-1X	25CT	3	1500	1 1/2 x 2 1/2 x 1 1/2"	1/4	2.61
61 G 932	F-3X	25CT	10	3000	2 1/2 x 3 1/2 x 1 1/2"	1 1/4	4.02
61 G 933	F-5U	25CT	10	7500	3 x 2 1/2 x 1 1/2"	2	5.67
61 G 934	F-6X	25CT	6	2500	1 1/2 x 2 1/2 x 1 1/2"	1	3.42
61 G 935	F-7X	5CT	3	1500	1 1/2 x 3 1/2 x 2 1/2"	1 1/4	3.57
61 G 936	F-8X	5CT	6	1500	2 1/2 x 3 1/2 x 2 1/2"	1 1/4	4.17
64 G 953	F-13X	6.3	6	1500	1 1/2 x 2 1/2 x 1 1/2"	1/2	2.10
64 G 954	F-14X	6.3CT	1.2	2500	1 1/2 x 2 1/2 x 1 1/2"	3/4	2.22
64 G 955	F-16X	6.3CT	3	2500	1 1/2 x 3 1/2 x 2 1/2"	1 1/4	3.33
64 G 956	F-18X	6.3CT	6	1500	3 1/2 x 2 1/2 x 2 1/2"	2 1/4	6.15
64 G 957	F-21A	6.3CT	10	1500	3 1/2 x 3 3/8"	3 1/4	7.38
64 G 958	F-22A	6.3CT	20	2000	3 1/2 x 3 1/2 x 3 1/2"	7	10.56
64 G 959	F-25X	12.6CT	1.5	1500	1 1/2 x 3 1/2 x 2 1/2"	1 1/4	3.57
61 G 937	F-26X	12.6CT	2.5	1500	2 1/2 x 3 1/2 x 2 1/2"	1 1/2	4.17
64 G 974	F-40X	26.8CT	1	1500	1 1/2 x 3 1/2 x 2 1/2"	1 1/4	3.39
61 G 938	F-41X	25.2CT	2	1500	2 1/2 x 2 1/2"	2 1/4	5.16
64 G 935	F-23U	10CT	7	1500	3 1/2 x 2 1/2 x 2 1/2"	4	7.17

DRIVER, INTERSTAGE, AND INPUT TRANSFORMERS

300-3000 cps except *30-15,000; †70 7000; ‡50-10,000. †Spade-lug mtd. Last letter in Type No. identifies illustration. †Ohms, except as indicated.

Stock No.	Mfr's Type	Application	Primary	Turns Ratio	Mtg Ctrs.	Wt. Lbs.	NET EACH
64 G 999	A-1X	line/SB mike to grid	100	31:4:1	1 1/2"	1/4	2.04
61 G 925	A-3X	line/DB mike to grid	400 CT	22:1:1	1 1/2"	1/4	2.22
61 G 926	A-4X	line to grid	500/200/67.5 CT	12:1	1 1/2"	1/4	2.67
61 G 927	A-5X	SB mike p.p. grids	100	8:1	2 1/2"	3/4	2.97
61 G 928	A-6X	speaker v.c. to grid	8/3.2	79:1	1 1/2"	3/4	2.25
61 G 929	A-7X	speaker v.c. to grid	3.2	124:1	1 1/2"	3/4	2.25
61 G 930	A-9†	line/mike to grid	500/250/50	12:1	1 1/2"	1/4	10.05
64 G 934	A-21X	SB/mike/plate to grid	100 & 10,000	31.5:18:3:1	1 1/2"	1/4	2.31
64 G 991	A-31X	plate to s.p.p. grids	10,000	1:3	2"	3/4	2.37
61 G 920	A-33X†	plate to s.p.p. grids	10,000	1:3	2 1/2 x 1/2"	1	3.30
64 G 993	A-81X	driver (30, 1H4)	15 ma. In Pri.	2.66:1, 1/2 sec.	1 1/2"	1/4	2.13
61 G 921	A-83X†	driver (6F6, 42, 45)	40 ma. In Pri.	1.33:1, 1/2 sec.	1 1/2"	3/4	2.58
61 G 922	A-85X†	driver (6F6, 42, 45)	40 ma. In Pri.	2.66:1, 1/2 sec.	2 1/2 x 1/2"	1	3.06
61 G 923	A-89A†	s.p. plates to grids	100 ma. each side	3:1/1.8:1, 1/2 sec.	2 1/2 x 1/2"	2 1/4	7.02

Lamps—General Electric and Chicago Miniature



ABBREVIATIONS USED TO DESCRIBE BASE AND BULB STYLE

S. C. F.—single contact, flanged base
 S. C., Bay.—single contact, bayonet base
 D. C., Bay.—double contact, bayonet base

Cand.—Candelabra type base; G—globe bulb
 T—tubular bulb style; B—lemon shape bulb
 TL—lens end, tubular (pre-focus type) bulb

FE—flat end bulb; RP—reflector, pear shape
 as in Fig. F; Types 1847 and 1891 are
 for use in Ford and Chevrolet automobiles

GENERAL-PURPOSE MINIATURE LAMPS

A wide selection of top-quality, precision-manufactured lamps commonly used in numerous applications—panel indicator, telephone, aircraft, flashlight and pilot lamps. Many are exact-duplicate lamps for replacement.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Base	Bulb Style	NET EACH		
							1-9	10-99	100-Up
52 E 344	PR-2	A	2.4	0.50	S. C. F.	B-3½	.20	.13	.12
52 E 345	PR-3	A	3.6	0.50	S. C. F.	B-3½	.20	.13	
52 E 347	PR-4	A	2.3	0.27	S. C. F.	B-3½	.20	.13	
52 E 348	PR-6	A	2.47	0.30	S. C. F.	B-3½	.20	.13	
52 E 000	PR-7	A	3.7	0.30	S. C. F.	B-3½	.20	.13	
52 E 338	PR-9	A	2.7	0.15	S. C. F.	B-3½	.25	.16	.15
52 E 387	PR-12	A	5.95	0.50	S. C. F.	B-3½	.20	.13	.12
54 E 001	PR-13	A	4.75	0.50	S. C. F.	B-3½	.20	.13	.12
52 E 981	12	H	6.3	0.15	Min 2-pin	G-3½	.25	.16	.15
52 E 300	13	H	3.7	0.30	Screw	G-3½	.17	.11	.10
52 E 301	14	H	2.5	0.30	Screw	G-3½	.17	.11	.10
52 E 904	24E	P	24	.035	Tel. Slide	T-2	.65	.43	.39
52 E 302	1	H	6.2	0.30	Screw	G-4½	.20	.13	.12
52 E 385	39	C	6.3	0.36	Bayonet	T-3½	.30	.20	.18
52 E 305	40	B	6.8	0.15	Screw	T-3½	.15	.10	.09
52 E 306	41	B	2.5	0.50	Screw	T-3½	.15	.10	.09
52 E 307	42	B	3.2	0.35	Screw	T-3½	.20	.13	.12
52 E 308	43	C	2.5	0.50	Bayonet	T-3½	.15	.10	.09
52 E 309	44	C	6.8	0.25	Bayonet	T-3½	.15	.10	.09
52 E 310	45	C	3.2	0.35	Bayonet	T-3½	.15	.10	.09
52 E 311	46	B	6.8	0.25	Screw	T-3½	.15	.10	.09
52 E 312	47	B	6.8	0.15	Bayonet	T-3½	.15	.10	.09
52 E 313	48	B	2.0	0.06	Screw	T-3½	.15	.10	.09
52 E 919	48C	P	4.8	.035	Tel. Slide	T-2	.70	.46	.42
52 E 314	49	C	2.0	0.06	Bayonet	T-3½	.15	.10	.09
52 E 315	50	H	6-8	1 c.p.	Screw	G-3½	.15	.10	.09
52 E 316	51	J	6-8	1 c.p.	Bayonet	G-3½	.15	.10	.09
52 E 369	53	J	14.4	0.12	Bayonet	G-3½	.15	.10	.09
52 E 320	55	J	6-8	2 c.p.	Bayonet	G-4½	.15	.10	.09
52 E 660	57	J	12	2 c.p.	Bayonet	G-4½	.15	.10	.09
52 E 322	63	J	6-8	3 c.p.	S. C. Bay.	G-6	.20	.13	.12
54 E 002	63A	J	6-8	0.30	S. C. Bay.	G-6	.50	.31	.26
54 E 003	67	J	12	4 c.p.	S. C. Bay.	G-6	.20	.13	.12
52 E 061	67K	J	13.5	4 c.p.	Cand.	G-6	.40	.26	.24
52 E 321	81	J	6-8	6 c.p.	S. C. Bay.	G-6	.25	.16	.15
52 E 317	82	J	6-8	6 c.p.	D. C. Bay.	G-6	.25	.16	.15
54 E 004	88	F	6	1.91	D. C. Bay.	S-8	.35	.23	.21
52 E 325	112	D	1.2	0.22	Screw	TL-3	.17	.11	.10
52 E 327	136	H	1.3	0.60	Screw	G-4½	.17	.11	.10
54 E 006	158	.....	12	0.74	Wedge	T-3½	.20	.12	.09
54 E 007	159	.....	6.3	0.15	Wedge	T-3½	.20	.13	.12
52 E 339	222	D	2.2	0.25	Screw	TL-3	.17	.11	.10
52 E 331	223	.....	2.2	0.25	Screw	FE-3½	.17	.11	.10
52 E 333	224	E	2.15	0.22	Special	TL-2½	.17	.11	.10
52 E 334	233	H	2.3	0.27	Screw	G-3½	.17	.11	.10
52 E 339	248	H	2.5	0.80	Screw	G-5½	.25	.16	.15
54 E 008	305	F	2.8	0.51	S. C. Bay.	S-8	.60	.37	.27
52 E 319	313	C	2.8	0.17	Bayonet	T-3½	.35	.23	.21
52 E 323	327	K	28	0.04	S. C. Mid.*	T-1¾	.90	.59	.55
52 E 378	328	K	6	0.20	S. C. Mid.*	T-1¾	.78	.46	.42
52 E 379	425	H	6	0.50	Screw	G-4½	.17	.11	.10
52 E 658	428	H	12.5	0.25	Screw	G-4½	.17	.11	.10
52 E 332	432	H	18.0	0.25	Screw	G-4½	.20	.13	.12
52 E 652	433	J	18	0.25	Screw	G-4½	.25	.16	.15
52 E 342	605	H	6.1	0.50	Screw	G-4½	.17	.11	.10
52 E 664	1129	F	6	21 c.p.	S. C. Bay.	S-8	.35	.23	.21
54 E 009	1130	G	6	2.53	D. C. Bay.	S-8	.40	.26	.24
52 E 520	1133	G	6-8	32 c.p.	S. C. Bay.	RP-11	.40	.26	.24
54 E 010	1142	F	12	1.34	D. C. Bay.	S-8	.35	.23	.21
52 E 651	1188	G	6-8	50-32 c.p.	D. C. Bay.	RP-11	1.20	.79	.73
52 E 379	1323	.....	6.2	4.13	S. C. Pref.†	RP-11	1.00	.66	.61
54 E 011	1445	J	18	0.15	Bay.	G-3½	.20	.13	.12
52 E 659	1446	H	12	0.20	Screw	G-3½	.25	.16	.15
54 E 341	1447	H	18.0	0.14	Screw	G-3½	.20	.13	.12
52 E 661	1449	H	14	0.20	Screw	G-3½	.25	.16	.15
52 E 661	1458	J	20	0.25	Bayonet	T-3½	.20	.13	.12
52 E 653	1477	B	24	0.17	Screw	T-3	.50	.33	.30
52 E 654	1487	B	12-16	0.20	Screw	T-3½	.20	.13	.12
52 E 655	1488	C	14	0.15	Bayonet	T-3½	.25	.16	.15
52 E 340	1490	C	3.2	0.16	Bayonet	T-3½	.17	.11	.10
52 E 656	1493	F	6.5	2.75	D. C. Bay.	S-8	1.05	.69	.64

GENERAL-PURPOSE MINIATURE LAMPS (Cont'd)

ment use. All are miniature lamps, except *midget flanged type; †pre-focused candelabra. Those indicated † have switchboard slide-type base. Av. shgp. wt., 1 lamp, 2 oz.; box of 10, 4 oz.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Base	Bulb Style	NET EACH		
							1-9	10-99	100-Up
54 E 012	1618	F	6.4	21 c.p.	D. C. Bay.	S-8	.70	.43	.32
54 E 013	1648	F	5	21 c.p.	D. C. Bay.	S-8	.70	.43	.32
52 E 399	1651	F	5	0.50	S. C. Bay.	S-8	.60	.39	.36
52 E 924	1659	G	5.7	0.57	S. C. Bay.	RP-11	.70	.43	.36
52 E 326	1768	B	6	0.20	Mid. Screw	T-1½	.90	.59	.55
52 E 925	1813	C	14.4	0.10	Bayonet	T-3½	.25	.16	.15
52 E 657	1815	C	12-16	0.20	Bayonet	T-3½	.20	.13	.12
54 E 014	1819	C	28	0.035	Bay.	T-3½	.45	.28	.20
52 E 324	1820	C	28	0.10	Bayonet	T-3½	.40	.26	.24
52 E 343	1829	C	28.0	0.07	Bayonet	T-3½	.35	.23	.21
52 E 982	1847	C	6.3	0.15	Bayonet	T-3½	.20	.13	.12
54 E 015	1850	C	5	0.09	Bayonet	T-3½	.25	.15	.13
54 E 016	1891	C	12	0.24	Bayonet	T-3½	.17	.11	.10
52 E 983	1891	C	12.0	0.24	Bayonet	T-3½	.17	.11	.10

NEON GLOW LAMPS

For 105-600 v. except †210-600 v. †DC only. Sk. under Base means skirted. Screw types have series resistor in base—for 105-125 v.; others require external resistor. *AC starting voltage. DC starting v., 40% higher. †High brightness. Av. shgp. wt., 1 lamp, 3 oz.; box of 10, 5 oz.

Stock No.	Mfr's Type	Fig.	Watts	*AC Volts	Bulb Style	Base	NET EACH	
							1-49	50-Up
54 E 017	A1B	BB	1/17	65	T-2	Wire Term.	.14	.11
52 E 361	A1C	BB	1/17	95	T-2	Wire Term.	.14	.11
52 E 370	NE-2	M	1/17	65	T-2	Wire Term.	.10	.08
52 E 926	NE-2D	L	1/15	65	T-2	S. C. Mid. Flange	.92	.66
54 E 019	NE-2E	M	1/10	65	T-2	Wire Term.	.10	.08
52 E 396	†NE-2H	M	1/5	105	T-2	Wire Term.	.12	.10
52 E 929	†NE-2J	L	1/5	105	T-2	S. C. Mid. Flange	.82	.66
52 E 374	NE-7	R	¼	55	T-4½	Wire Term.	.73	.58
52 E 826	NE-16	T	¼	85	T-4½	D. C. Bay. Cand.	.63	.50
52 E 927	NE-17	T	¼	55	T-4½	D. C. Bay. Cand.	.90	.72
52 E 822	NE-21	W	¼	55	T-4½	S. C. Bay. Cand.	.95	.76
52 E 801	NE-30	X	1	60	G-10	Edison	1.20	.96
52 E 814	NE-32	Y	1	60	G-10	D. C. Bay. Cand.	1.20	.96
52 E 803	NE-34	Z	2	60	S-14	Edison	1.85	1.48
52 E 806	NE-40	Z	3	60	S-14	Edison	2.70	2.16
52 E 816	NE-42	AA	3	60	S-14	Sk. D. C. Bay. Cand.	2.65	2.12
52 E 807	NE-45	S	¾	65	T-4½	Cand. Screw	.85	.68
52 E 812	NE-48	T	¾	65	T-4½	D. C. Bay. Cand.	.70	.56
52 E 373	NE-51	N	1/25	65	T-3½	S. C. Bay. Min.	.21	.17
52 E 395	†NE-51H	N	1/7	.....	T-3½	S. C. Bay. Min.	.23	.16
52 E 360	†NE-56	X	1	60	S-11	Edison	1.25	1.00
52 E 362	†NE-58	S	½	65	T-4½	Cand. Screw	.99	.79
52 E 397	NE-77	M	¼	140	T-2	3-Wire Term.	.55	.44
52 E 060	NE-96	M	¼	140	T-2	2-Wire Term.	.10	.16

ARGON GLOW LAMPS

Pale blue-violet light—near-ultraviolet radiation. Clear glass. *Av. life, 1000 hours; fav. life, 3000 hrs. Av. wt., 1 lamp, 3 oz.; box of 10, 5 oz.

Stock No.	Type	Fig.	Watts	Volts	Bulb	Base	1-49, EA.	50-Up, EA.
52 E B11	*AR-3	S	¼	80	T-4½	Cand. Screw	.85	.68
52 E B10	†AR-1	Z	½	65	S-14	Edison	1.90	1.52

AC-DC LAMPS

Rated 1500 hours, average use. Clear glass except †white glass. Ideal behind small panel openings, as indicator lamps, etc. For 120 volts, except *230 v. †Herzog tubular lamp—others, G. E. Av. shgp. wt., 4 oz.

Stock No.	Type	Fig.	Watts	Base	1-49, EA.	50-Up, EA.
52 E 349	656	CC	6	Cand. Screw	.55	.48

Dialco Indicator Lights—Sockets



HALF INCH ASSEMBLIES

A Series 81410X, Enclosed. Rugged, aviation-type socket shell with smooth jewel in $\frac{1}{2}$ " holder. Takes T-3 $\frac{1}{4}$ " miniature bayonet lamp. Size, 2 $\frac{1}{4}$ " long; requires $\frac{1}{16}$ " mounting hole. Fits panels up to $\frac{1}{8}$ " thick. Black nickel finish. U.L. Approved. Less T-3 $\frac{1}{4}$ " miniature lamp; see bulb listings. Av. shpg. wt., .3 oz.

Stock No.	Mfr's Type	Cap Color	1-9, EACH	10-Up, EACH
52 E 530	111	Red	1.19	1.07
52 E 531	112	Green		
52 E 532	113	White		
52 E 533	113	Amber		

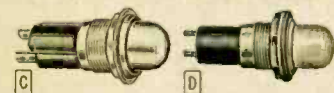
Replacement Jewel Caps for Above. Wt. 2 oz.

Stock No.	Mfr's Type	Jewel Color	1-9, EACH	10-Up, EACH
52 E 535	81-111	Red	.16	.14
52 E 536	81-112	White		
52 E 537	81-135	White		
52 E 538	81-113	Amber		

B Series 857B, Open. Requires an $\frac{1}{8}$ " mtg. hole. $\frac{1}{2}$ " lens. 2" long. Tinned solder terminals. For panels up to $\frac{1}{2}$ " thick. With mounting washer. Less lamp. Uses Type 44, 47 or 51 bulbs; see bulb listings. Shpg. wt., 4. oz.

Stock No.	Mfr's Type	Cap Color	1-9, EACH	10-Up, EACH
52 E 545	431	Red	.44	.40
52 E 546	432	Green		
52 E 547	433	Amber		
52 E 548	434	Blue		

NEON LIGHTS AND ASSEMBLIES



C Series 95408X and Series 95408XH, Indicator Lights. Enclosed indicator lights. Series 95408X have built-in 56,000-ohm, $\frac{1}{2}$ -watt resistor for NE-51 neon lamps in 105-125 v. AC-DC circuits. Series 95408XH (*) have built-in resistor of 18,000 ohms for use with NE-51H neon glow lamp on 110-125 v. AC. 2 $\frac{1}{2}$ " long, $\frac{1}{16}$ " hole. Meet MIL-L-3661 and U.L. requirements. Less lamp. With mounting nut. Av. shpg. wt., .3 oz.

Stock No.	Mfr's Type	Stock No.	Mfr's Type	Cap Color
52 E 504	931	53 E 142	931H*	Red
52 E 505	933	53 E 143	933H*	Amber
52 E 506	935	53 E 144	935H*	White
52 E 507	937	53 E 145	937H*	Clear

1-9, NET EACH.....1.19
10-Up, EACH.....1.07

D Series 952208, Panel Assemblies. Enclosed neon pilot light assemblies. Have built-in 56,000 ohm resistor for NE-51 in 105-125 v. AC-DC circuits; except * with 18,000 ohm resistor for NE-51H "high-brightness" lamp for use with 105-125 v. AC. 2 $\frac{1}{2}$ " long, $\frac{1}{16}$ " mtg. hole. Less lamp (see bulb listings). With mounting nut. Av. shpg. wt., .3 oz.

Stock No.	Mfr's Type	Stock No.	Mfr's Type	Cap Color
52 E 581	931	53 E 146	931H*	Red
52 E 582	933	53 E 147	933H*	Amber
52 E 583	935	53 E 148	935H*	White
52 E 584	937	53 E 149	937H*	Clear

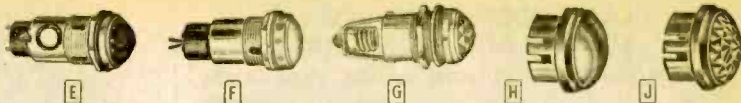
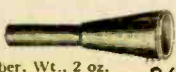
10-Up, EA......61 1-9, NET EA.....68

Replacement Plastic Caps For Above. 2 oz.

Stock No.	Mfr's Type	Color	1-9, EACH	10-Up, EACH
52 E 565	95-931	Red	.19	.17
52 E 566	95-933	Amber		
52 E 567	95-935	White		
52 E 568	95-937	Clear		

PILOT BULB REMOVER

Designed to expedite installation or removal of miniature and candleabra lamps. High-grade rubber. Wt., 2 oz. 52 E 550. NET.....26



ONE INCH PILOT LAMP ASSEMBLIES

E Series 313101, Enclosed. 115-volt, enclosed pilot lamp assembly. Black bakelite and brass. Has faceted jewel in chrome-plated holder. Candleabra screw socket. 1" mounting hole. *Not recommended for neon; all others for neon or incandescent. For Type S6 bulbs. U.L. Approved. Shpg. wt., 4. oz.

Stock No.	Mfr's Type	Jewel Color	1-9, EACH	10-Up, EACH
52 E 460	431	Red	1.22	1.10
52 E 461	432	Green*		
52 E 462	433	Amber		
52 E 510	437	Clear		
52 E 511	434	Blue*		
52 E 512	435	White		

F Series 312901, with Wire Leads. As above, except with 6" wire leads instead of solder lugs. Has friction-fit, chrome-plated cap. 1" mtg. hole. U.L. Approved. Less S6 candleabra lamp (see bulb listings). Shpg. wt., 4 oz.

52 E 485	111	Red	1.52	1.37
52 E 486	112	Green		
52 E 487	113	Amber		
52 E 488	117	Clear		

MINIATURE AND CANDELABRA SCREW OPEN TYPE ASSEMBLIES

Widely used open-type light assemblies for low voltage incandescent lamps. Supplied complete with jewel holder and easily soldered terminal lug connections. Available with either miniature screw base, or miniature bayonet-type base. Accommodate T-3 $\frac{1}{4}$ lamps, G6 lamps, and S6 lamps.

K Series 510, 610 and 710. Open-type indicator light assemblies. Require $\frac{1}{16}$ " mounting hole. Solder lug terminals. Series 510 uses T-3 $\frac{1}{4}$ screw-base lamp; 610 takes G6 candleabra screw bulb; Series 710 uses T-3 $\frac{1}{4}$ bayonet type. Less lamp. Av. shpg. wt., 2 oz.

Series No.	Stock No.			NET EACH
	Red	Green	Amber	
510	52 E 475	52 E 476	52 E 477	.21
610	52 E 540	52 E 541	52 E 542	
710	52 E 480	52 E 481	52 E 482	

M Series 910 Miniature Bayonet Type. Open assemblies with chrome-plated brass jewel holders and faceted jewels. $\frac{1}{16}$ " long; require 1" mounting hole. Take T-3 $\frac{1}{4}$ bayonet-base bulb. Less bulb. Shpg. wt., .3 oz.

Stock No.	Color	1-9, EACH	10-Up, EACH
52 E 420	Red	.71	.64
52 E 421	Green		
52 E 422	Amber		

PILOT LIGHT SOCKETS

Popular open-type pilot light sockets in a variety of mountings for most standard applications. All have terminal lugs of tinned brass to facilitate rapid soldering. Cadmium plating is used on brackets. Bayonet type sockets have coil spring construction.

All sockets are supplied with insulating washers. *Indicates as illustrated, but has bayonet-type base. See bulb listing of screw lamps (for Series 500 sockets), candleabra lamps (for Series 600 sockets), and bayonet lamps (for Series 700 sockets). Av. shpg. wt. per pkg. of 5. 6 oz. 5 per package.

MINIATURE SCREW

Stock No.	Mfr's Type	Fig.	Per Pkg.	5 Pkgs. or More, Per Pkg.
52 E 400	501	N*	.35	.31
52 E 401	507	S	.32	.29
52 E 402	504	P	.35	.31
52 E 410	505	T	.35	.31
52 E 411	508	R	.35	.31

G Series 75, Open. 115-volt open-type pilot lamp assembly with faceted jewel in chrome-plated brass holder. Candleabra screw socket. Solid brass construction. Friction-fit chrome-plated cap. 1" mounting hole. Less S6 lamp (see bulb listings). Shpg. wt., 5 oz.

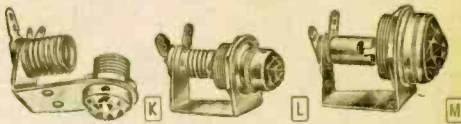
Stock No.	Mfr's Type	Jewel Color	1-9, EACH	10-Up, EACH
52 E 500	C-431	Red	.70	.63
52 E 501	C-432	Green		
52 E 502	C-433	Amber		

H Replacement Jewel Caps for Series 312901 Indicator Assemblies. 2 oz.

Stock No.	Type	Color	Stock No.	Type	Color
52 E 575	31-111	Red	52 E 576	31-113	Amber
52 E 596	31-112	Green	52 E 578	31-117	Clear
1-9, EACH.....		.42	10-Up, EACH.....		.38

J Replacement Jewel Caps for Series 75, 910, and 313101 Assemblies. 2 oz.

52 E 525	31-431	Red	52 E 527	31-433	Amber
52 E 526	31-432	Green	52 E 528	31-437	Clear
1-9, EACH.....		.42	10-Up, EACH.....		.38



L Series 810. Screw and Bayonet Types. With faceted jewel. Require $\frac{1}{16}$ " mounting hole. With solder lug terminals. Use miniature bulbs. 810M takes T-3 $\frac{1}{4}$ miniature bulb with screw base; 810B uses T-3 $\frac{1}{4}$ miniature bayonet-base bulb. Less lamp; see bulb listings. Av. shpg. wt., 2 oz.

Series No.	Stock No.			NET EACH
	Red	Green	Amber	
810M	52 E 450	52 E 451	52 E 452	.32
810B	52 E 453	52 E 454	52 E 455	

M Series 910 Screw Types. Open miniature and candleabra screw types. Chrome-plated brass jewel holders and faceted jewels. $\frac{1}{16}$ " long; require 1" mounting hole. Miniature screw types take T-3 $\frac{1}{4}$ bulb. Candleabra screw types use S6 bulb. Less bulb. Shpg. wt., .3 oz.

Color	Min. Screw	Cand. Screw	1-9, EACH	10-Up, EACH
Red	52 E 430	52 E 440	.71	.64
Green	52 E 431	52 E 441		
Amber	52 E 432	52 E 442		



CANDELABRA SCREW—115 VOLTS

Stock No.	Mfr's Type	Fig.	Per Pkg.	5 Pkgs. or More, Per Pkg.
52 E 407	601	N	.45	.41
52 E 408	604	P		
52 E 409	605	T		
52 E 412	608	R		

MINIATURE BAYONET

52 E 404	701	N*	.39	.35
52 E 405	707	S*	.32	.28
52 E 403	704	P*	.39	.35
52 E 406	705	T*	.39	.35
52 E 419	708	R*	.39	.35

PILOT LIGHT LENS CAPS

All-purpose faceted lens caps for most commonly used pilot lights. Available in three sizes— $\frac{1}{8}$ ", $\frac{1}{4}$ " and $\frac{1}{2}$ " diameters. Available in red, green and amber jewel color. Holders are constructed of nickel-plated brass. Designed for panel mounting in panels up to $\frac{1}{8}$ " thick. Av. shpg. wt., 2 oz.

Stock No.			Diameter	Mtg. Hole Size	1-9, EACH	10-Up, EACH
Red	Green	Amber				
52 E 444	52 E 445	52 E 446	$\frac{1}{8}$ "	$\frac{1}{16}$ "	.24	.22
52 E 490	52 E 491	52 E 492			.11	.10
52 E 447	52 E 448	52 E 449			.13	.12



Lamp Sockets, Bulbs, Buss Fuses and Accessories

LAMP SOCKETS, REDUCERS TUNGAR AND NEON BULBS

SOCKETS/REDUCERS FOR NEON, ARGON, PILOT LAMPS



Reducer fits into socket to convert to most commonly used types of bulb bases. *Socket with hard rubber insert in metal shell. Av. shgp. wt. for sockets, 3 oz. Av. shgp. wt. of reducers, 2 oz.

Stock No.	Fig.	Description	1-49, EA.	50-U _p , EA.
52 E 850	A	Edison socket	.13	.12
52 E 858	A	Miniature screw socket	.13	.13
52 E 852	B	Candelabra screw socket	.45	.41
52 E 855	A	Candelabra screw socket	.15	.13
52 E 853	C	D.C. bay. candelabra socket	.36	.33
52 E 856	D	D.C. bay. candelabra socket	.87	.79
52 E 857	D	S.C. bay. candelabra socket	.81	.72
52 E 606	E	Edison-to-Cand. reducer	.21	.18
52 E 639	F	Candelabra-to-Min. reducer	.18	.15
52 E 634	F	Intermediate-to-Cand. reducer	.09	.07
52 E 638	G	Edison-to-Inter. reducer	.16	.14

G.E. TUNGAR BULBS



Argon and argon-mercury filled tungar bulbs for use in the rectification of current from AC to DC. Used in battery chargers, DC power supplies, motion picture projectors; also for operation in motion picture projectors. Av. shgp. wt., 1 1/2 lbs.

Stock No.	Type	Fig.	Amps	NET	Stock No.	Type	Fig.	Amps	NET
9 E 900	12X825	J	2	4.80	9 E 904	189049	H	6	4.88
9 E 901	20X501	J	2	4.65	9 E 905	217283	H	15	9.38
9 E 906	20X572	J	2	5.78	9 E 907	16X897	H	2	13.05
9 E 903	189048	H	6	4.88	9 E 908	45X674	H	6	15.30

DRAKE NEON INDICATING LIGHTS

Type 110 "Flushlite". Neon indicating light, enclosed in translucent plastic base. For 110-125 volts, AC or DC. Size, 1/2x1 1/4x3/8". Has 1/4" mounting centers. Shgp. wt., 2 oz.
78 E 061, 10-Up, EACH .42 1-9, EACH .45

Type 105 "Post-lite". Panel light for 65-130 v., AC, or 90-130 v., DC. Length, 2 1/4". Requires 1/2" mtg. hole. With mtg. nut. Wt., 2 oz.
78 E 062, 10-Up, EACH .59 1-9, EACH .62

BUSS HOUSEHOLD PLUG FUSES

All are 125 v. max. Type T dual-element fuses are protected against "blowing" during motor starting. Shgp. wt. per pkg., 5 oz. 4 fuses per pkg. Type W are Edison base house fuses. Shgp. wt. per pkg., 6 oz. 5 fuses per pkg. Type S are time-delay; cannot be replaced with higher values without changing adapter. Shgp. wt. per pkg., 2 oz. 4 fuses per pkg.

FUSETRON TYPE T DUAL-ELEMENT FUSES

Amps	Stock No.	PER PKG. OF 4	Amps	Stock No.	PER PKG. OF 4
15	53 B 521	.30 .28	25	53 B 523	.30 .28
20	53 B 522		30	53 B 524	

TYPE W PLUG FUSES

Amps	Stock No.	PER PKG. OF 5	Amps	Stock No.	PER PKG. OF 5
3	53 B 560	.32 .29	15	53 B 565	.29 .26
5	53 B 563		20	53 B 568	
10	53 B 564		30	53 B 568	

TYPE S FUSTAT FUSES

Amps	Stock No.	Body Color	Amps	Stock No.	Body Color
15	42 B 900	Blue	25	42 B 902	Green
20	42 B 901	Orange	30	42 B 903	Green

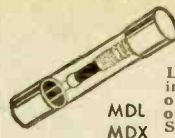
NET PER PACKAGE OF 4 .43
20 or More Pkgs., PER PACKAGE OF 4 .40

"MINI-BREAKER" CIRCUIT MINDERS

Precision circuit protectors that provide circuit breaker action; open overloaded circuits; reset with pushbutton. Fit Edison base sockets. U.L. Approved. For 120 v. AC. Shgp. wt., 3 oz.

Stock No.	Ampere	EACH
52 B 176	15	
52 B 177	20	.89
52 B 178	30	

BUSS FUSES AND ACCESSORIES



TYPE MDL FUSETRON FUSES

Long time-lag prevents needless blows from starting currents or surges. Operates instantly on high overloads or shorts. Thermal cutout operates slowly on low overloads. Size, 1 1/4x1/4". U.L. Approved. Shgp. wt., per pkg., 2 oz. 5 fuses per package.

Amps	Max. Volts	Stock No.	PKG. OF 5	Amps	Max. Volts	Stock No.	PKG. OF 5
1/100	250	53 B 441	1.13 1.00	4/10	250	53 B 453	
1/32	250	53 B 442	1.13 1.00	1/2	250	53 B 454	
1/16	250	53 B 443	.82 .70	6/10	250	53 B 455	.82 .70
1/10	250	53 B 444	.82 .70	8/10	250	53 B 456	
15/100	250	53 B 450		2	250	53 B 461	.82 .70
2/10	250	53 B 451		1-8/10	125	53 B 466	.62 .55
1/4	250	53 B 407	.82 .70	5	32	53 B 469	.62 .55
3/10	250	53 B 452					

TYPE MDX 125-VOLT FUSETRON FUSES

Have same thermal delay action as Type MDL above, but open in approximately half the time, 1/2 second, 1 1/4x1/4". U.L. Approved. Shgp. wt. per pkg., 2 oz.; per 100, 15 oz. 5 fuses per package.

Amps	Stock No.	PER PKG. OF 5	Amps	Stock No.	PER PKG. OF 5
3-2/10	53 B 408		6 1/4	53 B 505	
5	53 B 503	.62 .55	5	53 B 506	.69 .60
5	53 B 504				

32-VOLT FUSES

For circuits operating at 32 volts or less, 1 1/4x1/4". U.L. Approved. Shgp. wt., 1 oz. per pkg. 5 fuses per package.

Amps	Stock No.	PER PKG. OF 5	Amps	Stock No.	PER PKG. OF 5
5	AGC 53 B 434		15	AGC 53 B 438	.16 .14
6	AGC 53 B 435		25	AGC 53 B 439	.19 .16
7 1/2	AGC 53 B 436	.16 .14	30	AGC 53 B 440	.19 .16
10	AGC 53 B 437				

SP-1 STAK-PAK FUSE ASSORTMENTS

- Neat, Convenient Way to Carry Fuses
- Compact Design; Sturdy Metal Construction



An assortment of 50 fuses in a compact, unbreakable metal case. Ideal for the serviceman's tool box—no more loose fuses scattered about. Consists of rack and 10 boxes (5 fuses per box) of the most-needed types. Includes 1 box each: AGC 1/2-amp; AGC 3/4-amp; AGC 1-amp; AGC 3-amp; AGX 1/2-amp; MDL 1/2-amp; MDL 3/4-amp; MDL 1-amp; MTH 5-amp; 3 1/2x1 1/8x1 1/8". Shgp. wt., 1 lb.
53 B 418, NET 4.83

FUSETRON TYPE FNM LONG TIME LAG FUSES

Dual-element type. Fuse link operates only on high overloads or short-circuits; thermal cutout on low overloads. Thermal cutout cannot operate quickly on any load—provides long time lag, 1 1/2x1 1/4", 250 volt max., except 125 volts. U.L. Appr'd. 5 oz. 40 fuses per pkg.

Amps	Stock No.	PER PKG. OF 10	Amps	Stock No.	PER PKG. OF 10
1	53 B 485		6 1/4	53 B 493	
2 1/2	53 B 489	2.44 2.07	8	53 B 494	
4	53 B 491		10	53 B 495	2.44 2.07
5	53 B 492		15	53 B 496	

TYPE HKL AND HKR INDICATOR FUSEHOLDERS

For 1 1/4x1/4" fuses. HKL has neon indicator which lights when fuse is blown. HKR for use in 100 to 250-volt circuits. U.L. Approved. HKR is for 32-volt circuits; has incandescent indicator. 1 oz.
53 B 501, Type HKL, 10-Up, EACH ... 1.08 1-9, EACH ... 1.26
53 B 502, Type HKR, 10-Up, EACH ... 1.75 1-9, EACH ... 2.06

BUSS AND G-C FUSE MOUNTINGS



For radio, TV, autos, etc. All are Buss, except *G-C. Fuse projects beyond holder; always easy to remove. †Screw terminals. Av. wt., 1 oz.

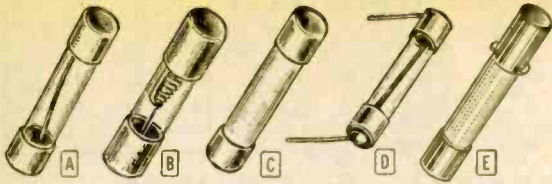
Stock No.	Type	For Fuses	NET	Stock No.	Type	For Fuses	NET
53 B 500	HPC	1 1/2x1 1/4"	.44	53 B 480	4405	1 1/4x1/4"	.13
53 B 477	HKP	3/2x1 1/4"	.43	53 B 481	4408	Double 4405	.26
53 B 475	HKM	1/2x1 1/4"	.30	41 B 735	1749	2 1/2x1 1/4"	.14
53 B 478	HJM	1x1/4"	.30	41 B 737	4513	1 1/4x1/4"	.34

G-C "SPEEDX" FUSE PULLERS

Permits quick removal of cartridge-type fuses. Has non-slip construction. Laminated insulation of high dielectric material prevents shock from dangerous high voltages.

Stock No.	Mfr's Type	For Fuse Diameters	Shgp. Wt.	NET EACH
45 N 836	5525	1/2" to 1 1/2"	6 oz.	.59
45 N 837	5526	1/2" to 1 1/2"	7 oz.	1.27

Littelfuse Fuses and Mountings



TYPE 3AG STANDARD FUSES

A Series 312000. Dependable, quick-acting fuses for short time-lag uses. High operating temperatures do not affect fuse characteristics. Size: 1 1/4" long x 1/4" dia. Pkg. wt., 2 oz. 5 fuses per package.

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
1/16	250	52 B 242	.62	.53	3/4	250	52 B 233	.41	.35
1/8	250	52 B 230			1	250	52 B 234	.25	.21
15/100	250	52 B 671			1 1/2	250	52 B 235	.25	.21
.175	250	52 B 672			2	250	52 B 237	.22	.19
3/16	250	52 B 161			3	250	52 B 238	.31	.26
1/4	250	52 B 231	.41	.35	4	250	52 B 239	.31	.26
3/10	250	52 B 673			5	250	52 B 240	.31	.26
3/8	250	52 B 243			6	250	52 B 241	.31	.26
1/2	250	52 B 232			8	125	52 B 248	.44	.38

TYPE 3AG SLO-BLO FUSES

B Series 313000. Slo-Blo fuses with high time-lag to stand heavy surges. Designed for circuits having high inductive or capacitive surges. Also for circuits having heavy starting currents, such as motors and lamps. Units through 5 amps are U.L. Approved. Size: 1 1/4" long and 1/4" diameter. Shpg. wt., per pkg. 2 oz. 6 fuses per package.

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
1/100	125	52 B 185	1.15	.98	1	125	52 B 220	.82	.70
1/32	125	52 B 186	1.12	.98	1 1/4	125	52 B 253	.76	.65
1/16	125	52 B 187	.82	.70	1 1/2	125	52 B 198	.76	.65
1/10	125	52 B 252	.82	.70	2	125	52 B 254	.76	.65
1/8	125	52 B 188	.82	.70	2.6	125	52 B 179	.76	.65
15/100	125	52 B 189	.82	.70	2 1/2	125	52 B 257	.62	.53
.175	125	52 B 675			3	125	52 B 181		
3/16	125	52 B 190			3.2	125	52 B 182		
2/10	125	52 B 191			4	125	52 B 227		
1/4	125	52 B 921			5	125	52 B 223		
3/10	125	52 B 192	.82	.70	6 1/4	32	52 B 183	.62	.53
3/8	125	52 B 193			8	32	52 B 184		
1/2	125	52 B 923			10	32	52 B 226		
6/10	125	52 B 195	.82	.70	15	32	52 B 224	.62	.53
3/4	125	52 B 196			20	32	52 B 225		
8/10	125	52 B 197			30	32	52 B 677		

TYPE 3AB FUSES

C Series 314000. Steatite, powder-filled; for high-current use. Medium time lag. 1 1/4 x 1/4". Types thru 15 amps. U.L. App'v'd. 2 oz. 6 per pkg.

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
1	250	52 B 678	.53	.45	10	250	52 B 244	.50	.43
2	250	52 B 679	.53	.45	12	250	52 B 245	.53	.45
3	250	52 B 680	.53	.45	15	250	52 B 246	.53	.45
5	250	52 B 681	.50	.43	20	250	52 B 247	.53	.45
8	250	52 B 241	.50	.43	30	125	52 B 682	.62	.53

TYPE 4AG SLO-BLO FUSES

B Series 413000. Meet aircraft requirements. Open in 1 hr. on 135% overload; max. 60 sec., min. 5 sec. on 200%; imm. on shorts. 1 1/4 x 3/2". 2 oz. 5 per pkg.

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
2/10	250	52 B 994	1.09	.93	3	250	52 B 989	.82	.70
1/4	250	52 B 985			3 2/3	250	52 B 947		
3/10	250	52 B 995			5	32	52 B 990		
1/2	250	52 B 986	1.09	.93	6 1/4	32	52 B 949	.82	.70
6/10	250	52 B 997			8	32	52 B 960		
3/4	250	52 B 683			10	32	52 B 991		
1 1/4	250	52 B 998	1.09	.93	15	32	52 B 961	.82	.70
1/4	250	52 B 999			20	32	52 B 962		
1-6/10	250	52 B 945			25	32	52 B 963		
2	250	52 B 988	30	32	52 B 964	.82	.70		

TYPE 8AG FUSES

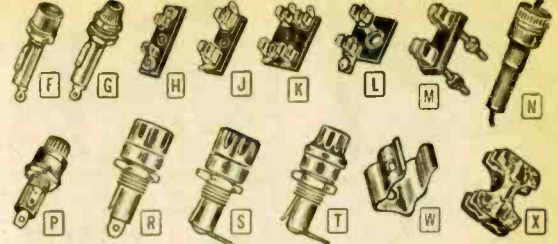
A Series 361000 Fast Action Instrument Fuse. All rated 250 max. volts, except * which is 32. 1 x 1/4". 2 oz. per pkg. 5 fuses per pkg.

Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
1/500	3	52 B 199	4.09	3.48	1/2	520	52 B 208	.38	.33
1/200	8	52 B 200	1.71	1.45	3/4	800	52 B 209	.38	.33
1/100	16	52 B 201	1.53	1.30	1	1300	52 B 210	.29	.25
1/32	40	52 B 202	1.32	1.13	1 1/2	1950	52 B 212	.29	.25
1/16	85	52 B 203	.82	.70	2	2600	52 B 211	.29	.25
1/8	155	52 B 205	.62	.53	3	3600	52 B 213		
1/4	270	52 B 206	.38	.33	5*	6000	52 B 214		

LIMITED-CURRENT BAYONET FUSES

E TV fuses for 346000 series bayonet-lock fuse holders only. Series 333000 are Slo-Blo; 332000 are regular. VtL, 2 oz. 5 fuses per pkg.

333000 Series (Slo-Blo N Type)					332000 Series (Regular C Type)				
Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Max. Volts	Stock No.	Per Pkg.	20 Pkgs. or more, Per Pkg.
.25	125	52 B 167	.87	.74	.25	250	52 B 732	.50	.43
.3	125	52 B 053			.3	250	52 B 168		
.4	125	52 B 130			.375	250	52 B 733		
.5	125	52 B 162			.5	250	52 B 050		
.6	125	52 B 054			.75	250	52 B 169			.50	.43
.7	125	52 B 055	.87	.74	1.0	250	52 B 734	.28	.24
.75	125	52 B 131			1.5	250	52 B 736	.28	.24
1.0	125	52 B 164			2.0	250	52 B 051	.28	.24
1.25	125	52 B 166			2.5	250	52 B 163	.28	.24
1.6	125	52 B 056			7.0	125	52 B 052	.37	.31



FUSE MOUNTINGS, RETAINERS, POSTS

Fuse holders for every application. *With fuse. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fix.	For Fuses	Description	NET EACH
41 B 720	317001	F	8AG, 3AB	Screw slot	.41
41 B 721	317001	F	8AG	Screw slot	.41
41 B 729	342001	G	4AG	Thumb knob	.82
41 B 727	342001	G	3AG, 3AB	Thumb knob	.41
41 B 728	372001	G	8AG	Thumb knob	.41
52 B 292	357001	H	3AG, 3AB	Lug term.	.13
52 B 285	387001	H	8AG	Lug term.	.13
52 B 294	356001	H	3AG, 3AB	Screw term.	.27
40 B 450	350218	J	3AG, 3AB	Single fuse mounting	.17
52 B 296	357002	K	2-8AG	Double fuse mounting	.25
52 B 297	357002	K	2-3AG or 3AB	Double fuse mounting	.25
52 B 295	383002	L	8AG	"Meter-back" mounting	.21
52 B 291	353001	M	3AG, 3AB	Panel type mounting	.35
41 B 788	155009	N	*SFE, (9 a.)	Inline fuse retainer	.31
41 B 798	155014	N	*SFE, (14 a.)	Inline fuse retainer	
41 B 789	155020	N	*SFE, (20 a.)	Inline fuse retainer	
41 B 795	342012	P		Extractor post	
52 B 262	342014	R	3AG	Miniature fuse post	.30
52 B 263	342014	S	3AG	Miniature fuse post	.35
52 B 264	342022	T	3AG	Miniature fuse post	.35

52 B 685, Fig. W. Type 101001 Fuse Clips. Fit SFE, 3AG, 8AG and 52 B 685. Shpg. wt. per package, 3 oz. 10 clips per package. NET PER PACKAGE .17

41 B 733, Fig. X. Type 350130 Fuse Holders. Fit 3AG fuses. Shpg. wt., 2 oz. NET EACH .18

FUSEMASTER RACK ASSORTMENT

* Includes 20 Boxes—100 Most Popular Fuses

Type 094047, 100 assorted fuses in a clear plastic rack. Ideal for service shops; inventory control backboard permits taking fuse inventory at a glance. Includes 3AG types: 10—1/4-amp, 10—1/2-amp, 5—1-amp, 5—2-amp, 5—5-amp, 10—1/4-amp SB, 5—1/2-amp SB, 5—1-amp SB, 5—2-amp SB, 5—3-amp SB, 10—5-amp SB; also "N" types: 5—3/10-amp, 5—4/10-amp, 5—1/2-amp; and "C" type: 10—3/10-amp, 11x7/4x2". 2 lbs. NET 11.93



SERVICEMEN'S FUSE CADDIES

Type 094041. Designed to fit in tube caddy. Contains 15 boxes (5 fuses per box) of Types C and N limited-current fuses marked by * in table below. Rated 250 v., except 7 amp, 125 v. Clear plastic case has 3 spare compartments. Size, 1 1/2 x 3 x 1/4". Shpg. wt., 2 lbs. NET 10.58

Type 094037. Fuse caddy as above but contains 14 boxes of fuses (types indicated by symbol†). Also includes emergency kit with various radio fuses in popular values. Shpg. wt., 2 lbs. NET 7.88

Type	Amps	Type	Amps	Type	Amps
C (Regular)	3*	N (Slo-Blo)	.6*	3AG	2.0†
C (Regular)	5*	N (Slo-Blo)	1*	3AG	3.0†
C (Regular)	7.5*	N (Slo-Blo)	1.25†	3AG (Slo-Blo)	.25†
C (Regular)	2.5†	N (Slo-Blo)	1.6*	3AG (Slo-Blo)	.5†
C (Regular)	7*	N (Slo-Blo)	2*	8AG-U.L.	.25†
N (Slo-Blo)	.25†	3AG	.25†	8AG-U.L.	.5†
N (Slo-Blo)	3*	3AG	.5†		
N (Slo-Blo)	.5*	3AG	1†		

TYPE 3AG PIGTAIL FUSES

D Series 318000. Fast-acting type. All have 1 1/4" tinned copper leads. Size, 1 1/4 x 1/4". Shpg. wt. per pkg., 2 oz. 5 fuses per package.

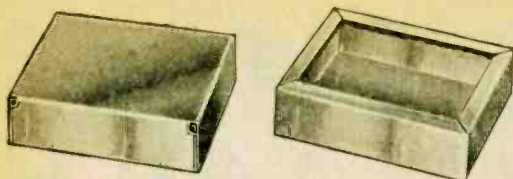
Stock No.	Amps	Volts	Per Pkg.	20 Pkgs. or more, Per Pkg.
52 B 215	1/2	250	.62	.53
52 B 279	1/2	250	.62	.53
52 B 928	1/2	250	.47	.40

TYPE SFE 32-VOLT AUTO FUSES

A Series 307000. Medium-acting fuses. Sizes specified by S.A.E. Specially grooved element strengthens fuses against vibrations. U.L. Approved. Max. volts, 32. 1/2" dia. 2 oz. per pkg. 5 fuses per pkg.

Amps	Stock No.	Length	Per Pkg.	20 Pkgs. or more, Per Pkg.	Amps	Stock No.	Length	Per Pkg.	20 Pkgs. or more, Per Pkg.
4	52 B 250	3/4"	.17	.14	14	52 B 265	1 1/2"	.14	.11
6	52 B 255	3/4"	.17	.14	20	52 B 270	1 1/2"	.14	.11
7 1/2	52 B 274	3/4"	.17	.14	30	52 B 275	1 1/2"	.18	.15
9	52 B 260	3/4"	.16	.13					

Bud Metal Products



STANDARD CHASSIS BASES

Have one-piece construction; corners are reinforced and spot-welded. The four sides are folded at the bottom for additional strength. Aluminum types are spot-welded. Steel chassis gauges: *No. 22; †No. 20; §No. 18. Aluminum chassis gauges (aluminum gauge): †No. 18; **No. 16; ††No. 14. Less bottom plates. AC-403: 2x9½x5".

Allied stocks the complete Bud line of metal goods. Even if the Bud equipment you require is not listed, Allied can fill your order quickly.

H. W. D. Inches	Black-Wrinkle Steel				Zinc-Plated Steel				Aluminum			
	Stock No.	Type	Lbs.	NET	Stock No.	Type	Lbs.	NET	Stock No.	Type	Lbs.	NET
2x6x4									86 P 930	AC-431†	1½	1.08
2x7x5	80 P 456	CB-628*	1	1.05	86 P 277	CB-629*	1	1.27	86 P 112	AC-402†	1½	1.15
2½x9½x5	80 P 457	CB-644*	1½	1.34	86 P 905	CB-645*	1½	1.64	86 P 113	AC-403†	1½	1.22
1½x9½x5	80 P 458	CB-788*	1	1.18	86 P 906	CB-776*	1	1.66				
3x6x4									86 P 932	AC-430†	1½	1.31
3x7x5									86 P 933	AC-429**	1½	1.39
3x9½x5									86 P 114	AC-421†	1½	1.57
3x13x5									86 P 127	AC-404†	1½	1.60
3x14x6	80 P 460	CB-755†	1½	1.71	86 P 907	CB-756†	1½	2.01	86 P 934	AC-422†	1½	1.80
3x17x6												
2x7x7	80 P 461	CB-789†	1½	1.18	86 P 272	CB-1191†	1½	1.47	86 PX 935	AC-433**	1½	2.62
2x9x7	80 P 462	CB-790†	1½	1.37	86 P 273	CB-1192†	1½	1.56	86 P 115	AC-405†	1½	1.32
2x11x7	80 P 463	CB-791†	1½	1.42	86 P 274	CB-1193†	1½	1.64	86 P 116	AC-406†	1½	1.43
3x12x7	80 P 464	CB-792†	1½	1.51	86 P 275	CB-793†	1½	2.01	86 P 117	AC-407†	1	1.55
2x13x7	80 P 465	CB-646†	2	1.54	86 P 276	CB-1194†	2	1.88	86 P 118	AC-408†	1½	1.96
2½x13½x5	80 P 466	CB-647†	2	1.73	86 P 908	CB-1198†	2	2.13	86 P 119	AC-409†	1½	1.64
3x15x7	80 PX 467	CB-648†	2½	1.96	86 PX 909	CB-1189†	2½	2.25	86 PX 936	AC-411**	1½	2.62
3x15x8½	80 PX 468	CB-657†	2½	2.20	86 PX 910	CB-666†	2½	2.66				
3x17x4	80 PX 469	CB-1068†	2½	1.95	86 PX 911	CB-1066†	2½	2.10	86 PX 937	AC-432**	1½	2.28
2½x17x7	80 PX 470	CB-648†	2½	1.76	86 PX 912	CB-1199†	2½	2.32				
3x17x7	80 PX 471	CB-757†	1½	2.11	86 PX 913	CB-758†	1½	2.54	86 PX 938	AC-423**	1½	2.69
2½x10x8	80 PX 472	CB-701†	2	1.69	86 PX 914	CB-702†	2	1.98				
2½x12x8	80 PX 473	CB-703†	2½	1.71	86 PX 915	CB-704†	2½	2.20	86 P 939	AC-424**	1½	2.37
3x12x8	80 P 474	CB-759†	1½	1.81	86 P 916	CB-760†	1½	2.29	86 PX 940	AC-425**	1½	2.46
2x17x8	80 PX 475	CB-650†	2½	1.67	86 PX 917	CB-774†	2½	2.29	86 PX 120	AC-412**	1½	2.78
3x17x8	80 PX 476	CB-651†	3½	2.01	86 PX 918	CB-775†	3½	2.57	86 PX 941	AC-413**	1½	2.62
3x12x10	80 P 477	CB-652†	3	1.85	86 P 919	CB-1195†	3	2.29	86 PX 942	AC-414**	1½	2.78
3x14x10	80 P 478	CB-653†	4	2.00	86 P 920	CB-779†	4	2.49	86 PX 943	AC-415**	1½	2.63
2x17x10	80 PX 479	CB-654†	3½	1.96	86 P 278	CB-769†	3½	2.34				
3x17x10	80 PX 480	CB-636†	4	1.96	86 PX 921	CB-1196†	4	2.99				
3x17x10	80 PX 481	CB-655†	5	2.49	86 PX 385	CB-637†	5	2.78	86 PX 122	AC-426**	2½	3.35
3x23x10	80 PX 482	CB-656†	5½	2.80	86 PX 922	CB-1197†	5½	3.35	86 PX 123	AC-417†	2½	3.89
2x17x11	80 PX 483	CB-657†	4½	2.30	86 PX 923	CB-770†	4½	2.75				
3x17x11	80 PX 484	CB-658†	4½	2.71	86 PX 926	CB-771†	4½	3.42				
2x17x12	80 PX 485	CB-663†	4½	2.39	86 PX 925	CB-661†	4½	3.03	86 PX 128	AC-418†	2½	4.00
3x17x12	80 PX 486	CB-659†	5	2.85	86 PX 268	CB-662†	5	3.60	86 PX 129	AC-419†	2½	3.44
2x17x13	80 PX 487	CB-659†	5	2.85	86 PX 269	CB-663†	5	3.65	86 PX 124	AC-420†	2½	4.17
3x17x13	80 PX 488	CB-660†	5½	3.34	86 PX 270	CB-773†	5½	3.99	86 PX 125	AC-421†	3	4.42
4x17x10	80 PX 489	CB-640†	6½	2.86	86 PX 926	CB-641†	6½	3.44	86 PX 126	AC-422†	3	4.42
4x17x13	80 PX 490	CB-642†	7½	3.84	86 PX 927	CB-643†	7½	4.59	86 PX 125	AC-428†	3½	5.15
5x17x10	80 PX 491	CB-623†	7	4.42	86 PX 928	CB-624†	7	5.23				
5x17x13	80 PX 492	CB-625†	8	4.83	86 PX 929	CB-626†	8	5.81				

BOTTOM PLATES FOR CHASSIS BASES

Bottom plates to fit the chassis bases listed above. Ideal for shielding. In zinc-plated or black ripple heavy-gauge steel plate and aluminum. Four raised bosses in corners to prevent marring and scratching of table-tops or shelves. Drilled for use with No. 6 self-tapping screws.

raised bosses in corners to prevent marring and scratching of table-tops or shelves. Drilled for use with No. 6 self-tapping screws.

Size	Lbs.	Black Wrinkle				Zinc Plated				Aluminum			
		Stock No.	Type No.	NET	Stock No.	Type No.	NET	Stock No.	Type No.	Lbs.	NET		
5x7"	½	80 P 396	BP-705	.56	80 P 406	BP-706	.68	80 P 426	BPA-1589	½	.73		
5x9½"	¾	80 P 387	BP-680	.61	80 P 407	BP-667	.73	80 P 427	BPA-1590	¾	.77		
5x10"	¾	80 P 388	BP-536	.66	80 P 408	BP-538	.72	80 P 428	BPA-1591	¾	.73		
7x7"	1	80 P 389	BP-681	.90	80 P 409	BP-668	.95	80 P 429	BPA-1592	1	.75		
7x9"	1	80 P 390	BP-682	.92	80 P 410	BP-669	.97	80 P 430	BPA-1593	1	.78		
7x11"	1	80 P 391	BP-683	.93	80 P 411	BP-670	1.05	80 P 431	BPA-1594	1	.88		
7x12"	1½	80 P 392	BP-537	.97	80 P 412	BP-539	1.10	80 P 432	BPA-1595	1½	.95		
7x13"	1½	80 P 393	BP-684	1.00	80 P 413	BP-671	1.18	80 P 433	BPA-1596	1½	1.12		
5x13½"	1	80 P 394	BP-685	.82	80 P 414	BP-672	.98						
4x17"	1½	80 P 395	BP-1069	.82	80 P 415	BP-1067	1.05						
7x17"	1½	80 P 396	BP-686	.88	80 P 416	BP-673	1.34						
8x10"	1½	80 P 400	BP-707	.90	80 P 417	BP-708	1.03						
8x12"	1½	80 P 397	BP-709	1.04	80 P 418	BP-710	1.31						
8x17"	1½	80 P 398	BP-687	.93	80 P 419	BP-674	1.51						
10x12"	1½	80 P 399	BP-688	.93	80 P 420	BP-675	1.54						
10x14"	1½	80 P 401	BP-517	1.22	80 P 421	BP-514	1.30						
10x17"	1½	80 P 402	BP-689	1.18	80 P 422	BP-676	1.57						
11x17"	1½	80 P 403	BP-690	1.19	80 P 423	BP-677	1.53						
12x17"	2	80 P 404	BP-691	1.24	80 P 424	BP-678	1.83						
13x17"	2½	80 P 405	BP-692	1.44	80 P 425	BP-679	2.20	80 P 434	BPA-1597	2	1.49		
								80 P 435	BPA-1598	2½	2.03		

HEAVY-DUTY CHASSIS BASES



Rugged chassis bases. Formed of one-piece heavy ½" steel. Corners spot welded and sides folded over at bottom. Electro-zinc plated. With bottom plates and screws.

Stock No.	Type	H. W. D.	Lbs.	NET
86 PX 240	CB-1765	3x17x8"	7½	4.66
86 PX 242	CB-1767	3x17x11"	9	4.74
86 PX 243	CB-1768	2x17x13"	9½	5.23
86 PX 244	CB-1769	3x17x13"	10	5.32
86 PX 946	CB-1770	4x17x13"	11	5.73

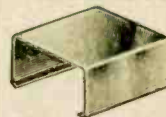
OPEN-END CHASSIS



Open-end, heavy-gauge aluminum chassis. Have U-shaped construction with ends folded over ¾" to provide additional strength. Available in a wide variety of sizes. Excellent for use with Bud cabinets specified in table, below. Av. shpg. wt., 1½ lbs.

Stock No.	Type	H. W. D.	For Cabinet	NET
80 P 437	CB-30	1½x7x5"		.95
80 P 438	CB-31	1½x7x7½"	C-973	1.22
80 P 440	CB-396	1½x9x5½"	C-993	1.07
80 P 441	CB-376	1½x9x7½"	C-999, CD-1481	1.37
80 P 443	CB-397	1½x11x7"	C-994, CD-1482	1.27
80 P 444	CB-398	1½x13x7"	C-995, CD-1483	1.56
80 P 436	CB-38	2x6x7"	C-1584	.98
80 P 439	CB-39	2x8x7"	C-1585	1.15
80 P 442	CB-40	2x10x7"	C-1586	1.34

MINIATURE ALUMINUM CHASSIS

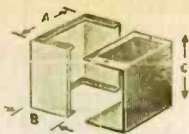


Open-end aluminum chassis for limited space applications. Excellent for use with miniature tubes and for sub-assemblies. Have ½" mounting flanges. Av. shpg. wt., ½ lb.

Stock No.	Type	H. W. D.	For Cabinet	NET
80 P 446	CB-1624	1x3¼x1½"	CU-883	.41
80 P 452	CB-1617	1x3¼x4"	C-1606	.40
80 P 448	CB-1626	1x3¼x2½"	CU-728	.44
80 P 453	CB-1618	1x3¼x2"	C-1607	.49
80 P 454	CB-1619	1x5¼x4"	C-1608	.52
80 P 455	CB-1620	1x6¼x4"	C-1609	.54
80 P 445	CB-1623	1½x2¼x2½"		.37
80 P 450	CB-1628	1½x6¼x3"	C-1788	.52
80 P 449	CB-1627	1½x4¼x3¾"	CU-729	.44
80 P 451	CB-1629	1½x4¼x5¾"	CU-1098	.56
80 P 447	CB-1625	2x3¼x3¾"	C-1788	.47

ALUMINUM MINIBOXES

Two-piece aluminum boxes with gray hammer-tone or natural aluminum finish. Particularly suited for sub-assemblies. May be used for amplifiers, converters, TVI filters, test units, etc. Two-piece construction permits easy access to circuitry. Flanges assure low RF leakage and high rigidity. Dual-purpose snap locks permit quick assembly and disassembly; also permit use with self-tapping screws (supplied).



Size AxCxB	Shpg. Wt. Lbs.	Gray Hammer-tone	Mfr's Type	NET EACH	Natural Aluminum	Mfr's Type	NET EACH
2 1/2 x 2 1/2 x 1 3/8"	3/4	80 P 342	CU-2100A	.73	80 P 360	CU-3000A	.58
3 1/2 x 2 1/2 x 1 3/8"	3/4	80 P 359	CU-2117A	.76	80 P 377	CU-3017A	.61
3 1/2 x 2 1/2 x 1 1/2"	3/4	80 P 343	CU-2101A	.74	80 P 361	CU-3001A	.60
4x2x2 1/4"	3/4	80 P 357	CU-2115A	.90	80 P 375	CU-3015A	.73
4x2 1/2 x 1 1/2"	3/4	80 P 344	CU-2102A	.78	80 P 362	CU-3002A	.63
4x2 1/2 x 2 1/4"	3/4	80 P 345	CU-2103A	.88	80 P 363	CU-3003A	.71
4 1/2 x 2 1/2 x 1 1/2"	3/4	80 P 358	CU-2116A	.90	80 P 376	CU-3016A	.73
5x2 1/2 x 2 1/4"	3/4	80 P 346	CU-2104A	.93	80 P 364	CU-3004A	.74
5x4x3 1/2"	3/4	80 P 347	CU-2105A	1.18	80 P 365	CU-3005A	.94
5 1/2 x 3x2 1/2"	3/4	80 P 348	CU-2106A	1.00	80 P 366	CU-3006A	.80
6x5 1/4"	3/4	80 P 349	CU-2107A	1.47	80 P 367	CU-3007A	1.18
7x5 3/4"	3/4	80 P 350	CU-2108A	1.62	80 P 368	CU-3008A	1.29
8x3 3/4"	1	80 P 351	CU-2109A	2.06	80 P 369	CU-3009A	1.65
10x2 1/2 x 1 1/2"	1	80 P 355	CU-2113A	1.18	80 P 373	CU-3013A	.94
10 5/8 x 3 1/2"	1 1/4	80 P 352	CU-2110A	2.30	80 P 370	CU-3010A	1.84
12 1/2 x 2 1/2 x 1 1/2"	1 1/4	80 P 356	CU-2114A	1.52	80 P 374	CU-3014A	1.22
12 7/8 x 4"	1 1/4	80 P 353	CU-2111A	3.14	80 P 371	CU-3011A	2.51
17x5 1/4"	2 1/4	80 P 354	CU-2112A	3.14	80 P 372	CU-3012A	2.51

STREAMLINED CABINETS

Steel cabinets for electrical or electronic devices not requiring excessive depth. Feature recessed hinged cover with convenient finger lift; panels fit flush with embossed, rounded corner fronts. All components built into cabinets are easily accessible. Have 3 1/2" high opening across the back for cables or rear controls. Lowered sides provide ample ventilation. All are 8" high and 8 1/2" deep except 1 1/2" high and 1 1/2" deep. CD-1483 has 1/2" vertical chrome strip fastened to corners. Bud open-end chassis are recommended for use in these cabinets. Choice of gray hammer-tone or black wrinkle finish.



Width	Panel	Mfr's Type	Gray Hammer-tone	Black Wrinkle	Wt. Lbs.	NET EACH
10 1/2"	8x8"	CD-1480	88 PX 650	88 PX 651	5 1/2	5.78
12"	8x10"	CD-1481	88 PX 652	88 PX 653	6	6.39
14 1/2"	8x12"	CD-1482	88 PX 654	88 PX 655	6 1/2	6.18
16 1/2"	8x14"	CD-1483	88 PX 656	88 PX 657	7	6.63
18 1/2"	8x16"	CD-1484	88 PX 658	88 PX 659	7 1/2	7.21
20"	12x18"	CD-1485*	88 PX 660	88 PX 661	15	14.65

COWL-TYPE MINIBOXES

Bud's cowl-type miniboxes. Attractively styled; easily drilled or punched. Have projecting cover which reduces glare on the panel from overhead lighting. Also provide protection for knobs, switches, and meter faces. May be used for housing receivers, transmitters, test equipment, etc. Cover has two 1/2" box braces to which bottom is attached with #6 sheet metal screws provided. This construction results in a sturdy, rigid housing. All are made of long-lasting, 18-gauge aluminum. Choice of handsome, gray hammer-tone finish or natural aluminum finish.



Size H.W.D.	Shpg. Wt. Lbs.	Gray Hammer-tone	Mfr's Type	NET EACH	Natural Aluminum	Mfr's Type	NET EACH
6x10 1/2"	1 1/4	88 PX 684	SC-2130	5.83	88 PX 688	SC-3030	4.21
7x12 1/8"	1 1/2	88 PX 685	SC-2131	6.37	88 PX 689	SC-3031	4.61
3x8 1/2"	1	88 P 686	SC-2132	3.38	88 P 690	SC-3032	2.40
5x5 1/2"	1	88 P 687	SC-2133	3.53	88 P 691	SC-3033	2.55

METAL UTILITY CABINETS

Metal utility cabinets for all types of electronic equipment. Excellent for housing receivers, monitors, VFO's, test equipment, frequency meters, transmitters, etc. Well adapted for shielding of high gain preamplifiers, RF sections, other special circuits. Two removable panels attach to flanges with self-tapping screws. *Aluminum.



Size, H.W.D.	Mfr's Type	Wt. Lbs.	Stock No. (Steel)		NET EACH	
			Black	Gray		
4 1/2 x 4 1/2"	CU893	3/4	86 P 200	80 P 332	1.07	
4 1/2 x 5 1/2"	CU728	3/4	86 P 201	80 P 333	1.20	
6x5 1/4"	CU729	1 1/4	86 P 202	80 P 334	1.35	
6x6 1/2"	CU1098	2 1/2	86 P 203	80 P 335	2.05	
9x6 1/2"	CU1099	3	86 P 204	80 P 336	2.29	
10x8 7/8"	CU879	5	86 PX 205	80 PX 337	3.27	
10x10 1/2"	CU880	5 1/2	86 PX 207	80 PX 339	3.93	
12 1/2 x 6 1/2"	CU1124	4	86 PX 206	80 PX 338	3.22	
12 1/2 x 8 1/2"	CU881	6	86 PX 208	80 PX 340	4.25	
15 1/2 x 7"	CU882	6 7/8	86 PX 209	80 PX 341	4.42	
Size, H.W.D.	Mfr's Type	Wt. Lbs.	Etched Aluminum	NET EACH	* Gray Hammer-tone	NET EACH
4 1/2 x 4 1/2"	AU-1083	3/4	88 P 543	1.26	88 P 548	1.47
4 1/2 x 5 1/2"	AU-1028	3/4	88 P 544	1.34	88 P 549	1.64
6x5 1/4"	AU-1029	1 1/4	88 P 545	1.47	88 P 550	1.80
6x6 1/2"	AU-1039	1 1/2	88 P 546	2.13	88 P 551	2.37
9x6 1/2"	AU-1040	1	88 P 547	2.46	88 P 552	2.78

UNIVERSAL SLOPING-PANEL CABINETS

Versatile, streamlined sloping-panel cabinets available in steel or aluminum. Offer enough space to house a two or three miniature tube amplifier or gadget. Sides and one-piece detachable back fasten to the body with self-tapping screws for easy service and replacement of components. Fully enclosed to exclude dust and moisture. Easily accommodate most small chassis. All units are 4" high, 3 1/2" deep. Finished in attractive, gray hammer-tone finish.



Width	Steel Stock No.	Mfr's Type	Shpg. Wt. Lbs.	NET EACH	Aluminum Stock No.	Mfr's Type	Shpg. Wt. Lbs.	NET EACH
4"	88 P 642	C-1606	3/4	1.42	88 P 646	AC-1610	3/4	1.65
5"	88 P 643	C-1607	3/4	1.52	88 P 647	AC-1611	3/4	1.71
6"	88 P 644	C-1608	1 1/4	1.62	88 P 648	AC-1612	1 1/4	1.86
7"	88 P 645	C-1609	1 1/4	1.86	88 P 649	AC-1613	1 1/4	2.06

SHIELDED-SURFACE RACK PANELS

1/8" thick, naturally bright aluminum alloy rack panels in blemish-free mill finish. Covered on both sides with sturdy, pressure sensitive white paper to protect against damage. Paper is excellent surface on which to mark panel for hole-cutting and drilling, 19" wide; standard notching.



Height	Shpg. Wt. Lbs.	Mfr's Type	Stock No.	NET EACH
1 3/4"	3/4	SFA-1831	88 PX 662	.95
3 1/2"	3/4	SFA-1832	88 PX 663	1.31
5 1/4"	1	SFA-1833	88 PX 664	1.76
7 1/2"	1 1/4	SFA-1834	88 PX 665	2.17
8 3/4"	2	SFA-1835	88 PX 666	2.61
10 1/2"	2 1/2	SFA-1836	88 PX 667	3.27
12 1/4"	2 3/4	SFA-1837	88 PX 668	3.77
14"	3	SFA-1838	88 PX 669	4.36
15 1/2"	3 1/2	SFA-1839	88 PX 670	4.87
17 1/2"	4	SFA-1840	88 PX 671	5.36
19 1/2"	4 1/4	SFA-1841	88 PX 672	5.87
21"	5	SFA-1842	88 PX 673	6.37

ALUMINUM AND STEEL CARRYING CASES

Ideal housings for portable receivers, test instruments, power supplies, radio-control units, field strength meters, phono oscillators, etc. Ruggedly constructed to withstand hard usage. Front and back panels mount with self-tapping screws. Panels are easily removable to provide access to interior; can be used for mounting components such as meters, relays, transformers, power resistors, etc. Available in either welded steel for maximum strength, or in aluminum for light weight. Steel units in black wrinkle or gray hammer-tone finish; aluminum units in natural, or gray hammer-tone finish.



PORTABLE STEEL CASES

Size H.W.D.	Mfr's Type	Wt. Lbs.	Stock No. Black	Stock No. Gray	NET EACH
9 1/2 x 5"	CC-1095	3 1/4	80 P 798	80 P 813	2.95
6 1/2 x 5"	CC-1091	3 1/4	80 P 799	80 P 814	2.95
12 1/2 x 6"	CC-1096	4	80 PX 808	80 PX 816	4.10
7 1/2 x 6 1/2"	CC-1092	4	80 PX 809	80 PX 817	4.10
15 1/2 x 7"	CC-1097	5	80 PX 810	80 PX 818	4.59
10 1/2 x 8 1/2"	CC-1100	5	80 PX 811	80 PX 819	4.74
9 1/2 x 7 1/2"	CC-1093	5	80 PX 812	80 PX 848	5.73

PORTABLE ALUMINUM CASES

Size H.W.D.	Mfr's Type	Wt. Lbs.	Stock No. Natural	NET EACH	Stock No. Gray	NET EACH
9 1/2 x 5"	ACC-2095	1 1/2	88 P 567	3.03	88 P 571	3.44
6 1/2 x 5"	ACC-2091	1 1/2	88 P 568	3.03	88 P 569	3.44
12 1/2 x 6"	ACC-2096	1 1/2	88 P 568	4.41	88 P 572	4.99
7 1/2 x 6 1/2"	ACC-2092	1 1/2	88 P 566	4.41	88 P 570	4.99

Bud Metal Products

MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS



Sturdily-made, unusually compact, steel utility cabinets with a built-in chassis attached to the front panel. Especially suitable for standing-wave bridges, frequency meters, small transistorized receivers, code practice oscillators, decade boxes, crystal sets, and many

other types of small, self-contained units. Removable front and rear panels fastened with self-tapping screws permit easy access to components and provide maximum layout flexibility. Black-wrinkle enamel finish.

Stock No.	Mfr's Type	Cabinet H.W.D.	Chassis H.W.D.	Wt., Lbs.	NET EACH
80 P 326	C-1793	4x4x2"	1 3/4 x 1 1/2"	3/4	1.31
80 P 327	C-1794	4x5x3"	1 1/4 x 1 1/2"	1	1.45
80 P 328	C-1795	5x4x3"	1 1/4 x 1 1/2"	1	1.59
80 P 329	C-1796	6x5x4"	1 3/4 x 1 1/2"	1 1/4	1.67
80 P 330	C-1797	5x6x4"	1 1/2 x 1 1/2"	1 1/4	1.88
80 P 331	C-1798	6x6x6"	1 1/2 x 1 1/2"	2 1/4	2.13

PANEL-MOUNTING CHASSIS

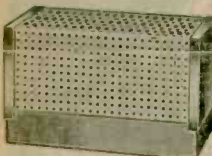


Ideal for vertical chassis installation where space in depth is limited or front service is desired. Open-side chassis for standard 19" mounting. .062" aluminum with reinforced corners. 1" flange on ends, with 4 elongated holes for mounting to any rack with std. panel notching. All other edges have 3/8" flanges. All models 17" wide, excluding flange, and 5 1/2" deep.

aluminum with reinforced corners. 1" flange on ends, with 4 elongated holes for mounting to any rack with std. panel notching. All other edges have 3/8" flanges. All models 17" wide, excluding flange, and 5 1/2" deep.

Stock No.	Type	Height	Lbs.	NET
86 PX 185	CB-1370	1 1/2"	3/4	2.25
86 PX 186	CB-1371	3 1/2"	1 1/4	2.54
86 PX 187	CB-1372	5 1/2"	1 1/2	2.78
86 PX 188	CB-1373	7 1/2"	2	3.19
86 PX 189	CB-1374	8 1/2"	2 1/4	3.68
86 PX 190	CB-1375	10 1/2"	2 3/4	4.34
86 PX 191	CB-1376	12 1/2"	3	4.74
86 PX 192	CB-1377	14 1/2"	3 1/2	5.23

STANDARD AMPLIFIER FOUNDATIONS



Ideal for most amplifier requirements. Foundations consist of regular chassis with rugged metal covers. Solid covers are used on ends of each cover for bracing and a snug fit to chassis. Heavy-

gauge metal screening assures proper protection and ventilation of components. Metal handles provide portability. Types CA-699, CA-1125, and CA-1126 have 2 1/2" high chassis; Type CA-1128 has 3" high chassis. All units have a black wrinkle finish.

Stock No.	Type	H.W.D.	Lbs.	NET
80 PX 697	CA-699	8 1/2 x 9 1/2 x 5 1/4"	3	5.50
80 PX 698	CA-1125	8 1/2 x 13 1/2 x 5 1/4"	4 1/2	6.30
80 PX 699	CA-1126	8 1/2 x 17 1/2 x 7 1/4"	6	7.11
80 PX 656	CA-1128	8 1/2 x 21 x 10 1/4"	7	7.37

SHADOW CABINETS



Versatile housing for amplifiers, test equipment, etc. Both front panels as well as the bottom may be removed for installation and servicing purposes. Front panel is recessed 1" to protect controls, meters, etc. Recessed panel and beveled front edges of cabinet provide attractive appearance. Body constructed of 18-gauge steel, panels of 16-gauge steel. Rubber feet attached to bottom of cabinet prevent marring of the surface on which it may be placed. Finished in attractive, light gray Hammertone.

Stock No.	Mfr's Type	Size H.W.D.	Use Bud Chassis	Wt., Lbs.	NET EACH
82 PX 746	SB-2100	8x14 1/2 x 10"	AC-424	11 1/4	6.37
82 PX 747	SB-2101	7 1/2 x 13 1/2 x 9"	AC-407	9 1/4	4.90
82 PX 748	SB-2142	9 1/2 x 17 1/2 x 11"	CB-666	15 1/2	8.67
82 PX 749	SB-2143	6x15 1/2 x 9"	AC-409	9 1/4	4.75

UTILITY CABINETS



Attractive housing with rounded corners. All constructed of 20 gauge steel. Front and rear panels removable; rear panel louvered for ventilation. 4 rubber feet. Body finished in dark gray enamel, panels in light gray enamel.

Stock No.	Mfr's Type	Size H.W.D.	Wt., Lbs.	NET EACH
88 P 692	CU-463	4 1/2 x 6 7/8 x 3 1/4"	1 1/4	5.39
88 P 693	CU-465	4 1/2 x 6 7/8 x 5 1/4"	2 1/4	6.22
88 P 694	CU-585	5 1/2 x 7 1/2 x 3 1/4"	3	8.18
88 PX 695	CU-587	5 1/2 x 8 1/2 x 3 1/4"	3 1/4	8.82
88 PX 696	CU-7125	7 1/2 x 12 1/2 x 3 1/4"	6	9.51
88 PX 697	CU-7127	7 1/2 x 12 1/2 x 3 1/4"	6	10.14

UNIVERSAL METER CASES



For use with 2" or 3" meters. With front panel for 2" meter. Knockout ring enlarges hole for a 3" meter. Have one-piece back and side attached with 4 screws. Top has two 1/8" knockouts for terminal posts or feed-throughs. Steel or aluminum; gray Hammertone 4 1/2 x 4 x 4".

Stock No.	Type	Material	Lbs.	NET
88 P 541	CM 1935	Steel	1	1.20
88 P 542	CMA 1936	Aluminum	1	1.14

INSTRUMENT AND RECEIVER CABINETS



Ruggedly constructed steel cabinets. Have recessed hinged cover for easy access. Front panel is held securely in place with self-tapping screws. Panel extends full width of cabinet—provides maximum space

for controls. Louvers on each side assure ample ventilation. Black wrinkle enamel finish.

Stock No.	Type	H.W.D.	Lbs.	NET
80 PX 378	C-973	7x8x8"	5	4.10
80 PX 379	C-993	7x10x8"	5 1/4	4.74
80 PX 380	C-994	7x12x8"	5 1/2	4.91
80 PX 381	C-995	7x14x8"	6	5.15
80 PX 382	C-1190	8x16x8"	7	7.45
80 PX 383	C-975	9x15x11"	8	9.01
80 PX 384	C-999	12x18x12"	15	9.72

MINIATURE AMPLIFIER FOUNDATION



Type CA-1754. Meets the requirements of builders employing miniaturized components. Chassis is only 2" high, 7" wide, and 5" deep. With cover fastened in place, entire unit stands only 6" high! All-steel construction. Removable cover includes a carrying handle. Cover is heavily perforated; fastened to chassis sides by 4 self-tapping screws. Black wrinkle finish. 1 1/2 lbs.

Stock No.	Type	Lght.	Mtg. Cr.	NET
86 P 214	NET EACH	3 1/4"	3 1/4"	3.92

STANDARD RACK PANELS



Heavy-duty rack panel constructed of 1/4" aluminum. All are 19" in width and have notched edges to fit mounting screw spacing of all standard telephone type relay racks. Light gray Hammertone finish.

Stock No.	Height	Wt., Lbs.	NET
88 PX 601	1 1/2"	3/8	1.07
88 PX 602	3 1/2"	3/8	1.39
88 PX 603	5 1/2"	1	1.88
88 PX 604	7 1/2"	1 1/4	2.37
88 PX 605	8"	2	2.78
88 PX 606	10 1/2"	2 1/2	3.52
88 PX 607	12 1/2"	3	4.01
88 PX 608	14"	3	4.66
88 PX 609	15 1/2"	3 1/2	5.23
88 PX 610	17 1/2"	4	5.73
88 PX 611	19 1/2"	4 1/2	6.30
88 PX 612	21"	5	6.87

NEW PORTACAB CABINETS



One Piece Aluminum Construction

Flexible Recessed Handles for Stacking

Well-Louvered for Adequate Ventilation

Recommended as housings for instrumentation requiring highly stylized appearance. The body is one-piece .050" aluminum with contoured corners. Panel is .062" aluminum. Flexible recessed handle permits easy portability as well as vertical stacking. Louvers point inward permitting side-to-side placement without loss of space. Welded back has opening. Four detachable rubber feet are provided. Available in gray hammertone finish only.

Stock No.	Mfr's Type	Size H.W.D.	Use Bud Chassis	Wt., Lbs.	NET EACH
88 PX 227	WA-1540	8x6 1/2 x 8"	AC-402	2 1/2	9.20
88 PX 228	WA-1541	9x8 1/2 x 12"	AC-407	3	12.00
88 PX 226	WA-1542	8x10 1/2 x 8"	AC-406	3 1/4	10.65
88 PX 229	WA-1543	11x11 1/2 x 18"	AC-416	6 1/2	13.50
88 PX 233	WA-1544	12x14 1/2 x 18"	AC-420	7 1/4	15.50

DESK-TYPE RACKS



A strong chassis ideally suited for mounting heavy components. Perfect for table mounting of low and medium power transmitters, P.A. systems, and other electronic equipment. Designed for use with standard 19" panels. No exposed edges. With hardware. Gray hammertone finish.

Stock No.	Mfr's Type	Panel Ht.	Overall Size	Wt., Lbs.	NET EACH
86 PU 879	RR-1248	21"	24x20 1/2 x 12 1/2"	15	8.92
86 PU 880	RR-1249	28"	31x20 1/2 x 12 1/2"	18	10.97

CHASSIS MOUNTING BRACKETS



An excellent accessory for adapting racks and cabinets to specific needs. A rugged, top-quality bracket formed of heavy gauge steel. Cut away at the bottom to provide clearance for a chassis 3" high. Finished in high-grade black enamel. For use with 4" chassis. Av. wt., 3 lbs.

Stock No.	Type	Ht.	Depth	Per Pr.
86 P 219	MB-458	6 1/2"	8"	1.07
86 P 220	MB-458	6 1/2"	10"	1.32
86 P 218	MB-459	6 1/2"	11"	1.47
86 P 221	MB-449	6 1/2"	12"	1.71
86 P 224	MB-460	6 1/2"	13"	1.66
86 P 222	MB-450	8 1/2"	10"	1.93
86 P 223	MB-451	8 1/2"	13"	2.05

UTILITY HANDLES



Strong handles with comfortable grip. Ideal for mounting on cabinets to afford portability. Made of tubular aluminum with etched finish. Shpg. wt., 2 oz.

Stock No.	Type	Lght.	Mtg. Cr.	NET
86 P 849	UH-71A	5 1/4"	4 1/4"	35c
86 P 899	UH-70A	3 1/4"	3 1/4"	29c

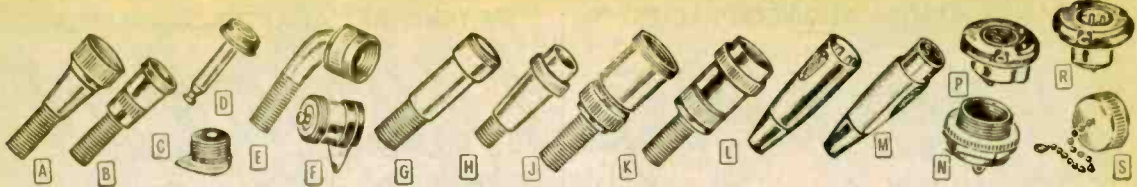
PLASTIC CASES AND PANELS



Molded black plastic cases and panels designed for test instrument mounting. Sturdily constructed to protect meter and components. Cases have recessed corner bosses for flush mounting of panels. Pre-drilled for 1/2" self-tapping screws. Case walls and panels are 1/4" thick.

Stock No.	Size H.W.D.	Wt., Lbs.	NET EACH
86 P 286	6 1/2 x 3 1/2 x 2"	1 1/2	.66
86 P 287	6 1/2 x 5 1/2 x 2 1/2"	2	.84

Stock No.	Size H.W.	Wt., Lbs.	NET EACH
86 P 288	6 x 3 1/2"	1 1/2	.60
86 P 289	6 1/2 x 2"	1	.48



MICROPHONE CONNECTORS

Most microphones listed in this catalog are supplied less connector. Choose from this complete selection of Amphenol connectors—you'll find one to meet any application. Precision construction assures con-

nections free from noise, leaks or shorts. Note: Type 75-MC1F (Fig. A) fits all Knight PA Amplifiers. When splicing 2 cords, use one 75-MC1F and one 75-MC1M connector for a strong, reliable joint.

SERIES 75 SINGLE BUTTON CONTACT TYPES

Standard connectors 3/8" 27 threads; 3/16" mounting holes. †Indicates miniature connectors that are approximately half the size and weight of standard counterparts with same specifications. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
41 H 958	75-MC1F	A	Combination cable plug & jack	.46
41 H 955	75-MC1M	B	Cable plug	.42
41 H 965	75-PC1M	C	Chassis receptacle, non-shorting	.37
41 H 962	75-MC1P	D	Phone plug adapter	.50
41 H 959	75-MC1FA	E	90° ankle cable jack	1.28
41 H 967	75-CL-PC1M	F	Chassis receptacle, closed circuit	.52
42 H 658	75-1	A	Straight plug	.48
42 H 659	75-2	B	Cable jack	.29
42 H 660	75-3	F	Locknut receptacle	.33

SERIES 80 SINGLE & DOUBLE PIN CONTACT TYPES

For shielded cables, single and two conductor coaxial cables, etc. Center contacts are pin and socket type. *Single-contact type. †Polarized, double-contact type. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
42 H 084	*80-C	N	Female chassis receptacle	.60
42 H 081	*80-C1	N	Male chassis receptacle	.60
42 H 080	*80-F	G	Female cable jack	.56
42 H 082	*80-F1	H	Female cable plug	.66
42 H 081	*80-M	H	Male cable plug	.64
42 H 663	*80-M1	G	Male cable jack	.52
42 H 082	*80-MC2F	G	Female cable jack	.62
42 H 664	*80-MC2F1	H	Female cable plug	.70
42 H 083	*80-MC2M	H	Male cable plug	.68
42 H 665	*80-MC2M1	G	Male cable jack	.52
42 H 085	*80-PC2F	N	Female chassis receptacle	.60
42 H 666	*80-PC2M	N	Male chassis receptacle	.60

† Type 75-CCC1 Cap and Chain. Seals open chassis units against dirt and dust. Chain has eye for securing to panel. Used with both series 75 and 80 receptacles. Shpg. wt., 3 oz. 40 H 381. NET .44

SERIES 91—3 AND 4-CONTACT TYPES

Microphone connectors for portable equipment. Polarized to prevent incorrect insertion. Clamps eliminate stress on soldered connections. *3-contact type. †4-contact type. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
41 H 970	*91-MC3F	J	Female cable jack	.84
42 H 667	*91-MC3F1	K	Female cable plug	.92
41 H 971	*91-MC3M	K	Male cable plug	.88
42 H 668	*91-MC3M1	J	Male cable jack	.80
41 H 972	*91-PC3F	N	Female chassis receptacle	.72
42 H 669	*91-PC3M	N	Male chassis receptacle	.82
41 H 977	*91-MC4F	J	Female cable jack	.98
42 H 670	*91-MC4F1	K	Female cable plug	.90
41 H 976	*91-MC4M	K	Male cable plug	.90
42 H 672	*91-MC4M1	J	Male cable jack	.82
41 H 978	*91-PC4F	N	Female chassis receptacle	.74
42 H 673	*91-PC4M	N	Male chassis receptacle	.82

† Type 91-CCC3 Cap and Chain. Protects chassis jacks from dust. Used for series 91 microphone connectors. Shpg. wt., 3 oz. 42 H 674. NET .38

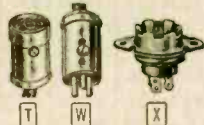
SERIES 91 "QUIK" 3 AND 4-CONTACT TYPES

Push together; released by slight pressure on lock button. Gold-plated (over silver) bronze contacts. Incorrect insertions are impossible because connectors are polarized. Satin-nickel plated, zinc-alloy shells. *3-contact type. †4-contact type. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
42 H 065	*91-853	L	Male cable plug	1.34
42 H 066	*91-854	M	Female cable plug	1.54
42 H 067	*91-855	R	Male chassis receptacle	1.00
42 H 068	*91-856	P	Female chassis receptacle	2.23
42 H 069	†91-857	L	Male cable plug	1.42
42 H 070	†91-858	M	Female cable plug	1.96
42 H 071	†91-859	R	Male chassis receptacle	1.04
42 H 072	†91-860	P	Female chassis receptacle	2.29

SERIES 91 MINIATURE CABLE CONNECTORS

Compact connectors for shielded or unshielded cables. Polarized contacts prevent incorrect insertion. For cables up to 1/4" dia. Last letter in Type No. indicates: L, long (1 1/2"); S, short (3/4"). Last fig. in Type No. denotes contacts. PCG—chassis type. Figs. T and W are female types; Fig. W, male types. Av. shpg. wt., 2 oz.



Stock No.	Type	Fig.	NET	Stock No.	Type	Fig.	NET
40 H 320	91-MPF3L	T	.38	40 H 574	91-MPM4S	W	.34
40 H 321	91-MPF3S	T	.36	40 H 575	91-MPM5L	W	.39
40 H 322	91-MPF4L	T	.42	40 H 328	91-MPM6L	W	.42
40 H 323	91-MPF4S	T	.35	40 H 330	78-PCG-3	X	.20
40 H 325	91-MPM3L	W	.35	40 H 331	78-PCG4	X	.24
40 H 324	91-MPM3S	W	.33	40 H 332	78-PCG5	X	.24
40 H 326	91-MPM4L	W	.35	40 H 333	78-PCG6	X	.29

SERIES 143 PRINTED CIRCUIT CONNECTORS

Precision connectors for printed circuit networks. Printed circuit board acts as male part of connector. Molded of diallyl phthalate dielectric; has gold plated contacts. Accept .061" to .071" printed circuit boards. *Polarizing keys. Av. shpg. wt., 2 oz.



Stock No.	Type	Contacts	NET	Stock No.	Type	Contacts	NET
41 H 590	143-006-01	6	1.53	40 H 501	143-018-01	18	1.63
40 H 503	143-010-01	10	1.05	40 H 502	143-022-01	22	1.83
42 H 675	143-012-01	12	1.88	42 H 676	143-953	22	.02
40 H 500	143-015-01	15	1.35				

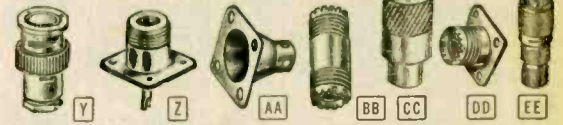
SERIES 133 PRINTED CIRCUIT PLUGS

Matching plugs for standard 143 series printed circuit connectors above. Have molded diallyl phthalate dielectric body, cadmium-plated brass guide pins, and cadmium-plated end caps and brass contacts with gold-over-silver plating. Rugged contacts are not subject to damage by mating or unmating at an angle. Average voltage rating, 2300 volts rms at sea level; current rating meets or surpasses any printed circuit board requirement. Av. shpg. wt., 2 oz.



Stock No.	Type	Contacts	NET	Stock No.	Type	Contacts	NET
42 H 856	133-006-21	6	2.20	41 H 086	133-015-21	15	2.90
41 H 085	133-010-21	10	2.50	41 H 087	133-018-21	18	3.08
42 H 857	133-012-21	12	3.08	41 H 088	133-022-21	22	3.33

CABLE CONNECTORS



Series 31 BNC Coaxial Connectors. Small weatherproof connector with bayonet coupling. Low-voltage, single contact. *For 50-ohm RG-55/U and RG-58/U cables, †For 70-ohm RG-59/U, FG-62/U and RG-71/U. Plugs mate with 31-003 or jacks. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	NET EACH
40 H 391	UG-88/U	31-002*	Y	Plug	1.11 .93
40 H 393	UG-89/U	31-005*	Y	Plug	1.20 1.00
40 H 396	UG-260/U	31-012†	Y	Plug	1.18 .98
40 H 397	UG-261/U	31-015†		Jack	1.24 1.04
40 H 395	UG-262/U	31-011†		Panel Jack	1.29 1.07
40 H 392	UG-290/U	31-003*		Receptacle	1.02 .85
40 H 399	UG-291/U	31-001*		Panel Jack	1.27 1.05

Series 82 N Coaxial Connectors. Low-voltage. 50 ohms; *70 ohms. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET EACH
40 H 313	UG-218/U	82-61	Plug for RG/U 8, 9, 10	1.91 1.59
40 H 520	UG-27A/U	82-64	Right-Angle Adapter	3.46 2.89
40 H 312	UG-58/U	82-24*	Receptacle	1.22 1.02
40 H 519	UG-107A/U	82-36	T Adapter	5.55 4.63

Series 83 UHF Coaxial Connectors. Small single contact. Widely used for RF applications. All exposed metal silver plated. Wt., 3 oz.

Stock No.	Type	Fig.	Description	NET EACH
40 H 357	UG-106/U	83-1H	AA For RG/U 8, 9, 10, 11, 12, 13, 63, 65	.27 .22
40 H 356	UG-363/U, PL-274	83-1F	Feed-Through Connector	1.98 1.65
40 H 354	M-358, 49199	83-1T	"T" Adapter	2.64 2.20
40 H 355	PL-258, 49191	83-11	BB Straight Adapter	1.15 .96
40 H 350	PL-259, 49190	83-1SP	CC For RG/U 8, 9, 10, 11, 12, 13, 63, 65	.73 .61
40 H 352	SO-239, 49194	83-1R	DD Receptacle Chassis Type	.75 .63

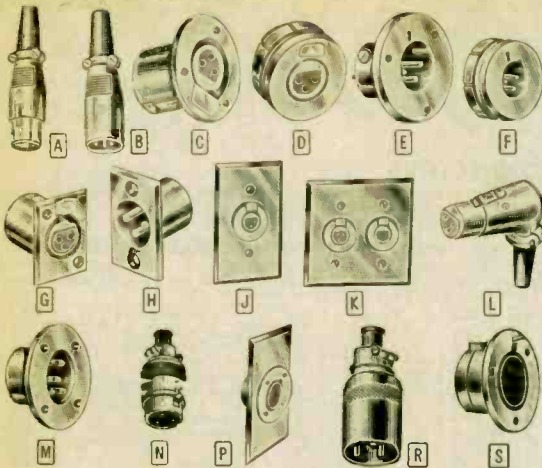
Solderless Type UHF Plug Connectors.

Stock No.	Type	Fig.	Description	NET EACH
40 H 509		83-850	EE Plug for RG/U 11	1.38 1.15
40 H 510		83-851	EE Plug for RG/U 8, 9, 10, 11, 12, 13, 63, 65	1.20 1.00

Allied stocks the complete line of Amphenol connectors; many are not listed in this catalog. Write, wire, or phone us for information!

Cannon, Switchcraft, and Lab-Tronics Connectors

CANNON PLUGS AND RECEPTACLES



TYPE XLR CONNECTORS

Audio connectors with clamp and resilient socket insulator. Minimize mechanical interference and reduce noise. Feature satin-nickel finish, integral cable clamp, neoprene cable relief and push-action latchlock. First number in type column indicates number of contacts. *2G in Type No. indicates 2 gang. Available with three 15-ampere contacts, or four 10-ampere contacts. †Wall-type receptacles; ‡panel-type receptacles. †Indicates steel shell, others are die-cast zinc. Av. shpg. wt., 4 oz.

STRAIGHT CORD PLUGS

Stock No.	Mfr's Type	Fig.	Description	NET
40 H 790	XLR-3-11C	A	Female (socket insert)	1.29
4 H 212	XLR-4-11C	A	Female (socket insert)	1.64
40 H 983	XLR-3-11SC†	A	Female (socket insert)	3.49
40 H 984	XLR-4-11SC†	A	Female (socket insert)	3.55
40 H 791	XLR-3-12C	B	Male (pin insert)	1.13
41 H 213	XLR-4-12C	B	Male (pin insert)	1.20
40 H 985	XLR-3-12SC†	B	Male (pin insert)	2.88
40 H 986	XLR-4-12SC†	B	Male (pin insert)	2.87

WALL AND PANEL RECEPTACLES

Fig.	Mfr's Type	Description	NET
41 H 214	XLR-3-13†	C Female (socket insert)	1.85
41 H 215	XLR-4-13†	D Female (socket insert)	1.93
41 H 216	XLR-3-13N†	D Female (socket insert)	2.14
41 H 217	XLR-4-13N†	D Female (socket insert)	2.20
41 H 218	XLR-3-14*	E Male (pin insert)	.83
41 H 219	XLR-4-14*	E Male (pin insert)	.87
41 H 223	XLR-3-14N†	F Male (pin insert)	1.73
41 H 224	XLR-4-14N†	F Male (pin insert)	1.87

40 H 792	XLR-3-31*	G Female (socket insert)	1.93
41 H 225	XLR-4-31*	G Female (socket insert)	1.99
41 H 793	XLR-3-32*	H Male (pin insert)	1.10
41 H 226	XLR-4-32*	H Male (pin insert)	1.22
40 H 987	XLR-3-35*‡	J Female (socket insert)	4.03
40 H 988	XLR-3-35-2G*‡	K Female (socket insert)	7.42

90° PLUGS

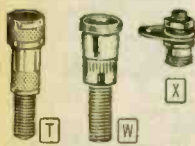
40 H 948	XLR-3-15	L Female (socket insert)	3.38
40 H 949	XLR-4-15	L Female (socket insert)	3.41

TYPE P CONNECTORS

3-contact receptacles and cable connectors for audio circuits. For any size wires up to No. 10. 30 amp capacity per contact. Black phenolic insulation. *Zinc with satin-chrome finish. †Steel shells and zinc cable clamp. ‡P-13 with satin-chrome brass plate.

40 H 707	P3-13*	S	Panel mount, female (socket)	3.68
40 H 757	P3-14*	M	Panel mount, male (pin)	2.19
40 H 724	P3-CG-11S†	N	Cable plug, female (socket)	4.16
40 H 701	P3-CG-12S†	R	Cable plug, male (pin)	4.24
40 H 709	P3-35‡	P	Wall mount, female (socket)	5.74

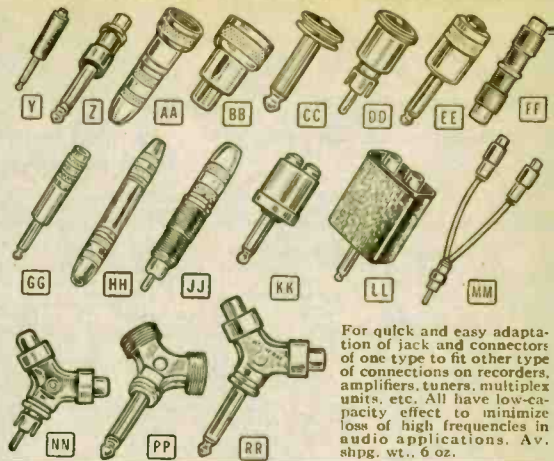
SWITCHCRAFT MINIATURE MIKE CONNECTORS



"Mini-Con" connectors for use with single-conductor cable up to 3/16" in diameter (single-conductor and a shield). Ideal for lapel microphones, musical instruments, etc.—half the size of standard mike connectors. Body and ring are nickel-plated brass. 5501F has removable coupling ring. Braid of cable can be soldered to spring; the spring is then clamped into body by hollow point set screw. Panel receptacle 5501MP mounts in 3/8" dia. hole; for insulated mounting, use insulating washers and 1/2" dia. mounting hole. Av. shpg. wt., 2 oz.

T	Type 5501F. Straight connector with single contact, female type coupling ring. Bright nickel-plated brass.	NET .35
W	Type 5501M. Straight connector, single contact, male type.	NET .26
X	Type 5501MP. Panel connector with male type single contact. Mounts by locknut on front of panel. Nickel-plated brass.	NET .21

SWITCHCRAFT ADAPTER-CONNECTORS



For quick and easy adaptation of jack and connectors of one type to fit other type of connections on recorders, amplifiers, tuners, multiplex units, etc. All have low-capacity effect to minimize loss of high frequencies in audio applications. Av. shpg. wt., 6 oz.

Stock No.	Type	Fig.	Description	NET
41 H 460	343	Y	Phono jack input; phone plug output. Built-in limiting resistor for cord. Phone plug out; phono jack in.	1.15 .73
40 H 382	345Z	Z	2-cond. phone jack input to female or male mike output; main body 1/2".	1.03
41 H 768	332A	AA	Phono jack input to female microphone connector output.	.73
41 H 769	334A	BB	Adapts Amphenol Type 75-MC1F or 75-MC1F-A connectors for use with standard 1/4" phone jacks.	.29
41 H 657	44	CC	Phono plug to male mike connector. 2-cond. "tjni-jack" input; standard phone plug out.	.85
41 H 773	338A	DD	Phono plug to male mike connector. 2-cond. "tjni-jack" input; standard phone plug out.	.58
40 H 940	364	EE	Phono plug to male mike connector. 2-cond. "tjni-jack" input; standard phone plug out.	.85
41 H 774	349A	FF	Phono plug coupler mates with phono plug at each end; gray plastic.	.58
41 H 779	369	GG	Std. 2-cond. phone plug to 2-cond. short extension jack (used on late models Revere and Wollensak recorders).	1.18
40 H 938	361	HH	2-cond. phone jack coupler mates with phone plug at each end.	1.32
41 H 772	336A	JJ	2-conductor phone jack input to phono plug output; main body 1/2".	.85
41 H 649	346	KK	Tip jack input to phone plug output.	1.26
40 H 939	340	LL	2 standard phone jack inputs connected in parallel to 2-cond. phone plug output.	2.20
41 H 983	330F1	MM	Flexible Y-connector; 2 phono jacks to std. phono plug. Shielded, 4".	1.18
41 H 984	330F2	....	Same as above, but phono plug and phono jack to phono plug.	1.18
41 H 992	330F3	....	Same as above two types, but 1 phono plug to two phono plugs.	1.18
41 H 764	330F	NN	2 phono jacks connected in parallel to standard phono plug.	1.03
41 H 994	330M	PP	V-adapter; 2 male mike connectors to standard 2-cond. phone plug.	1.12
41 H 229	330PJ	RR	V-adapter; standard phone plug to 2 phono jacks.	1.12

NEW SWITCHCRAFT HANDY ADAPTER KIT

Type 331A. Save time, eliminate poor connections and soldering jobs. Kit consists of 11 of the most frequently used audio adapters and one interconnecting cable, in a handy compartmented plastic box. Includes one each of Types 25A/F25, 25V, 330F1, 332A, 334A, 336A, 336B, 345A, and two each of 44 and 349A. Shpg. wt. 1 lb.



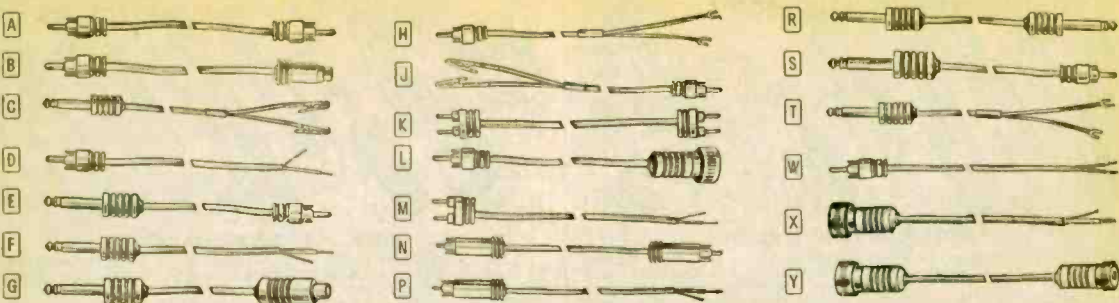
LAB-TRONICS JACK ADAPTERS, CONNECTORS



Type C400 allows rapid connection of two lines with pin plug ends. P55A allows connection of standard pin plug to phone jack. MP is pin plug with mike connector. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Description	NET
91 H 582	A754	SS	2 Phono Pin Jacks; Phono Pin Plug	1.18
91 H 458	C400	TT	Double-ended Phono Pin Jack	.59
74 H 289	P55A	WW	Phono Pin Jack; Phone Plug	.73
89 H 991	A750	XX	Phone Jack; Phono Pin Plug	1.03
89 H 992	A753	YY	Phone Jack; Phono Pin Plug	1.03
71 H 290	MP	ZZ	Mic; Phono Pin Plug	.59

Connector Cables, Connectors, Plugs



LAB-TRONICS AUDIO CONNECTOR CABLES

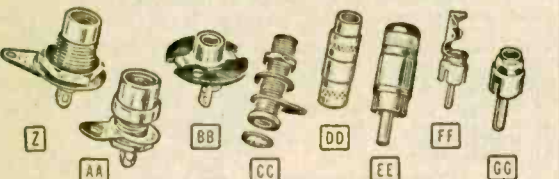
Invaluable accessories for trouble-free installation of hi-fi components. Cables are soldered prior to molding for noise-free connections.

Dual pin plugs on Figs. K and M are spaced 3/8" (standard) for stereo use. Bare ends tinned. *Indicates unshielded. Av. shpg. wt., 5 oz.

Stock No.	Type	Fig.	Description	NET
99 H 855	C101	A	18"; pin plug on each end	.53
99 H 856	C102	A	36"; pin plug on each end	.62
99 H 857	C103	A	72"; pin plug on each end	.79
99 H 992	C104	A	120"; pin plug on each end	1.09
94 H 456	C202	B	36"; pin plug one end, jack other end	.71
94 H 457	C203	B	72"; pin plug one end, jack other end	.88
99 H 993	C204	B	120"; pin plug one end, jack other end	1.18
89 H 957	P7210*	C	10"; phone plug one end, clips other end	1.15
89 H 964	P7220*	C	20"; phone plug one end, clips other end	1.44
94 H 470	C106	D	36"; pin plug one end, bare other end	.47
94 H 467	C107	D	72"; pin plug one end, bare other end	.65
99 H 994	C108	D	120"; pin plug one end, bare other end	.94
89 H 952	C4406	E	72"; pin plug one end, phone plug other end	1.09
89 H 965	C4410	E	10"; pin plug one end, phone plug other end	1.32
89 H 997	C4415	E	15"; pin plug one end, phone plug other end	1.62
89 H 953	C4006	F	72"; phone plug one end, bare other end	.94
89 H 966	C4010	F	10"; phone plug one end, bare other end	1.18
89 H 998	C4015	F	15"; phone plug one end, bare other end	1.47
89 H 750	C4606	G	72"; phone plug one end, jack other end	1.68
89 H 954	C4610	G	10"; phone plug one end, jack other end	1.85
99 H 999	C4615	G	15"; phone plug one end, jack other end	2.15
89 H 956	P6110*	H	10"; pin plug one end, lugs other end	.62
89 H 967	P6120*	H	20"; pin plug one end, lugs other end	.91
89 H 955	P6210*	J	10"; pin plug one end, clips other end	.85
89 H 968	P6220*	J	20"; pin plug one end, clips other end	1.15

Stock No.	Type	Fig.	Description	NET
89 H 960	SP8403	K	36"; dual pin plug on each end	2.15
89 H 961	SP8410	K	10"; dual pin plug on each end	2.76
89 H 958	E803	L	36"; mike connector one end, pin plug other	1.88
89 H 959	E806	L	72"; mike connector one end, pin plug other	1.09
89 H 962	SP8003	M	36"; dual pin plug one end, bare other end	1.65
89 H 963	SP8010	M	10"; dual pin plug one end, bare other end	2.26
89 H 978	S3415	N	15"; pin plug on each end	1.44
89 H 980	S3015	P	15"; pin plug one end, bare other end	1.25
89 H 981	P7310*	R	10"; phone plug on each end	1.35
89 H 982	P7320*	R	20"; phone plug on each end	1.63
89 H 983	P7410*	S	10"; phone plug one end, pin plug other end	1.06
89 H 984	P7420*	S	20"; phone plug one end, pin plug other end	1.35
89 H 985	P7106*	T	72"; phone plug one end, lugs other end	.79
89 H 986	P7110*	T	10"; phone plug one end, lugs other end	.91
89 H 987	P7120*	T	20"; phone plug one end, lugs other end	1.21
89 H 988	P6010*	W	10"; pin plug one end, bare other end	.56
89 H 989	P6020*	W	20"; pin plug one end, bare other end	.85
71 H 292	E1106	X	72"; mike connector one end, bare other end	.97
71 H 293	E1110	X	10"; mike connector one end, bare other end	1.26
89 H 751	E1125	X	25"; mike connector one end, bare other end	2.36
71 H 294	E906	Y	72"; male mike conn. one end, female other	1.26
71 H 295	E912	Y	10"; male mike conn. one end, female other	1.68
41 H 911	E925	Y	25"; male mike conn. one end, female other	2.99
89 H 990	P501*	...	10"; lugs on each end	.44
94 H 472	P502*	...	20"; lugs on each end	.73

SWITCHCRAFT JACKS AND PLUGS



Easy-to-install phono jacks and pin plugs. 3501FR is for rear panel mounting in 3/4" hole—fits panel up to 1/8" thick. 3501FF is for front panel mounting in 1/2" hole—fits panel up to 1/4" thick. 3501F and 3501M are std. 2-cond. audio connectors. 371 adapters phono jack for mounting in panels up to 1/2" thick; use with 3501FP. 3503 extension jack is shielded, has removable 1/2" O.D. shell with cable clamp. 3502 has 1/2" O.D. easy-grip, shielded handle. 3501MC is unshielded, has 3/8" O.D. shell with cable clamp. Av. shpg. wt., 3 oz.

41 H 759.	Type 3501FR Jack (Fig. Z)	EACH	.24
41 H 758.	Type 3501FP Jack (Fig. AA)	EACH	.21
41 H 574.	Type 3501F Jack (Fig. BB)	EACH	.09
41 H 598.	Type 371 Jack Adapter (Fig. CC)	EACH	.56
41 H 778.	Type 3503 Extension Jack (Fig. DD)	EACH	.35
41 H 762.	Type 3502 Plug (Fig. EE)	EACH	.29
41 H 763.	Type 3501MC Plug (Fig. FF)	EACH	.09
41 H 599.	Type 3501M Plug (Fig. GG)	EACH	.06

SHIELDED PHONO PIN PLUG AND JACK

Standard pin plug and jack universally used in most audio equipment. Take single conductor shielded cable. Av. shpg. wt., 1 oz. 3 per pkg.

46 H 212.	Pin Plug	NET PER PKG.	.13
46 H 213.	Pin Jack	NET PER PKG.	.16

G-C ELECTROCRRAFT DOUBLE PHONO JACK

Type 33-800. Two standard phono pin jacks mounted on a common base. Designed to mate with standard phono pin plugs. Size. 1 1/2" x 1". Four mounting holes. Shpg. wt., 2 oz.

41 H 179		NET EACH	.08
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G-C MOTOROLA-TYPE PLUG AND JACK

Antenna lead-in plug designed for connecting auto antenna coaxial lead-in cable to auto radio. Split brass shell has serrated edge for secure ground connection. Pin diameter, 1/4". Jack mates with plug; mounts in chassis or cabinet. Takes 3/4" hole. Has 1/16" mtg. centers. Shpg. wt., 2 oz.

Stock No.	Type	Fig.	Description	EACH
41 H 152.	1740	HH	Motorola-Type Plug	.10
41 H 144.	1741	JJ	Motorola-Type Jack	.13

AMPHENOL SOCKETS AND PLUGS

Single-contact sockets and plugs. Have molded phenolic bodies in black or red for quick identification. Sockets mount in 1/4" hole, and are supplied with Amphenol 2-11 retainer ring. Contacts are recessed 1/2" to prevent shorts and possibility of shock from exposed metal. Socket body may be used as a feed-through insulator. Single prong plugs match the tip jacks. Av. shpg. wt., 1 oz.

Stock No.	Type	Description	EACH
41 H 153	71-1L	Plug. Red. For 3/8" socket.	.08
41 H 154	71-1L	Plug. Black. Same as above.	
41 H 156	71-1M	Plug. Red. For 1/2" socket.	
41 H 157	71-1M	Plug. Black. Same as above.	.08
41 H 158	71-1S	Plug. Red. For 3/8" socket.	
41 H 159	71-1S	Plug. Black. Same as above.	
41 H 160	78-1L	Socket. Red. For 3/8" plug.	.11
41 H 161	78-1L	Socket. Black. Same as above.	
41 H 162	78-1M	Socket. Red. For 1/2" plug.	
41 H 163	78-1M	Socket. Black. Same as above.	.11
41 H 164	78-1P	Socket. Red. Std. .080" phone tip.	
41 H 165	78-1P	Socket. Black. Same as above.	
41 H 166	78-1S	Socket. Red. For 3/8" plug.	
41 H 167	78-1S	Socket. Black. Same as above.	

G-C ELECTROCRRAFT SOLDERLESS PHONO PLUGS

Handy right-angle design for fast, positive connections. Plastic shells. For std. shielded cable with 3/4" O.D. Overall length, 1 1/2" in dia., 1/2". Wt., 2 oz.

Stock No.	Type	Shell	Stock No.	Type	Shell
89 H 091	33-776	Gray	89 H 094	33-782	Yellow
89 H 092	33-778	Black	89 H 095	33-784	Blue
89 H 093	33-780	Red			

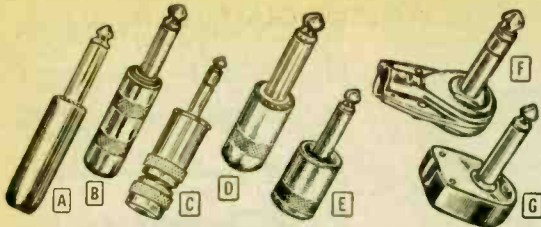
NET EACH26

AMPHENOL TYPE 71 MINIATURE PLUGS

Compact, efficient, high-dielectric plugs. Excellent for transmitters, receivers, intercoms, speaker connections, etc. Securely anchored, nickel-plated brass prongs; deeply recessed to prevent shorts caused by pulled back insulation. Easily soldered. For cables with up to six conductors. Contacts are polarized to assure proper connections. Fit Amphenol 78-S series miniature sockets listed on Amphenol socket page. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Prongs	NET EACH	Stock No.	Mfr's Type	Prongs	NET EACH
40 H 177	71-JS	3	.09	40 H 149	71-SS	5	.12
40 H 169	71-AS	4	.11	40 H 179	71-6S	6	.15

Switchcraft, G-C Plugs and Jacks



"LITTEL-PLUG" PHONE PLUGS

Small-size phone plugs; fit standard 1/4" phone jacks, except *Types S250 and S280, 206" sleeve for S-11 "Littel-Jax" and for Bell and Howell equipment; †Type R280 which has short sleeve for Reverse recorders. Plugs with solder terminals feature built-in cable clamp; others do not include cable clamp. Metal (shielded) handles are nickel-plated brass. Handles are 1 1/4" long; 1/2" dia. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Cond.	Handle Color	Terminals	NET EACH
41 H 553	240	A	2	Black	Screw	.44
41 H 554	245	A	2	Red	Screw	.44
41 H 611	250	A	2	Black	Solder	.41
41 H 614	S250*	A	2	Black	Solder	.44
41 H 612	255	A	2	Red	Solder	.41
41 H 555	260	A	3	Black	Screw	.71
41 H 615	267	A	3	Black	Solder	.62
41 H 573	270	B	2	Metal	Screw	.62
41 H 613	280	B	2	Metal	Solder	.59
41 H 556	R280†	B	2	Metal	Solder	.59
41 H 719	S280*	B	2	Metal	Solder	.59
42 H 967	290	B	3	Metal	Screw	.82
41 H 617	297	B	3	Metal	Solder	.76

STANDARD PHONE PLUGS

Standard-size 1/4", 2- and 3-conductor type phone plugs to fit all standard jacks. Metal (shielded), red or black molded bakelite handles; 2 1/4" long, 1/2" diameter, except *1" long. Type 170 is similar to 70, but has 2-piece handle with cable clamp for 1/4" cable. No. 190A is similar to 90, but has same handle as 170. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Fig.	Cond.	Handle Color	Terminals	NET EACH
41 H 557	40	A	2	Black	Screw	.44
41 H 447	45	A	2	Red	Screw	.44
41 H 558	60	A	3	Black	Solder	.62
41 H 559	70	B	2	Metal	Screw	.71
41 H 560	90*	E	3	Metal	Solder	.76
41 H 561	16*	A	2	Metal	Screw	.53
41 H 562	10	C	2	Metal	Screw	.97
41 H 563	190A	C	3	Metal	Solder	1.15

"LUG-PLUG" PHONE PLUGS

Low-cost, two-conductor, phone plugs. All fit 1/4" jacks except *fits S-11 Littel-Jax. Have solder terminals. Exterior parts bright nickel plated. Red or black handles are 1 1/4" long, 1/2" diameter. Types 380 and 385 have shielded handles 1" long. Av. wt., 4 oz.

Stock No.	Mfr's Type	Figure	Color	NET EACH
41 H 564	350	A	Black	.32
41 H 565	355	A	Red	.32
41 H 566	380	D	Metal	.41
41 H 448	385*	D	Metal	.59

FLAT PHONE PLUGS

1/4" phone plugs featuring flat, space-saving handles. Ideal for applications where conventional plugs would protrude too far and interfere with operation of equipment, prevent installation in tight quarters, etc. Fig. G units have easily removable plastic handle; Fig. F units have shielded steel handle, bright nickel plated. All have screw terminals, except Types 228 and 238 which have solder lug terminals. Types 220 and 225 will accept standard phone tips. Type S230 is commercial version of Military Type PJ-068 (Switchcraft No. 480) plug; has .206" diameter sleeve and tip. Terminals and body are mechanically interlocked. Av. shpg. wt., 4 oz.

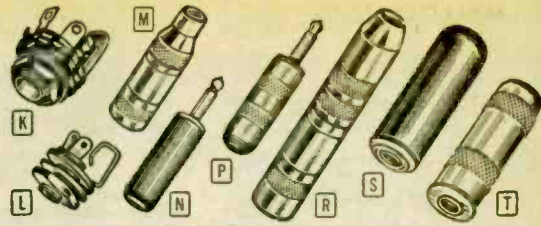
Stock No.	Mfr's Type	Fig.	Conductors	Handle Color	NET EACH
41 H 621	220	G	2	Black	.53
41 H 567	225	G	2	Red	.53
42 H 968	228	F	2	Metal	.56
41 H 558	230	G	3	Black	.76
41 H 569	235	F	3	Red	.76
42 H 969	238	G	3	Metal	.82
42 H 970	S230	G	3	Black	1.03

G-C ELECTRO-CRAFT PLUGS AND JACK



Standard Plugs and Jack, Standard 1/4" 2-conductor phone plug and jack. Plugs have screw-type terminals and are available with either red or black break-resistant Tenite plastic handles; all metal parts, except screws, have nickel plating. Terminals, insulation, plus body and tip rod are mechanically interlocked to prevent turning. Overall length, 2 1/4". Open circuit, 2-conductor jack has 1/2" diameter threaded shank 1/2" long; requires only 1" behind panel. Interlocked for dependable operation. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Description	NET EACH
41 H 017	33-600	H	Standard Phone Plug (black)	.38
41 H 018	33-602	H	Standard Phone Plug (red)	.38
41 H 019	33-690	J	Standard Phone Jack	.26



"LITTEL-JAX" PHONE JACKS

Take standard 1/4" phone plugs, except *S-11, which takes S250, S280 and 385 plugs, and *C-12B which takes 480 Military-type, "Littel-Plug" 1/4" dia., 1 1/4" overall, with a 1/4" dia. threaded shank. † long. L-11 and L-12A have bushing 3/4" long. SCC indicates single closed circuit; OC indicates open circuit; Av. shpg. wt., 3 oz.

Stock No.	Type	Diag.	Cond.	Circuit	JAN Type	NET
41 H 622	I	I	2	OC		.24
41 H 623	C-11	I	2	OC	JJ-034	.35
41 H 475	I-11	I	2	OC		.29
41 H 607	S-11*	I	2	OC		.26
41 H 624	12A	II	2	SCC		.26
41 H 631	C-12A	II	2	SCC	JJ-089	.44
41 H 469	L-12A	II	2	SCC		.32
41 H 632	12B	III	3	OC		.32
41 H 633	C-12B*	III	3	OC	JJ-033	.41
41 H 634	13B	IV	3	SCC		.44

"TINI-JAX" SUB-MINIATURE PHONE JACKS

Extra-small 2-conductor jacks for "Tini-Plugs", 1/8" long; fit 1/4" hole. OC, open circuit; CC, closed circuit. Av. shpg. wt., 2 oz.

Stock No.	Type	Diag.	Cond.	Circuit	NET
41 H 516	41	I	2	OC	.24
41 H 517	42A	II	2	CC	.26

Type 125 "Tini-Extension Jax." Two-conductor; solder lug terminals. Mates with "Tini-Plugs," below. Wt., 2 oz.

Stock No.	NET
41 H 472	.73

"TINI-PLUGS" SUB-MINIATURE PHONE PLUGS

For use with "Tini-Jax", 1 1/4" overall length. 2-conductor. Wt., 2 oz.

Stock No.	Type	Fig.	Ter.	Handle	NET
41 H 518	740	N	Screw	Black	.44
41 H 519	745	N	Screw	Red	.44
41 H 520	750	N	Solder	Black	.41
41 H 521	755	N	Solder	Red	.41
41 H 522	770	P	Screw	Shielded	.62
41 H 523	780	P	Solder	Shielded	.59

"EXTENSION JAX" CABLE EXTENSION JACKS

Fit standard 1/4" plugs. 1/4" O.D.; 2 1/2" long. 121 and 131 1/2" O.D.; 2 1/2" long. All are open circuit type. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Cond.	Ter.	Handle	NET
41 H 571	80	S	2	Screw	Black	.68
41 H 718	88	S	2	Solder	Black	.59
41 H 572	120	T	2	Screw	Shielded	.91
41 H 473	121	R	2	Solder	Shielded	.94
41 H 474	131	R	3	Solder	Shielded	1.18
42 H 971	830	S	3	Screw	Black	.91
41 H 717	1230	T	3	Screw	Shielded	1.15

ULTRA-MINIATURIZED PLUGS AND JACK

TR Series "Micro-Plugs." Handy, ultra-miniaturized plugs featuring same uniformity, dependability and quality construction as famous "Littel-Plugs" and "Tini-Plugs." Microscopic size, only 1 1/4" long; 1/4" O.D.—1/2" the size of standard plugs! Have nylon insulation between tip and sleeve circuits; sleeve terminal is tip and sleeve circuit; sleeve terminal is nickel-plated brass. Tip and sleeve are nickel-plated machined brass. All have sleeve circuit cable clamp; accommodate cables to 1/4" dia. With screw-on anodized aluminum handle. Shpg. wt., 2 oz.

42 H 554	Type 850	Black Handle	NET	.45
42 H 555	Type 855	Red Handle	NET	.45
42 H 556	Type 880	Natural Handle	NET	.45
42 H 557	NET			.27

THICK-PANEL PHONE JACKS

Have extra long bushings for use in panels up to 1 1/4" thick. Ideal for wall paneling, hi-fi installations, etc. Shielded for microphone use. Require 1/2" mounting hole. Wt., 2 oz.

42 H 558	Type 151	2 Conductor	NET	.81
42 H 559	Type 162B	3 Conductor	NET	.90

JACK SCHEMATIC DIAGRAMS

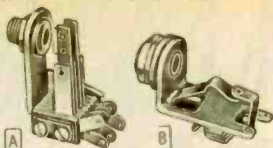


Plugs, Jacks, Test Prods, Binding Posts

MALLORY STANDARD PHONE JACKS

JUNIOR PHONE JACKS

A Compact jacks for standard $1\frac{1}{4}$ " phone plugs. Require only $1\frac{1}{4}$ " behind panel. Cadmium-plated frames; nickel-plated brass shank, springs, mtg. hardware. $\frac{1}{8}$ " dia. threaded shank for panels $\frac{1}{8}$ " thick. Silver contacts. *Conductors in mating plug. Wt., 3 oz.



Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	NET EACH
41 H 054	701	2	Open	I	.45
41 H 058	702B	3	Open	IV	.57
41 H 052	703	2	Open	V	.60
41 H 059	703B	3	Closed-Transfer 1	IV	.60
41 H 060	704B	3	Closed-Transfer 2	VI	.69

MIDGET AND INFANT PHONE JACKS

B Extremely small "Midget" and "Infant" type jacks for limited-space applications. All take $\frac{1}{4}$ " phone plugs. "Midget" type jacks require only $1\frac{1}{4}$ " mounting space behind panel; "Infant" type requires only $\frac{1}{4}$ " behind panel. Cadmium-plated steel frames with nickel-plated brass shank, springs, and mounting hardware. $\frac{3}{8}$ " threaded shank for mounting in panels up to $\frac{1}{4}$ " thick. *Column headed "Cond." indicates number of conductors in mating plug. All are "Midget" type except A-1 "Infant" type jack. (†Not illustrated). Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	NET EACH
41 H 050	†A-1	2	Open	I	.39
41 H 051	A-2	2	Shorting	VII	.48
41 H 053	A-2A	2	Closed	II	.57
41 H 056	A-3A	2	Closed-Transfer 1	VIII	.66

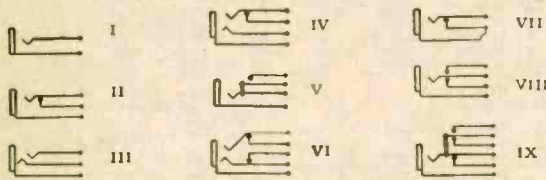
LONG-FRAME STANDARD PHONE JACKS



Industrial-type, long-frame jacks offering a variety of switch combinations. All take standard $\frac{1}{4}$ " phone plugs. Types Nos. 1, 2, 2A, and 5 (Fig. C) are $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$ " wide. Mount in panels up to $\frac{1}{4}$ " thick by means of $\frac{1}{4}$ " diameter threaded shank. XP types (Fig. D) are $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$ " wide. Have $\frac{1}{8}$ " diameter smooth shank * long and mount with screw and nut. *Column headed "Cond." indicates number of conductors in mating plug. †Diagram indicates switching arrangement (shown in column below). Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	*Cond.	Circuit	†Diagram	NET EACH
34 H 440	1	2	Open	I	.45
34 H 441	2	2	Shorting	VII	.57
34 H 442	2A	2	Closed	II	.57
41 H 055	5	2	Closed & Transfer	IX	.90
34 H 445	XP1	2	Open	I	.63
41 H 644	XP2B	2	Closed	II	.75
34 H 446	XP3B	2	Transfer	VIII	.90

JACK SCHEMATIC DIAGRAMS



SUPERIOR BINDING POSTS

Five-way binding post offers complete insulation. Current capacity, 30 amperes; working voltage, 1000 volts. Take spade lugs, banana plugs (have jack in top), clip leads, and up to No. 12 wire. All current-carrying metal parts are gold-plated for long life, resistance to corrosion, stable electrical contact and faster soldering. Insulated with nylon plastic; metal components are recessed. Mount in $\frac{1}{2}$ " holes in panels $\frac{1}{8}$ " to $\frac{1}{4}$ " thick. With hexagonal thumb nut. Shpg. wt., 4 oz.



Stock No.	Type	Color	NET EACH	Stock No.	Type	Color	NET EACH
41 H 172	DF30VC	Yellow	.40	41 H 177	DF30BC	Black	.40
41 H 173	DF30GC	Green		41 H 178	DF30RC	Red	
41 H 174	DF30WTC	White		41 H 198	DF30BLC	Blue	

GENERAL RADIO DOUBLE PLUG

Type 274-MB. Dual plug for standard banana jacks. On $\frac{1}{4}$ " centers. Also accepts phone tips or wire to No. 12. Jacks in top permit use of units in tandem. 15 ampere ratings. Body size, $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$ ". Shpg. wt., 3 oz.

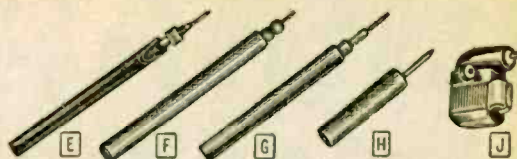


G-C ELECTROCRRAFT DUAL BANANA PLUG

Type 33-010. Single molded unit on standard $\frac{1}{4}$ " centers. Has polarity indicated on top and side for easy identification. Can be stacked for multiple connections. Body size, $1\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$ ". Shpg. wt., 3 oz.



G-C ELECTROCRRAFT TEST PRODS, CONNECTORS AND BINDING POSTS



TEST PRODS AND CONNECTORS

E Type 33-404 Solderless Test Prod. Threaded prod with 5" long plastic handle, $\frac{3}{8}$ " outer diameter. Nickel-plated phone tip. Wire fits through handle and body of plug. Wraps around screw portion—secured by knurled collar. Shpg. wt., 4 oz.

F Type 33-376 Solderless Fiber Test Prod. Has 4" bone fiber handle with extra large $\frac{1}{4}$ " inside diameter for heavy-duty wire. Body is nickel-plated brass. Wire fits through handle and body of plug, wraps around screw portion. Secured by knurled collar. Wt., 4 oz.

G Type 33-384 Phono Needle Test Prod. Brass, nickel-plated body with steel, nickel-plated phono-type needle. Has removable chuck for replacing broken needles. Needle pierces plating or corrosion to insure positive readings. Molded plastic handle, overall length 6" long. $\frac{3}{8}$ " outer diameter. Shpg. wt., 3 oz.

H Type 33-378 Heavy-Duty Test Prod. Threaded type with extra-sturdy brass, nickel-plated tip. Molded plastic handle, overall length 6 $\frac{1}{2}$ " long. $\frac{1}{4}$ " outer dia. Fits standard phone tip jacks. 3 oz.

I Needle points for piercing insulation. Solderless connection inside $1\frac{1}{2}$ " plastic handle. Shpg. wt., 2 oz.

J Connectors. Molded-plastic angle phone tips for test leads. Solderless "Trigger Quick" clamps. Shpg. wt., 2 oz.

K Type 33-276. Dual binding post assembly with metal heads. Accepts single or dual banana plugs, wire and phone tips either forward or sideways. Mounts in two $\frac{1}{4}$ " holes of $\frac{1}{4}$ " mounting centers in panels from $\frac{1}{8}$ " up to $\frac{1}{4}$ " thick. Body: brass, nickel-plated. Head: captive-type, hex brass, nickel-plated. Washer: molded black styrene. With wrap-around solder studs. Has $\frac{1}{2} \times 1\frac{1}{2}$ " rounded black base. Includes 4 hex nuts, 2 flat washers. Shpg. wt., 4 oz.

L Type 33-286. Five-way metal binding post. Accepts banana plug, phone tip, spade lug, alligator clip or wire strand. Mounts in .171" hole in panels from $\frac{1}{8}$ " to $\frac{1}{4}$ " thick. Body: brass, nickel-plated. Head: captive, hex brass nickel-plated. Has wrap-around solder stud With 2 mounting nuts. Shpg. wt., 3 oz.

M Type 33-288. Dual 5-way binding post assembly with black, insulated fluted heads. Accepts single or dual banana plugs. Mounts in two $\frac{1}{4}$ " holes on $\frac{1}{4}$ " mounting centers in panels up to $\frac{1}{4}$ " thick. Has solder stud, $\frac{1}{2} \times 1\frac{1}{2}$ " base. Body: brass, nickel-plated. With 4 mtg. nuts. 4 oz.

N Type 33-290. Similar to Type 33-288, above, but has black hex-grip insulated heads. Shpg. wt., 4 oz.

O Type 33-292. As above, with I—black, I—red head. NET, 65

P Multi-Purpose Posts. Rated 2000v., 30 amps. Captive heads. Length shown is total posts. For panels $\frac{1}{8}$ "- $\frac{1}{4}$ " thick. *Locking edge. †Banana-plug jack in head; also accepts phone tip, lug, etc. ‡Grounding types. †Take solder connection to stud. Av. shpg. wt., 2 oz.

Q Type 33-284. Brass, for heavy-duty use. $2\frac{1}{2}$ " long. $\frac{3}{8}$ " mounting hole. Shpg. wt., 2 oz.

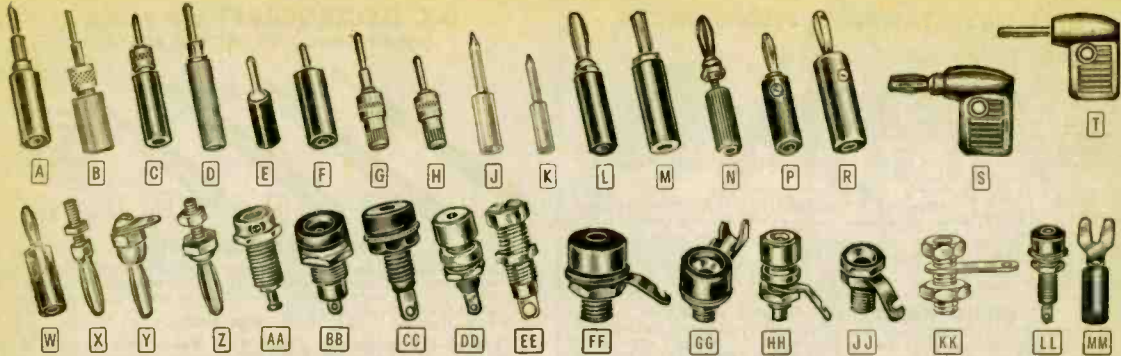
R Type 33-284. Brass, for heavy-duty use. $2\frac{1}{2}$ " long. $\frac{3}{8}$ " mounting hole. Shpg. wt., 2 oz.

S Type 33-284. Brass, for heavy-duty use. $2\frac{1}{2}$ " long. $\frac{3}{8}$ " mounting hole. Shpg. wt., 2 oz.

Stock No.	Type	Fig.	Mounting	Length	Color	NET
41 H 368	33-272††	N	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	Red	.35
41 H 367	33-274††	N	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	Black	.35
41 H 330	33-256††	P	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	Red	.18
41 H 335	33-258††	P	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	Black	.18
41 H 388	33-264††	R	$\frac{3}{8}$ "	$1\frac{1}{2}$ "	Red	.26
41 H 389	33-266††	R	$\frac{3}{8}$ "	$1\frac{1}{2}$ "	Black	.26
41 H 394	33-294R††	S	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	Red	.25
41 H 395	33-294B††	S	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	Black	.25
41 H 397	33-296	S	$2\frac{1}{2}$ "	$1\frac{1}{2}$ "	Red	.25
41 H 398	33-296	S	$2\frac{1}{2}$ "	$1\frac{1}{2}$ "	Black	.25

T Type 33-284. Brass, for heavy-duty use. $2\frac{1}{2}$ " long. $\frac{3}{8}$ " mounting hole. Shpg. wt., 2 oz.

G-C Electrocraft Plugs and Jacks



INSULATED TIP PLUGS

A Type 33-110 Heavy Duty Phone Tip Plug. Molded bakelite handle. One-piece, nickel-plated brass construction. 2 1/2" long. Shpg. wt., 3 oz.

41 H 536, Red 1-9,
41 H 537, Black NET EACH
41 H 538, Yellow
41 H 539, Green
41 H 540, Blue
10-49, EACH.....13c

B Type 33-106 "Senior" Solderless Phone Tip Plug. Knurled nut tightens against wire making soldering unnecessary. Plug is nickel-plated brass; handle, bakelite. 2 1/4" long. Wt., 3 oz.

41 H 250, Red 1-9,
41 H 255, Black
41 H 415, Yellow NET EACH
41 H 416, Green
41 H 417, Blue
10-49, EACH.....13c

C Type 33-144 "Junior" Solderless Phone Tip Plug. Has same tightening assembly as Type 33-106, above. Plastic handle; nickel-plated brass. 1 1/4" long. 3 oz.

41 H 542, Red 1-9,
41 H 543, Black
41 H 544, Yellow NET EACH
41 H 545, Green
41 H 546, Blue
10-49, EACH.....13c

D Subminiature Phone Tip. 1/4" O.D. bone fiber handle. Nickel-plated brass body. 1 1/4" overall length. 2 oz.

No.	Type	Color
41 H 547	33-112	Red
41 H 548	33-114	Black

1-9, NET EACH.....18c
10-49, EACH.....16c

E Type 33-116. For standard tip jacks. 1 1/2" long. 3 oz.

41 H 260, Red 1-9,
41 H 261, Black NET EA. 10c
10-49, EACH.....9c

F Short Phone Tip Plug. Shouldered tip permits insertion to insulated handle. Nickel-plated brass body. 1 1/2" long. Shpg. wt., 3 oz.

No.	Type	Color
41 H 575	33-118	Red
41 H 576	33-120	Black
41 H 577	33-122	Yellow
41 H 578	33-118	Green
41 H 579	33-118	Blue

1-9, NET EACH.....12c
10-49, EACH.....11c

NON-INSULATED TIP PLUGS

G Type 33-146 "Senior" Solderless Phone Tip Plug. Has knurled nut for fastening wire. 1 1/2" long. Shpg. wt., 2 oz.

41 H 240, 1-9, NET EACH. 10c
10-49, EACH.....9c

H Type 33-142 "Junior" Solderless Phone Tip Plug. As above, but 1 1/4" long. 2 oz.

41 H 230, 1-9, NET EACH. 10c
10-49, EACH.....9c

J Type 33-158 Heavy-Duty Cord Tip. Fits standard phone tip jacks. 1" long. 2 oz.

41 H 225, 1-9, NET EACH. 3c
10-49, EACH.....2 1/2c

K Type 33-156 Standard Cord Tip. For test panels, headphones, etc. Length, 1". 2 oz.

41 H 200, 1-9, NET EA. 2 1/2c
10-49, EACH.....2c

MOLDED METER PLUGS

S Banana-Type Meter Plug. Four-leaved phosphor bronze spring; nickel-plated. Tip is 1 3/8" long. Shpg. wt., 2 oz.

No.	Type	Color
41 H 467	33-046	Red
41 H 468	33-048	Black

1-9, NET EACH.....35c
10-49, EACH.....31c

T Meter Tip Plug. Molded in two halves for easy assembly with screw and nut. Nickel-plated tip is 1/2" long. Shpg. wt., 2 oz.

No.	Type	Color
41 H 203	33-128	Red
41 H 204	33-130	Black

1-9, NET EACH.....26c
10-49, EACH.....24c

BANANA PLUGS

L Insulated, Spring Tip. Molded Bakelite handle. Wire can be soldered to brass stud which is supplied, or directly into plug. Length, 1 1/4". Wt., 2 oz.

No.	Type	Color
41 H 593	33-000	Red
41 H 594	33-002	Black
41 H 595	33-000	Yellow
41 H 596	33-000	Green
41 H 597	33-000	Blue

1-9, NET EACH.....21c
10-49, EACH.....19c

M Insulated, Split Tip. Nickel-plated, cross-slotted tip. Wire can be soldered to brass stud which is supplied. 1 1/4". 2 oz.

No.	Type	Color
41 H 428	33-012	Red
41 H 427	33-014	Black
41 H 067	33-012	Yellow
41 H 068	33-012	Green
41 H 069	33-012	Blue

1-9, NET EACH.....18c
10-49, EACH.....16c

N Type 33-028 Insulated, Spring Tip. Plastic handle. Nickel-plated tip. Fits all standard banana jacks. Four leaved spring provides lasting contact. Length, 2". Shpg. wt., 2 oz.

41 H 407, Red 1-9,
41 H 408, Black NET EA. 32c
10-49, EACH.....28c

P Insulated, Spring Tip. Solderless; has set screw in plastic handle. Nickel-plated tip. Length, 1 1/4". Shpg. wt., 2 oz.

No.	Type	Color
41 H 405	33-006	Red
41 H 410	33-008	Black
41 H 402	33-006	Yellow
41 H 403	33-006	Green
41 H 404	33-006	Blue

1-9, NET EACH.....18c
10-49, EACH.....16c

R Insulated, Split Tip. Solderless; has set screw in handle. 1 1/4". Shpg. wt., 2 oz.

No.	Type	Color
41 H 425	33-018	Red
41 H 430	33-020	Black
41 H 412	33-018	Yellow
41 H 413	33-018	Green
41 H 414	33-018	Blue

1-9, NET EACH.....18c
10-49, EACH.....16c

BANANA PLUGS

W Type 33-032 Insulated, Spring Tip. Nickel-plated brass tip. Wire can be soldered to brass stud supplied. 1 1/8". 2 oz.

41 H 462, Red 1-9,
41 H 463, Black
41 H 464, Yellow NET EACH
41 H 465, Green
41 H 466, Blue
10-49, EACH.....16c

X Type 33-034 All-Metal, Spring Tip. Has solder lug. Four-leaved spring. Nickel-plated. 6-32x 1/2" stud. 1 1/2". 2 oz.

41 H 400, 1-9, NET EACH. 15c
10-49, EACH.....13c

Y Type 33-062 All-Metal, Spring Tip. As above, but internal threads permit use on all size panels. 1". Wt., 2 oz.

41 H 488, 1-9, NET EACH. 15c
10-49, EACH.....13c

Z Type 33-064 All-Metal, Spring Tip. Nickel-plated, one-piece construction. 6-32x 1/2" stud. Length, 1 1/2". Wt., 2 oz.

41 H 489, 1-9, NET EACH. 15c
10-49, EACH.....13c

TIP JACKS

AA Miniature Nylon Tip Jacks. Has silver-plated, beryllium copper contact. Fits in 1/4" hole; mounts in panels up to 1/4" thick. Overall size, 31x25x 1/4" dia. 2 oz.

No.	Type	Color
41 H 495	33-242	Red
41 H 496	33-240	Black
41 H 497	33-240	Yellow
41 H 498	33-240	Green
41 H 499	33-240	Blue

1-9, NET EACH.....26c
10-49, EACH.....24c

BB Nylon Tip Jack. Completely insulated; has phosphor bronze contact. 1 1/8x 1/2". 2 oz.

No.	Type	Color
41 H 012	33-216	Red
41 H 013	33-218	Black
41 H 014	33-216	Yellow
41 H 015	33-216	Green
41 H 016	33-216	Blue

1-9, NET EACH.....18c
10-49, EACH.....16c

CC Insulated Tip Jack. Body is nickel-plated brass. Jack mounts in 3/8" hole in panels up to 3/8" thick. 1x 1/4". 2 oz.

No.	Type	Color
41 H 110	33-210	Red
41 H 115	33-212	Black
41 H 432	33-210	Yellow
41 H 433	33-210	Green
41 H 434	33-210	Blue

1-9, NET EACH.....13c
10-49, EACH.....12c

DD Type 33-208 Insulated Tip Jack. Has sturdy molded nylon head and insulating washer. Nickel-plated brass body. Mounts in 3/8" hole. Shpg. wt., 2 oz.

41 H 024, Red 1-9,
41 H 025, Black
41 H 026, Yellow NET EACH
41 H 027, Green
41 H 028, Blue
10-49, EACH.....16c

TIP JACK

EE Type 33-226 Non-Insulated Tip Jack. 1/4" mtg. hole; 3/8" max. panel thickness. Shpg. wt., 2 oz.

41 H 100, 1-9, NET EACH. 10c
10-49, EACH.....9c

BANANA JACKS

FF Insulated Banana Jack. With solder lug and removable insulated top. Requires 3/8" hole; for panels up to 1/4" thick. 2 1/2" long. Shpg. wt., 2 oz.

No.	Type	Color
41 H 475	33-180	Red
41 H 480	33-182	Black
41 H 422	33-180	Yellow
41 H 423	33-180	Green
41 H 424	33-180	Blue

1-9, NET EACH.....13c
10-49, EACH.....12c

GG Insulated Banana Jack. Has molded plastic head. Fits 3/8" mounting hole; for 3/8" max. panel thickness. 2 oz.

No.	Type	Color
41 H 033	33-186	Red
41 H 034	33-186	Black
41 H 035	33-186	Yellow
41 H 036	33-186	Green
41 H 037	33-186	Blue

1-9, NET EACH.....15c
10-49, EACH.....13c

HH Type 33-220 Insulated Banana Jack. Molded nylon head and insulating washer. 3/8" mtg. hole; 1 1/4" max. 2 oz.

No.	Type	Color
41 H 042	Red	
41 H 043	Black	1-9,
41 H 044	Yellow NET EACH	
41 H 045	Green	
41 H 046	Blue	

10-49, EACH.....18c

JJ Type 33-184 Non-Insulated Banana Jack. Brass-tinned lug. 1/4" mtg hole; 3/8" max. panel thickness. 2 oz.

41 H 047, 1-9, NET EACH. 10c
10-49, EACH.....9c

KK Type 33-192 Non-Insulated Banana Jack. 1/4" mtg. hole; 3/8" thickness. 2 oz.

41 H 470, 1-9, NET EACH. 10c
10-49, EACH.....9c

COMBINATION JACK

LL Insulated Combination Jack. Accommodates all standard phone tip or banana plugs. Nickel-plated brass body. Mounts in 1/4" hole; panels to 3/8" thick. Length, 1 1/4". Wt., 2 oz.

No.	Type	Color
41 H 130	33-194	Red
41 H 135	33-196	Black
41 H 137	33-194	Yellow
41 H 138	33-194	Green
41 H 143	33-194	Blue

1-9, NET EACH.....16c
10-49, EACH.....14c

INSULATED SPADE LUG

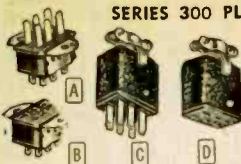
MM Banana Plug To Spade Lug Adapter. Jack in rear allows insertion of banana plug. 1 1/2" long. 3/4" O.D. 2 oz.

No.	Type	Color
41 H 048	33-300	Red
41 H 049	33-302	Black

1-9, NET EACH.....11c
10-49, EACH.....10c

Cinch-Jones Strips, Terminals, Plugs, Sockets

SERIES 300 PLUGS AND SOCKETS



Compact units rated 730 volts rms at 10 amps. Metal caps; bakelite body. Phosphor-bronze socket contacts; engraved both sides of plug contacts. Units are polarized; plugs with 24 or more contacts have positioning pin. Plug contacts are 3/32" wide by 3/16" thick. *Round shell; others rectangular. Av. shpg. wt., 3 oz.

TYPE AB FOR CHASSIS MOUNTING

A PLUGS				B SOCKETS			
Contacts	Stock No.	Type	NET	Stock No.	Type	NET	
2	40 H 870	P-302-AB*	.24	40 H 880	S-302-AB*	.27	
3	40 H 871	P-303-AB	.30	40 H 881	S-303-AB	.32	
4	40 H 872	P-304-AB	.33	40 H 882	S-304-AB	.36	
6	40 H 873	P-306-AB	.42	40 H 883	S-306-AB	.45	
8	40 H 874	P-308-AB	.49	40 H 884	S-308-AB	.56	
10	40 H 875	P-310-AB	.56	40 H 885	S-310-AB	.66	
12	40 H 876	P-312-AB	.62	40 H 886	S-312-AB	.77	
15	40 H 876	P-315-AB	.82	40 H 886	S-315-AB	.96	
18	40 H 817	P-318-AB	1.02	40 H 865	S-318-AB	1.16	
21	40 H 818	P-321-AB	1.29	40 H 866	S-321-AB	1.43	
24	40 H 819	P-324-AB	1.56	40 H 867	S-324-AB	1.70	
27	40 H 820	P-327-AB	1.83	40 H 868	S-327-AB	1.97	
30	40 H 821	P-330-AB	2.10	40 H 869	S-330-AB	2.25	
33	40 H 822	P-333-AB	2.37	40 H 877	S-333-AB	2.52	

TYPE CCT WITH CABLE CLAMP

C PLUGS				D SOCKETS			
Contacts	Stock No.	Type	NET	Stock No.	Type	NET	
2	40 H 802	P-302-CCT*	.57	40 H 852	S-302-CCT*	.57	
3	40 H 803	P-303-CCT	.61	40 H 853	S-303-CCT	.62	
4	40 H 804	P-304-CCT	.66	40 H 854	S-304-CCT	.67	
6	40 H 806	P-306-CCT	.73	40 H 856	S-306-CCT	.77	
8	40 H 808	P-308-CCT	.81	40 H 858	S-308-CCT	.90	
10	40 H 810	P-310-CCT	.90	40 H 860	S-310-CCT	1.00	
12	40 H 812	P-312-CCT	.99	40 H 862	S-312-CCT	1.08	
15	40 H 805	P-315-CCT	1.29	40 H 855	S-315-CCT	1.43	
18	40 H 807	P-318-CCT	1.56	40 H 851	S-318-CCT	1.70	
21	40 H 809	P-321-CCT	1.84	40 H 855	S-321-CCT	1.97	
24	40 H 811	P-324-CCT	2.17	40 H 857	S-324-CCT	2.33	
27	40 H 813	P-327-CCT	2.46	40 H 859	S-327-CCT	2.59	
30	40 H 814	P-330-CCT	2.87	40 H 861	S-330-CCT	3.00	
33	40 H 815	P-333-CCT	3.06	40 H 863	S-333-CCT	3.21	

SERIES 170 TERMINAL STRIPS

Have extra-heavy double-notched solder terminals. Ideal for industrial users, labs, etc. Molded bakelite insulation. 3/8" wide, 1/4" thick. Terminals are mounted on 1/4" centers. Mounting holes are 3/16" from center of end terminals. Terminals are .032" brass, tin plated. Av. shpg. wt., 5 oz.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
40 H 990	1-170	1	.19	40 H 995	6-170	6	.44
40 H 991	2-170	2	.24	40 H 996	7-170	7	.48
40 H 992	3-170	3	.28	40 H 997	8-170	8	.52
40 H 993	4-170	4	.33	40 H 998	10-170	10	.62
40 H 994	5-170	5	.39	40 H 999	10-170	10	.62

SERIES 2000 TERMINAL STRIPS

Terminals are made of .019" brass, tin-plated, and spaced on 1/4" centers. Molded bakelite insulation. Mounting brackets are made of cadmium-plated steel. Mounting holes at each end of bracket. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Term.	Mtg. Ctrs.	NET EACH	Stock No.	Mfr's Type	Term.	Mtg. Ctrs.	NET EACH
41 H 687	2002	2	1"	.08	41 H 691	2006	6	2 1/2"	.12
41 H 688	2003	3	1 1/4"	.09	41 H 693	2008	8	2 3/4"	.15
41 H 689	2004	4	1 3/4"	.10	41 H 695	2010	10	3"	.17
41 H 690	2005	5	1 3/4"	.11	41 H 697	2012	12	4 1/4"	.19

CABLE CLAMPS

Cable clamps for fanning strips above. Made of nickel-plated brass, with 6-32 round head screws. Serve as strain relief and anchor cable securely. Sizes shown are 1". D. Shpg. wt., 2 oz.

Stock No.	Type	Size	NET	Stock No.	Type	Size	NET
41 H 852	CC-161-4	3/8"	.15	41 H 857	CC-161-10	3/8"	.17
41 H 853	CC-161-6	3/8"	.15	41 H 858	CC-161-12	3/8"	.18
41 H 854	CC-161-8	3/8"	.15	41 H 859	CC-161-14	3/8"	.18

SERIES 101 PLUG AND SOCKET

Low-loss plug and socket for high-frequency RF use. For coax or shielded 1-conduct. Cadmium-plated brass; prong contacts, silver-plated. Shpg. wt., 4 oz.

Stock No.	Type	Description	NET	Stock No.	Type	Description	NET
40 H 825	P-101	1/4" Plug	.88	40 H 835	S-101	1/4" Socket	.57

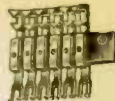
SERIES 202 PLUGS AND SOCKETS

Cadmium-plated brass plugs and sockets. Type P-202-CCT is polarized. Knurled nut. Type S-202-B socket mtg. holes. No. 30 drill on 1" centers. All units have 3/4"-27 thread. Type P-202-CCT and S-202-CCT-THR have cable clamp. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	NET
40 H 980	P-202-CCT	E	Plug, 2 contact	.81
40 H 982	S-202-B	F	Socket, base mounting	.96
40 H 981	S-202-CCT-THR	G	Socket, extension	1.09

FANNING STRIPS

For neat, dependable terminal wiring. Insure positive connections. Simplify assembly and disassembly. List letter in Type No. indicates right or left mounting hole position. Laminated bakelite. .032" cadmium-plated brass. Av. shpg. wt., 3 oz.



Series 160. Fit Series 140 barrier terminals below. Terminals are mounted on 1/2" bakelite, 3/8" wide and on 3/4" centers.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 808	2-160L	2	.10	40 H 956	2-160R	2	.10
41 H 809	3-160L	3	.16	40 H 957	3-160R	3	.16
41 H 812	4-160L	4	.21	40 H 958	4-160R	4	.21
41 H 813	5-160L	5	.26	40 H 959	5-160R	5	.26
41 H 814	6-160L	6	.32	40 H 960	6-160R	6	.32
41 H 817	8-160L	8	.42	40 H 961	8-160R	8	.42
41 H 818	10-160L	10	.52	40 H 962	10-160R	10	.52
41 H 819	12-160L	12	.63	40 H 963	12-160R	12	.63

Series 161. Fit Series 141 barrier terminals below. Terminals are mounted on 1/2" bakelite, 3/8" wide and on 3/4" centers.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 822	2-161L	2	.11	40 H 964	2-161R	2	.11
41 H 823	3-161L	3	.17	40 H 965	3-161R	3	.17
41 H 824	4-161L	4	.21	40 H 966	4-161R	4	.21
41 H 827	5-161L	5	.27	40 H 967	5-161R	5	.27
41 H 828	6-161L	6	.33	40 H 968	6-161R	6	.33
41 H 829	8-161L	8	.42	40 H 969	8-161R	8	.42
41 H 832	10-161L	10	.53	40 H 970	10-161R	10	.54
41 H 833	12-161L	12	.64	40 H 971	12-161R	12	.63

Series 162. Fit Series 142 barrier terminals below. Terminals are mounted on 1/2" bakelite, 3/8" wide and on 3/4" centers.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 834	2-162L	2	.14	40 H 972	2-162R	2	.14
41 H 843	3-162L	3	.18	40 H 973	3-162R	3	.18
41 H 844	4-162L	4	.24	40 H 974	4-162R	4	.24
41 H 845	5-162L	5	.29	40 H 975	5-162R	5	.29
41 H 846	6-162L	6	.35	40 H 976	6-162R	6	.35
41 H 847	8-162L	8	.45	40 H 977	8-162R	8	.45
41 H 848	10-162L	10	.56	40 H 978	10-162R	10	.56
41 H 849	12-162L	12	.66	40 H 979	12-162R	12	.66

BARRIER TERMINAL STRIPS

Barriers between each terminal provide increased insulation. Excellent for industrial and experimental applications. Barriers follow edge of strips and terminate at base. Make a long leakage path and prevent direct shorts caused by frayed wires at the terminals. Base is molded bakelite, with mounting holes at ends. Eyelets and binder screws of nickel-plated brass; terminals of hot tin-finish brass. Barrier-type terminals and fanning strips, when used together, insure positive contact and firm connections. No. 140 terminal strips have 5-40x3/4" binder head screws, 1/4" metal-to-metal spacing. No. 142 types have 6-32x1/4" binder head screws, 1/4" metal-to-metal spacing. No. 142 types have 8-32x3/8" binder head screws, 3/8" metal-to-metal spacing. Av. shpg. wt., 5 oz.



Series 140. Metal-to-metal spacing over bakelite 1/4". Base 1/4" wide x 3/8" high. 3/4" centers. Use with Series 160 fanning strips.

Stock No.	Mfr's Type	Term.	NET EACH	Stock No.	Mfr's Type	Term.	NET EACH
41 H 580	1-140	1	.11	41 H 586	12-140	12	.84
41 H 580	2-140	2	.18	41 H 584	13-140	13	.90
41 H 581	3-140	3	.24	41 H 585	14-140	14	.98
41 H 583	4-140	4	.31	41 H 586	15-140	15	1.05
41 H 587	5-140	5	.38	41 H 587	16-140	16	1.11
41 H 582	6-140	6	.44	41 H 588	17-140	17	1.17
41 H 581	7-140	7	.51	41 H 589	18-140	18	1.24
41 H 584	8-140	8	.57	41 H 590	19-140	19	1.31
41 H 582	9-140	9	.64	41 H 591	20-140	20	1.38
41 H 585	10-140	10	.71	41 H 592	21-140	21	1.44
41 H 583	11-140	11	.77				

Series 141. Metal-to-metal spacing over bakelite 1/4". Base 1 1/4" wide x 3/4" high. 3/4" centers. Use with Series 161 fanning strips.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 835	2-141	2	.23	41 H 840	10-141	10	.92
41 H 836	3-141	3	.31	41 H 841	12-141	12	1.01
41 H 837	4-141	4	.40	41 H 876	14-141	14	1.22
41 H 842	5-141	5	.48	41 H 877	16-141	16	1.42
41 H 838	6-141	6	.56	41 H 878	18-141	18	1.59
41 H 839	8-141	8	.85	41 H 879	20-141	20	1.76

Series 142. Metal-to-metal spacing over bakelite 1/4". Base 1 1/4" wide x 3/4" high. 3/4" centers. Use with Series 162 fanning strips.

Stock No.	Type	Term.	NET	Stock No.	Type	Term.	NET
41 H 670	2-142	2	.27	41 H 680	12-142	12	1.32
41 H 671	3-142	3	.38	41 H 681	13-142	13	1.42
41 H 672	4-142	4	.48	41 H 682	14-142	14	1.53
41 H 673	5-142	5	.58	41 H 683	15-142	15	1.63
41 H 674	6-142	6	.69	41 H 684	16-142	16	1.74
41 H 676	8-142	8	.90	41 H 685	17-142	17	1.83
41 H 678	10-142	10	1.11				

ADAPTER SOLDER TERMINALS

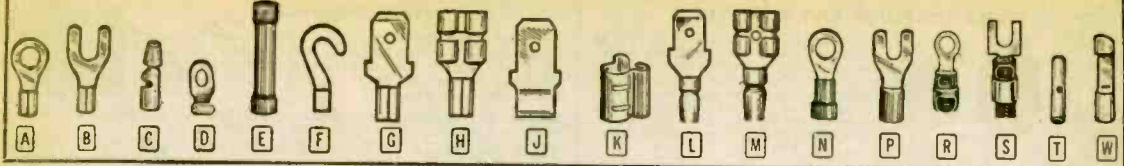
Adapt barrier strips (listed above) to permit top-side or underside solder connections. Type Y/W permits top-side soldering to barrier terminals; Type Y is for underside solder connections. Made of brass; hot-tin finish. Assure positive solder connections. Fasten securely under binder head screws. Av. shpg. wt., 3 oz.



TYPE Y/W				TYPE Y			
Stock No.	Mfr's Type	For Series	NET EACH	Stock No.	Mfr's Type	For Series	NET EACH
22 H 640	3/4-W-140	140	.03	22 H 269	Y-140	140	.02
22 H 641	3/4-W-141	141	.04	22 H 270	Y-141	141	.03
22 H 642	3/4-W-142	142	.04	22 H 271	Y-142	142	.03

Vaco, Thomas and Betts, A-MP Solderless Terminals—Tools

TERMINALS FOR EVERY USE



VACO SOLDERLESS TERMINALS

Terminals form a perfect electrical connection. Of copper alloy for maximum conductivity and minimum voltage drop. *Included in 2195 kit, below. †1/4" male tab. ‡Female tab socket. 1/4" angle male tab. †Angle female tab socket. **1/4" male tab

on one end; takes Fig. C 3/2" snap terminal on other end. ††Female tab socket on one end; takes Fig. C 3/2" snap terminal on other. Av. shpg. wt., 8 oz. per package. Packed 100 terminals to a package. Smaller lugs listed at bottom of extreme right-hand column.

NON-INSULATED

Wire Size	Stud Size	Lgth.	Fig.	Stock No.	Mfr's No.	NET PER PKG. OF 100
22-16	4-6	17/32"	A	42 H 800	2300*	2.18
22-16	4-6	3/4"	A	42 H 801	2301*	2.18
22-16	8-10	3/4"	A	42 H 802	2302*	2.18
16-14	4-6	17/32"	A	42 H 803	2400*	2.18
16-14	4-6	23/32"	A	42 H 804	2401*	2.18
16-14	8-10	23/32"	A	42 H 805	2402*	2.18
16-14	12-1/4	23/32"	A	42 H 806	2403	2.71
12-10	8-10	3/4"	A	42 H 807	2502	2.71
12-10	12-1/4	23/32"	A	42 H 808	2503	3.61
22-16	4-6	3/8"	A	42 H 809	2601*	1.94
16-14	4-6	3/8"	B	42 H 810	2601*	2.18
16-14	8-10	3/8"	B	42 H 811	2602*	2.18
22-16	4-6	17/32"	B	42 H 812	2700	1.94
16-14	8-10	3/8"	C	42 H 813	3202	1.69
22-16	8-10	11/16"	D	42 H 814	2802	2.18
22-16	8-10	3/8"	E	42 H 815	2902	2.18
16-14	8-10	3/8"	E	42 H 816	3101	1.69
16-14	...	3/8"	E	42 H 817	3102	1.69
12-10	...	3/8"	E	42 H 818	3103	2.18
22-16	4-8	3/8"	E	42 H 819	3300*	1.94
18-14	...	23/32"	F	42 H 820	3401†	2.18
18-14	...	23/32"	F	42 H 821	3402†	2.18
18-14	...	3/4"	F	42 H 822	3501†	2.18
18-14	...	15/32"	F	42 H 823	3502†	2.18
adapter	...	7/8"	J	42 H 824	3601**	3.61
adapter	...	3/8"	K	42 H 825	3602††	3.61
adapter	...	7/8"	L	42 H 826	3701**	3.30
adapter	...	43/64"	M	42 H 827	3702††	3.30

INSULATED

Stock No.	Mfr's Type	NET PER PKG. OF 100
42 H 828	6300	3.97
42 H 829	6301	3.97
42 H 830	6302	3.97
42 H 831	6400	3.97
42 H 832	6401	3.97
42 H 833	6402	3.97
42 H 834	6403	4.67
42 H 835	6502	4.67
42 H 836	6503	5.73
42 H 837	6600	3.97
42 H 838	6601	3.97
42 H 839	6602	3.97
42 H 840	6700	3.97
42 H 841	6101	3.97
42 H 842	6102	3.97
42 H 843	6103	4.41
42 H 846	6701	3.97
42 H 847	6801	3.97

THOMAS AND BETTS TERMINALS

Barrel for staking conductor has ring or spade tongue. Allied can supply any of these terminals (including types not listed below) in 5000 lots. Write for prices. *Insulation grip. †Self-insulated, with insulation grip. ‡Insulated connectors. †Disconnects. Av. wt., 7 oz. per pkg. Packed 100 to a package.

Stock No.	Fig.	Mfr's No.	Wire Size	Stud Size	PKG. OF 100
43 H 756	A	A18-6	22-18	6	3.75
43 H 757	A	A18-10	22-18	10	
43 H 758	A	B14-6	20-14	6	
43 H 759	A	B14-8	20-14	8	
43 H 760	A	B14-10	20-14	10	3.75
43 H 761	A	B14-14	20-14	1/4	
43 H 762	A	C10-6	16-10	6	
43 H 763	A	C10-10	16-10	10	5.20
43 H 764	A	C10-14	16-10	1/4	
43 H 765	N	B14-6G*	16-14	6	4.30
43 H 766	N	B14-10G*	16-14	10	
43 H 767	B	A18-6F	22-18	6	3.75
43 H 768	B	B14-10F	20-14	10		3.75
43 H 769	P	B14-6FG*	16-14	6	4.30
43 H 770	P	B14-10FG*	16-14	10	
43 H 771	R	RA18-6†	22-18	6	
43 H 772	R	RA18-10†	22-18	10	7.20
43 H 773	R	RB14-6†	16-14	6	
43 H 774	R	RB14-10†	16-14	10	
43 H 775	S	RA18-6F†	22-18	6	7.20
43 H 776	S	RA18-10F†	22-18	10	
43 H 777	S	RB14-6F†	16-14	6	
43 H 778	S	RB14-8F†	16-14	8	
43 H 779	S	RB14-10F†	16-14	10	
43 H 780	E	2RA18‡	22-18	6	6.88
43 H 781	E	2RB14‡	16-14	6		6.88
43 H 782	H	B14-250F‡	20-14	4	4.80
43 H 783	G	B14-250T‡	20-14	4		4.80

VACO SERVICE KIT

MODEL 2195. Handy kit contains \$5.00 worth of solderless terminals in assorted sizes, in addition to Type 1900 crimping-cutter tool described at right. Wide selection lets you make almost any type of lug connection used in radio or TV work. Terminals with * in listing above, are included in kit. Clear plastic case. 8 3/4 x 6 x 1 3/4". Shpg. wt., 2 lbs. 44 H 427.....NET 8.77



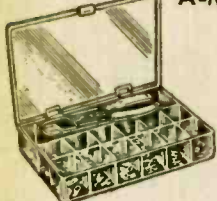
VACO CRIMPING TOOLS



MODEL 1906. Designed for insulated solderless terminals. Strips insulation from #22 to #10 AWG wire. Has 2 dies, steel jaws. With red plastic handles. Wt., 1 lb. 47 H 059.....NET 4.16

MODEL 1900. As above, except for non-insulated solderless terminals. With 3 crimping dies. Shpg. wt., 1 lb. 47 H 058.....NET 3.87

A-MP CRIMPING TOOLS AND SOLDERLESS TERMINALS



Terminal Kit

49835-1

47100-1

TERMINAL KIT. Contains assortment of most popular types of solderless terminals for general wiring applications plus, the heavy-duty "Super Champ" crimping and wiring tool described below. Terminals and tool come in one handy, compact, transparent plastic case with compartments. Ideal for radio-TV and electrical servicemen, etc. Eliminates soldering—saves time and labor. For all wire sizes from 10 to 22, and most-often used stud sizes. Dimension of case, 9 1/2 x 6 1/2 x 2". Shpg. wt., 2 lbs. 45 H 322.....NET 19.95

"SUPER CHAMP" CRIMPING TOOL TYPE 47100-1. Crimps insulated solderless terminals; shears machine screws. measures stud sizes, cuts and strips wire. Of tool steel; has insulated plastic handles. Wt., 1 lb. 45 H 321.....NET 4.95

TYPE 49835-1. Same as above, but for crimping non-insulated terminals. 44 H 453.....NET 4.95

GENERAL WIRING TERMINALS. *Insulated terminals—plastic outer sleeves. Wire size, 14 to 16, except #16 to 22. U.L. Approved. Shpg. wt., 8 oz. per pkg. 100 per package.

Stock No.	Fig.	Mfr's No.	Type	Stud Size	PER PKG.
45 H 301	R	34149*	Ring	8-10	6.25
45 H 302	R	34142*†	Ring	4-6	6.25
45 H 303	E	34070*†	Butt	...	7.50
45 H 304	R	34158*	Ring	4-6	6.25
45 H 305	R	34161*	Ring	8-10	6.25
45 H 306	S	34165*	Spade	4-6	6.25
45 H 307	S	34167*	Spade	8-10	6.25
45 H 308	S	34107*†	Butt	...	7.50
45 H 323	S	34154*†	Spade	5-6	6.25
45 H 310	A	33214†	Ring	8-12	4.46
45 H 311	A	34194†	Ring	4-6	3.91
45 H 312	T	34181†	Butt	...	4.66
45 H 313	A	3197	Ring	4-6	4.46
45 H 314	A	33217	Ring	8-10	3.91
45 H 315	B	33477	Spade	4-6	4.99
45 H 316	B	33219	Spade	8-10	4.99
45 H 317	W	31762†	Knife	...	10.11
45 H 318	W	31763	Knife	...	10.11
45 H 319	C	34846	Plug	...	2.25
45 H 320	C	36840*	Recep.	...	6.96

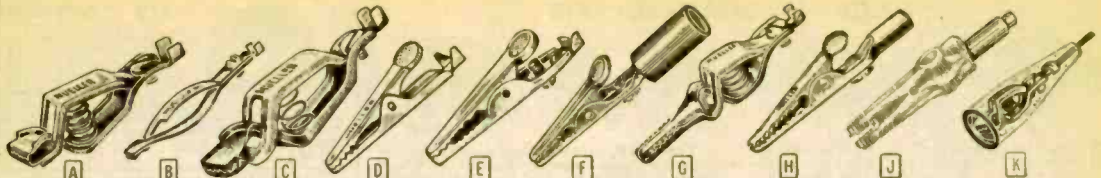
VACO SOLDERLESS TERMINALS

ECONOMY PACK. Selection of popular types and sizes of Vaco terminals in quantities of less than 100. For general-purpose use, appliance repair, radio and TV servicing, repairing automotive electrical systems, etc. Provide reliable connections without soldering. Av. shpg. wt., per pkg., 3 oz.

Stock No.	Fig.	Mfr's No.	Wire Size	Stud Size	Lgth.	Pkg. Qty.
44 H 476	X	2300	22-16	4-6	17/32"	41
44 H 481	X	2301	22-16	4-6	3/4"	41
44 H 482	X	2302	22-16	8-10	1 1/2"	41
44 H 477	X	2400	16-14	4-6	23/32"	41
44 H 485	X	2401	16-14	4-6	1 1/2"	41
44 H 486	X	2402	16-14	8-10	2 3/8"	41
44 H 489	X	2502	12-10	8-10	1 1/2"	32
44 H 490	X	2503	12-10	12-1/4	2 3/8"	25
44 H 498	Y	2600	22-16	4-6	1 1/2"	44
44 H 492	Y	2601	16-14	4-6	49/64"	41
44 H 493	Y	2602	16-14	8-10	49/64"	41
44 H 494	Y	2702	12-10	8-10	49/64"	32
44 H 499	Z	3300	22-16	4-8	3/8"	15

NET PER PKG.98

Alligator Clips, Terminal Strips, Lugs



MUELLER CLIPS AND FLEXIBLE INSULATORS

MESH TEETH TEST CLIPS

A For general purpose use. *Solid Copper. †Solid bronze. ‡Cadmium-plated steel. †Insulation-piercing needle. Av. shgp. wt., 3 oz.

Stock No.	Type	Amps	Size	NET
45 H 000	\$45	5	1 1/4"	.07
45 H 005	*45C	10	1 1/4"	.14
45 H 010	†48B	10	2"	.11
45 H 078	*48C	10	2"	.15
45 H 087	†50C	10	2 1/4"	.28

LEAD-PLATED BATTERY CLIPS

A For moderately heavy current work, including battery charging, electroplating, and light welding. Av. shgp. wt., 4 oz.

Stock No.	Type	Amps	Description	Size	NET
45 H 021	24A	25	Positive	2 1/2"	.23
45 H 022	24A	25	Plain	2 1/2"	.23
45 H 023	21A	50	Positive	4"	.40
45 H 024	21A	50	Plain	4"	.40
45 H 026	11A	100	Positive	6"	1.06
45 H 027	11A	100	Plain	6"	1.06

SOLID COPPER CLIPS

A Heavy-duty, high-conductivity, solid copper clips. Shgp. wts.: 24C, 2 oz.; 21C, 3 oz.; 11C, 7 oz.; 33C, 13 oz.

Stock No.	Type	Amps	Description	Size	NET
45 H 028	24C	50	Positive	2 1/2"	.38
45 H 029	24C	50	Plain	2 1/2"	.38
45 H 031	21C	100	Positive	4 1/2"	.97
45 H 032	21C	100	Plain	4 1/2"	.97
45 H 033	11C	200	Positive	6"	1.81
45 H 034	11C	200	Plain	6"	1.81
45 H 050	33C	300	Plain	7 1/2"	3.35

NON-FERROUS RF TEST CLIP

B Type 88. Phosphor bronze clip, brass screw. Ideal for coils. 1 1/2". Shgp. wt., per 100. 1/2 lb. EACH .22

Stock No.	Type	Amps	Description	Size	NET
45 H 055	88	10	Phosphor bronze clip, brass screw	1 1/2"	.22

G-C ELECTROCRRAFT ALLIGATOR CLIPS

Have plastic insulated handles. Types 33-334, 33-336, 33-330, 33-332 are Fig. L. Others are Fig. M. Clips are steel cadmium-plated. Springs maintain firm grip. Types 33-328 and 33-326 are all-insulated to prevent shock or grounding. All accept std. phone tip or banana plug except Type 33-326, banana plug; Type 33-328, tip plug. Av. wt., 2 oz.



Stock No.	Type	Color	Description	NET
41 H 300	33-334	Red	With tip jack adapter.	.32
41 H 305	33-336	Black	With tip jack adapter.	.32
41 H 168	33-330	Red	Comb. tip & banana jack.	.38
41 H 169	33-332	Black	Comb. tip & banana jack.	.38
41 H 373	33-328	Red	With tip jack adapter.	.35
41 H 374	33-328	Black	With tip jack adapter.	.35
41 H 382	33-326	Red	Solder type connection.	.24
41 H 383	33-326	Black	Solder type connection.	.24

TIE POINTS, TERMINAL STRIPS, SNAPS, STUDS, LUGS, BINDING POSTS AND PLUGS



CINCH-JONES TERMINAL STRIPS

W Lug Types. Solder coated steel lugs spaced on 3/4" centers; 140 dia. mounting holes. Bakelite strips, 1/2x3/4". Av. 2 oz.

Stock No.	Type	Terminals	NET
22 H 644	51	1	.02
22 H 645	52	2	.02
22 H 646	53E	3	.03
22 H 647	54	4	.05
22 H 648	54E	5	.04
22 H 643	56B	6	.06

X Screw Type. Solder coated brass, 1/8" centers; .136" dia. mtg. holes. 1/2" thick. Av. wt., 2 oz.

Stock No.	Type	Terminals	NET
22 H 649	17-2	2	.06
22 H 650	17-3	3	.09
22 H 651	17-4	4	.12
22 H 652	17-5	5	.15
22 H 653	17-6	6	.18

Contacts for temporary or permanent connections. Snap, 7/8" dia. x 7/8" L; Stud, 6-32x1/4"; Lug, 1/2x3/4x3/4". Nickel-plated brass. Snap has solder lug with hole for 6-32 screw. 12 oz. 100 per pkg.

Stock No.	Fig.	Description	PER PKG.
44 H 450	Y	Snaps for lugs and studs.	7.90
44 H 452	Z	Snaps for panel or chassis mtg.	5.00
44 H 451	AA	Lugs for flush mounting.	5.00

BATTERY BINDING POST
BB Heavy-duty. Has separate threaded terminal. 5 oz. EACH .56

TERMINAL LUGS AND PIN PLUGS

Wt., per pkg., 4 oz. 10 per pkg.
Stock No. Fig. Description PER PKG.
41 H 767 CC Terminal lugs. .53
41 H 777 DD Black, insulated pin-plug. .54

MINIATURE TIE-POINTS

EE Bakelite strips handy for supporting parts in circuit wiring. Tinned terminals on 1/8" phenolic. With ground lug. Av. shgp. wt., per pkg., 8 oz. 10 per pkg.

Stock No.	Terminals	PER PKG.
41 H 510	2	-.15
41 H 511	3	-.19
41 H 512	4	.25
41 H 513	5	.31
41 H 514	6	.36

HEAVY-DUTY STRIPS

FF Designed for heavy-duty use, the terminal strips are constructed of 1/2" thick, black bakelite. Have cadmium plated screw terminals and tinned lugs. Ideal for antenna-ground connection on receivers; speaker connections on receivers; power supply terminals, and similar applications. Bakelite base is drilled for 2-hole chassis mounting. Av. shgp. wt., 4 oz.

Stock No.	Terminals	NET EACH
41 H 875	2	.20
41 H 880	3	.27
41 H 885	4	.33
41 H 890	5	.40
41 H 895	6	.45
41 H 897	7	.51
41 H 898	8	.58

3-SIDED MESH TEETH CLIPS

C Cadmium-plated steel; *solid copper. Jaws open 3/8". Shgp. wt., per 100. 3 1/4 lb.

Stock No.	Type	Amps	Size	NET
45 H 015	‡27	20	2 1/4"	.13
45 H 097	*27C	40	2 1/4"	.23

"MINI-GATOR" CLIPS

D Miniaturized—1/4" jaw opening, 1/4" O.D. tip. ‡Cadmium-plated steel; *solid copper. Shgp. wt., per 100. 3/4 lb.

Stock No.	Type	Amps	Size	NET
45 H 142	‡30	5	1 1/4"	.06
45 H 143	*30C	10	1 1/4"	.07

70 SERIES ALLIGATOR CLIPS

E ‡Cadmium-plated steel; *solid copper; †solder connection; ‡screw connected. Wt., per 100. 1 lb.

Stock No.	Type	Amps	Size	NET
45 H 170	70†	5	1 1/4"	.07
45 H 171	70S†	5	1 1/4"	.08
45 H 172	70CS‡	10	1 1/4"	.11

INSULATED BARREL ALLIGATOR CLIPS

F Made of cadmium-plated steel, except *solid copper. Jaws open 3/8". Wt., per 100. 1 1/2 lb.

Stock No.	Type	Size	Description	NET
45 H 070	60HS	2 1/2"	Red handle	.11
45 H 075	60HS	2 1/2"	Black handle	.11
45 H 090	*60CHS	2 1/2"	Red handle	.15
45 H 095	*60CHS	2 1/2"	Black handle	.15

CROCODILE CLIPS

G *Solid copper; ‡cadmium-plated steel; †Phone tip on one jaw. Wt., per 100. 1 1/4 lb.

Stock No.	Type	Size	Description	NET
45 H 060	‡85	2 1/4"	Screw Connection	.09
45 H 062	*85C	2 1/4"	Screw Connection	.18
45 H 098	‡85T	2 1/4"	Tip-Clip	.28

FAHNESTOCK SPRING CONTACT CLIPS



Made of brass, except *bronze. Av. wt., per pkg., 3 oz. 10 per package.

Stock No.	Mfr's No.	Fig.	LXW	Max. Mtg. Hole	PKG. OF 10
41 H 700	2	N	1 1/2x3/4"	10	8 .17
41 H 702	3	N	1 1/2x3/4"	10	8 .17
41 H 705	10	N	3/4x3/4"	14	6 .10
41 H 703	5	P	1 1/2x3/4"	10	8 .19
41 H 707	15	P	3/4x3/4"	16	4 .10
41 H 704	9	R	2 1/2x3/4"	10	8 .69
41 H 710	9C	R	1 1/2x3/4"	10	8 1.50
41 H 715	18	R	1 1/2x3/4"	14	6 .50
41 H 708	36	S	1 1/2x3/4"	10	lug .55
41 H 709	45	T	3/4x3/4"	12	6 .17

Amphenol Sockets and Shields

POPULAR STANDARD SOCKETS



A Type MIP. Bakelite body with molded-in steel plate. *Require 1 1/2" hole; mounting centers, 1 1/2". All others have 1 1/2" mounting centers. †Requires 1 1/2" hole; others 1 1/2" hole. ‡Mica-filled bakelite. Av. shgp. wt., 4 oz.

Stock No.	Type	Prongs	NET
40 H 024	77MIP4	4	.14
40 H 025	77MIP5	5	.15
40 H 026	77MIP6	6	.18
40 H 027	77MIP7S	7 Small	.19
40 H 029	77MIP7L†	7 Large	.19
40 H 028	77MIP8	Octal	.16
40 H 126	88-8*	Octal	.17
40 H 030	88-8X*	Locтал	.22
40 H 034	77MIP8‡	Octal	.19
40 H 032	77MIP9	9	.18
40 H 033	77MIP11	11	.21
40 H 069	77MIP12	12	.21
40 H 070	77MIP20	20	.54

B Type RS. Molded bakelite body with removable mounting plate. For mounting in size 1 1/4" hole. Slotted mounting holes to fit centers from 1 1/2 to 1 3/4". Av. shgp. wt., 4 oz.

Stock No.	Type	Prongs	NET
40 H 004	78RS4	4	.18
40 H 005	78RS5	5	.20
40 H 006	78RS6	6	.21
40 H 007	78RS7S	7 Small	.22
40 H 008	78RS8	Octal	.20
40 H 010	78RS8L	Locтал	.27
40 H 012	78RS9	9	.23
40 H 071	78RS11	11	.25

MIP SOCKET KIT

Type 77-3K. For making any Type MIP socket (above) into floating socket. Includes: 4

grommets, 2 mtg. screws, nuts, washers. 1 oz. 40 H 092. NET16

MINIATURE SOCKETS AND SHIELDS

BAKELITE SOCKETS

Miniature sockets and shields. 147 series mount in 3/8" hole; 3/8" mtg. ctrs. with 3/8" holes. 59 series mount in 1/2" hole and have 1 1/2" mtg. ctrs. with .095" holes (except 40 H 103, .125"). †Black bakelite. ‡Mica-filled. Shgp. wt., 5 oz.

E WITHOUT TUBE SHIELD BASE

Stock No.	Type	Prongs	NET
40 H 191	1147-500	7	.21
40 H 199	1147-505	9	.27
40 H 193	159-409	9	.27
40 H 167	159-410	9	.26

F WITH TUBE SHIELD BASE

Stock No.	Type	Prongs	NET
40 H 194	1147-905	7	.28
40 H 175	1147-913	7	.28
40 H 103	159-403	9	.39
40 H 176	159-407	9	.36
40 H 196	159-406	9	.32

G TUBE SHIELDS

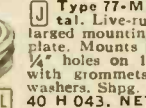
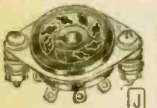
For 7-Contact Sockets

Stock No.	Type	Height	NET
40 H 197	5-401	1 3/8"	.16
40 H 198	5-402	1 3/8"	.15

For 9-Contact Sockets

Stock No.	Type	Height	NET
40 H 188	5-405	1 3/8"	.14
40 H 189	5-408	1 1/2"	.19
40 H 190	5-409	2 3/8"	.23

SPECIAL OCTAL AND MAGNOL SOCKETS



K Type 168-015 Saddle Octal. Designed for below-chassis mounting. Sturdy steel plate is molded directly into bakelite body—cannot come loose or vibrate. For 1" hole; 1/2" mounting holes on 1 1/4" centers. Shgp. wt., 5 oz. 40 H 118. NET EACH15

L Type 49-SS11L Magnol. Has 1 1/4" pin circle to accept 11-prong cathode-ray tubes. Constructed from low-loss steatite. Steel retaining ring for quick assembly. Requires 1 1/4" mounting hole. Shgp. wt., 7 oz. 40 H 090. NET EACH86



H RETAINER RING SOCKETS
Mount in 3/8" round or "D" shaped hole with retainer rings provided. May be used with Amphenol Series 91-MPM plugs. 5 oz.

Stock No.	Type	Prongs	NET
40 H 131	78-S3S	3	.09
40 H 115	78-S4S	4	.12
40 H 122	78-S5S	5	.16
40 H 130	78-S6S	6	.17
40 H 120	78-7P	7	.22

MICA-FILLED

40 H 124 | 78-7PT | 7 | .22

TYPE "S" MINIATURE SOCKETS

Full-size bakelite body with miniature 7 or 9-pin contacts. Ideal for re-circuiting. Mounts in std. 1 1/4" chassis hole with retainer ring (supplied). Wt., 5 oz. 40 H 113. 78-A7P. 7 Pin. NET34 40 H 114. 78-A9P. 9 Pin. NET34



ACS SOCKET SHELL

Type 23-1S. Lightweight aluminum shell for Type RSS, RS and S sockets on left (except Type 49RSS 7L). Permits extension of sockets 1/4" above or below chassis surface. Body dia. 1 1/8", 2 3/8" base. Requires 1 1/4" mounting hole. Socket not supplied. Shgp. wt., 5 oz. 40 H 127. NET14

HIGH-VOLTAGE OCTAL SOCKET

Type 146-101. Designed for maximum performance under extremely high voltage conditions. Molded of durable arc-resistant Melamine. Accommodates octal tubes of any size up to a diameter of 1 1/4". For such tubes as 5Y4G, 5U4G, 6L6G, etc. Requires 1 1/2" dia. hole with 2 3/8" mtg. holes on 2 3/8" centers. 4 oz. 40 H 088. NET88

HIGH-VOLTAGE 4-CONTACT SOCKET

Type 146-812. Four contact, above chassis mounting plate type socket for high voltage applications. Quick heat dissipation is aided by steel cadmium plated mtg. plate. Two 1/4" mtg. holes on 2 1/4" mtg. ctrs. Requires 1 1/4" dia. mtg. hole. Shgp. wt., 4 oz. 40 H 089. NET2.27

HIGH-VOLTAGE 4-CONTACT SAFETY SOCKET

Type 77A-4T. For 4-pin hi-voltage rectifiers and other types with base dia. of .156". Requires 1 1/2" hole with 3/8" mtg. holes on 1 1/4" centers. Socket is recessed in shell. 5 oz. 40 H 147. NET60

TV TUBE SOCKET

Type 59-402. Standard duodecal socket for cathode-ray tubes with 12 pins on 1.063" dia. Removable bakelite cap to eliminate shock hazard. Wt., 5 oz. 40 H 100. NET86

BARRIER-TYPE OCTAL RELAY SOCKETS

Maximum EIA working voltage, 200 VDC. Bronze clad removable contacts rated 8 amps each. Inter-electrode capacitance, 2.6 mmf. *Includes 4 threaded inserts for use as tie points. Size: 9/16x1 1/8x 2 3/8". Mtg. centers, 1 1/8". Shgp. wt., 8 oz. 40 H 180 146-103 Top 1.44 40 H 181 146-104* Top 1.76 40 H 080 146-203 Bottom 1.44 40 H 087 146-204* Bottom 1.76

NEW 11-CONTACT RELAY SOCKET

Type 146-817. For current relay requirements of 600 VRMS @ 10 amps. Socket-type replaceable contacts on 3/8" circle. Two .156" mtg. holes on 3/8" centers; 4 tie points. 1 lb. 42 H 5933.64

NEW 14-CONTACT RELAY SOCKET

Type 59-106. For standard 14-contact relays and turret terminals. Removable hermetically sealed headers. Requires 3/4" hole with 1/4" mtg. holes on 1 1/4" centers. Wt., 4 oz. 40 H 000. NET37

NEW 20-CONTACT RELAY SOCKET

Type 59-470. Relay socket with 20 heat-treated beryllium copper contacts and turret terminals. Requires 1" hole and two .144" mtg. holes on 1.406" centers. Shgp. wt., 4 oz. 40 H 001. NET8.40

ELCO TRANSISTOR AND TUBE SOCKETS

TRANSISTOR SOCKETS



Sub-miniature mica sockets eliminate loss and damage from direct soldering of transistor pins. For 3-pin transistors with in-line pins or 3 and 4 pin transistors with pins on 200° diam. circle of any configuration. Conform to MIL-P-14. *Ring only for 3304, 3307, 3313. †PC, mounting for printed circuits; MR, mounting ring. Av. wt. 2 oz.

Stock No.	Mfr's Type	Flg.	†Mto.	NET EACH
41 H 092	3301	A	Saddle	.35
41 H 238	3303	A	PC	.27
41 H 094	3305	A	PC	.30
41 H 244	3308	B	PC	.30
41 H 093	3304	A	MR	.26
41 H 243	3307	B	MR	.26
41 H 249	3313	C	MR	.29
41 H 095	757	*	MR	.03

PRINTED CIRCUIT SOCKETS

Excellent selection of sub-miniature, mica filled phenolic sockets for use on printed circuit boards. For transistors and sub-miniature type tubes. All contacts gold flashed. Av. shpg. wt. 2 oz.



Stock No.	Type	Prongs	EACH
41 H 062	786BC	3	.18
41 H 063	805BC	4	.18

RETAINER MOUNT SOCKETS

In-line sockets of mica filled phenolic. For transistors and subminiature tubes. Contacts are gold flashed. Require retainers listed. Av. shpg. wt. 3 oz.



Stock No.	Type	Prongs	EACH
41 H 074	799BC	3	.16
41 H 080	803BC	4	.17

Retainer Ring For Above Sockets. Designed for Elco Type 799BC and 803BC transistor and miniature tube sockets above. 2 oz. .03

NEW POMONA TEST SOCKET TUBE ADAPTERS

For measuring voltage, resistance, audio and video without tracing circuits from bottom of chassis. TVS-7, TVS-8, TVS-9 feature extended test tabs; low-loss mica-filled molded phenolic construction per MIL-M-14. Voltage breakdown elements exceed 1700 V., AC or DC. Types 1447, 1449 (sizes: .65" dia. x 1 1/2", and .75" dia. x 1 1/2" respectively), are for use with tuners having captive or telescoping tube shields—shields or covers do not have to be removed. Voltage breakdown exceeds 1800 V., AC or DC. Av. shpg. wt., 3 oz.



TVS-9 1447, 9

Stock No.	Type	Pins	Description	EACH
40 H 035	TVS-7	7	Miniature	1.62
40 H 036	TVS-8	8	Octal	1.71
40 H 037	TVS-9	9	Miniature	1.82
40 H 038	1447	7	Miniature	1.82
40 H 039	1449	9	Miniature	1.91

JAMES MILLEN TUBE SOCKETS

Recommended for UHF use. Higher steatite body gives longer leakage path between contacts. Mounting centers. 1 1/4". Shpg. wt. 4 oz.



Stock No.	Type	Prongs	EACH
72 H 060	33004	4	
72 H 061	33005	5	
72 H 062	33006	6	.60
72 H 064	33008	8	

VECTOR TUBE ADAPTER TEST KIT

Type T-789. For making voltage, resistance and wave form measurements from tube side of chassis. Contains 1—7-pin, 1-9-pin miniature, and 1 octal adapter—fit into tube shield bases. 1/2" diam. holes for test prod. points. 6 oz. 40 H 210, NET.....5.78



E. F. JOHNSON TUBE SOCKETS



SPECIAL SOCKET TYPES

- D** Type 122-105-100. 7-pin VHF steatite socket for 5894, 6524, 6252 tubes. Ventilated aluminum shell. Shpg. wt., 10 oz. 73 H 996, NET.....1.60
- E** Type 122-244-1. 4-pin steatite for "super jumbo" tubes. Takes 8008, BR6, SC22, 5C22, GL146, GL152, GL159, GL169, RO585, RH507, SR50, SR53, SK60, FG105. Wt., 1/2 lb. 73 H 997, NET.....1.75
- F** Type 122-276-1. Steatite socket for giant 5-pin base tubes. Takes 4-125A, 4-250A, RK28, RK48, 125M, 803. Shpg. wt., 10 oz. 73 H 998, NET.....2.30
- F** Type 122-101-100. 7-pin steatite with base shield and retainer springs. For use with 4-65A, 826, 829, 832, etc. Shpg. wt., 1/2 lb. 73 H 245, NET.....2.70
- G** Type 124-113-1. Capacitor-Mount. 1450 B10M mica screen by-pass. Tested 1000 V. DC. For 124-109 and 124-114 sockets. 6 oz. 73 H 999, NET.....5.00
- H** Type 124-114-1. Socket for 4X150A, 4X250B, 7034, 7035, etc. Shpg. wt., 1/2 lb. 73 H 995, NET.....5.65

VECTOR SOCKETS

PLUG-IN UNITS

Consist of standard tube socket, tubular terminal post, octal plug and shield can. Can sizes: B10M and C10M and C10N, 2 square, 2 1/2" long. Av. shpg. wt., 5 oz.



Stock No.	Type	Description	NET EA.
40 H 237	B10M	7-pin Miniature	1.91
40 H 238	B10N	9-pin Noval	1.95
40 H 241	C10M	7-pin Miniature	2.21
40 H 239	C10N	9-pin Noval	2.24

SOCKET-TURRETS

Terminal structures for use in single or multi-stage sub-assemblies. Components mount on phenolic form. Turrets are 1/2" diam. Octal units mount in 1/2" hole; miniatures, 3/8" hole. Av. shpg. wt., 3 oz. 2 1/2" Turret. Has 9 terminals in two rings spaced 1 1/4" apart.



Stock No.	Type	Socket	NET
40 H 211	10-0-9T	Octal	.63

2" Turrets, 9 terminals in two rings, 1" apart.

40 H 212	8-0-9T	Octal	.60
40 H 217	8-M-9T	7-Pin Min.	.69
40 H 233	8-N-9T	9-Pin Noval	.69

1 1/4" Turrets. Have 6 terminals in one ring.

40 H 213	6-0-6T	Octal	.54
40 H 218	6-M-6T	7-Pin Min.	.60
40 H 234	6-N-6T	9-Pin Noval	.63

Shield Bases. For miniature sockets above. Fasten above chassis on socket mtg. centers. Use with standard bayonet type shield. 2 oz.

Stock No.	Type	Description	NET
40 H 235	S7	For 7-pin sockets	.09
40 H 236	S9	For 9-pin sockets	.09

RAY-PAR ANTI-CORONA SOCKET

Octal socket for 1B3 high-voltage rectifier tube. Corona ring minimizes breakdown. Laminated bakelite. Mounts on insulator or high-voltage capacitor with screw type terminal. Shpg. wt., 3 oz. 40 H 446, NET.....4.4



NEW EBY NOVISTOR ADAPTER

Type 9320. This adapter permits testing of the new 7 pin novistor tubes using existing test equipment. Simply plug adapter into standard octal socket. Includes easy-to-follow instruction sheet. Shpg. wt., 8 oz. 41 H 359, NET.....2.06



BAYONET SOCKETS

- J** Type 123-209-1. For tubes with 4 prong "X" base: 852, 860, 866 tubes, etc. 4 mtg. holes, 2 1/4" centers. Wt., 10 oz. 73 H 195, NET.....1.70
- J** Type 123-211-1. Porcelain base socket for use with "jumbo"-type 4-pin tubes. Takes 211, 872 tubes, etc. Mounting centers are spaced 2 1/4". Shpg. wt., 1 lb. 73 H 191, NET.....2.15

STANDARD WAFERS

Steatite wafer sockets designed to meet general requirements of receiving, low-power transmitting tubes. All types have cadmium-plated contacts. Bases are glazed steatite. Size, 2 1/4" x 1 1/4". Sockets have 1 1/4" mounting centers. Shpg. wt., 4 oz.



Stock No.	Mfr's Type	Prongs	NET
73 H 238	122-224-1	4	.76
73 H 239	122-225-1	5	.83
73 H 241	122-227-1	7	1.00
73 H 243	122-228-1	Octal	1.05

EBY SOCKETS

- Type 12
- Type 49

Above-Chassis Type. One-piece molded bakelite construction, for top-of-chassis or panel mounting. Contact designations molded in base. Mounting centers, 1 1/4". Shpg. wt., 2 oz.

Stock No.	Type	Prongs	EACH
40 H 254	12-4	4	.38
40 H 255	12-5	5	.43
40 H 256	12-6	6	.44
40 H 261	12-7-N-O	7L & 7S	.46
40 H 258	12-8	Octal	.51

TV Tube Socket Type 49-13DDD. All-molded bakelite, duo-decal TV tube socket for magnetic or electrostatic focusing tubes. Complete with 18" leads. Shpg. wt., 4 oz. 40 H 291, NET.....4.7

EBY BLACK-AND-WHITE CRT TEST SOCKET ADAPTER

Type 1000. TV picture tube socket adapter, easy to install or remove. External lugs permit checking all CRT pin voltages while set is in operation. No wiring or soldering required. Wt., 3 oz. 40 H 273, NET.....94



NEW EBY COLOR CRT TEST SOCKET ADAPTER

Type CA-1. Test point adapter for all color cathode ray tubes. The CA-1 allows any serviceman to test color picture tubes without removing the picture tube or chassis from the cabinet. Easily plugs onto the rear of CRT for testing of the tube under actual operating conditions. Wt. 8oz. 41 H 384, NET.....5.88



NEW EBY NOVAR ADAPTER

Type 9330. Keep your servicing equipment up-to-date by adding this new adapter. Permits testing of new 9-pin Novar tubes on existing test equipment. Each adapter supplied with complete instructions showing use with existing test equipment. Shpg. wt. 5 oz. 41 H 399, NET.....2.06



Tube Sockets, Plugs, Shields, Caps and Hold-Downs

CINCH-JONES PLUGS AND SOCKETS



A Octal Sockets With 1 1/2\"/>

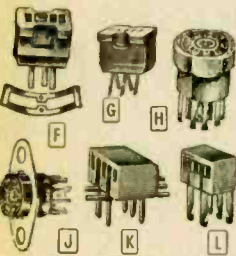
Stock No.	Type	Description	NET
22 H 579	8AB	Black Bakelite	.09
22 H 580	8AM	Mica-filled	.12

B Octal Sockets With 1 1/2\"/>

22 H 581	8EB	Black Bakelite	.10
22 H 583	8EM	Mica-filled	.12
22 H 582	8EC	Ceramic	.45

Miniature Sockets—Bottom Mounting. Molded bakelite. Solder-coated brass contacts; cadmium plated steel saddle. 7EB and 7EM mount in 3/8\"/>

Stock No.	Type	Fig.	Description	NET
22 H 567	7EB	C	7-pin, bakelite	.09
22 H 568	7EM	D	7-pin, mica-filled	.11
22 H 598	9EB	D	9-pin, bakelite	.12
22 H 595	9EM	D	9-pin, mica-filled	.14



SUB-MINIATURE TUBE AND TRANSISTOR SOCKETS

Sub-Miniature Types. For hearing aids, miniature radios, etc. Mica-filled bakelite with silver-plated contacts. 4-prong miniature tubes and G.E. G11 and G11A transistors fit 2H5. *Mounting ring for Type 8SM. Av. shpg. wt., 2 oz.

Stock No.	Type	Pins	Fig.	NET	Stock No.	Type	Pins	Fig.	NET
40 H 294	2H3	3	G	.20	40 H 242	8SM	8	H	.42
40 H 245	2H3	3	C	.25	22 H 614	8SMP	8	J	.54
22 H 613	2H6	6	G	.25	22 H 615	2MR	*		.02
40 H 247	2H7	7	G	.31					

Transistor Types. 5-contact sockets; Type 5PC (Fig. K) for printed circuits; 5WC (Fig. L) for wired circuits. 2 oz.

Stock No.	Type	Size	NET	Stock No.	Type	Size	NET
40 H 249	5WC	1/2x1/2x3/4"	.38	40 H 252	5PC	1/2x1/2x1/2"	.39



TUBE SHIELDS AND CAPS

A complete selection of tube caps and shields for receiving and transmitting tubes. Shields are used extensively with low level, high gain audio amplifier stages to eliminate hum pickup. Shields also prevent oscillation in high gain RF amplifiers and radiation in oscillator and converter tubes. Shields and ground clips (Figs. M, N, and P), for both 7-pin miniature and bantam type tubes are listed. A variety of tube caps is available providing positive, depend-

able contact for each particular use. Choose from plastic, metallic and ceramic types. Listing includes heat-dissipating types—fins have large surface area for rapid radiation of heat; hot set screw (Fig. S), for secure connection. Millett Type 36011 (Fig. W), gives tighter-than-normal grip for use in industrial and mobile applications; self-locking, has snap-button release. *For use with wire leads. Others are cap type. Shpg. wt. per pkg., 3 oz.

Stock No.	Fig.	Description and Application	Per Pkg.	NET Per Pkg.
42 H 510	M	Goat G1332-3 tube shield for GT tubes, 2 3/4\"/>		
42 H 511	N	Goat G1332-5A. Same as 42 H 510, but with closed top.	4	.25
42 H 512	P	Goat G1700 tube shield for min. 1 1/2\"/>		
42 H 514	R	National Type 24. For standard tubes, 1/2\"/>		
42 H 515	R	National Type 8. For octal tubes, 1/2\"/>		
42 H 508		(Not illustrated). Goat G1004-2 ground clip for grounding shields on octal tubes.	5	.20
42 H 506		(Not illustrated). Goat G1307-2 double clip for octal base tubes (fits on tube socket).	10	.11
42 H 093	S*	Elmac HR-3 heat dissipating cap for 35T, 250TH, etc. 3/8\"/>		
42 H 096	S	Elmac HR 6 heat dissipating cap for 4-250A, 304TH, etc. 3/8\"/>		
73 H 007	S	Bud TC-487 heat dissipating cap for UH50, HK24, 304B, 825B, 832A, 834, 1/2\"/>		
73 H 001	S	Bud TC-489 heat dissipating cap for 35T, HK54, etc. 3/8\"/>		
73 H 002	S	Bud TC-1920 heat dissipating cap for 100T, 807, 4-125A, 2-150D, 250TH, 4-250A, 6146, 1625, 4032, 807W, 1B3GT, etc. 1/2\"/>		
73 H 003	S	Bud TC-1921 heat dissipating cap for 866, T125, HF100, 450TH, 750TH, 809, 811, 812, 813, 828, 866, etc. 3/8\"/>		
72 H 082	W	Millett 36011 industrial snap-action plate cap. 3/8\"/>		
71 H 246	T	National SPP-9 ceramic-insulated grid and plate cap. 3/8\"/>		
42 H 518	R	National Type 12 grid and plate cap. 3/8\"/>		
72 H 069	X	Millett Type 36002 steatite tube cap. 3/8\"/>		
72 H 140	X	Millett Type 36004 steatite tube cap. 1/2\"/>		
72 H 068	X	Millett 36001 steatite plate cap for 866, etc. 3/8\"/>		



Miniature Sockets—Top Mounting. Molded bakelite. Brass contacts. 7A1B and 7A1M mount in 3/8\"/>

Stock No.	Type	Fig.	Description	NET
22 H 565	7A1B	C	7-pin, bakelite	.09
22 H 566	7A1M	C	7-pin, mica-filled	.11
22 H 592	9AB	D	9-pin, bakelite	.12
22 H 593	9AM	D	9-pin, mica-filled	.14

E Ring-Mounting Octal Sockets. Molded bakelite with solder-coated brass contacts. Mount in 1 1/4\"/>

Stock No.	Type	Size*	Description	NET
22 H 584	8K1	3/8"	Black bakelite	.18
22 H 586	8R3	3/8"	Mica-filled	.22
22 H 587	8R4	3/8"	Black bakelite	.18
22 H 588	8R5	3/8"	Mica-filled	.22
22 H 585	8R2	3/8"	Black bakelite	.18
22 H 589	8R6	3/8"	Mica-filled	.22

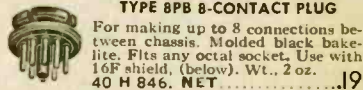
22 H 590. Type 8R0 Retainer Ring. Extra rings for above sockets. Wt., 1 oz. NET...04

22 H 591. Type 8AP Adapter Plate. For use with ring sockets when screw or rivet mounting is required. Slotted 1 1/2\"/>



Laminated-bakelite tube sockets widely used in radio, TV, mobile units, etc. Solder-coated brass contacts. *With center shield. Av. wt., 2 oz.

Stock No.	Type	Centers	Pins	NET
22 H 622	7W2A*	1/2"	7 (min.)	.07
22 H 623	7W2*	1/2"	7 (min.)	.07
22 H 624	7W1*	1 1/8"	7 (min.)	.08
22 H 625	7W2*	1 1/8"	7 (min.)	.08
22 H 626	8W2*	1 1/8"	8	.08
22 H 627	9W1*	1 1/2"	9 (min.)	.09
22 H 628	9W2*	1 1/2"	9 (min.)	.08



TYPE 8PB 8-CONTACT PLUG
 For making up to 8 connections between chassis. Molded black bakelite. Fits any octal socket. Use with 16F shield, (below). Wt., 2 oz.
 40 H 846. NET...19

TYPE 11PB 11-CONTACT PLUG. Same as above, but with 11 contacts. Molded black bakelite construction. Fits 11-contact socket. Type 11RB listed below. Use with Type 16F snap-on shield, below. Shpg. wt., 2 oz.
 40 H 847. NET...25

TYPE 16F STEEL SNAP-ON SHIELD
 Cadmium-plated, durable steel shield. Snaps on 8PB and 11PB sockets, above. Rubber grommet with 2 3/4\"/>

TYPE 11RB 11-CONTACT SOCKET
 Use with 11PB 11-contact plug (above). Precision molded from high-dielectric, black bakelite. Mount on 1/2\"/>

CHASSIS AC SOCKET
 Type 2R2. Molded, black bakelite. Rated: 15 amp. at 110 v., 10 amp. at 250 v. Solder-lug terminals. Mounts in 3/4\"/>

POMONA SOCKET SAVERS
 Rigid-mounting socket savers of durable phenolic materials with long-life metal contacts. Protect your tube tester sockets from wear of repeated tube insertions. Plug into original socket. 3 oz.

Stock No.	Type	Description	NET
40 H 668	SS-7	For 7-pin miniature	1.71
40 H 669	SS-8	For 8-pin octal	
40 H 678	SS-9	For 9-pin miniature	

POMONA 110° CONVERSION ADAPTERS
 Model 110-S. Sylvania Type. For duodecal test equipment. No rewiring—plug in for 110° socket. Has 820° pin circle dia. 7 pins. .093\"/>

"MINI-SPRING" TUBE HOLD-DOWNS
 Hold tubes securely in place. Prevent breakage and assure greater stability. Valuable where tubes are mounted upside down or in a horizontal position; also excellent for equipment subject to vibration and shock. For 7 or 9 pin miniature tubes. Mount with nut and bolt, or may be installed with rivet. Average shpg. wt., 3 oz. 3 per package.

Stock No.	Height	For Tubes	Per Pkg.
41 H 121	2 3/8"	6A05, 6X4, 35B5, 35W4, 50B5, etc.	.26
41 H 122	1 7/8"	1R5, 6AG5, 6AT6, 6BE6, 6C4, etc.	
41 H 123	1 1/2"	6A15, 6A3K5, 6AL5, 6A50, 6N4, etc.	
41 H 124	1 1/8"	12A7, 12AU7, etc.	

Connectors, Plugs and Sockets

HARVEY HUBBELL "TWIST-LOCK" CONNECTORS



A wide selection of heavy-duty electrical connectors for industrial or home use. Available in both midget and standard sizes. Feature "Twist Lock" design for fast, sure connections. Just plug connectors together and twist for a locked connection that cannot be accidentally pulled apart. Ideal for extension cables, electric tools, motors, and other electrical equipment subject to vibration. Conform to National Electrical Code Standard. Av. shpg. wt., 3 oz.

MIDGET-SIZE CONNECTORS 2-WIRE NON-POLARIZED TYPES

Type 7428 male cap and Type 7427 female connector are of durable brown bakelite with metal cable clamps for 3/8 to 1/2" O.D. cords. Type 7466 male base and Type 7465 female base are of bakelite with metal housings. Rated 10 amps at 250 volts, or 15 amps at 125 volts.

Stock No.	Mfr's Type	Fig.	Description	NET EACH
41 H 282	7428	A	Male Cap	.44
41 H 283	7427	B	Female Connector	.80
41 H 284	7466	C	Male Base	.94
41 H 287	7465	D	Female Base	1.14

3-WIRE POLARIZED TYPES

As above but for 3-conductor cables. Insulation is black bakelite. Clamps accept cords from .281 to .421" O.D. Polarization prevents wrong connection. Rated 10 amps at 250 v., or 15 amps at 115 v.

Stock No.	Mfr's Type	Fig.	Description	NET EACH
41 H 288	7485	A	Male Cap	1.03
41 H 289	7484	B	Female Connector	1.49
41 H 290	7486	C	Male Base	1.32
41 H 291	7487	D	Female Base	1.61

STANDARD SIZE CONNECTORS

3-WIRE POLARIZED TYPES

Type 7572 male cap. Type 7556 male base and Type 7557 female base have rust-resistant metal housings. Type 7555 female connector is bakelite. Clamps take cords from .296 to .562" O.D. All are rated 10 amps at 250 volts, or 15 amps at 125 volts.

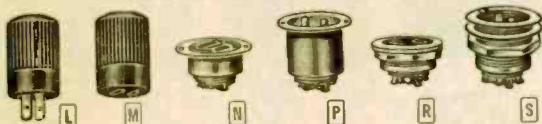
Stock No.	Mfr's Type	Fig.	Description	NET EACH
41 H 292	7572	E	Male Cap	1.32
41 H 293	7555	H	Female Connector	1.94
41 H 294	7556	J	Male Base	1.61
41 H 295	7557	F	Female Base	1.78

HEAVY-DUTY 3-WIRE POLARIZED TYPES

Type 7311 cap. Type 7327 male base and Type 7328 female base have metal housings. Type 7313 connector is bakelite. Clamps take .437 to .750" O.D. cords. Rated 20 amps at 250 v., 10 amps at 600 v. *Armored.

Stock No.	Mfr's Type	Fig.	Description	NET EACH
41 H 296	7311	E	*Male Cap	1.76
41 H 297	7313	H	*Female Connector	2.71
41 H 298	7327	G	Male Base	2.09
41 H 299	7328	K	Female Base	3.21

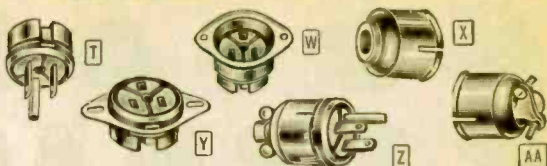
AH&H MIDGET CONNECTORS



Midget 2-prong cord connectors and receptacles. Especially suited for applications where space is at a premium. Types illustrated in Figures L and M have housings of durable molded bakelite. Others have rust-resistant metal housings and insulation of bakelite. All units are rated at 10 amperes at 250 volts. A 1" diameter hole is required for all receptacles. Contact spacing is 1/2". Receptacle terminals are exposed. All units have threaded covers. Types 80326 and 80328 are furnished with plate for screws. Types 80327 and 80329 are furnished with plate and lock ring. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Description	NET
52 H 721	80324	L	Male cable connector	.67
52 H 722	80325	M	Female cable connector	.67
52 H 725	80326	N	Female flush receptacle	.80
52 H 728	80328	P	Male flush receptacle	.89
52 H 727	80327	R	Female flush receptacle	1.33
52 H 728	80329	S	Male flush receptacle	1.35

AMPHENOL PLUGS AND SOCKETS



STANDARD AND GROUNDING-TYPE AC PLUGS AND SOCKETS

61 Series is 2-pole; 160 Series is 2-pole with grounding lug, recommended where grounding is required. Black phenolic. Rated 15 amps at 120 v., AC/DC; 10 amps at 220 v. All are U.L. Approved except Types 160-10 and 160-11, which must be grounded after mounting. Av. shpg. wt., 3 oz.

T Retainer Ring Mounting Types. For mounting in 1 1/4" keyed hole in chassis up to 1/8" thick. 61-M is standard type; 61-F is universal style. *Includes prong and third terminal for ground wire. All are 2-pole.

Stock No.	Type	Descrip.	EACH	Stock No.	Type	Descrip.	EACH
40 H 675	61-M	Male	.29	42 H 522	160-10*	Female	.60
40 H 677	61-F	Female	.27	42 H 523	160-11*	Male	1.10

Y Mounting Plate Types. All require 1 1/2" mtg. holes and have 3/8" slotted holes on 1 1/2" to 1 3/4" centers except Type 61-MIP-61F which requires 1 3/8" mtg. hole and has 3/8" holes on 1 1/2" centers. Types 61-M1 and 61-F1 have removable mtg. plates. *With terminal for ground wire. All 2-pole.

40 H 680	61-M1	Male	.33	42 H 525	160-3*	Female	1.12
40 H 682	61-F1	Female	.32	40 H 085	61-MIP-	Female	.28
42 H 524	160-2*	Female	.72		61F	Female	

Type 61-61 Recessed Shell. Shell for converting Type 61, 86 and 160 connectors to recessed mtg. types (listed below). Fits 1 1/2" hole; two 3/8" screw holes on 1 1/2" centers. Lowers connector 1 3/8". Wt. 2 oz.

W Recessed Mounting Types. Consist of Types 61 and 160 plugs and sockets in Type 61-61 recessed shell (above). *Ground terminal.

Stock No.	Type	Descrip.	EACH	Stock No.	Type	Descrip.	EACH
40 H 685	61-M10	Male	.44	42 H 526	160-4*	Female	.82
40 H 687	61-F10	Female	.44	42 H 527	160-5*	Male	1.22

Cable Mounting Type. Shielded. Steel-shelled, grounding-type plugs and sockets for use with AC cords. Types 160-6 and 160-7 have cable clamp (Fig. Z) for use up to 3/4" cable; Types 160-8 and 160-9 have rubber grommets (similar to Fig. X) for use up to 3/8" cable. All are 2-pole. 3 oz.

42 H 528	160-6	Female	.82	42 H 535	160-8	Female	.88
42 H 529	160-7	Male	1.18	42 H 536	160-9	Male	1.26

Steel Caps. For use with above plugs, sockets and connectors. Types 3-13 and 3-857 (Fig. X), have grommet for up to 3/4" cable. Types 3-24 and 3-856 (Fig. AA), have adjustable clamps for cables up to 3/4" diameter.

Stock No.	Type	Fig.	Use with Plugs and Sockets	Types	EACH
42 H 537	3-13	X	61, 86-CP, and S	(Series 78)	.13
42 H 545	3-857	X	Series 160		.14
42 H 538	3-24	AA	61, 86-CP, and S	(Series 78)	.19
42 H 546	3-856	AA	Series 160		.20

AMPHENOL TYPE CP PLUGS

Standard bakelite plugs ideal for use as chassis connectors with plug-in units. "CP" plugs quickly and easily installed without screws or rivets by means of retainer rings. Use adapter plate below for replacement mounting. RMS voltage ratings: 86-CP4, 2000 v.; CP-11 and CP-12, 500 v.; all others, 1250 v. With mounting ring for 1 1/4" holes except others, 1 1/2". Have guide post and aligning key. *1 1/4" keyed hole. †Have guide post and aligning key. CP7L has large pins; CP7S has small. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Pins	EACH	Stock No.	Mfr's Type	Pins	EACH
40 H 015	86-CP4	4	.17	40 H 020	86-CP8†	Octal	.20
40 H 016	86-CP5	5	.18	40 H 021	86-CP9†		.21
40 H 017	86-CP6	6	.19	40 H 022	86-CP11†	11	.24
40 H 018	86-CP7L*	7	.22	42 H 654	86-CP12	12	.25
40 H 019	86-CP7S	7	.20				

Type 12-001-03 Adapter Plate. Nickel-plated steel. For use with all CP plugs above except 86-CP7L. 1 1/2" to 1 3/4" mtg. centers. 2 oz.

40 H 023 NET.

AMPHENOL MULTIWIRED CONNECTORS

Matching male and female connectors. Take cables up to 3/4". "F" in type number, female; "M", male. 78-PF8 is standard octal. Av. shpg. wt., 3 oz.



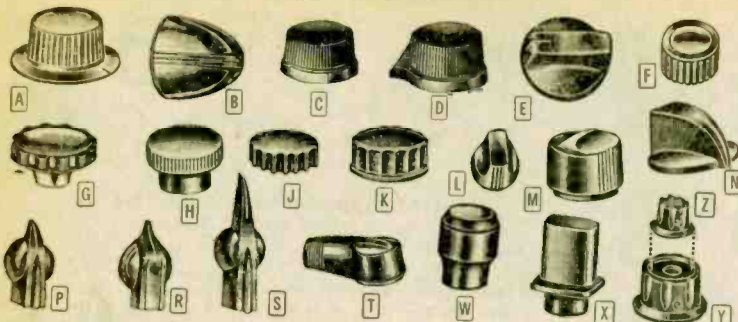
Stock	Mfr's Type	Con-tacts	NET EACH	Stock No.	Mfr's Type	Con-tacts	NET EACH
40 H 524	78-PF4	4	.32	40 H 505	86-PM5	5	.37
40 H 525	78-PF5	5	.33	40 H 506	86-PM6	6	.39
40 H 526	78-PF6	6	.35	40 H 507	86-PM7S	7S	.39
40 H 527	78-PF7S	7S	.35	40 H 508	86-PM8	8	.39
40 H 528	78-PF8	8	.34	40 H 512	86-PM9	9	.40
40 H 516	78-PF9	9	.37	40 H 513	86-PM11	11	.42
40 H 517	78-PM11	11	.39	42 H 655	86-PM12	12	.44
40 H 504	86-PM4	4	.36	42 H 656	86-PM20	20	.62

Amphenol Cable Clamp, Type 79-CC4. For use with above connectors. Relieves strain on soldered connections. Shpg. wt., 5 oz.

40 H 670. NET.

Knobs and Dials

HARRY DAVIES MOLDED KNOBS



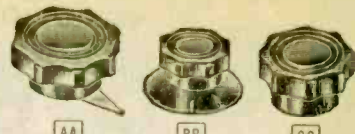
A wide selection of plastic knobs for replacement on majority of radios and TV sets. Figs. C and D are for small radios. *For knurled shafts; †screws onto 8-32 threaded shaft; ‡screws on 6-32 threaded shaft; §self-locking

friction fit for flat wire shafts; all others equipped with setscrews to permit use with either round or flattened 1/4" shafts. †Indicates types not manufactured by Harry Davies. **For dual concentric shafts. Av. shpg. wt.. 3 oz

Stock No.	Fig.	Size	Color	1-9, EA.	10-49, EA.
55 H 031	A	1 1/2"	Black	.14	.126
55 H 032	A	1 1/2"	Red	.15	.135
55 H 080	A	2 1/2"	Black	.11	.099
55 H 022	B	3/4"	Black	.11	.099
55 H 025	B	3/4"	Black	.13	.117
55 H 027	B*	3/4"	Walnut	.13	.117
55 H 028	B*	3/4"	Walnut	.06	.054
55 H 029	B*	3/4"	Ivory	.14	.126
55 H 043	C*	1 1/2"	Black	.05	.045
55 H 035	C*	1 1/2"	Black	.08	.072
55 H 036	C	1 1/2"	Walnut	.08	.072
55 H 023	C	1 1/2"	Black	.11	.099
55 H 040	D	1 1/2"	Black	.08	.072
55 H 042	D*	1 1/2"	Black	.05	.045
55 H 081	D	1 1/2"	Black	.14	.126
55 H 018	E	1 1/2"	Black	.12	.108
55 H 019	E	1 1/2"	Red	.13	.117
55 H 964	F*	1 1/2"	§ Walnut	.18	.162
55 H 024	G	1 1/2"	Black	.11	.099
55 H 050	G	1 1/2"	Black	.18	.162
55 H 082	H†	1 1/2"	Black	.07	.063
54 H 982	J	1 1/2"	§ Walnut	.15	.14

Stock No.	Fig.	Size	Color	1-9, EA.	10-49, EA.
54 H 980	K	1 1/2"	§ Walnut	.15	.14
54 H 981	K	1 1/2"	§ Ivory	.15	.14
55 H 067	L	1 1/2"	§ Black	.35	.315
55 H 083	M	1 1/2"	Black	.10	.090
55 H 084	N	1 1/2"	Black	.10	.090
55 H 072	P	1 1/2"	Black	.09	.081
55 H 073	P	1 1/2"	Red	.10	.09
55 H 078	P	1 1/2"	Black	.14	.126
55 H 074	R	1 1/2"	Black	.11	.099
55 H 070	S	2"	Black	.17	.153
55 H 071	S	2"	Red	.18	.162
55 H 079	S	2"	Black	.22	.198
55 H 006	T	1 1/2"	Black	.18	.162
55 H 089	T	2 1/2"	Black	.19	.171
55 H 056	Z	3/4"	Black	.12	.108
55 H 057	Y	1 1/2"	Black	.16	.144
55 H 058	Z	1 1/2"	Black	.16	.144
55 H 059	**Z&Y	1 1/2"	Red	.29	.261
55 H 980	†W	3/4", 1 1/2"	Red	.06	.054
55 H 981	†W	3/4", 1 1/2"	Red	.05	.045
55 H 983	†X	5/8", 1 1/2"	Black	.06	.054
55 H 982	†X	5/8", 1 1/2"	Red	.08	.072

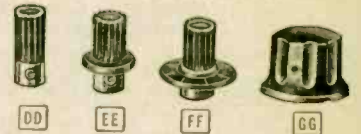
HARRY DAVIES FLUTED KNOB



An excellent selection of high-quality fluted knobs. Functionally designed—add custom appearance to amateur, experimental, and test equipment. Durable, high-gloss bakelite. Have metal inserts with setscrew to fit flattened or round 1/4" shafts. Shpg. wt.. 4 oz.

Stock No.	Fig.	Dia.	1-9, EA.	10-49, EA.
55 H 085	AA	1 1/2"	.36	.324
55 H 088	AA	1 1/2"	.37	.333
55 H 086	AA	1 1/2"	.39	.351
55 H 095	AA	2 1/2"	.23	.207
55 H 095	CC	1 1/2"	.23	.207
55 H 094	CC	1 1/2"	.24	.216
55 H 096	CC	1 1/2"	.27	.243
55 H 097	CC	2 1/2"	.40	.36
55 H 092	BB	1 1/2"	.44	.396
55 H 090	BB	2 1/2"	.54	.486

MILLEN MINIATURE KNOBS



Black plastic knobs with brass inserts for 1/8" diameter shafts. Developed primarily for use in miniaturized equipment. In certain devices where complete miniaturization is not a paramount, a combination of standard and miniature knobs may possibly be used to advantage. Type A018, A007 and A019 have screwdriver slot in top. Overall height: A006, 1/2"; A007, A018 and A019, 3/8". Av. shpg. wt., 4 oz.

No.	Type	Fig.	Size	NET
72 H 274	A019	DD	3/8" dial dia.	.36
72 H 273	A018	EE	3/8" dial dia.	.39
72 H 272	A007	FF	3/8" dial dia.	.42
72 H 271	A006	GG	3/8" dial dia.	.48

NATIONAL HR SERIES KNOBS



A matched line for industrial and consumer use. In a variety of styles and sizes. All knobs in this series share a family resemblance, giving job a unitized appearance.

Stock No.	Type	Fig.	Description	Wt.	NET
71 H 214	HRM	HH	Satin chrome finish, 5/8" dia.	2 oz.	.96
71 H 208	HR	JJ	Black; white dot, 5/8" dia.	2 oz.	.39
71 H 209	HR	JJ	Gray; same as above	2 oz.	.39
71 H 056	HRT	KK	Black; chrome insert, 2 1/4" dia.	3 oz.	1.04
71 H 234	HRT-M	KK	Same as above, but 1 1/2" dia.	2 oz.	.58
71 H 057	HRT	KK	Gray; chrome insert, 2 1/4" dia.	3 oz.	1.04
71 H 248	HRT-M	KK	Same as above, but 1 1/2" dia.	2 oz.	.58

NATIONAL CALIBRATED KNOBS



For any equipment. Types R, HRS-3, and HRS-5 are numbered 0-10 over arcs shown in scale column of table below. HRS-4 has single etched center line. All fit 1/4" shafts. HRS types of molded Tenite with chromed bevel dial; Type R of molded bakelite, flat aluminum dial. Wt.. 2 oz.

Stock No.	Type No.	Fig.	Color	Scale	Dia.	NET
71 H 058	HRS-3	LL	Black	0-10; 300°	1 1/2"	.66
71 H 059	HRS-3	LL	Gray	0-10; 300°	1 1/2"	.66
71 H 218	HRS-4	LL	Black	1-line	1 1/2"	.66
71 H 219	HRS-4	LL	Gray	1-line	1 1/2"	.66
72 H 691	HRS-5	LL	Black	0-10; 180°	1 1/2"	.66
72 H 692	HRS-5	LL	Gray	0-10; 180°	1 1/2"	.66
71 H 070	R	MM	Black	0-10; 180°	1 1/2"	.89

NATIONAL VERNIER DIALS



Blank dials with 5:1 drive. Hairline pointers; pinholes for calibration. Black wrinkle finish. With extra scales, hdwe., and hub for 1/4" shafts.

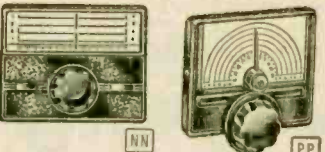
Type ACN. The famous original of this type with smart styling. Large-size vernier dial for easy direct calibration of 5 blank scales. Knob has bright chrome insert. 5" high, 7 1/4" wide. Shpg. wt., 1 1/4 lbs. **7.80**

Type SCN. Vernier dial same as above but intermediate in size. 4 1/4" high, 6 1/4" wide. Ideal for use where space is limited. Shpg. wt., 1 lb. **7.80**

Type ICN. Has large, easy-to-read, evenly illuminated vernier dial. 5 1/4" high, 7 1/4" wide. Lights in upper corners. With standard bayonet sockets and mounting screws. Less lamps. Shpg. wt., 1 1/4 lbs. **7.80**

Type MCN. Small size vernier dial. Similar to above but not illuminated. 2 1/4" high, 3 1/4" wide. Perfect for mobile gear and other small units. 3 blank scales. Mechanism extends 1/4" below frame. 10 oz. **7.20**

MILLEN MULTI-SCALE DIALS



PP Type 10039 Midget Panel Dial. Economy model. Excellent for small transmitters, receivers and measurement equipment. Drive ratio is 8 to 1. Totally self-contained mechanism eliminates back-of-panel scale. Black finish. Size, 4x3 1/4". Shpg. wt., 13 oz. **3.24**

NN Type 10035 Multi-Scale Dial. A deluxe illuminated slide-rule dial. Two built-in pilot lights provide even illumination. Has 12 to 1 drive with 4 blank scales for calibration and one 0-100 logging scale. Cardboard scale supplied can be used on both sides. Clear plastic dial window. Ample panel space for 2 small controls. 8 1/2"x6 1/2". Black finish. Shpg. wt., 2 1/2 lbs. **7.26**

PP Type 10039 Midget Panel Dial. Economy model. Excellent for small transmitters, receivers and measurement equipment. Drive ratio is 8 to 1. Totally self-contained mechanism eliminates back-of-panel scale. Black finish. Size, 4x3 1/4". Shpg. wt., 13 oz. **3.24**

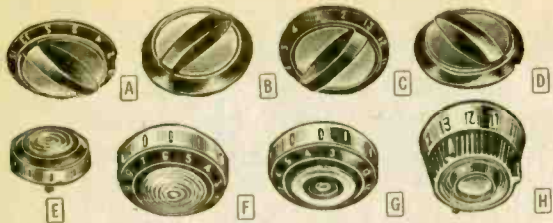
MILLEN INSTRUMENT KNOB



Type 10007. Handsome bar knob with 0-10 clockwise scale spread over 180° for easy, direct calibration. Lends professional appearance to test instruments, receivers, etc. Highly useful for engineers, amateurs, experimenters, etc. Black etched numerals; black plastic knob. Fits 1/4" shaft. Dia., 1 1/2". Shpg. wt., 3 oz. **7.5**

TV Knobs, Dial Plates and Dial Accessories

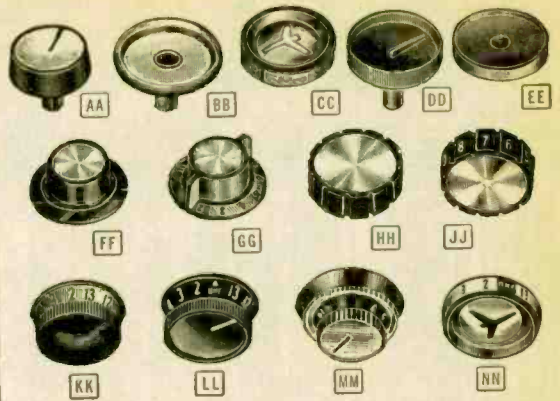
G-C EXACT REPLACEMENT TV KNOBS



ADMIRAL KNOBS

Av. shpg. wt., 3 oz.

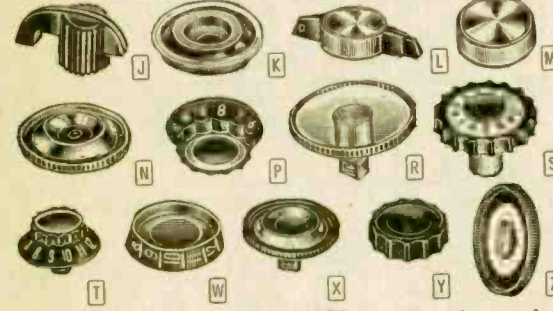
Stock No.	Fig.	Orig. Mfr's No.	Use	Color	NET
55 H 400	A	33C53-5	Channel Selector	Mahogany	.98
55 H 401	B	33C53-7	On-Off Volume	Mahogany	.73
55 H 402	C	33C53-9	Channel Selector	Mahogany & Gold	1.06
55 H 403	D	33C53-11	On-Off Volume	Mahogany & Gold	.81
55 H 405	E	33D107-3	On-Off Volume	Mahogany & Gold	1.51
55 H 406	F	33D107-13	Channel Selector	Mahogany & Gold	2.32
55 H 407	G	33D136-6	Channel Selector	Mahogany & Gold	2.32
55 H 410	H	33B165-13	Channel Selector	Mahogany & Gold	1.15
55 H 411	H	33D165-92	Channel Selector	Belge & Gold	1.55



G.E. KNOBS

Av. shpg. wt., 3 oz.

Stock No.	Fig.	Orig. Mfr's No.	Use	Color	NET
55 H 417	AA	G1001	Channel Selector	Black & Gold	.90
55 H 418	AA	G1002	Channel Selector	Black & Silver	.90
55 H 419	BB	G1003	Channel Selector	Silver	.90
55 H 420	CC	GWT43X246	Channel Selector	Green & Gold	1.23
55 H 421	DD	GWT43X269	Channel Selector	Clear & Gold	2.06
55 H 422	EE	WT43X40(RDK222)	Fine Tuning	Fawn	.56
55 H 423	FF	WT43X41(RDK223)	Off-On Volume	Fawn	.73
55 H 424	GG	WT43X42(RDK224)	Channel Selector	Fawn	.85
55 H 426	HH	WT43X53(RDK263)	Off-On Volume	Brown & Fawn	.98
55 H 427	JJ	WT43X54(RDK264)	Channel Selector	Brown & Fawn	1.47
55 H 428	KK	WT43X76(RDK331)	Channel Selector	Brown & Gold	1.88
55 H 430	MM	WT43X139(RDK434)	Channel Selector	Brown & Gold	2.06
55 H 431	NN	WT43X141(RDK438)	Channel Selector	Fawn & Gold	2.23
55 H 429	LL	WT43X152(RDK455)	Channel Selector	Brown	2.79
55 H 432	NN	WT43X159(RDK469)	Channel Selector	Brown	1.73



RCA KNOBS

Av. shpg. wt., 3 oz.

Stock No.	Fig.	Orig. Mfr's No.	Use	Color	NET
55 H 454	J	76770	Channel Selector	Dark Maroon & Gold	.74
55 H 455	K	77707	Fine Tuning	Brown w/ Polished Brass	1.54
55 H 456	L	77708	Channel Selector	Red w/ Polished Brass	1.47
55 H 457	M	77710	On-Off Volume	Black, Polished Brass	1.54
55 H 458	N	79464	Fine Tuning	Gold, Maroon	1.23
55 H 459	P	79466	Channel Selector	Amber, Gray, Maroon & Gold	1.73
55 H 460	S	100627	Channel Selector*	Maroon w/ Polished Brass	1.23
55 H 461	R	100629	Fine Tuning, UHF	Clear w/ Gold Edge	1.73
55 H 462	T	100637	Channel Selector	Brown	1.32
55 H 463	W	100944	Channel Selector	Dark Wine	1.32
55 H 464	X	101015	Fine Tuning	Gold & Maroon	1.23
55 H 465	Y	101150	Channel Selector	Dark Wine	.88
55 H 467	Z	101276	Fine Tuning	Gold & Maroon	1.23



MOTOROLA KNOBS

Av. shpg. wt., 3 oz.

Stock No.	Fig.	Orig. Mfr's No.	Use	Color	NET
55 H 433	PP	36C700886	Channel Selector	Mahogany & Gold	1.73
55 H 434	RR	36K700887	Contrast	Mahogany & Gold	1.06
55 H 435	SS	36C700888	Fine Tuning, Vol.	Mahogany & Gold	1.32
55 H 436	TT	36C700889	Channel Selector	Mahogany & Gold	1.73
55 H 437	WW	36K700890	Contrast	Mahogany & Gold	1.06

CRONAME SQUARE DIAL PLATES

Attractive anodized aluminum dial plates with black scales. Use with 1/4" bar knob. Gives custom-built look to hi-fi and P.A. amps, preamps, recorders, etc. Size, 2 1/2 x 2 1/2", with 1/2" center hole. Shpg. wt., 2 oz.



Stock No.	Type	Description
55 H 160	448	Treble, 0-10
55 H 161	447	Bass, 0-10
55 H 137	429	Treble, 5-0-5
55 H 136	428	Bass, 5-0-5
55 H 164	416	Microphone, 1, 0-10
55 H 165	417	Microphone, 2, 0-10
55 H 126	415	Microphone, 0-10
55 H 170	413	Master Gain, 0-10
55 H 124	412	Gain, 0-10
55 H 127	422	Gain, 5-0-5
55 H 123	411	Tone, 0-10
55 H 134	426	Volume, 0-10
55 H 125	414	Record, 0-10
55 H 135	427	Fader, 5-0-5
55 H 138	430	Expansion, 0-10
55 H 139	446	Phono, 0-10
55 H 131	423	Increase, with arrow
55 H 172	410	No title, 0-10

CRONAME DIAL PLATES

Easy-to-read etched aluminum scale with black background. 1 1/2" diameter. Type 25 has clockwise arrow labeled "Volume." Simple, one-hole mounting. Ideal for use on amplifiers, modulators, phonographs, transmitters, etc. Use with 1/4" bar knobs. 1 1/2" center-hole. Shpg. wt., 2 oz.



Stock No.	Type	Description	NET
55 H 141	25	Volume	.27
55 H 140	569	0-100, 180°	
55 H 108	905	0-100, 270°	

E. F. JOHNSON FLEXIBLE SHAFTS

Non-rusting phosphor-bronze flexible shafts with 3/4" hubs. Ideal for connecting out-of-line shafts together. Handy accessory for Amateurs, experimenters, labs, etc. Permit up to 90 degrees angular control. Shpg. wt., 2 oz.



73 H 290, 115-253. Length, 3". NET.....57
73 H 291, 115-254. Length, 6". NET.....83

PANEL BEARING ASSEMBLY

For use with couplings at right on panels up to 3/8" thick mounted away from control. Brass bearing has stub for knob with 1/4" shaft on other side. With 2 fiber washers. 3 oz.



60 H 385, Overall length, 3". NET.....32
60 H 386, Overall length, 6". NET.....38
60 H 390, Bearing only. NET.....09

WALSCO DIAL CORD SPOOLS

Cords with nylon sleeves over fiberglass or linen cores. Pre-stretched to prevent stretching and slipping; maintain proper tension. Av. wt., 4 oz.



Stock No.	Type	Dia.	Strgth.	Lgth.	EACH
60 H 490	652-Med.	.040"	35 lbs.	25 ft.	.73
60 H 491	656-Thin	.025"	15 lbs.	25 ft.	
60 H 492	654-Std.	.032"	20 lbs.	25 ft.	
43 H 197	652-Med.	.040"	35 lbs.	100 ft.	2.32
43 H 195	656-Thin	.025"	15 lbs.	100 ft.	
43 H 196	654-Std.	.032"	20 lbs.	100 ft.	



Coupling Shaft FITTINGS Extender

Couplings for extending shafts of volume controls, switches, capacitors, etc., or for ganging single units, even when shafts are not of the same diameter. Insulated types are made of black phenolic. Extenders for decreasing or increasing shaft diameter and for extending shaft length. 60 H 366 has 3/4" opening, 1/2" shaft. Shaft length on all extenders, 3/4"; overall length, 1 1/4". Av. shpg. wt., 4 oz.

Brass	Insulated	Type	Size
60 H 360	60 H 350	Coupling	1/4" to 3/8"
60 H 361	60 H 352	Coupling	1/4" to 3/8"
60 H 362	60 H 355	Extender	1/4" to 3/8"
60 H 366	60 H 355	Extender	1/4" to 3/8"

NET EACH.....18

NET EACH.....51

CRONAME "OFF-ON" SWITCH PLATE

Economy-priced "Off-On" switch plates. Etched aluminum with black background. Has polished aluminum letters and border. Size, 1 1/2 x 1 1/4". Shpg. wt., 2 oz.



60 H 338. NET EACH.....17

Depend on Allied for Complete Stocks, Lowest Prices, Friendly Service

ALLIED 383

Insulators, Coil Forms, Polystyrene Sheets and Rods

E. F. JOHNSON INSULATORS



Stand-Off Insulators. High-glaze porcelain, except fsteatite. Nickel-plated brass hardware. 135-65, 135-65-2, 135-68-2 are ribbed; others have drawn bases. †Banana jack and solder lug, as in Fig. B. 740 jack is standard .166" inner dia., and 760 is jumbo. 277* banana jack. *Like Fig. C, but square base and 4 mtg. holes. Av. wt., 1 lb.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Mtg. Ctrs.	Hardware	NET EACH
73 H 120	135-20-1	A	1 1/8"	3/4"	1 1/4"	1 1/2"	10-32	.26
73 H 121	135-20-2	B	1 3/8"	1"	1 1/2"	1 1/2"	740†	.26
73 H 122	135-22†	A	1"	1 1/8"	1 1/2"	1 3/8"	8-32	.20
73 H 123	135-22-2	B	1"	1 1/8"	1 1/2"	1 3/8"	740†	.26
73 H 139	135-24†	A	3/8"	3/8"	1 1/4"	1 1/2"	6-32	.16
73 H 125	135-60	*	4 1/2"	1 3/8"	2 1/4"	1 1/2"	1/4-20	1.20
73 H 126	135-62	*	2 1/2"	7/8"	1 1/4"	1 1/4"	1/4-20	.62
73 H 127	135-63	C	1 1/2"	1 1/8"	1 1/2"	1 1/2"	10-32	.31
73 H 128	135-65-2	C	1 1/2"	1 1/8"	1 1/2"	1 1/2"	740†	.39
73 H 129	135-66	D	2 1/4"	1 1/8"	1 1/2"	1 1/2"	1/4-20	.87
73 H 130	135-66-2	D	2 1/4"	1 1/8"	1 1/2"	1 1/2"	760†	.99
73 H 131	135-67	D	4 1/2"	1 1/2"	2 1/4"	1 1/2"	1/4-20	1.25
73 H 136	135-68	*	2"	1 1/8"	1 1/2"	1 1/2"	10-32	.54
73 H 137	135-68-2	*	2"	1 1/8"	1 1/2"	1 1/2"	740†	.60

Lead in Bushings. Ideal high-voltage terminals. 135-50, 135-51, 135-52, 135-55 are steatite, with nickel-plated brass rod and nuts; 135-53, 135-54 are porcelain, less hardware. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	NET EACH
73 H 160	135-50	H	1"	3/4"	3/4"	1 1/2"	.40
73 H 161	135-51	H	1 1/4"	1 1/8"	1 1/4"	1 1/2"	.57
73 H 162	135-52	H	2 1/4"	1 1/8"	1 1/2"	1 1/2"	.89
73 H 163	135-53	F	1 1/4"	1 1/8"	2 1/2"	1 1/2"	.35
73 H 164	135-54	E	4"	1"	3 1/2"	2 1/2"	1.10
73 H 165	135-55	G	1/2"	1/2"	1 1/2"	1 1/2"	1.01

JOHNSON ANTENNA INSULATORS

High-quality, strain-type insulators for use in antenna construction. Glazed porcelain surfaces resist moisture absorption and prevent RF leakage. Types 136-107 and 136-112 are wet-process, 1" diameter glazed porcelain; have 800 lbs. breaking strength. Type 104 dry-process glazed porcelain, 3/4" square; has 400 lbs. breaking strength. Types 107, 112, 800 lbs. breaking strength.

Stock No.	Mfr's Type	Size	Shpg. Wt.	NET EACH
73 H 215	136-104	4"x3/4" sq.	4 oz.	.28
73 H 216	136-107	7"x1" dia.	10 oz.	1.30
73 H 217	136-112	12"x1" dia.	1 1/4 lb.	1.85

POLYSTYRENE SHEETS, RODS AND TUBING



An excellent selection of high-grade polystyrene sheets, rods and tubing. Ideal for AC, DC and RF applications including VHF, UHF, and SHF. Rods and tubing are excellent material for making insulators or coil forms. Sheets may be used for shielding or dial and gauge glass.

All have extremely low-loss factor at ultra-high frequencies. Have high dielectric strength, excellent resistance and insulating properties. No moisture absorption. Always remain varying climatic conditions. Highly stable under moisture conditions. Always remain tapped. Sheets are transparent. All tubing has satin finish except* clear; all rods are frosted except † clear.

Stock No.	Size	Thick-ness	Shpg. Wt.	NET EACH
71 H 865	12x12"	1/8"	8 oz.	4.07
71 H 866	12x12"	3/8"	10 oz.	4.70
71 H 867	12x12"	1/2"	12 oz.	5.39
71 H 868	12x12"	3/4"	1 lb.	7.01
71 H 869	12x12"	1"	1 1/2 lbs.	7.99

Stock No.	Size	Thick-ness	Shpg. Wt.	NET EACH
71 H 870	12x24"	1/8"	1 lb.	7.64
71 H 871	12x24"	3/8"	1 1/2 lbs.	8.97
71 H 872	12x24"	1/2"	1 1/2 lbs.	10.39
71 H 873	12x24"	3/4"	2 lbs.	12.89
71 H 874	12x24"	1"	3 lbs.	15.34

Stock No.	O. D.	I. D.	Shpg. Wt.	NET EACH
71 H 875	3/4"	1/2"	2 oz.	.03
71 H 876	1"	3/4"	2 oz.	.07
71 H 877	1 1/4"	1"	5 oz.	.12
71 H 878	1 1/2"	1 1/4"	6 oz.	.18
71 H 879	1 3/4"	1 1/2"	6 oz.	.25

Stock No.	O. D.	I. D.	Shpg. Wt.	NET EACH
71 H 885	1/2"	1/4"	2 oz.	.10
71 H 886	3/4"	1/2"	2 oz.	.14
71 H 887	1"	3/4"	3 oz.	.18
71 H 888	1 1/4"	1"	3 oz.	.25

NATIONAL STANDOFF INSULATORS

Steatite insulators for RF circuits. Cap and base are nickel plated brass. Glazed to prevent the absorption of moisture. Base and terminal assembly are removable to form single-screw pillar mount. Three mounting holes, spaced 120° accept 6-32 machine screws. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Ht.	Dia.	NET EACH
71 H 125	GS-1	1 7/8"	1 1/2"	.69
71 H 126	GS-2	2 1/8"	1 1/2"	1.02
71 H 127	GS-3	2 1/8"	1 1/2"	1.26
71 H 224	GS-4	4 3/8"	1 1/2"	1.74

Ultra-Steatite Cone Insulators. (Fig. J). Non-ribbed. With hardware. Shpg. wt., 5 oz.

Stock No.	Type	Body Ht.	Min. Dia.	Max. Dia.	NET
73 H 150	135-500	3/4"	7/8"	5/8"	.23
73 H 151	135-501	1"	1 1/8"	1 1/8"	.31
73 H 152	135-502	1 1/4"	1 1/2"	1 1/2"	.77
73 H 153	135-503	2"	1 3/4"	1 3/4"	1.34
73 H 154	135-504	3"	2 1/4"	2 1/4"	1.34

Thru-Panel Type. Porcelain except fsteatite. *108-740 jack. 12 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	Hardware	NET EACH
73 H 225	135-40†	K	1 1/2"	1 1/8"	1 1/2"	7/8"	10-32	.42
73 H 226	135-40-2	L	1 1/2"	1 1/8"	1 1/2"	7/8"	10-32	.53
73 H 227	135-42†	K	1 1/2"	1 1/8"	1 1/2"	7/8"	10-32	.42
73 H 228	135-42-2	L	1 1/2"	1 1/8"	1 1/2"	7/8"	10-32	.50
73 H 229	135-44†	K	1 3/8"	3/8"	5/8"	1/2"	6-32	.31
73 H 230	135-45	M	2 1/8"	5/8"	1 1/4"	1/2"	10-32	.59
73 H 231	135-45-2	N	2 1/8"	5/8"	1 1/4"	1/2"	10-32	.69
73 H 233	135-46	K	3 3/4"	1 1/2"	2 1/4"	1 1/2"	1/4-20	1.50
73 H 235	135-47	K	6"	1 1/8"	2 1/4"	1 1/2"	1/4-20	2.75
73 H 223	135-48	M	2 1/8"	3/4"	1 1/4"	1 1/4"	10-32	.95
73 H 224	135-48-2	N	2 1/8"	3/4"	1 1/4"	1 1/4"	10-32	1.05

FEEDER SPREADERS

Feeder spreaders for constructing high efficiency, open-wire antenna feeders and transmission lines. Silicone impregnated, moisture-proof porcelain. 1/2"x1/2". Av. shpg. wt., 3 oz.

Stock No.	Type	Length	NET EACH
73 H 111	136-122	2"	.17
73 H 112	136-124	4"	.28
73 H 113	136-126	6"	.40

ANTENNA INSULATORS

P 51 H 223. Glazed porcelain insulator. Has ribbed construction to provide long leakage path. 2 1/2" long. Shpg. wt., 2 oz. 4 per pkg. PER PKG. .21

R 51 H 224. White porcelain strain insulator. 1 1/4"x1/4" dia. Breaks up guy lines into non-resonant lengths. 2 oz. 4 per pkg. PER PKG. .29

S 51 H 225. Standard nail knob for single leads or 1" open lines. 1 1/4"x1/4" dia. Shpg. wt. 4 oz. 4 per pkg. PER PKG. .19

POLYSTYRENE COIL FORMS

A wide selection of coil forms for winding RF coil of all types. Feature low loss, high dielectric polystyrene construction—produce coils of exceptional stability. Excellent for plug-type regenerative shortwave receiver coils; plate, grid or tanks coils in VFO's or low-power transmitters; grid-dip meter coils; VHF equipment, etc. The 4, 5, and 6 prong standard forms fit standard tube sockets; 5 and 6 prong miniature coil forms fit Amphenol Type 78-S5S and 78-S6S miniature sockets (listed under "Retainer Ring Sockets" in the Amphenol pages of this catalog). Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	Size	NET EA.
71 H 723	24-5H	5-Prong Min.	1 3/8"x1 1/4"	.28
71 H 711	24-6H	6-Prong Min.	1 3/8"x1 1/4"	.33
71 H 713	24-4P	4-Prong Std.	2 1/4"x1 1/4"	.37
71 H 714	24-5P	5-Prong Std.	2 1/4"x1 1/4"	.47
71 H 724	24-6P	6-Prong Std.	2 1/4"x1 1/4"	.40

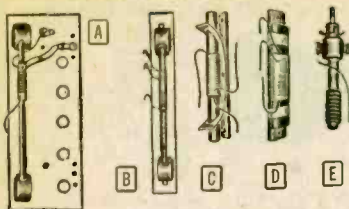
MILLEN MOLDED COIL FORMS

Type 45004. Molded-mica, phenolic base type coil forms. Four-prong type. For shortwave receivers and low-power transmitters. Size: 1" diameter; 1 1/2" winding length; 2 3/8" overall. Shpg. wt., 2 oz. 72 H 124. NET. .51

Type 45005. Same as 45004, but has 5 prongs. Shpg. wt., 2 oz. 72 H 125. NET. .51

Type 45006. Same as Type 45005 above, but without prongs. Designed for screw mounting. Shpg. wt., 2 oz. 72 H 128. NET. .39

J. W. MILLER LOOP ANTENNAS



FERRITE ROD ANTENNA

A Type 705A. For universal replacement use. Uses highly efficient design; improves reception of distant stations. Extremely easy to adjust—simply slide coil along ferrite rod to peak antenna. Non-directional. Replaces any loop antenna. $3\frac{1}{2} \times 9\frac{1}{2}$ ". Shpg. wt., 5 oz.
60 H 893.....NET 1.94

TRANSISTOR LOOP ANTENNA

B Type 2000. Has fixed inductance loop; picks up adequate signal to the first stage. Inductor is tapped to match the 600 ohm input impedance of the transistor. Frequency range is 540-1650 kc when used with a 365 mmf variable capacitor. $1\frac{1}{4} \times 9\frac{1}{2}$ ". Shpg. wt., 3 oz.
60 H 894.....NET 1.91

TRANSISTOR ANTENNA RODS

C Type 2001. Matches 600 ohm input impedance. Inductance, 240 μ h. Tunes with 365 mmf. $\frac{1}{4} \times 3\frac{3}{4}$ ". Shpg. wt., 4 oz.
60 H 976.....NET 1.76

STRIP TRANSISTOR ANTENNA RODS

D Type 2604. Matches 600 ohm input impedance. Inductance, 240 μ h. Tunes with 365 mmf. $\frac{1}{4} \times 3\frac{3}{4}$ ". Shpg. wt., 4 oz.
60 H 978.....NET 1.76

Type 2005. As above, but 700 microhenries. Use with 125 mmf capacitor.
60 H 979.....NET 1.76

SUB-MINIATURE ANTENNA ROD

E Type 2002. Adjustable from 35-300 μ h. Hi-Q coil tunes with 500 mmf. Mounts in $\frac{1}{8}$ " hole, or bracket supplied. Matches 600 ohm input. Size, $\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt., 3 oz.
60 H 980.....NET 1.09

NATIONAL FRONT-PANEL

RIGHT-ANGLE DRIVE

Type RAD. Front panel control for variable capacitors, potentiometers, etc., at right angles to panel.



Saves space by permitting greater freedom in parts layout. May be used to drive two units. Die-cast aluminum housing and gears. $2\frac{1}{2} \times \frac{1}{4}$ " shaft. 6 oz.
71 H 014.....NET 4.31

Type P-RAD. As above, but deluxe precision model with brass gears, stainless steel shafts and bushings, bronze bearings and a die-cast zinc housing. Gears are protected by removable cover. Backlash less than 1 1/2%. 3 oz.
71 H 247.....NET 17.25

HAMMARLUND COUPLINGS

Type FC-46S. Sturdy, slip-proof insulated coupling. Excellent for providing flexible linkage between angularly misaligned shafts. Maximum torque is limited only by holding power of the 4 set screws (2 on each side). For use on all standard $\frac{1}{2}$ "-diameter shafts. Shaft clearance, $\frac{1}{32}$ ". Flash voltage, 5000 v. Size, $1\frac{1}{2} \times \frac{3}{16}$ ". Shpg. wt., 3 oz.
72 H 496.....NET 1.10



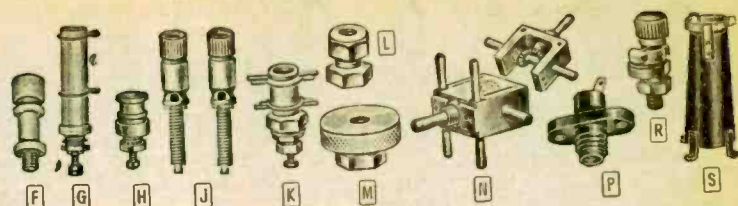
Type FNC-46S. As above, but non-insulated type. Durable, best quality construction. Maintains firm, slip-proof grip. Has flexible arms which compensate for shaft misalignment. Nickel-plated brass ring. $1\frac{1}{4}$ " diameter x $2\frac{1}{2}$ ". Shpg. wt., 3 oz.
72 H 497.....NET .93

INSULATED COUPLING

For coupling drive shafts to capacitors, gane switches, controls and other components. Bakelite insulation. Hubs drilled to fit $\frac{1}{4}$ " shafts; set-screws hold rigidly. Shpg. wt., 2 oz.
60 H 395.....NET .53



MILLEN PRECISION COMPONENTS



A selection of most widely used Millen "Designed for Application" components—famous for their outstanding quality among industrial, Amateur, and experimental users. Excellent for original-equipment applications, as well as for replacement purposes in existing units. All are made to exacting specifications to provide maximum dependability. Included in this listing are Series 69000 slug-tuned ceramic coil forms

—copper slug reduces inductance when it moves into coil; iron slug increases inductance. Form dimensions indicate diameters and winding lengths. Series 80000 cathode-ray bezels have satin-black finish, neoprene cushions (except 80072, felt cushion), and green lucite filters. Refer to Manufacturers Index for page numbers of RF chokes and many other Millen products in this Catalog. *Items not illustrated.

Stock No.	Mfr's Type	Flg.	Description	Wt., Oz.	NET EACH
72 H 085	10012	N	Right Angle Drive	5	5.00
72 H 087	10050	R	Dial Lock	4	.54
72 H 099	10061	L	Shaft Lock, for $\frac{1}{4}$ " Bushing; $\frac{1}{4}$ " shafts	4	.45
72 H 088	A061	L	Shaft Lock, for $\frac{1}{4}$ " Bushing; $\frac{1}{4}$ " shafts	4	.54
72 H 088	10062	M	Shaft Lock with Knurled Nut	4	.54
72 H 036	37001	P	High Voltage Terminal and Thru-Bushing, Black	3	.45
72 H 037	37001	P	High Voltage Terminal and Thru-Bushing, Red	3	.48
72 H 260	40305	*	5-Prong Steatite Coil Plug	3	.69
72 H 261	41305	*	5-Prong Steatite Jack Bar, as above	3	.84
72 H 057	37202	*	Bakelite Plates (2) for 37222 below, Black	2	.36
72 H 059	37222	J	Blinding Post	6	.30
72 H 130	69041	H	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Copper Slug	3	.96
72 H 131	69043	F	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Iron Slug	3	.84
72 H 084	69045	H	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Copper Slug	3	1.05
72 H 132	69046	G	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Iron Slug	3	1.05
72 H 133	69048	*	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Iron Slug	3	1.05
72 H 672	69056	*	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Copper Slug	3	.87
72 H 673	69057	K	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Copper Slug	3	.87
72 H 674	69058	K	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Iron Slug	3	.90
72 H 675	69061	K	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Copper Slug	3	.90
72 H 676	69062	K	Ceramic Slug-tuned Coil Form, $\frac{1}{2} \times \frac{1}{2}$ ", Iron Slug	10	1.40
72 H 168	74400	*	Octal Base and Shield, $1\frac{1}{4} \times 1\frac{1}{4} \times 3\frac{1}{4}$ "	10	4.30
72 H 150	80042	S	Nicoloi Shield for use with either 2AP1 or 2BP1 2" CR Tubes	10	6.90
72 H 151	80043	S	Nicoloi Shield for use with either 3AP1, 3BP1 or 3DP1 3" CR Tubes	12	9.70
72 H 151	80055	*	Nicoloi Shield for 5CR Tubes	10	18.90
72 H 153	80072	*	Bezel, Cushion and Filter for 2" CR Tube	4	4.80
72 H 154	80073	*	Bezel, Cushion and Filter for 3" CR Tube	4	4.35
72 H 155	80075	*	Bezel, Cushion and Filter for 5" CR Tube	7	8.40

MINIATURIZED COUPLINGS

For limited space use. Type M003 nickel-plated is brass. Type M006 (illustrated) is universal joint style made of nickel-plated brass with steatite ceramic insulation and spring fingers. Type M008 is a plastic insulated coupling with nickel-plated brass inserts. Type 39003 is solid brass for $\frac{1}{4}$ " shafts; all others are for $\frac{1}{8}$ " shafts. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Description	NET EACH
72 H 172	M003	Solid brass coupling	.33
72 H 170	M006	Univ. joint coupling	.75
72 H 171	M008	Insulated coupling	.51
72 H 090	39003	Solid brass coupling	.24

33087 TUBE BASE CLAMPS

Sturdily made, polished spring steel tube base clamps. Hold tubes in sockets and protect against damage from sudden jarring and shock. Excellent for use in mobile equipment and for reducing vibration of oscillator tubes in test equipment, etc. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Diameter	NET EACH
72 H 178	33087A	1.125"	.36
72 H 179	33087B	1.165"	
72 H 180	33087C	1.250"	
72 H 181	33087D	1.275"	
72 H 182	33087E	1.375"	

FLEXIBLE COUPLINGS

Popular 39000 series flexible couplings. Designed to provide higher flexibility, no backlash, high breakdown voltages, small diameter and accurate alignment. In addition to improved versions of conventional types, units include original design. Type 39001 with insulated universal joint 36006 "slide-action" coupling for out-of-line or eccentric shaft motion. Type 39005 (high torque) similar to 39001 but not insulated. Type 39016 (illus.) molded as single unit for high resistance to mechanical shock; has solid insulating barrier diaphragm. All are for $\frac{1}{2}$ " shafts except * for $\frac{3}{8}$ " shaft. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Description	NET EACH
72 H 034	39001	Universal joint	.48
72 H 176	39002	Fixed joint	.48
72 H 054	39005	Universal joint	.48
72 H 094	39006	Slide action	.48
72 H 175	39016	Barrier	.48
72 H 666	39017	*Miniature of 39016	.63

DRIVE MECHANISM

Type 10000 Worm Drive. A ruggedly constructed drive mechanism offering a 16-to-1 step-down ratio. Cast-aluminum frame drilled for secure mounting on panel or chassis base. Spring-loaded split gears for smooth operation and minimum backlash. $\frac{1}{2}$ " left and right-hand shafts. Size, $3 \times 2 \times \frac{3}{4}$ ". Shpg. wt., 6 oz.
72 H 173.....NET 9.75



Variable Capacitors and Accessories

TRIMMERS AND PADDERS



Mica trimmer and padder capacitors. Treated for resistance to humidity and permanence of capacity settings. Low-loss ceramic base. Clear India mica. Rigid plates permit bending soldering lug without affecting capacity. Ranges indicated in tables below, are from 3 turns open to tight setting. Av. shgp. wt., 2 oz.

STANDARD SIZE, 3/4" x 5/8"

Stock No.	Min. Mmf	Max. Mmf	NET EACH
60 L 347	1.5	15	.13
60 L 340	2.7	30	.13
60 L 341	5.0	80	.13
60 L 342	7.0	180	.15
60 L 343	25	280	.17
60 L 344	50	380	.20
60 L 345	80	480	.22
60 L 346	110	580	.25
60 L 348	140	680	.27
60 L 349	170	780	.30

MIDGET SIZE, 3/8" x 3/4"

Stock No.	Min. Mmf	Max. Mmf	NET EACH
17 L 077	2	12	.13
17 L 078	4	25	.13
17 L 079	7	40	.13
17 L 080	7	100	.15
17 L 081	16	150	.17
17 L 082	24	200	.20
17 L 083	37	250	.22
17 L 084	55	300	.25
17 L 085	70	350	.27
17 L 086	90	400	.30

MINIATURE SIZE, 3/8" x 1/2"

Stock No.	Min. Mmf	Max. Mmf	NET EACH
17 L 087	0.9	7	.14
17 L 088	1.5	20	.14
17 L 089	4	40	.16
17 L 090	7	60	.19

MILLEN CAPACITORS



Series 20000 Ultra-Midgets. Top-quality, Seattle-insulated variables. For use in applications requiring miniaturized components. All are single-bearing type with .015" air gap (rated 600 volts peak), except .045" air gap (1400 volts peak) 1/2" shafts, 1" long, 3/16"-32 thread bushing. Shgp. wt., 5 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	Overall Length	NET EACH
72 L 030	20015	20	2.8	1 1/2"	1.77
72 L 044	20025	28.5	3.0	2 1/4"	1.86
72 L 032	20050	56	3.5	2 1/2"	2.04
72 L 033	20100	111	5.2	2 3/4"	2.38
72 L 045	21935*	39.5	6.7	3 1/2"	4.08

NEW MINIATURE 2-GANG VARIABLE CAPACITOR



Ideal variable tuning capacitor for miniature circuitry and use as exact-duplicate replacement in current transistor receivers. Rotates through a full 180°—maximum capacity: antenna section, 148.2 mmf; oscillator section, 65.2 mmf. Trimmer capacity: variable to over 6 mmf. Trimmer adjustment on top of case. Completely enclosed in clear polyethylene plastic case to protect plates. Size only 1/4" x 1/4". Shgp. wt., 4 oz.

NET 1.59

NEW VARIABLE TUNING CAPACITOR WITH DIAL



Miniature single-gang capacitor for use in TRF broadcast band and experimental receivers—ideal for transistor circuits. Capacity variable from 10 to 365 mmf. Has 1 1/4" diameter, clear plastic tuning dial with milled edges. Calibrations in silver numerals, read from 530 to 1600 KC. Rotates through 180°. Size, only 1" square, and 1/2" deep; shaft size, 1/4". Shgp. wt., 5 oz.

17 L 091.....NET .69

RECEIVER-TYPE CAPACITORS

MIDGET SUPERHET AND TRF TYPES



Midget Superhet. Miniature size without sacrifice of performance makes these 2-gang variables perfect for portable and midget sets. Capacity: RF section, 14.5 to 368 mmf, 27 plates; osc. section, 11.6 to 136.6 mmf, 15 plates. Capacity increases with counter-clockwise rotation. For use with 455 kc IF. With trimmers. Size, 1 1/4" x 1 1/4". 1/4" diameter shaft extends 1" beyond frame. Ball-bearing mounted shaft. Shgp. wt., 6 oz.

NET 1.05

Miniature Superhet. RF section is 10.8 mmf to 232.4 mmf. Oscillator section is 8.5 mmf to 106.3 mmf. 1 1/4" x 1 1/4". 5 oz.

NET .95



Midget TRF. Compact, 33-plate, single-gang capacitor. Variable from 15 to 409 mmf. Capacity increases clockwise. Size: 1 1/4" deep, 1 1/4" wide, 1 1/4" high. 1/4" diameter shaft extends 3/4" beyond capacitor frame. Shgp. wt., 5 oz.

61 L 009.....NET .76

TRANSISTOR CAPACITORS



Midget Superhet. Compact, variable, two-section capacitor designed for use with broadcast band transistor receivers. Ideal for small table models and portables. Counter-clockwise rotation for capacity increase. Each section includes a trimmer for precise adjustment. Oscillator section designed for 455-kc IF. Oscillator capacity: 7.2 to 66 mmf. Antenna section capacity: 7.5 to 81 mmf. Shaft diameter 1/4". Size: 1 1/4" x 1 1/4" x 1/4". Wt., 4 oz.

NET 1.00



Miniature Superhet. Two section, variable capacitor designed particularly for the special needs of miniature transistor receivers. Although small in size, accuracy and precision are not sacrificed. Complete with trimmers. 1/4" shaft has ball-bearing mount. Capacity ranges: Oscillator section, 6.1 to 73.4 mmf; RF section, 7.0 to 123.1 mmf. Size: 1 1/4" x 1 1/4" x 1/4". Shgp. wt., 2 oz.

61 L 013.....NET 1.04

CARDWELL CAPACITORS



VHF BUTTERFLY CAPACITORS

90° capacitors with butterfly rotor plates. Electrical symmetry; low inductance; no moving contacts. Insulative insulation. Removable plates. Air gap, .030". Shgp. wt., 10 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
75 L 001	PL-6076	5	1.5	2.07
75 L 002	PL-6077	7	2.0	2.49
75 L 003	PL-6078	13	3.0	2.64

"TRIM-AIR" MIDGETS

Universal mounting. Insulative insulation. Shaft has rear extension for ganging; except *†Air gap, .02"; others .03". Shgp. wt., 7 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
75 L 010	PL-6000	10	1.2	1.57
75 L 011	PL-6001	15	1.5	1.65
75 L 012	PL-6002	25	2.0	1.85
75 L 013	PL-6003	35	2.5	2.03
75 L 014	PL-6004	50	2.8	2.18
75 L 015	PL-6016*	75	2.7	2.14
75 L 016	PL-6017*	100	3.0	2.48
75 L 017	PL-6018*	140	5.0	3.45

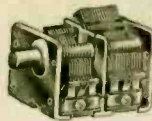
BUD MIDGET TRIMMERS



Type MT-833. For antenna coupling, interstage coupling and receiver tracking applications. Has screw adjustment. Max. cap. 36 mmf; min. cap. 3 mmf. Shgp. wt., 4 oz.

60 L 335.....NET .15

SUPERHET CAPACITOR AND MATCHING COILS



Two-Section Superhet. Variable, 19-plate oscillator section with 172.6 max.—10.6 min. mmf; has one 2-17 mmf trimmer. 27-plate RF section with 434 max.—14.5 min. mmf; has one 2-17 mmf trimmer. Provides 455 kc difference with coil and counter-clockwise. 1 1/4" x 1 1/4" x 2 1/4". Shaft, 1/4" diameter. 3/4" long. Shgp. wt., 10 oz.

NET 1.06

Oscillator Coil for Above. Shgp. wt., 4 oz. 55 L 507.....NET .36

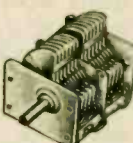
Loop Antenna for Above. Shgp. wt., 8 oz. 51 C 040.....NET .53

TRF CAPACITORS



2-Gang. For use in superhets without RF stage or in 2-stage TRF receivers. Each section has 29 plates. Range of 15.5 to 467.3 mmf, each section. Counter-clockwise rotation increases capacity. With trimmers for each section. End plates slotted for easy tracking adjustments. Spring brass wipers. Require series resistor for oscillator use. *†. 1/4" dia. shaft. Use extender 60 L 366 (listed on page 383), to convert to 1/2" shaft. See coil and I. F. transformer section for coils. Size: 1 1/4" x 1 1/4" x 2 1/4". Shgp. wt., 10 oz.

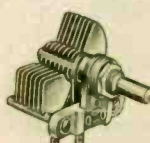
NET 1.11



2- and 3-Gang Compact TRF variable capacitors. Have trimmers on side of frame. Outer rotor plates are slotted for tracking adjustment. Tapped holes in frame provide secure mounting. Range: 12 to 367 mmf. Shaft diameter, 1/4". Size of 2-gang, 2 1/4" x 1 1/4" x 1 1/4". Size of 3-gang, 3 1/4" x 1 1/4" x 1 1/4". Av. shgp. wt., 6 oz.

60 L 725, 2-gang.....NET 1.08
60 L 726, 3-gang.....NET 1.66

BUD CAPACITORS



"MC" MIDGETS

Sturdy, highly efficient midget variables. Single and double-bearing types; double. Fit 3/8" dia. mounting hole. Cadmium-plated brass rotor and stator plate. Steatite insulation. .024" air-gap. Shgp. wt., 7 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
61 L 142	1850*	15	3	3	1.78
61 L 143	1852*	33	4	5	1.84
61 L 144	1854*	50	5	7	2.43
61 L 145	1855*	100	7	14	2.65
61 L 146	1856*	140	7	19	2.72
61 L 147	1858*	190	10	27	2.94
61 L 148	1859*	235	10	33	3.38
61 L 149	1860*	300	12	43	3.67
61 L 150	1870	15	3	3	1.76
61 L 151	1872	33	4	5	1.84
61 L 152	1873	50	5	7	1.91
61 L 154	1875	100	7	14	2.06
61 L 155	1876	140	8	19	2.35

TINY MITE 2 & 3-GANG CAPACITORS

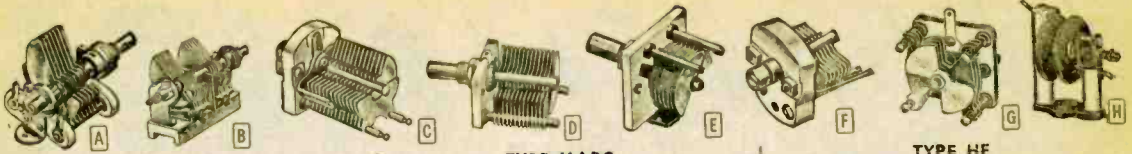


Compact, 3-gang capacitor designed for high frequency use. Ideal for converters, preselectors and receivers covering Amateur, TV and FM bands. Soldered brass plates and ceramic brackets 1/4" long. Rotor shafts extend 1/4" at rear. *†LC-1660 is 2-gang. Metal parts cadmium plated. Av. shgp. wt., 1/4 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	Plates/Section	NET EACH
61 L 159	*†LC-1660	15	3	5	3.23
61 L 156	LC-1845	11	3	5	1.74
61 L 157	LC-1846	17	5	5	2.13
61 L 158	LC-1847	25	6	9	6.11

Hammarlund and E. F. Johnson Variable Capacitors

HAMMARLUND CAPACITORS



TYPE MC

A Versatile single section tuning capacitors. Have siliconized steatite base, nickel-plated brass plates. Panel or chassis mtg. *Straight-line capacity characteristic; others have mid-line characteristic. Nominal air gap: Single-line spaced M and S types, .0245"; wide-spaced SX types, .0715". Tested at 1000 v. and 1750 v. (60 cycle rms) respectively. Capacity increases with clockwise rotation. Continuous rotation. Size: S type, 1 1/4 x 1 1/4"; M type, 1 1/2 x 2 1/2". Shpg. wt., 10 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 425	*MC-20-S	20	5.5	2.27
72 L 426	*MC-35-S	35	6.0	2.31
72 L 427	*MC-50-S	50	6.5	2.48
72 L 428	MC-50-M	50	6.3	2.46
72 L 429	*MC-75-S	80	8.0	2.55
72 L 430	MC-75-M	80	7.3	2.57
72 L 431	*MC-100-S	100	8.3	2.69
72 L 432	MC-100-M	100	7.7	2.72
72 L 433	MC-140-M	140	9.0	2.88
72 L 434	*MC-140-S	140	10.0	2.85
72 L 435	MC-200-M	200	10.3	3.27
72 L 436	MC-250-M	250	12.0	3.41
72 L 437	MC-325-M	320	13.5	3.90

DOUBLE-SPACED MC'S

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 451	*MC-20-SX	20	6.8	2.63
72 L 452	*MC-35-SX	32	8.5	2.79
72 L 454	*MC-50-SX	53	11.5	3.05
72 L 456	*MC-100-SX	100	16.5	3.87

TYPE MCD DUALS

B Designed for single hole panel-mounting. Require only 3/16" in length behind panel. Steatite base; nickel-plated brass plates. Tested at 1000 v. Exhibit same features as Type MC, above; have terminals on both sides. Have mid-line characteristic. Size opened, 3/4 x 2 3/8". Shpg. wt., 11 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 465	MCD-50-M	50	5.5	7.25
72 L 466	MCD-100-M	100	6.3	7.74
72 L 468	MCD-140-M	140	7.8	8.16

TYPE MAPC

C Midget padding, trimming and general-purpose capacitors. Similar to APC, but smaller. Ideal for small space applications. Gap, .0135". Rotors and stators are nickel-plated brass. Nickel-plated beryllium copper wiper contact. Tapped (4-40 thread) brass studs in steatite base permit mounting without grounding rotor. Tested at 600 volts rms, 60 cps. Overall size: 2 3/8" wide, 3/8" high. Air gap adjustable with screwdriver or hex wrench. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 208	MAPC-15	15	2.3	1.01
72 L 209	MAPC-25	25	2.6	1.10
72 L 210	MAPC-35	35	2.9	1.10
72 L 211	MAPC-50	50	3.2	1.19
72 L 212	MAPC-75	75	3.9	1.28
72 L 213	MAPC-100	100	4.5	1.44

TYPE HFA

D Sturdy capacitors, similar to HF, but larger plates and wider air gap. For general-purpose and transmitting applications. Single-hole panel mounting. Also bracket for base mounting. End letter A in type no. denotes .02" air gap. B—.03"; 800 and 1200 test volts respectively. 1 1/4 x 1 1/2". Shpg. wt., 1 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 224	HFA-10B	6	2.3	1.62
72 L 225	HFA-15B	19	2.8	1.71
72 L 226	HFA-25B	25	3.0	1.74
72 L 227	HFA-50B	50	4.3	1.92
72 L 228	HFA-100B	100	7.5	3.05
72 L 222	HFA-100A	102	4.5	2.13
72 L 223	HFA-140A	145	6.0	2.39

TYPE MAC

(Not illustrated.) Extremely small variable capacitors. Excellent for use as VHF trimmers. Steatite base; only 1/4 x 3/8". Screwdriver adjustment. Have threaded sleeve for convenient panel mounting. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 255	MAC-5	5.4	1.3	1.00
72 L 256	MAC-10	9.6	1.5	1.05
72 L 257	MAC-15	15.8	1.9	1.20
72 L 258	MAC-20	21.5	2.2	1.35

TYPE HF

E Ideal for critical high-frequency circuits. Insulante insulation. *Double-spaced units. HF: 1 1/2 x 1 1/4"; HFD: 1 1/2 x 1". Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 215	HF-15	17.5	2.8	1.12
72 L 216	HF-35	36	3.2	1.25
72 L 217	HF-50	52	3.7	1.31
72 L 218	HF-100	102	5.3	1.49
72 L 219	HF-140	142	6.3	1.74
72 L 220	*HF-15-X	15	3.6	1.29
72 L 221	*HF-30-X	30	5.2	1.43

HFD SPLIT-STATOR

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 076	HFD-25	25	2.9	4.37
72 L 230	HFD-50	52	3.6	4.55
72 L 231	HFD-100	102	5.0	4.98
72 L 232	HFD-140	142	6.0	5.15
72 L 233	*HFD-15-X	16	3.8	4.55
72 L 234	*HFD-30-X	28.5	5.0	4.65

TYPE APC

F Insulante base. Screwdriver or hex-wrench adjust. 1 1/2 x 1 1/2". Wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	NET EACH
72 L 250	APC-25	25	3.0	1.35
72 L 251	APC-50	50	3.9	1.55
72 L 252	APC-75	75	4.6	1.70
72 L 253	APC-100	100	5.5	1.85
72 L 254	APC-140	140	6.7	2.15

BFC BUTTERFLY TYPES

G Straight-line capacity type; 90° minimum to maximum. Spacing .03" between rotor and each stator. Tapped (6-32 thread) studs in steatite base permit mounting capacitor without grounding rotor. Silver contact. 1 1/4 x 1 1/4". Wt. 1 lb.

Stock No.	Type	Max. Mmf	Min. Mmf	NET EACH
72 L 262	BFC-12	14.5	3.4	1.95
72 L 263	BFC-25	27.3	4.8	2.25
72 L 264	BFC-38	40.1	6.2	2.60

NEUTRALIZING CAPACITOR

H Type NZ-10. Rated, 3000 v. AC peak. Fine adjustment. Capacity, 2.3-10 mmf. 2 1/4 x 1 1/4 x 2 1/4". Shpg. wt., 1 lb. NET 4.77

72 L 249.....

E. F. JOHNSON CAPACITORS



TYPE "M" MINIATURE VARIABLES

Excellent for design of compact VHF and UHF equipment. Bridge-type stator terminal provides low inductance; oversize bearing, heavily anchored stator supports insure rigidity. 3/4 x 3/4" panel mtg. space, 1/4" hole. Slotted shaft takes 1/8" knob, 1250 volts approximate peak break-down. Low-loss steatite insulation. Nickel-plated. Av. shpg. wt., 2 oz.

J SINGLE					
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 175	160-102	5.0	1.5	5	.90
75 L 176	160-104	8.7	1.8	9	.95
75 L 177	160-107	14.2	2.3	15	1.00
75 L 178	160-110	19.6	2.7	21	1.10
75 L 900	160-130	32	3	28	1.20

K BUTTERFLY					
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 179	160-203	3.1	1.5	5	1.20
75 L 180	160-205	5.1	1.8	9	1.30
75 L 181	160-208	8.0	2.2	16	1.45
75 L 182	160-211	10.8	2.7	22	1.60

L DIFFERENTIAL					
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 901	160-303	5.0	1.5	5	1.25
75 L 902	160-305	8.7	1.8	9	1.45
75 L 903	160-308	14.2	2.3	15	1.65
75 L 904	160-311	19.6	2.7	21	1.85

TYPE "R" VARIABLES

M For transmitting and receiving. Feature extra heavy steatite stator support insulators. Corrosion resistant, nickel-plated parts. Double bearing construction. Plate spacing .024". 1 1/4" high and 1 3/8" wide. Bearing threaded 1/8"-32 for panel mounting. Shaft diameter, 3/8". Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 053	149-1	20	5	3	2.35
75 L 054	149-2	35	6	5	2.45
75 L 055	149-3	50	6.5	7	2.55
75 L 056	149-4	80	8	11	2.70
75 L 057	149-5	102	8.5	14	2.80
75 L 058	149-6	140	13.5	19	3.00

TYPE "S" VARIABLES

N Ideal for use in VFO's, receivers, and transmitter tuning circuits. Steatite end frame, nickel-plated brass plates. Plate spacing, .013". 2-mtg. studs tapped 4-40 on 1/2" centers. 1 1/2 x 1 1/2" panel space, 1/4" hex shaft. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 905	148-1	15	2.3	6	1.00
75 L 906	148-2	25	2.6	10	1.05
75 L 907	148-3	35	2.9	14	1.10
75 L 908	148-4	50	3.3	19	1.15
75 L 909	148-5	75	3.9	29	1.20
75 L 910	148-6	100	4.5	38	1.30

TYPE "L" VARIABLES

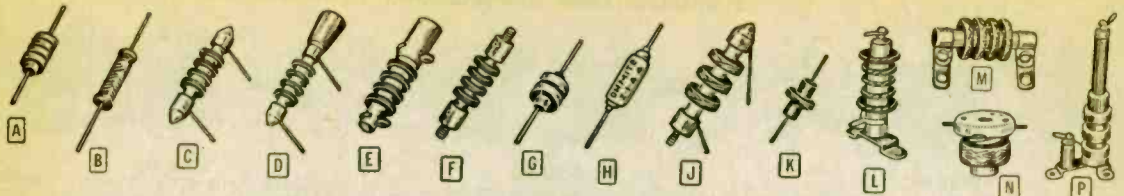
Top quality, general purpose capacitors. Steatite end frames with rotor bearing and stator support rods soldered directly to the ceramic support—providing a virtually vibration-proof unit. Plate spacing, .030". Bearings threaded 1/8"-32. Shaft diameters, 1/4", 1 1/4 x 1 1/4" panel space. Av. shpg. wt., 1 lb.

P SINGLE SECTION—ONE END FRAME					
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 911	167-1	11	2.8	7	1.80
75 L 912	167-2	27	3.5	13	1.90
75 L 913	167-3	51	4.6	13	2.10
75 L 914	167-4	75	5.7	19	2.30

R BUTTERFLY					
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 923	167-21	10.5	2.8	5	2.15
75 L 927	167-22	26	4.3	12	2.50
75 L 928	167-23	51	6.8	23	3.05

S DUAL SECTION					
Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	NET EACH
75 L 932	167-51	27	5.0	7	3.75
75 L 943	167-32	51	6.5	13	4.15
75 L 944	167-53	99	9.8	25	5.20

RF Chokes, Coils, and IF Transformers



FAMOUS-NAME RF CHOKES FOR EVERY PURPOSE

R-175A is for transmitters with plate supply up to 3000 volts modulated or 4000 volts unmodulated; can be used on all bands from 80 through 6 meters. R-152 is ideal for high-power, 80-160 meter transmitters. R-154 is for use in 20-80 meter transmitters; has third mtg. foot and insulator that permits use of higher voltages; R-154U is same as R-154, but less foot and insulator. R-33 and R-50 series are pie-wound; R-33 types

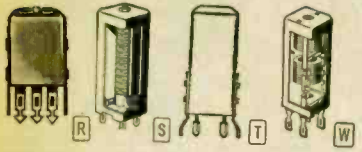
have 2 sections, R-50 types, 3 or 4 sections. Types with suffix "U" have standoff insulator at one end; with "ST," threaded stud at each end. *Wound on powdered-iron form. The four highest frequency Ohm-tite tubes. †On standoff insulator for vertical mtg. ‡Millihenries. **Milli-ohms. Av. shpg. wt., 2 oz.

Stock No.	Mfr.	Type	Fig.	±Mh	Ma	Ohms	NET
61 G 115	National	R-33	G	11**	350	1.8	.36
61 G 116	National	R-33	G	50**	225	3.5	.36
61 G 117	National	R-33	G	100**	200	5.0	.36
61 G 118	National	R-33	G	750**	125	16	.36
61 G 119	National	R-50	A	0.5	150	15	.42
61 G 160	National	R-50	A	1.0	135	23	.42
61 G 161	National	R-50	A	2.5	125	38	.42
61 G 162	National	R-50	A	10.0*	115	36	.72
61 G 168	National	R-60	A	2**	1500	.06	.29
61 G 169	National	R-60	A	4**	700	.15	.29
61 G 301	National	R-100	C	2.5	115	44	.57
61 G 329	National	R-100	C	5.0	70	90	.92
61 G 367	National	R-100	C	10.0	60	130	1.90
61 G 368	National	R-100U	D	2.5	115	44	.74
61 G 398	National	R-100U	D	5.0	70	90	1.04
61 G 399	National	R-100U	D	10.0	60	130	1.26
61 G 495	National	R-100S	E	2.5	115	44	.99
61 G 496	National	R-100S	E	5.0	70	90	1.32
61 G 497	National	R-100S	E	10.0	60	130	1.49
61 G 498	National	R-100ST	F	2.5	115	44	.66
61 G 499	National	R-100ST	F	5.0	70	90	.99
61 G 500	National	R-100ST	F	10.0	60	130	1.12
61 G 501	National	R-152	G	4.0	600	10	2.31
61 G 502	National	R-154	L	1.0	600	6.0	2.01
61 G 503	National	R-154U	L	1.0	600	6.0	2.01
61 G 504	National	R-175A	P	145	800	5.0	3.56
61 G 505	National	R-300	C	0.5	400	7.0	.57
61 G 506	National	R-300	C	1.0	400	11	.57
61 G 507	National	R-300	C	2.5	375	17	.74
61 G 508	National	R-300	C	5.0	325	24	.90
61 G 509	National	R-300U	D	0.5	400	7.0	.69
61 G 510	National	R-300U	D	1.0	400	11	.77
61 G 511	National	R-300U	D	2.5	375	17	.92
61 G 512	National	R-300U	D	5.0	325	24	1.02
61 G 513	National	R-300S	E	0.5	400	7.0	.95
61 G 514	National	R-300S	E	1.0	400	11	1.00
61 G 515	National	R-300S	E	2.5	375	17	1.12
61 G 516	National	R-300S	E	5.0	325	24	1.25
61 G 517	National	R-300ST	F	0.5	400	7.0	.63
61 G 518	National	R-300ST	F	1.0	400	11	.63

Stock No.	Mfr.	Type	Fig.	±Mh	Ma	Ohms	NET
61 G 519	National	R-300ST	F	2.5	375	17	.80
61 G 520	National	R-300ST	F	5.0	325	24	.96
61 G 521	Millen	3400	D	2.5	250	52.5	.48
61 G 522	Millen	34101	J	2.5	250	52.5	.42
61 G 523	Millen	34103	C	2.5	250	52.5	.42
61 G 524	Millen	34106	J	1.0	300	13.5	.42
61 G 525	Millen	34300-25	K	25**	250	3.4	.42
61 G 526	Millen	34300-50	K	50**	250	5.2	.42
61 G 527	Millen	34300-100	K	100**	250	7.4	.42
61 G 528	Millen	34300-250	K	250**	250	11	.42
61 G 529	Millen	34300-300	K	300**	250	10.1	.42
61 G 530	Millen	34300-500	G	500**	250	22.2	.42
61 G 531	Millen	34300-1000	G	1000**	250	21.7	.42
61 G 532	Millen	34225	N	25	75	159	.84
61 G 533	Millen	J300-100	B	100**	50	4.0	.42
61 G 534	Millen	J300-250	B	250**	50	6.2	.42
61 G 535	Millen	J300-500	B	500**	50	14.4	.42
61 G 536	Millen	J300-1000	B	1000**	50	23.7	.42
61 G 537	Millen	J300-2500	B	2500**	50	41.3	.42
61 G 538	Bud	CH-926S	M	2.5	200	25.0	.59
61 G 539	Bud	CH-928S	M	10	200	49	.59
61 G 540	Bud	CH-929S	M	2.5	400	11	.59
61 G 541	Bud	CH-1222	N	2.5	200	22	.59
61 G 542	Bud	CH-1224	N	5.5	200	33	.59
61 G 543	Bud	CH-1225	N	8.0	200	40	.59
61 G 544	Bud	CH-1227	N	16	200	59	.59
61 G 545	Bud	CH-1228	N	30	190	88	.67
61 G 546	Bud	CH-1229	N	60	180	130	.73
61 G 547	Bud	CH-1230	N	80	175	160	.81

Stock No.	Mfr.	Type	Fig.	**µh	Ma	Freq. Mc	NET EACH
61 G 548	Ohmite	Z-460	H	0.2	1000	320-520	.42
61 G 549	Ohmite	Z-235	H	0.84	1000	160-350	.42
61 G 550	Ohmite	Z-144	H	1.8	1000	80-200	.42
61 G 551	Ohmite	Z-50	H	7.0	1000	35-110	.45
61 G 552	Ohmite	Z-28	.....	21	600	20-60	.56
61 G 553	Ohmite	Z-14	.....	44	600	7-35	.67
61 G 554	Ohmite	Z-17	.....	84	1000	3-20	1.34

STANCOR RF COILS AND IF TRANSFORMERS



R Miniature Transistor IF Transformers. Tuned, tapped primary; untuned secondary. Size, 1/2" sq. x 3/4" high. Shpg. wt., 2 oz.

Stock No.	Type	Imp. Ohms	Use	NET
61 G 555	RTC-9083	10K-.6K	Input	3.30
61 G 556	RTC-9084	10K-1K	Output	3.30
61 G 557	RTC-9085	25K-.6K	Input	2.10
61 G 558	RTC-9086	25K-1K	Output	2.10
61 G 559	RTC-9087	100K-1K	Input	2.40

S Miniature RF Coils. Shielded, iron-core. For compact receivers. For 365-nmf variables. *Series pad required for 455 kc; †pad required for 262 kc. 3/4"x1/2"x2". 3 oz.

Stock No.	Mfr's Type	Use	Freq. Range	NET EACH
61 G 560	RTC-8756	Ant.	140-425 kc	1.68
61 G 561	RTC-8757	RF	140-425 kc	1.68
61 G 562	RTC-8758	Osc.	*120 nmf	1.68
61 G 563	RTC-8631	Ant.	540-1700 kc	1.05
61 G 564	RTC-8759	RF	540-1700 kc	1.05
61 G 565	RTC-8760	Osc.	*400 nmf	1.50
61 G 566	RTC-8761	Osc.	*600 nmf	1.50
61 G 567	RTC-8762	Ant.	2.1-6.3 mc	1.53
61 G 568	RTC-8763	RF	2.1-6.3 mc	1.50
61 G 569	RTC-8764	Osc.	*1600 nmf	1.50

T Miniature Printed Circuit IF Transformers. Specifically designed for printed circuit applications; also excellent for new equipment design or as replacement transformers for receivers presently on the market. All have high gain and good selectivity with tuning from top or bottom of shield. Available in all standard IF frequencies. *With built-in diode filter capacitors. †For use in battery radios; ‡AC-DC radios. IS, in application column below, indicates interstage use. 3/4" square x 2" high. Shpg. wt., 3 oz.

See Manufacturer's Index for Additional Listings of Stancor Products

W Miniature IF Transformers. Shell core permeability tuned transformers for experimental use and general replacement in "personal" radios. Offer exceptional gain and selectivity. Tune from top and bottom of shield. *With diode filter. †For battery radios; ‡AC-DC radios. IS indicates interstage use. With mtg. clip. 3/4" square x 2" high. Wt., 3 oz.

Stock No.	Type	Freq.	Application	NET EA.
61 G 594	RTC-8638	262 kc	Input	1.80
61 G 595	RTC-8639	262 kc	Output	1.80
61 G 596	RTC-8640	262 kc	Output*	1.80
61 G 597	RTC-8632	455 kc	Input	1.80
61 G 598	RTC-8633	455 kc	Output	1.80
61 G 599	RTC-8634	455 kc	Output*	1.50
61 G 600	RTC-8675	455 kc	Input	1.80
61 G 601	RTC-8635	455 kc	Output	1.80
61 G 602	RTC-8636	455 kc	Input	1.80
61 G 603	RTC-8637	455 kc	Output	1.80
61 G 604	RTC-8676	455 kc	IF	1.50
61 G 605	RTC-8677	455 kc	Tapped Pri.	2.25
61 G 606	RTC-8678	455 kc	Discrim.	2.25
61 G 607	RTC-8686	1500 kc	Input or IS	1.80
61 G 608	RTC-8687	1500 kc	Output	1.80
61 G 609	RTC-8599	10.7 mc	Input or IS	1.95
61 G 610	RTC-8665	10.7 mc	Discrim.	2.25
61 G 611	RTC-8652	10.7 mc	Discrim.	2.50
61 G 612	RTC-8600	10.7 mc	Ratio Detec.	2.40
61 G 613	RTC-9054	10.7 mc	Ratio Detec.	2.64
61 G 614	RTC-8545	4.5 mc	Input or IS	2.25
61 G 615	RTC-8618	4.5 mc	Discrim.	2.25
61 G 616	RTC-8620	4.5 mc	Ratio Detec.	2.25
61 G 617	RTC-9249	21.25mc	Input or IS	2.88
61 G 618	RTC-9252	21.25mc	Discrim.	2.40
61 G 619	RTC-9251	21.25mc	Ratio Detec.	2.40
61 G 620	RTC-8557	44 mc	TV Convert.	1.80
61 G 621	RTC-8558	44 mc	TV First IF	1.80
61 G 622	RTC-8559	42.5 mc	TV Second IF	1.80
61 G 623	RTC-8561	45.5 mc	TV Third IF	2.25
61 G 624	RTC-8563	44 mc	TV Fourth IF	1.80

J. W. MILLER COILS, CHOKES, INDUCTORS, AND TRANSFORMERS

FM STEREO MULTIPLEX INDUCTORS

New units designed specifically for use in FM stereo multiplex tuners and receivers. Units provide necessary separation of AM modulated (L-R) suppressed carrier signal, L+R audio signal, and 19-kc pilot sub-carrier. Generate 38-kc signal and 19-kc pilot sub-carrier. Combine L-R signal into a suitable matrix with L+R signal in such a manner that L signal appears at one output terminal and R signal at another. $\frac{3}{4}$ " square x $1\frac{1}{2}$ " high. Shpg. wt., 3 oz.



Stock No.	Type	Description	E.A.
61 G 000	1351	Low Pass Filter	1.95
61 G 001	1352	Series Band Pass Filter	1.80
61 G 002	1353	Shunt Band Pass Filter	1.80
61 G 003	1354	Locked Oscillator 19 kc	1.86
61 G 004	1355	Output Transformer 38 kc	2.25

CTC COILS, COIL FORMS

For broadband RF amplifiers, TV traps, HF circuits, etc. All have HF paper base phenolic bodies, except ceramic. Vertical mounts, except 2270 and 2271, horizontal. Unassembled coil forms. All parts are non-ferrous and electro-plated. Av. wt., 4 oz.



COILS

Stock No.	Type	M	L x Dia.	NET
61 G 005	LSM	3	$2\frac{1}{2} \times \frac{1}{4}$	1.12
61 G 006	LSM	5	$2\frac{1}{2} \times \frac{1}{4}$	1.10
61 G 007	LSM	5	$2\frac{1}{2} \times \frac{1}{4}$	1.07
61 G 010	LSM	10	$2\frac{1}{2} \times \frac{1}{4}$	1.03
61 G 014	LSM	30	$2\frac{1}{2} \times \frac{1}{4}$	1.00
61 G 015	LSM	60	$2\frac{1}{2} \times \frac{1}{4}$	.93
61 G 016	LS3	1	$1\frac{1}{2} \times \frac{3}{8}$	1.12
61 G 019	LS3	3	$1\frac{1}{2} \times \frac{3}{8}$	1.10
61 G 020	LS3	5	$1\frac{1}{2} \times \frac{3}{8}$	1.07
61 G 021	LS3	10	$1\frac{1}{2} \times \frac{3}{8}$	1.00
61 G 022	LS3	30	$1\frac{1}{2} \times \frac{3}{8}$	.93
61 G 023	LS3	60	$1\frac{1}{2} \times \frac{3}{8}$	.93
61 G 024	2060-1†	2.0-3.7	$2\frac{1}{2} \times \frac{1}{4}$	1.06
61 G 025	2060-2†	3.5-7.0	$2\frac{1}{2} \times \frac{1}{4}$	1.06
61 G 026	2060-3†	6.5-10.6	$2\frac{1}{2} \times \frac{1}{4}$	1.16
61 G 027	2060-4†	10-18	$2\frac{1}{2} \times \frac{1}{4}$	1.16
61 G 028	2060-5†	16-30	$2\frac{1}{2} \times \frac{1}{4}$	1.23
61 G 029	2060-6†	28-63	$2\frac{1}{2} \times \frac{1}{4}$	1.32
61 G 030	2060-7†	61-122	$2\frac{1}{2} \times \frac{1}{4}$	1.42
61 G 031	2060-8†	120-243	$2\frac{1}{2} \times \frac{1}{4}$	1.51
61 G 032	2060-9†	238-450	$2\frac{1}{2} \times \frac{1}{4}$	1.59
61 G 033	2060-10†	440-880	$2\frac{1}{2} \times \frac{1}{4}$	1.64

COIL FORMS FOR 1-20 MC

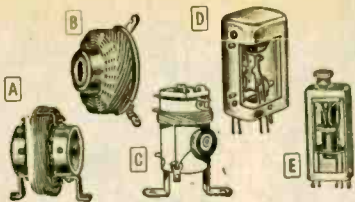
Stock No.	Type	L x Dia.	NET
61 G 034	PLS5-2C4L/B†	$1\frac{1}{2} \times \frac{3}{8}$	.84
61 G 035	PLS6-2C4L/E†	$2\frac{1}{2} \times \frac{1}{4}$	.75
61 G 036	PLS7-2C4L/K†	$1\frac{1}{2} \times \frac{3}{8}$	.71
61 G 037	SPC-1A-4†	$1\frac{1}{2} \times \frac{3}{8}$	.26
61 G 038	SPC-2B-4†	$\frac{3}{4} \times \frac{1}{2}$	.26
61 G 039	SPC-11A-4†	$\frac{1}{2} \times \frac{1}{2}$	.29
61 G 040	SPC-12A-4†	$\frac{1}{2} \times \frac{1}{2}$	.29
61 G 041	2270-2†	$\frac{3}{4} \times \frac{3}{8}$	.74
61 G 042	2271-2†	$\frac{1}{2} \times \frac{1}{2}$	.74
61 G 043	LSM-E	$2\frac{1}{2} \times \frac{1}{4}$	.46
61 G 044	LS3-B	$1\frac{1}{2} \times \frac{3}{8}$	.46
61 G 045	LS4/K	$2 \times \frac{1}{2}$	.68
61 G 046	PLS5/B†	$1\frac{1}{2} \times \frac{3}{8}$	.64
61 G 047	PLS6/E†	$2\frac{1}{2} \times \frac{1}{4}$	.59

COIL FORMS FOR 20-50 MC

Stock No.	TYPE	L x Dia.	NET
61 G 048	PLS1-2C4L/H†	$1\frac{1}{2} \times \frac{3}{8}$	.68
61 G 049	PLS2-2C4L/I†	$1\frac{1}{2} \times \frac{3}{8}$	.68
61 G 050	PLS3-2C4L/N†	$1\frac{1}{2} \times \frac{3}{8}$	.84
61 G 051	PLS6-2C4L/O†	$1\frac{1}{2} \times \frac{3}{8}$	.75
61 G 052	PLS7-2C4L/Q†	$2\frac{1}{2} \times \frac{1}{4}$	.91

MORRIS "COILMASTER"

Accurate, easy-to-use hand-operated coil winder will produce self-supporting, universal and honeycomb coils; also solenoids, single-layer coils, etc. It's a big time-saver and gives you work a professional appearance. Indicator counts coil turns. Unit is easily adjustable for pi spacing and various diameter coil forms. Extremely versatile—accepts No. 22 to No. 40 wire; 3 cams and 4 gears permit winding virtually all types of coils. Less wire, coil forms. Base size, 5x5". Shpg. wt., 4 lbs. **61 G 053. NET 6.95**



DUO-LATERAL FILTER CHOKES

A Effective line filters. Duo-lateral wound for low distributed capacity. Ideal for use in AC lines to filter RF or noise pulses. Type 7825 is $1\frac{1}{2} \times 1\frac{1}{4}$ " wound on bakelite form. Type 7827 is $2\frac{1}{2} \times 4$ ".

Stock No.	Type	Amps	Ohms	Oz.	Mh	NET
61 G 054	7825	2	7	5	600	1.62
61 G 055	7827	10	15	16	370	4.12

CENTER-TAPPED CHOKE

B Type 691-T. Duo-lateral wound, single section RF chokes wound with silk-covered enameled copper wire. Unshielded air core type; windings impregnated against moisture. Inductance, 20 mh $\pm 5\%$; DC resistance, 100 ohms; current rating, 125 ma, $1\frac{1}{2} \times \frac{3}{8}$ " high. Wt., 4 oz. **61 G 056. NET .97**

CAPACITY-OPERATED RELAY COIL

C Type 695. For use in alarm systems, window displays, etc. Supplied with typical wiring diagram. $\frac{3}{4} \times 2\frac{1}{4}$ " high. Wt., 4 oz. **61 G 057. NET 2.20**

100 KC HI-Q IF TRANSFORMER

D Type 1890-P1. Iron-core transformer has high Q windings for exceptionally sharp selectivity characteristics. Provides high gain and excellent stability. For input or interstage use. $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ". Wt., 4 oz. **61 G 059. NET 5.88**

BEST FREQUENCY OSCILLATOR COIL

E Type 612-M5. Mica tuned air core. Frequency, 132, 127-137 kc range. Has knob for adjustment. $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ". Wt., 4 oz. **61 G 058. NET 2.50**

PRINTED CIRCUIT RF CHOKES

High-quality, air-core RF chokes for use on printed circuit boards. Available in a wide range of inductances for transmitters, receivers, test equipment, etc. Printed-circuit type mounting lugs for quick, easy soldering into circuit. Coil forms are $\frac{3}{4}$ " long. Av. shpg. wt., 2 oz.

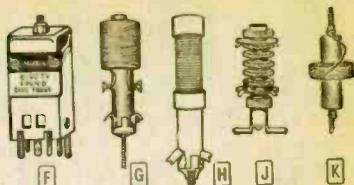


Stock No.	Type	Mh	Ohms	Ma	Dia.	EACH
61 G 061	970	1	17.2	125	$1\frac{1}{16}$ "	.56
61 G 062	971	1.2	19.8	125	$2\frac{1}{32}$ "	.56
61 G 063	972	1.5	21.8	125	$\frac{3}{16}$ "	.56
61 G 064	973	1.8	23.7	125	$\frac{3}{8}$ "	.59
61 G 065	974	2.2	27.4	125	$2\frac{1}{8}$ "	.59
61 G 067	975	2.7	31.2	125	$1\frac{3}{16}$ "	.59
61 G 068	976	3.3	34.8	125	$1\frac{3}{8}$ "	.62
61 G 069	977	3.9	38.9	125	$2\frac{1}{32}$ "	.62
61 G 070	978	4.7	43.2	125	$\frac{3}{8}$ "	.62
61 G 071	979	5.6	48	125	$2\frac{1}{32}$ "	.62
61 G 072	980	6.8	53.6	125	$1\frac{15}{16}$ "	.65
61 G 073	981	8.2	60.8	100	$2\frac{1}{32}$ "	.65
61 G 074	982	10	68	100	$\frac{3}{8}$ "	.71
61 G 075	983	12	77	100	$2\frac{3}{32}$ "	.73
61 G 076	984	15	87.7	100	$1\frac{15}{16}$ "	.76
61 G 077	985	18	97.9	100	$3\frac{1}{2}$ "	.79
61 G 078	986	22	108	75	$2\frac{1}{32}$ "	.91
61 G 079	987	27	121	75	$1\frac{1}{16}$ "	.94
61 G 080	988	33	209	75	1"	1.00
61 G 081	989	39	231	75	$1\frac{1}{16}$ "	1.03
61 G 082	990	47	263	50	$2\frac{1}{8}$ "	1.06
61 G 083	991	56	292	50	$1\frac{1}{16}$ "	1.12
61 G 084	992	68	326	50	$1\frac{1}{8}$ "	1.19
61 G 085	993	82	368	50	$1\frac{1}{2}$ "	1.23
61 G 086	994	100	394	50	$1\frac{1}{16}$ "	1.29

MIDTET RF COILS

Type A-320-A. Permeability-tuned broadcast band coils enclosed in aluminum shields. For receiver antenna stage use. Adjustable iron core permits accurate alignment. Frequency range, 540-1700 kc. $1\frac{1}{2}$ " sq. x $2\frac{1}{2}$ " high. #6-32 spade bolt mounting. Shpg. wt., 4 oz. **61 G 087. NET 1.62**

Type A-320-RF. Same as above except for RF stage use. Shpg. wt., 4 oz. **NET 1.62**



SOUND DETECTOR AND OSCILLATOR TRANSFORMERS

F Quality TV components. Type 1468 is a mc ratio detector transformer for 4.5 mc IF in sets using inter-carrier sound system; will provide good operation with only one or two stages of amplification preceding it. Type 6194 has two coupled windings; one tapped for horizontal oscillator circuit; the other center-tapped and balanced for a sine-wave discriminator arrangement (synchrolock). Type 6183 has dual windings for Sync. Frequency and Phase circuit. All have aluminum shields with #6-32 spade bolt mtg. Sizes: Type 1468, $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$ "; 6194 and 6183, $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ". 5 oz.

Stock No.	Mfr's Type	Description	NET EACH
61 G 089	6183	Horizontal Oscillator	2.06
61 G 090	6194	Horizontal Oscillator	2.00
61 G 091	1468	Ratio Detector	2.41

SYNC STABILIZER (RINGING) COIL

G Type 6210. Has bakelite form with $\frac{3}{16}$ " mounting clip. 16-42 mh range. Size, $\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt., 2 oz. **NET 1.62**

HORIZONTAL LINEARITY AND WIDTH CONTROLS

H Iron-core variable inductance coils for horizontal sweep circuits. Permit adjustments over a wide inductance range to obtain the proper match for best operating characteristics. *Has AGC winding. Mtg. clip fits $\frac{3}{16}$ " hole; $\frac{1}{16}$ " hole with adapter supplied. $\frac{1}{2} \times 2\frac{1}{4}$ " long on phenolic forms. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Millihenries	NET EACH
61 G 093	6313	5-5	1.29
61 G 094	6314	2.0-18	1.21
61 G 095	6315	4.0-30	1.29
61 G 096	6316*	4.0-30	1.76
61 G 097	6318	2-3	1.09
61 G 098	6319	15.0-60	1.62
61 G 099	6322	1.5-10	1.21
61 G 100	6324	60-130 tapped	1.62

HIGH-VOLTAGE RF POWER SUPPLY TRANSFORMERS

J Type 4525. RF power supply transformer for use in TV receivers, cathode ray oscilloscopes, etc. Provides voltage up to 5,000 v. DC. Size, $1\frac{1}{2}$ " dia. x $3\frac{1}{2}$ " high. 4 oz. **61 G 101. NET 5.88**

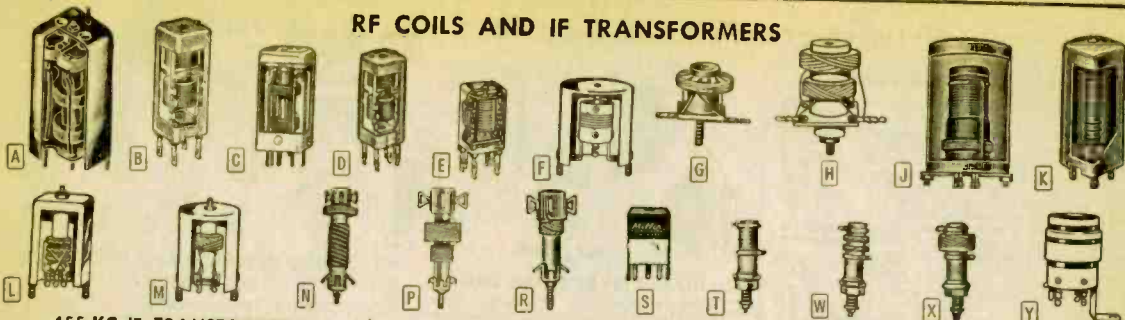
Type 4526. Provides voltage up to 10,000 v. DC (30,000 when used in a voltage rectifier-circuit). Size, $2\frac{1}{4}$ " diameter x 6" high. Shpg. wt., 4 oz. **61 G 102. NET 8.82**

VIDEO PEAKING AND FILAMENT CHOKE COILS

K Type 6175 is filament choke. Reduces stray coupling, feedback, etc. Other are video peaking coils for proper bandwidth and wave shape of video signals. Coils without shunt resistor wound on plastic forms; shunt types wound on resistor. Over-all size; Type 6175, $\frac{3}{4} \times \frac{3}{8}$ " diameter; all other types, $\frac{3}{4} \times \frac{3}{8}$ " diameter. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	μ phys	Shunt	NET EACH
61 G 103	6172	73	None	
61 G 104	6153	120	None	.56
61 G 105	6174	500	None	
61 G 106	6175	0.8	None	.56
61 G 107	6152	20	None	
61 G 108	6176	36	None	
61 G 109	6177	93	None	
61 G 110	6178	120	22 K	.56
61 G 111	6180	180	None	
61 G 112	6154	200	None	
61 G 113	6181	250	None	.56
61 G 114	6155	300	None	

RF COILS AND IF TRANSFORMERS



455-KC IF TRANSFORMERS

A Double-tuned air-core, universal input, interstage or output transformers. Universal wound primary and secondary tuned by mica insulated compression-type trimmers for minimum temperature-capacity drift. RETMA (EIA) leads. Size, $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ " Wt., 4 oz.

Stock No.	Type	Application	EA.
60 G 739	512-C1	Input IF	
60 G 740	512-C2	Interstage IF	
60 G 741	512-C3	Full-wave output IF	1.94
60 G 512	512-C4	Half-wave output IF	

MINIATURE IF TRANSFORMERS

B Shell core, permeability tuned IF transformers. For experimental and general replacement use. Tunable powdered iron cores; tuning from top and bottom of shield. *Built-in diode filter capacitors. Size: $\frac{1}{2}$ " sq. x 2". With mtg. hardware. Shpg. wt., 4 oz.

No.	Type	Freq.	Use	NET
60 G 727	12-C1	455 kc	IF Input	1.59
60 G 728	12-C2	455 kc	IF Output*	1.59
60 G 787	12-C6	455 kc	IF Output*	1.68
60 G 716	12-C7	455 kc	Input (Batt.)	1.59
60 G 717	12-C8	455 kc	Output (Batt.)	1.59
60 G 718	12-C9	455 kc	Input(AC-DC)	1.59
60 G 719	12-C10	455 kc	Output(AC-DC)	1.59
60 G 729	12-H1	262 kc	IF Input	1.71
60 G 731	12-H2	262 kc	IF Output*	1.71
60 G 789	12-H6	262 kc	IF Output*	1.76
60 G 732	1463	10.7 mc	Input or Inter.	1.91
60 G 733	1464	10.7 mc	Discriminator	2.20
60 G 734	1465	10.7 mc	Ratio Detect.	2.29
60 G 789	6203	4.5 mc	Input or Inter.	1.94
60 G 790	6204	4.5 mc	Discriminator	2.20
60 G 791	6205	4.5 mc	Ratio Detect.	2.20

MIDGET IF TRANSFORMERS

C Air-core mica trimmer tuned IF's. Excellent gain and selectivity. 3-32 spade-bolt mtg. $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ " Shpg. wt., 4 oz.

No.	Type	Freq.	Use	EA.
60 G 735	112-C1	455 kc	Input	
60 G 736	112-C2	455 kc	Interstage	
60 G 737	112-C3	455 kc	CT Output	1.94
60 G 738	112-C4	455 kc	Output	

SUBMINIATURE 455KC IF TRANSFORMERS

D Extremely small IF transformers with excellent gain and bandwidth characteristics. Ferrite-shell cores provide high efficiency. Primary and sec. mica-trimmer tuned. Only $\frac{1}{2}$ " square by $1\frac{1}{2}$ " high. Shpg. wt., 3 oz.
60 G 860. Type 10-C1. Input. NET
60 G 861. Type 10-C2. Output. EA. 1.65

TRANSISTOR IF TRANSFORMERS

S Subminiature. A tiny 455-kc IF transformer with cup-core construction for top performance. Only $\frac{1}{2}$ " square by $\frac{3}{8}$ " high. Primary impedance, 25,000 ohms; secondary impedance, *600 ohms, †1000 ohms. Will match CK760 and CK761 transistors. Primary is tuned and tapped. Shpg. wt., 3 oz.
60 G 802. Type 9-C1*. Input. NET
60 G 803. Type 9-C2†. Output. EA. 2.35

E Miniature. High-quality 455-kc IF transformer for compact transistor receivers. Primary impedance, 25,000 ohms; secondary impedance, *600 ohms, †1000 ohms. Will match CK760 and CK761 transistors. Primary is tuned and tapped. Shpg. wt., 3 oz.
60 G 896. Type 2041*. Input. NET
60 G 897. Type 2042†. Output. EA. 2.06

BANDPASS COUPLING COIL

F Negative mutual coupling coil for hi-fi TRF receivers. $1\frac{1}{2} \times 2\frac{1}{2}$ " Shpg. wt., 4 oz.
60 G 761. Type EL-56. NET. 97

MIDGET OSCILLATOR COILS

G H Cover 540-1600 with a 365 mmf capacitor. Series 5480 (Fig. H): single-section secondary with high-impedance primary; for use with pentagrid converters. Series 5481 (Fig. G): no primary, secondary tapped for cathode return; for use with 6BE6 and similar mixers, and with separate oscillator and mixer. Size, $1 \times 1\frac{1}{2}$ " Shpg. wt., 4 oz.

Stock No.	Mfr's Type	IF	Padder	NET EACH
60 G 743	5480-C	455 kc	.0004 mfd	
60 G 744	5481-K	455 kc	.0004 mfd	
60 G 981	5481-K	175 kc	.001 mfd	1.12

DELUXE BANK-WOUND COILS

J Shielded antenna RF and bandpass coils. Cover 540-1740 kc with 365 mmf capacitor. Two-bank Litz secondaries. High impedance primaries. $1\frac{1}{2} \times 3\frac{1}{2}$ " Shpg. wt., 4 oz.
60 G 783. Type 242-A. Ant. NET
60 G 784. Type 242-RF. RF. EACH 1.47
60 G 797. Type 242-BP. Bandpass. NET 1.29

MINIATURE RF COILS

K Shielded iron-core coils for compact receivers. For 365 mmf tuning capacitors. Antenna and osc. coils have tapped sec. $\frac{1}{4}$ " sq. x 2". *Requires series pad. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	KC Range	NET EACH
60 G 706	A-121-A	Antenna	540-1700	
60 G 707	A-121-RF	RF	540-1700	
60 G 708	A-121-C	Osc. 455 kc	*400 mmf	1.47

ADJUSTABLE RF COILS

L Compact, variable-inductance iron-core coils for replacement use. Shielded type. Use with 250-450 mmf variable capacitors. Oscillator coils have tapped secondary. Size, $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ " *Indicates IF frequency. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Use	KC Range	NET EACH
60 G 748	73-A	Ant.	500-1800	
60 G 749	73-RF	RF	500-1800	
60 G 752	73-OSC	Osc.	*100-550	2.06

ANTENNA AND RF COILS

M Untuned. Broadly self-resonant from 540 to 1700 kc. Does not require additional tuning capacitor. Can size, $2\frac{1}{2} \times 1\frac{1}{2}$ " Shpg. wt., 4 oz.
60 G 759. Type 472-UA. Ant. NET 1.76
60 G 759. Type 472-UT. RF. NET 2.06

HIGH "Q" BROADCAST RF COILS

N High-efficiency, unshielded, iron-core coils. Adjustable core. Range indicated obtained using 365 mmf variable capacitor. Mount in $\frac{1}{4}$ " hole. *Padder values shown for 455 kc IF. Size: $\frac{3}{8} \times 2\frac{1}{2}$ " Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	KC Range	NET EACH
60 G 862	A-5495-A	Antenna	550-1700	
60 G 863	A-5495-RF	RF	550-1700	
60 G 864	A-5495-C	Std. Osc.	*400 mmf	1.62
60 G 865	A-5496-C	Tap'd Osc.	*400 mmf	

MINIATURE ADJUSTABLE RF COILS

P Variable-inductance RF coils. Use with tuning capacitors of 250 to 450 max. capacity. Type 70-OSC coil has tapped secondary. 70-series installed self-supported, 71-OSC has 2-tap primary. Both track 100 to 550 kc IF. Max. size: $\frac{3}{8} \times 1\frac{1}{2}$ " high. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	KC Range	NET EACH
60 G 866	70-A	Ant.	540-1600	1.12
60 G 867	70-RF	RF	540-1600	1.12
60 G 868	70-OSC	Osc.	540-1600	1.12
60 G 869	71-OSC	Osc.	540-1600	1.62

TRANSISTOR OSCILLATOR COILS

R Type 2020. Use in one transistor osc. circuit. For 365 mmf capacitor, 455 kc IF. $\frac{3}{8} \times 1\frac{1}{2}$ " Shpg. wt., 3 oz.
60 G 895. NET. 1.62
Type 2022. Similar to above, except for use with variable capacitor 78-100 mmf max.
60 G 974. NET. 1.62

SUBMINIATURE TRANSISTOR OSCILLATOR COIL

S Type 2021. Shielded. For use in converter circuits using one transistor for oscillator, mixer. Use with 100 mmf variable capacitor. Size, $\frac{1}{2}$ " high x $\frac{3}{8}$ " sq. Shpg. wt., 2 oz.
60 G 975. NET. 2.06

ADJUSTABLE CERAMIC RF COILS

T W X Adjustable coils for the most exacting requirements. Wound on silicone-impregnated ceramic forms. Tuned by powdered-iron core. Fig. T is single-layer wound, Fig. W is twin-ply wound, Fig. X is single-ply wound. Standard. High "Q" units with a wide range of inductances. Require $\frac{1}{4}$ " mtg. hole. Form size: $\frac{3}{8} \times 1\frac{1}{4}$ " Av. shpg. wt., 3 oz.

No.	Type	Fig.	Microhenry	NET
60 G 982	4400	T	Form only	1.12
60 G 983	4403	T	0.9-1.6	1.59
60 G 984	4404	T	1.5-3.2	1.62
60 G 985	4405	T	3.2-6.8	1.65
60 G 986	4406	T	6.7-15	1.71
60 G 987	4407	X	14.8-31	1.76
60 G 988	4408	X	30-69	1.79
60 G 989	4409	X	68-130	1.85
60 G 990	4410	X	126-250	1.88
60 G 991	4411	X	245-475	1.91
60 G 992	4412	X	450-800	1.94
60 G 993	4413	W	750-1400	1.97
60 G 994	4414	W	1300-2100	1.97

Miniature. For limited space. $\frac{1}{4}$ " mtg. hole. Form size: $\frac{1}{2} \times \frac{3}{8}$ " Av. shpg. wt., 3 oz.

No.	Type	Form only	NET
60 G 870	4500	T	1.03
60 G 871	4502	T	1.0-1.6
60 G 872	4503	T	1.6-2.8
60 G 873	4504	T	2.8-5
60 G 874	4505	T	5-9
60 G 875	4506	T	9-16
60 G 876	4507	W	16-24
60 G 877	4508	W	24-35
60 G 878	4509	W	35-60
60 G 879	4511	X	60-120
60 G 880	4512	X	110-200
60 G 881	4513	X	190-330
60 G 882	4514	X	320-500

Subminiature. For ultra-compact equipment. $\frac{1}{4}$ " mtg. hole. Form: $\frac{3}{8} \times \frac{3}{8}$ " Wt., 3 oz.

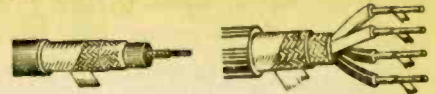
No.	Type	Form only	NET
60 G 995	4300	T	1.03
60 G 996	4301	T	0.17-0.27
60 G 997	4302	T	0.27-0.41
60 G 998	4303	T	0.40-0.65
60 G 999	4304	T	0.64-0.95
60 G 927	4305	T	0.94-1.55
60 G 928	4306	T	1.5-2.57
60 G 929	4307	T	2.5-4.40
60 G 930	4308	T	4.3-7.15
60 G 931	4309	X	7.1-12.5
60 G 932	4310	X	12.4-20.3
60 G 933	4311	X	20.1-32.8
60 G 934	4312	X	32.5-51.5
60 G 941	4313	X	51-102
60 G 942	4314	X	101-180
60 G 943	4315	X	178-300

TYPE 20 ECONOMY TRF COILS

Y Unshielded TRF coils for 540 to 1750 kc. For use with 365 mmf variable capacitor. With L mtg. bracket. Low impedance primary on adjustable sleeve over secondary. $1\frac{1}{2} \times 2\frac{1}{2}$ " high. Shpg. wt., 3 oz.
60 G 753. 20-A. Antenna Coil. NET. 82
60 G 590. 20-RF. RF Coil. NET. 82

RUBBER-COVERED MICROPHONE AND SHIELDED POWER SUPPLY CABLE

Recommended for greater abrasion resistance and extra flexibility. Especially suited for installations where cable must make tight bends around corners or lie perfectly flat. 8414 is extra flexible and limp; 8428 has heavy-duty neoprene jacket; 8106 and 8413 are miniature-sized cables. *Order on standard length spools and save. For price of continuous footage over 100', use PER FOOT column in table below. Be sure to specify footage desired on your order.



Mfr's Type	No. Cond.	AWG Stranding	Cap. Mmf.	O. D. Inches	Wkg. Volts	Wt., Lbs. per 100'	Stock No.	STANDARD SPOOLS*						PER FOOT	
								15'	25'	50'	100'	250'	500'		1000'
8410	1	25(7x33)	33	.245	3000	4	47 W 444	1.32	2.06	3.82	7.20	16.90	33.81	.....	.08
8412	2	20(26x34)	42	.268	600	5 1/2	47 W 464	1.50	2.30	4.22	8.08	18.62	37.14	.....	.09
8414	2	20(26x34)	45	.256	600	4	47 W 500	.....	.....	3.70	9.11	22.05	44.10	88.20	.10
8423	3	20(26x34)	50	.277	600	5 1/4	47 W 463	1.76	.....	.....	.....	.....	50.28	100.55	.11
8424	4	20(26x34)	55	.295	600	6 1/4	47 W 473	1.91	.....	5.54	10.39	25.14	.....	.....	.13
8425	5	20(26x34)	44	.323	600	7 1/4	47 W 483	.....	.....	.....	12.94	31.60	.....	.....	.16
8426	6	20(26x34)	40	.349	600	9	47 W 493	.....	.....	.....	15.43	38.66	.....	.....	.17
8427	7	20(26x34)	40	.360	600	10	47 W 509	.....	.....	.....	16.90	41.16	.....	.....	.18
8418	8	20(26x34)	42	.386	600	11	48 W 837	.....	.....	.....	17.64	44.10	.....	.....	.18
8428	2	18(41x34)	47	.295	600	6 1/2	47 W 458	.....	.....	.....	10.29	.....	49.24	.....	.11
8413	2	24(45x40)	38	.185	300	2 1/2	47 W 646	1.47	2.20	3.92	7.35	17.64	35.28	.....	.08
8406	3	24(45x40)	43	.223	300	3	47 W 288	.....	.....	.....	9.11	22.05	44.10	.....	.10

VINYL PLASTIC-COVERED MICROPHONE AND SHIELDED POWER SUPPLY CABLE

Feature lower capacitance values and lower loss figures than standard rubber-covered cables. Resist ozone deterioration; have high resistance to oil, gasoline, and other chemicals' solvent action. All are relatively light weight with small diameters. Type 8411 is especially suited for

use with lapel or lavaller microphones. 8420 is a miniature type cable. *Order on standard length spools and save money. For price of continuous footage over 100', use PER FOOT column in table below. Be sure to specify the footage you desire on your order.

Mfr's Type	No. Cond.	AWG Stranding	Cap. Mmf.	O. D. Inches	Wkg. Volts	Wt., Lbs. per 100'	Stock No.	STANDARD SPOOLS*						PER FOOT	
								15'	25'	50'	100'	250'	500'		1000'
8401	1	25(7x33)	25	.200	5000	2 1/2	47 W 564	.85	1.18	2.30	4.21	8.82	17.64	.....	.05
8411	1	25(7x33)	34	.144	3500	1 1/2	47 W 604	.70	.99	1.71	3.09	6.57	13.08	.....	.06
8422	2	22(16x34)	18	.231	1000	4	47 W 558	1.42	1.71	3.18	5.73	12.89	25.72	.....	.07
8403	3	20(26x34)	25	.245	600	5	47 W 558	1.42	.....	3.53	6.61	16.17	33.07	66.15	.07
8404	4	20(26x34)	25	.255	600	5 1/2	47 W 567	1.47	.....	.....	7.50	19.11	37.48	74.97	.08
8405	5	20(26x34)	25	.275	600	6	47 W 501	.....	.....	.....	.....	22.78	44.88	89.67	.11
8420	2	24(45x40)	20	.178	500	2 1/4	47 W 635	1.47	2.20	3.33	6.27	16.17	29.40	.....	.07

RETRACTILE (COILED) MICROPHONE AND TELEPHONE CABLE

Rugged coiled cables; have tinned cadmium-bronze conductors. All mike cables have braided shield except 8415. 8496, 8497 have one shielded conductor; 8494 and 8495 are unshielded telephone cords with spade terminals and strain relief. Shpg. wt., 1/4 lb.



Mfr's Type	No. Cond.	Description	Jacket	AWG Stranding	O. D. Inches	Extends		Stock No.	NET EACH
						From	To		
8415	4	Microphone Cable	Neoprene	23(21x36)	.250	11 1/2"	6'	47 T 275	1.13
8497	3	Microphone Cable	Neoprene	23(21x36)	.250	11 1/2"	6'	47 T 279	1.14
8499	1	Microphone Cable	Neoprene	24(45x40)	.160	10 1/2"	4'	47 T 286	.73
8494	4	Telephone Cord	Vinyl	23(21x36)	.245	10"	4 1/2"	47 T 276	1.17
8495	3	Telephone Cord	Vinyl	23(21x36)	.220	10"	4 1/2"	47 T 277	.99
8496	3	Microphone Cable	Vinyl	23(21x36)	.250	11 1/2"	6'	47 T 278	.99
8498	1	Microphone Cable	Vinyl	24(45x40)	.180	7 1/2"	4'	47 T 285	.71



STANDARD AND MINIATURE BROADCAST AUDIO CABLES

Two-conductor, color-coded broadcast cables. With spiral-wrapped tinned copper shields, except 8437 and 8441 which have braided shields; 8450 and 8451, spiral-wrapped aluminum-"Mylar" shields. All have

tinned drain wires. *Save by purchasing standard spools of 100, 500 and 1000 ft. lengths. Specify footage desired on order.

Mfr's Type	Type	AWG Stranding	O. D. Inches	Wkg. Volts	Jacket	Wt., Lbs. per 100'	Stock No.	NET PRICE*				PER FOOT
								100'	500'	1000'	PER FOOT	
8436	ABC	22(solid)	.180	100	Black Vinyl	2	48 W 859	.....	20.58	41.16	.....	.055
8437	CBS	22(solid)	.200	200	Black Vinyl	3 1/2	48 W 886	.....	17.64	35.28	.....	.045
8438	CBS	22(16x34)	.210	200	Black Vinyl	3	49 W 844	4.41	20.87	41.16	.....	.055
8440	Standard	22(solid)	.185	100	Chrome Vinyl	1 1/2	48 W 859	.....	20.58	41.16	.....	.055
8450	Miniature	22(solid)	.118	200	Black Vinyl	1 1/2	49 W 373	2.50	10.29	20.58	.....	.03
8451	Miniature	22(7x30)	.135	200	Black Vinyl	1 1/2	49 W 374	2.94	13.52	26.46	.....	.035

HI-FI, STEREO AND PHONO CABLES

Cables with stranded, tinned copper conductors, vinyl or rubber insulated. Feature extreme flexibility. 8421 is hi-fi connecting cable with spiral wrap; all others are phono pickup arm cables. 8419 and 8429 are

for stereo heads. *For price of continuous footage over 100', use PER FOOT price column in table below. State desired footage on order.

Mfr's Type	Jacket	No. Cond.	AWG Stranding	O. D. Inches	Wt., Lbs. per 100'	Stock No.	STANDARD SPOOLS*					PER FOOT	
							10'	25'	50'	100'	250'		500'
8421	Chrome Vinyl	1	25(7x33)	.180	2 1/4	47 W 617	.....	1.18	2.30	3.67	8.33	14.41	.07
8431	Rubber	1	24(16x36)	.095	1 1/2	47 W 613	.52	.99	.....	.....	.....	.....	.06
8430	Vinyl	2	32(7x40)	.050	1 1/2	47 W 618	.52	.67	.....	.....	.....	.....	.06
8429	Vinyl	2	32(7x40)	.057	1 1/4	47 W 619	.67	1.06	.....	.....	7.50	.....	.08
8419	Vinyl	3	32(7x40)	.063	1 1/2	47 W 620	.73	1.25	.....	.....	8.82	.....	.09

RUBBER-JACKETED SERVICE CORDS AND MULTIPLE CONDUCTOR CABLES

Cords and cables for appliances, power tools, P.A. systems, speakers, remote control circuits, etc. Max. rating: 300 v. at -60° C. Have rubber insulation; black rubber

jackets; color-coded, stranded copper conductors. *For price of continuous footage over 100', use PER FOOT column in table below. Specify desired footage.

Mfr's Type	U.L. Type	No. Cond.	AWG Stranding	Cond.	O. D. Inches	Wt., Lbs. per 100'	Stock No.	STANDARD SPOOLS*						PER FOOT	
								15'	25'	50'	100'	250'	500'		1000'
8452	SV	2	18(41x34)	Bare	.245	4	47 W 413	.96	1.47	2.45	4.36	10.14	20.24	38.95	.07
8478	SJ	2	18(41x34)	Bare	.299	5 1/2	47 W 400	.....	1.62	.....	5.29	13.23	.....	.....	.08
8472	SJ	2	16(65x34)	Bare	.325	6 1/2	47 W 502	.....	1.86	3.67	7.01	16.95	.....	.....	.09
8474	SJ	2	14(41x30)	Bare	.360	8	47 W 502	.....	.....	.....	8.82	20.54	.....	.....	.11
8453	SV	3	18(41x34)	Tinned	.265	5	47 W 423	1.18	.....	3.09	6.17	.....	30.87	.....	.09
8454	.....	4	18(41x34)	Tinned	.265	5 1/2	47 W 433	1.42	.....	3.67	7.06	.....	33.81	67.62	.11
8455	.....	5	3-20(26x34); 2-18(41x34)	Tinned	.280	5 1/2	47 W 443	.....	.....	7.35	18.37	.....	.....	.....	.12

POSSJ AND POT TYPE LAMP CORD

Two-conductor lamp cord with parallel No. 18 bare stranded copper conductors. Jackets are polarity ribbed. U.L. Approved. *For prices of

continuous footage over 100', use PER FOOT column in table. Specify footage.

Mfr's Type	Jacket	Color	U.L. Type	Wt., Lbs. per 100'	Stock No.	STANDARD SPOOLS*				PER FOOT	
						25'	100'	500'	1000'		
POSSJ	Rubber	Brown	SP-1	3	48 W 763	.73	2.70	5.00	9.40	17.50	.03
POSSJ	Rubber	Black	SP-1	3	48 W 773	.73	2.70	5.00	9.40	17.50	.03
POT	Vinyl Plastic	Brown	SPT-1	3	48 W 766	.63	2.70	3.40	6.30	11.90	.025
POT	Vinyl Plastic	Black	SPT-1	3	48 W 762	.63	2.33	3.40	6.30	11.90	.025
POT	Vinyl Plastic	Gray	SPT-1	3	48 W 782	.63	2.33	3.40	6.30	11.90	.025
POT	Vinyl Plastic	White	SPT-1	3	48 W 767	.63	2.33	3.40	6.30	11.90	.025

Be Sure to Specify Desired Footage on Your Order

Belden Wire and Cable

VINYL-COVERED PLASTIC-INSULATED CABLE



Top-quality chrome vinyl jacketed intercom cable with multiple, non-paired, plastic insulated conductors. Especially suited for permanent installation of speakers, control and intercom circuits, as well as other applications requiring a highly durable, lightweight cable. Conductors are made of flexible, tinned copper stranded wire, with color-coded vinyl plastic insulation, all cabled together and enclosed in an overall chrome vinyl plastic jacket. Types shown with an * have conductors which are all No. 22 stranded (7x30) wire. Types shown with an † have two conductors of No. 18 stranded (16x30) wire; the other conductors are No. 22 stranded. Types shown with an ‡ have conductors which are all No. 18 stranded (16x30). All types are waterproof, oil, weather and tear resistant. Cables are flexible and easily stripped. For price of continuous footage in odd lengths over 100 feet, use the "PER FT." price column in table below. Buy in standard spool lengths and save. Be sure to indicate footage desired on your order.

Mfr's Type	Stock No.	Cond.	O.D.	Lbs. 100 ft.	STANDARD SPOOLS					PER FT.
					15'	25'	100'	500'	1000'	
*8443	47 W 362	3	1.50"	2	...	.81	2.43	9.21	18.38	.04
*8444	47 W 372	4	1.68"	2 1/2	...	.96	3.24	12.15	24.26	.05
*8445	47 W 382	5	1.80"	2 1/2	...	1.14	3.63	14.70	28.05	.05
†8446	47 W 312	6	2.22"	4	1.03	5.29	22.79	45.57	08	...
†8447	47 W 322	7	2.46"	4 1/2	1.13	6.03	25.73	51.45	09	...
†8448	47 W 332	8	2.51"	4 1/2	1.18	6.27	28.67	57.33	09	...
†8449	47 W 342	9	2.61"	5	1.27	7.01	31.61	63.21	10	...
*8450	48 W 223	10	2.60"	5 1/2	...	6.91	32.34	64.68	08	...
*8451	48 W 225	12	2.60"	5 1/2	...	7.35	34.56	69.09	09	...
†8465	48 W 227	5	2.72"	5 1/2	...	5.88	27.20	53.90	07	...
†8467	48 W 229	7	3.20"	5 1/2	...	7.64	36.02	72.03	09	...
†8469	48 W 233	9	3.75"	5 1/2	...	10.00	47.78	95.55	12	...

SHIELDED P.A. AND SOUND SYSTEM CABLE



Variety of gauges, insulations, shieldings and jackets for PA and intercom use. All have enameled copper conductors except 8799 enameled copper. *Polyethylene insulated conductors, aluminum "Mylar" wrapped shield, stranded tinned copper ground wire. †Chrome vinyl jacket. ‡Spiral-wrapped tinned shield. †Braid tinned shield. †Vinyl insulated conductors. 8432 has rubber insulated conductors with cotton braid. 8799 has cotton wrap, braided. No. 22 stranded conductors; 8761, 8771 (7x30), No. 20 stranded; 8432 (10x30), 8762, 8772 (7x28), No. 18 stranded; 8760, 8770 (16x30), 8789, 8790, 8791 (7x26), No. 18 solid; 8799, No. 22 solid; 8731, No. 16 stranded; 8779, 8780 (19x29). For price of continuous footage over 100', use "PER FT." price—state desired footage.

Mfr's Type	Stock No.	Cond.	O.D.	Lbs. 100 ft.	PER FT.	STD. SPOOLS		
						100'	500'	1000'
8432†	48 W 884	2	.225"	3 1/2	.075	28.67	57.33	...
†8731†	48 W 000	3	.178"	2 1/2	.04	13.97	27.93	...
†8761†	48 W 753	2	.222"	3	.05	18.38	36.75	...
†8762†	48 W 809	3	.267"	3 1/4	.04	11.76	23.52	...
8770†	48 W 755	3	.235"	3 1/4	.06	23.16	46.31	...
8771†	48 W 756	3	.246"	3 1/2	.035	14.70	29.40	...
8772†	48 W 757	3	.220"	3	.045	18.38	36.75	...
8779†	48 W 814	2	.200"	4 1/2	.06	24.26	48.51	...
8780†	48 W 815	2	.266"	5	.07	26.46	52.92	...
8789†	48 W 865	2	.205"	3	.05	18.96	37.93	...
8790†	48 W 803	2	.231"	4	.05	4.36	19.60	39.20
8791†	48 W 804	3	.236"	4 1/4	.06	5.29	24.70	49.39
8799†	48 W 885	2	.165"	3	.05	21.32	42.63	...

UNSHIELDED P.A. AND SOUND SYSTEM CABLE

High-quality cable for PA and intercom installations, speaker extensions, alarm systems, etc. High insulation resistance and precision cabling vinyl insulated, untinned conductors, except † and ‡ which are tinned. All have outer jackets of chrome vinyl, except 8794 which has rose-gray vinyl jacket and 8481, 8482, 8460, 8470 and 8492 which are twisted pair types without jacket. 8483 and 8493 are cabled and without jacket. †Solid copper conductors. ‡Stranded (7x26). †Stranded (10x30). †Stranded (19x29). For price of continuous footage over 100', use "PER FT." price—state desired footage.

Mfr's Type	Stock No.	Cond.	Wire Size	O.D.	Lbs. 100 ft.	PER FT.	STD. SPOOLS		
							100'	500'	1000'
8481*	48 W 758	2	22	1.12"	1	.015	1.25	4.56	8.82
8794*	47 W 010	3	22	1.68"	1 1/2	.03	...	9.19	18.38
8205†	47 W 020	2	19	1.15"	1 1/2	.04	2.45	9.56	18.77
8482*	48 W 878	2	19	1.15"	1 1/2	.02	1.57	5.73	11.43
8483*	48 W 879	3	19	1.32"	1 1/2	.025	1.91	8.09	16.17
8486*	48 W 805	2	19	1.62"	2	...	...	8.82	17.64
8487*	48 W 806	3	19	1.80"	2 1/2	.025	...	11.32	22.64
8492†Bm.	47 W 011	2	19	1.70"	1 1/2	.02	1.76	7.01	13.62
8492 Wh.	47 W 012	2	19	1.70"	1 1/2	.02	1.76	7.01	13.62
8493*	47 W 013	3	19	1.70"	2 1/4	.03	...	...	20.58
8460†	48 W 816	2	18	1.75"	1	.03	2.21	9.70	18.82
8470†	48 W 817	2	18	2.26"	3	.04	3.09	13.52	26.46
8471†	48 W 819	2	16	1.95"	2 1/4	.035	...	11.76	23.52
8473†	48 W 824	2	16	1.32"	6	.065	...	1.76	35.52

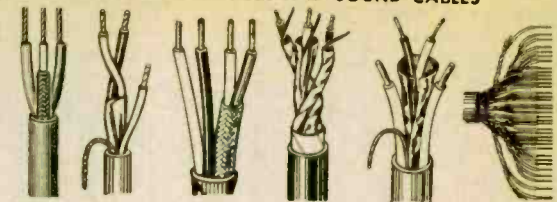
2-CONDUCTOR SHIELDED INTERCOM CABLE



All have vinyl plastic insulation, jackets except 8738 and 8758 which have copper braid jackets. Tinned conductors. †Tinned copper spiral-wrapped shield. ‡Black/red coding. 8737 is No. 22 stranded (7x30); 8758, 8759 are No. 20 stranded (7x28); 8738, 8739 are No. 22 solid. For price of continuous footage over 100', use "PER FT." price—state desired footage.

Mfr's Type	Stock No.	O.D.	Lbs. 100 ft.	PER FT.	STANDARD SPOOLS		
					100'	500'	1000'
8737*	48 W 877	1.70"	2 1/4	.04	3.33	13.23	26.46
8738*	48 W 882	1.30"	2	.03	2.50	10.29	20.58
8758*	48 W 801	1.65"	2 1/2	.035	2.94	13.62	27.20
8759*	48 W 802	1.95"	2 1/2	.05	3.68	16.91	33.81
8739*	48 W 883	1.60"	2 1/4	.035	2.89	11.03	22.05

SPECIAL INTERCOM AND SOUND CABLES



8734 8763 8732 8733 8722 8792
 Type 8734. 3 vinyl insulated cond.; tinned copper shield on one, other 2 unshielded. Chrome vinyl jacket overall. Wt., 100 ft., 2 1/4 lbs.
 Type 8763. 3 polyethylene insulated cond.; aluminum-"Mylar" shield over 2 cond.; 1 unshielded. No. 20 stranded copper wire. Chrome vinyl jacket overall. Shpg. wt., 100 ft., 3 1/4 lbs.
 Type 8732. 4 polyethylene insulated cond.; 1 pair tinned copper shielded, 1 pair unshielded. Chrome vinyl plastic jacket. "Mylar" shielded.
 Type 8733. 3 conductors separately aluminum-"Mylar" shielded. Ground wire tinned cadmium-bronze. "Beldfoil Z" fold. 100 ft., 2 1/2 lbs.
 Type 8722. 4 vinyl ins. cond.; 2 shielded with aluminum-"Mylar" wrapping; 2 unshielded. Tinned ground; chrome vinyl jacket. 100 ft., 4 1/2 lbs.
 Type 8792. Telephone cable. 13 sets of vinyl insulated triplet conductors—each triplet color-coded. Chrome vinyl jacket. 100 ft., 36 1/2 lbs.
 Type 8793. As above, but 27 triplet sets. Wt., 100 ft., 17 1/2 lbs.
 For price of continuous footage over 100', use "PER FT." price—state desired footage.

Mfr's Type	Stock No.	Cond.	AWG Stranding	O.D.	PER FT.	STD. SPOOLS		
						100'	500'	1000'
8734	48 W 875	3	22 (7x30)	.194	.045	3.68	16.17	31.61
8763	49 W 840	3	20 (7x28)	.210	.05	4.36	17.64	35.58
8732	48 W 897	4	22 (7x30)	.188	.055	4.41	20.94	41.90
8733	48 W 235	3	22 (7x30)	.225	.045	3.68	15.81	31.61
8722	47 W 021	4	20 (7x28)	.260	.06	5.30	23.52	47.04
8792	47 W 022	13	Solid	.540	.30	24.99	124.95	249.90
8793	47 W 023	27	Solid	.770	.563	...	...	...

PAIRED VINYL UNSHIELDED CABLE

For intercom and telephone wiring. No. 22 solid tinned copper except *No. 22 stranded (7x30) color-coded vinyl plastic insulation. Conductors cabled in twisted pairs; Vinyl plastic insulation for high dielectric strength. For price of continuous footage over 100', use "PER FT." price—state desired footage.

Mfr's Type	Stock No.	Cond.	O.D.	Lbs. 100 ft.	PER FT.	STANDARD SPOOLS		
						100'	500'	1000'
8442*	48 W 236	2	1.65"	1 1/2	.02	...	8.09	16.17
8740	48 W 890	2	2.10"	1 1/2	.02	1.76	6.47	12.50
8741	48 W 891	4	2.50"	2 1/2	.055	2.89	11.76	22.79
8742	48 W 892	6	2.40"	3 1/2	.05	3.82	16.17	32.61
8757	48 W 759	8	2.55"	4	.05	...	20.22	40.43
8743	48 W 893	12	3.05"	4 1/4	.07	5.88	27.20	54.39
8747*	47 W 030	12	3.40"	5 1/2	.10	8.09	36.75	73.50
8748	48 W 894	18	3.54"	6 1/2	.095	7.94	37.88	75.71
8749	47 W 032	18	3.89"	8	.14	11.17	52.92	105.84
8753	48 W 898	28	3.84"	8	.13	10.73	51.45	102.90
8754	49 W 845	26	4.00"	11	.15	12.15	58.07	116.13
8745	48 W 895	30	4.20"	10	.15	13.67	66.35	130.83
8755	49 W 846	38	4.80"	15	.28	22.79	105.84	211.68
8756	49 W 847	46	5.10"	17 1/2	.28	...	...	...
8746	48 W 896	54	5.50"	17	.243	...	...	...
8750*	47 W 036	54	5.95"	20 1/2	.331	...	...	...
8751	48 W 776	102	7.45"	33	.72	...	...	...

SHIELDED SOUND SYSTEM CABLE

All have copper shielded, #18 stranded cond., cotton or paper wrapped, rubber insulation (except 8735, #22 stranded cond., plastic insulation). 8209 in weatherproof cotton jacket; 8208, 8735 plastic; 8206 is shielded hookup wire with copper braid. For price of continuous footage over 100 ft., use "PER FT." column. State desired footage.

Mfr's Type	Stock No.	Cond.	O.D.	Lbs. 100 ft.	PER FT.	STANDARD SPOOLS		
						100'	500'	1000'
8206	47 W 933	1	1.56"	2 1/2	.73	1.99	3.53	7.74
8208	47 W 934	2	2.10"	4	1.15	3.19	5.83	...
8209	47 W 849	2	1.58"	3	...	...	24.99	49.98
8735	48 W 874	3	1.99"	3	.85	2.25	4.21	24.99

RG TRANSMISSION CABLE

Have low-loss, flexible polyethylene inner jackets covered with copper braid shield. All have silver-coated copper shield. †Solid copper; others are stranded. For price of continuous footage over 100', use "PER FT." price—state desired footage.

RG No.	Mfr's Type	Stock No.	Imp.	Mm/ft.	O.D.	Lbs. 100 ft.	PER FT.	STANDARD SPOOLS		
								100'	500'	1000'
5A/U	8264	49 W 891	50	28.5	.328"	9.2	.30	120.54	241.08	...
8/U	8237	47 W 511	52	29.5	.405"	12	.145	56.60	113.19	...
213/U	8267	49 W 892	50	28.5	.405"	11 1/4	.175	69.83	139.65	...
9/U	8242	47 W 512	51	30.0	.420"	13 1/4	.35	29.40	288.12	...
11/U	8238	47 W 513	75	20.5	.405"	11	.13	10.98	50.72	101.43
11A/U	8261	49 W 893	75	20.5	.405"	10	.17	14.26	64.68	129.36
58A/U	8259	47 W 516	53.5	28.5	.193"	3 1/2	.085	4.85	21.32	42.63
58C/U	8262	47 W 517	50	28.5	.195"	3 1/2	.08	4.95	21.32	42.63
58C/U	8262	49 W 895	50	28.5	.195"	3	.07	...	24.99	49.98
59/U	8241*	47 W 522	73	21	.242"	4 1/2	.095	5.68	23.03	46.06
59B/U	8263	49 W 896	75	20.5	.242"	4	.09	...	26.46	52.92
62/U	8254*	47 W 518	93	13.5	.242"	4	.075	6.03	24.50	49.00

MIL-W-76A SRIR THERMOPLASTIC HOOK-UP WIRE

Heavy-duty, thermoplastic insulated hook-up wire. Rated 1000 v. rms. Meet MIL specs. Have tinned copper conductors. .017" thick insulation. Available in: black, brown, red, orange, yellow, green, blue, violet, gray, and white (except 8520 and 8527, not available in violet or gray). Specify choice. Av. shpg. wt., 25-ft. spool, 6 oz.; 100-ft. spool, 1 lb.; 1000-ft. spool, 5 1/2 lbs.



25-FOOT SPOOLS—SPECIFY COLOR

Stock No.	Mfr's Type	Size	Strands	O. D.	NET EACH
47 TT 214	8530	22	Solid	.059"	.35
47 TT 215	8524	22	7x30	.064"	.38
47 TT 216	8529	20	Solid	.066"	.43
47 TT 217	8523	20	10x30	.070"	.47
47 TT 109	8522	18	16x30	.080"	.47

100 AND 1000-FOOT SPOOLS—SPECIFY COLOR

Mfr's Type	Size	Strands	O. D.	100' SPOOL		1000' SPOOL	
				No.	EACH	No.	EACH
8525	24	7x32	.058"	47 TT 244	.92	47 TT 245	5.14
8530	22	Solid	.059"	47 TT 218	.73	47 TT 222	4.41
8524	22	7x30	.064"	47 TT 219	.91	47 TT 223	5.73
8529	20	Solid	.066"	47 TT 220	.94	47 TT 224	5.29
8523	20	10x30	.070"	47 TT 221	1.03	47 TT 225	7.01
8522	18	16x30	.080"	47 TT 110	1.21	47 TT 111	8.92
8528	18	Solid	.074"	47 TT 112	1.13	47 TT 113	7.35
8531	16	Solid	.085"	47 TT 246	1.32	47 TT 247	9.95
8521	16	26x30	.098"	47 TT 114	1.55	47 TT 115	11.61
8520	14	41x30	.111"	47 TT 116	1.99	47 TT 117	16.90
8527	12	65x30	.130"	47 TT 118	2.79	47 TT 119	23.52

POPULAR ANTENNA WIRE

High conductivity copper antenna wire. Ideal for all receiving and transmitting antenna requirements. Maximum tensile strength assures minimum stretch. *Formvar insulation protects wire from corrosion. Av. shpg. wt., per 100-ft. coil, 1 lb. Supplied only in spool lengths shown below.



STRANDED BARE COPPER

Type 8000—7x22			Type 8002—7x24		
Stock No.	Spool	NET	Stock No.	Spool	NET
47 T 680	75 ft.	.81	47 T 654	50 ft.	.59
47 T 681	50 ft.	1.11	47 T 655	75 ft.	.73
47 T 682	100 ft.	1.42	47 T 656	100 ft.	.96
47 T 683	1,000 ft.	13.23	47 T 657	1,000 ft.	8.82

SOLID *FORMVAR-INSULATED COPPER

Type 8008 No. 12			Type 8009 No. 14		
Stock No.	Spool	NET	Stock No.	Spool	NET
47 T 670	100 ft.	2.50	47 T 740	100 ft.	1.70
47 T 735	200 ft.	4.56	47 T 742	200 ft.	3.23
47 T 736	500 ft.	10.68	47 T 744	500 ft.	7.20

INDOOR AERIAL WIRE

Type 8014, Extra flexible. No. 25 stranded (13x36), tinned copper conductor, with chrome vinyl plastic insulation. O.D., .044". Shpg. wts.: 25-ft. spool, 2 oz.; 500-ft. spool, 2 lbs.

47 T 930, 25-ft. spool. NET .37 47 T 933, 500-ft. spool. NET 2.65

NYLCLAD HEAVY MAGNET WIRE

Type HNC. This heavy-duty Nylonclad copper magnet wire combines the most desirable features of Formvar wire with the toughness and solvent resistance of nylon enamel. Unexcelled for difficult and exacting windings of any type. Outstanding features: withstands winding abuse and forming operations; resists solvent action of all types of thinners; resists softening and brittleness at extreme temperatures; infinite moisture resistance.



1/2 lb. Spool				1 lb. Spool			
Stock No.	Size	Foot	NET	Stock No.	Size	Foot	NET
48 T 036	14	40	.67	48 T 085	14	80	1.15
48 T 037	16	63	.67	48 T 087	16	126	1.15
48 T 038	18	100	.67	48 T 088	18	199	1.18
48 T 039	20	157	.67	48 T 089	20	315	1.22
48 T 040	22	250	.71	48 T 090	22	501	1.28
48 T 041	24	396	.75	48 T 091	24	793	1.35
48 T 042	26	630	.81	48 T 092	26	1260	1.49
48 T 043	28	995	.88	48 T 093	28	1990	1.62
48 T 044	30	1570	1.02	48 T 094	30	3140	1.84
48 T 045	32	2440	1.09	48 T 095	32	4880	2.02
48 T 046	34	3930	1.25	48 T 096	34	7860	2.35
48 T 047	36	6200	1.53	48 T 097	36	12400	2.94
48 T 048	38	9700	1.81	48 T 098	38	19400	3.75
48 T 049	40	16050	2.75	48 T 099	40	32100	5.52

DUPLEX LIGHTING CABLE

Weatherproof 2-conductor stranded lighting cables for outdoor use only. Ideal for extending power lines to yard, garden, garage, barn, etc. Consist of two stranded, tinned copper, vinyl insulated conductors; one conductor brown vinyl, the other, red vinyl, running parallel through an oval-shaped, chrome vinyl outer jacket of .022" thickness. 8677 is No. 16 AWG (19x25); O.D., .165x.276". 8675 is No. 14 AWG (19x27); O.D., .189x.326". 8673 is No. 12 AWG (19x25); O.D., .213x.384". Av. shpg. wt., per 100 ft., 5 lbs.



Stock No.	Type	Per ft.	100 ft. Spool	500 ft. Spool
47 W 405	8677	.07	5.59	26.46
47 W 415	8675	.09	7.30	33.81
47 W 425	8673	.11	9.11	44.10

TEST PROD WIRE

Rubber-covered lead designed for use with test equipment. Made to withstand extremely high voltages. No. 18 conductor is 65x30 stranded tinned copper with cotton wrapping. Type 8898 has .230" O.D. and .088" rubber insulation, 10,000 v. working voltage. 29,000 v. puncture voltage. Type 8899 has .144" O.D. and .045" rubber insulation, 5000 v. working voltage, 20,000 v. puncture voltage. Shpg. wt. per 100 ft.: 8898, 4 lbs.; 8899, 2 lbs. Lengths under 100 ft. are available only in 10 and 25-ft. spool sizes.



TYPE 8898

Stock No.	Color	Length	EA.
47 T 811	Red	10 ft. spool	.71
47 T 801	Black	10 ft. spool	.71
47 T 812	Red	25 ft. spool	1.25
47 T 802	Black	25 ft. spool	1.25
47 T 810	Red	100 ft. spool	3.53
47 T 800	Black	100 ft. spool	3.53
47 W 813	Red	500-ft. Spool	16.02
47 W 803	Black	500-ft. Spool	16.02

TYPE 8899

Stock No.	Color	Length	EA.
48 T 911	Red	10 ft. spool	.47
48 T 901	Black	10 ft. spool	.47
48 T 912	Red	25 ft. spool	.81
48 T 902	Black	25 ft. spool	.81
48 T 910	Red	100 ft. spool	2.35
48 T 900	Black	100 ft. spool	2.35
48 W 913	Red	500-ft. Spool	9.95
48 W 903	Black	500-ft. Spool	9.95

NEW COILED TEST PROD CABLE

Pair of tinned copper cables: red and black rubber insulation. Retract to 8-in., stretch up to 5-feet. Stranded copper conductors. No. 20 AWG (42x36) Cable is .170" O.D.; Handles 5000 v. working voltage; 20,000 v. breakdown v. test. Wt. 4 oz. per pair. 47 T 037, Type 8878. With prods. NET PER PAIR .96 47 T 050, Type 8879. Without prods. NET PER PAIR .96



COPPER BRAID SHIELDING AND BONDING CABLE

Flexible, braided and tinned copper for shielding conductors and cables. Useful for forming TVI-proof, metal-to-metal bonding. Braided in tubular form for easy slip-on installation over wirings. Av. shpg. wt., per 50 ft., 1 1/2 lbs.



Mfr's Type	I. D.	Stranding	10 ft. Spool		50 ft. Spool		250 ft. Spool	
			Stock No.	NET	Stock No.	NET	Stock No.	NET
8660	1 1/2"	96x34	49 T 351	.50	49 T 350	1.47	47 T 060	6.61
8668	1 1/8"	120x34	49 T 356	.68	49 T 355	2.02	47 T 061	9.32
8663	1 1/4"	160x34	49 T 361	.67	49 T 360	2.30	47 T 062	10.29
8661	3/8"	192x34	49 T 366	1.11	49 T 365	5.39	47 T 063	24.40
8669	1 1/2"	336x34	49 T 381	1.55	49 T 380	6.91	47 T 064	33.81
8662	3/4"	576x34	49 T 842	.59	49 T 843	1.86	47 T 065	8.08

JUKE BOX CABLE

All have vinyl inner insulation, vinyl outer jacket and stranded, color-coded tinned copper conductors. 8783 oval has 3 conductors: 1—#20, 2—#16. 8785 oval has 5—#22 conductors; 3 twisted under a shield, 2 twisted unshielded. 8786 oval has 6 conductors: 4—#24 twisted under a shield, 2—#22 twisted, unshielded. 8787 has 10 conductors: 2 groups of 4—#24 gauge, each group twisted under a separate shield, and 2 conductors #22 unshielded. (All shields are tinned copper braids.)



Mfr's Type	Stock No.	O. D.	Wt., 100 ft.	NET Per ft.	100 ft. Spool	500 ft. Spool
8783	48 W 867	.250"	4 lbs.	.055	4.41	20.58
8785	48 W 869	.211x.316"	4 lbs.	.06	5.64	24.26
8786	48 W 864	.211x.316"	4 lbs.	.07	5.64	27.20
8787	48 W 827	.330"	7 lbs.	.23	16.95	91.88

TYPE 8782 JUKE BOX SPEAKER CABLE

Has 2 parallel conductors #24 gauge, 7x32 stranded—1 tinned, 1 bare. Vinyl insulation, chrome vinyl jacket. .058x.115" O.D., 100 ft., 10 oz. 48 T 848, 25-ft. Spool. NET .52 48 T 828, 50-ft. Spool. NET .76 48 T 829, 100-ft. Spool. NET 1.21 47 T 051, 500-ft. Spool. NET 4.41 47 T 052, 1000-ft. Spool. NET 8.82



TYPE 8885 SHIELDED GRID WIRE

Single conductor #20 stranded (10x30) tinned copper conductor; .015" rubber insulation; cellulose acetate yarn braid; lacquered, tinned copper braid shield. Break-down voltage, 4000 volts. O.D., .117". Shpg. wt., 100 ft., 1 1/4 lbs. Available only in lengths shown. 47 T 791, 15-ft. Spool. NET 3.09 47 T 792, 25-ft. Spool. NET 1.00 47 T 790, 100-ft. Spool. NET 3.09 47 T 053, 500-ft. Spool. NET 14.33



ASSORTED WIRE KITS

Type 8822. Contains ten 25-ft. spools of Type 8529 hook-up wire and a convenient dispenser rack. Colors: black, blue, green, red, white, yellow, orange, brown, gray, and violet. Shpg. wt., 2 1/2 lbs. 47 T 226, NET 4.31

Type 8824. Contains eight 25-ft. spools of Type 8523 hook-up wire and a dispenser rack. Colors: black, blue, green, red, white, yellow, orange, brown. Shpg. wt., 2 1/4 lbs. 47 T 227, NET 3.76

Type 8818, 8—25-ft. spools of 8941 No. 20 solid, cellulose acetate hook-up wire. With dispenser. Black, blue, green, red, white, yellow, orange, brown. Shpg. wt., 2 lbs. 47 T 228, NET 4.94

Type 8820. Contains 8—25-ft. spools of 8943 No. 20 stranded (10x30) cellulose acetate hook-up wire and dispenser in same colors as above. 2 lbs. 47 T 229, NET 4.94



Coaxial Cable, Lacing Cords, Insulation Tubing

AMPHENOL RG COAXIAL CABLE



Low-loss coaxial cable for RF applications. All meet rigid military and commercial specs. Have vinyl jacket and polyethylene dielectric except Teflon dielectric. Teflon types operate at temperature ranges from -74 to +200°C., making them ideal for aircraft and guided missile applications. All are highly resistant to weather, acids, alkalis, and gasoline. Have low moisture absorption qualities.

Stock No.	RG No.	Imp. Ohms	Mmf Per Ft.	O.D.	Lbs. 100'	1-99 Ft. PER FT.	100-499 Ft. PER FT.	500-999 Ft. PER FT.
49 W 460	8/U	52	29.5	.405"	12	.128	.119	.119
49 W 315	8A/U	52	29.5	.405"	12	.142	.132	.132
49 W 470	11/U	75	20.5	.405"	12	.119	.110	.110
49 W 376	17/U	52	29.5	.870"	47	.637	.583	.525
49 W 485	58/U	53.5	28.5	.195"	3	.053	.049	.049
49 W 487	58A/U	50	28.5	.195"	3	.053	.049	.049
49 W 319	58C/U	50	28.5	.195"	3	.058	.054	.054
49 W 490	59/U	73	21	.242"	4 1/2	.055	.051	.051
49 W 638	49/U	53	24 1/2	.4"	4	.063	.059	.059
49 W 488	62/U	93	13.5	.242"	1 1/2	.058	.054	.054
49 W 312	63/U	125	10	.405"	12	.142	.130	.130
49 W 473	174/U	50	30	.100"	2	.052	.048	.048

Stock No.	RG No.	Imp. Ohms	Mmf Per Ft.	O.D.	Lbs. 100'	1-99 Ft. PER FT.	100-499 Ft. PER FT.
49 W 636	115A/U	50	29.5	.415"	18	2.080	1.870
49 W 193	178A/U	50	29	.075"	1	.240	.220
49 W 194	179A/U	75	19.5	.105"	1	.275	.247
49 W 195	180/U	93	15.5	.141"	1 1/2	.430	.390
49 W 643	210/U	93	13.5	.242"	4	1.170	1.050

"SUB-MINAX" MINIATURIZED COAXIAL CABLE

Type 21-597. Identical to full-size coaxial cable. Has polyethylene dielectric vinyl jacket, braided copper shield, and stranded copper-weld inner conductor. 7x.0056" construction. Imp., 75 ohms; capacitance, 20 mmf per ft. .150" O.D. Shpg. wt., 100'. 1 1/2 lbs. 1-99 Ft., PER FT. .053 1-99 Ft., PER FT. .058

49 W 472. 100-499 Ft., PER FT. .053 1-99 Ft., PER FT. .058

POLYFOAM COAX AND MICROPHONE CABLE

Type 21-146 is microphone cable with polyethylene dielectric. Types 621-100, 621-111 and 621-715 are similar to types RF11/U, RG8/U and RG59/U respectively, but have polyfoam dielectric.

Stock No.	Mfr's Type	Imp. Ohms	Mmf Per Ft.	O.D.	Lbs. 100'	1-99 Ft. PER FT.	100-499 Ft. PER FT.
49 W 313	21-146	45	35	.155"	2	.049	.045
49 W 337	621-100	75	16.5	.405"	8	.144	.132
49 W 339	621-111	73	17	.195"	2	.050	.045
49 W 644	621-715	50	26.5	.405"	10.4	.156	.143

BELDEN LITZ WIRE

Type 8817. 5x44 stranded copper C-enamel insulated with one nylon wrap. coils. LF coils, and similar radio frequency applications. Outside diameter: .008". 100-ft. spool. Shpg. wt., 2 oz.

48 T 981. NET .29

VARNISHED SPAGHETTI TUBING



ASSORTED 8" LENGTHS

Highly popular with servicemen experimenters and builders. An assortment of 26 pieces of vinyl and cambic spaghetti tubing in various colors and diameters. Shpg. wt., 3 oz.

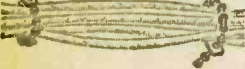
49 T 220. 26-Piece Assortment. NET .39

SELECTION OF 36" LENGTHS

5 lengths to a package. 4,000 v. dielectric. Av. shpg. wt., 2 oz.

For Wire Size	Stock No.				Per Pkg.	5 or More Pkgs. Per Pkg.
	Black	Yellow	Red	Green		
20	49 T 164	49 T 165	49 T 166	49 T 167	.53	.48
18	49 T 169	49 T 170	49 T 171	49 T 172	.57	.52
16	49 T 174	49 T 175	49 T 176	49 T 177	.58	.53
14	49 T 179	49 T 180	49 T 181	49 T 182	.64	.58
12	49 T 184	49 T 185	49 T 186	49 T 187	.68	.62
10	49 T 189	49 T 190	49 T 191	49 T 192	.75	.68

GENERAL-CEMENT CABLE TIES



Made of high dielectric polyethylene with 45 lb. breaking point. Designed to withstand temperatures of up to +120° F. Each is 4 1/4" long. Will make neat, compact harnesses as large as one inch in diameter. Shpg. wt., 2 oz. 60 per pkg.

Stock No.	Type	Color	PER PKG.	Stock No.	Type	Color	PER PKG.
49 T 142	34-432	Red	.61	49 T 144	34-436	Yellow	.61
49 T 143	34-440	Blue	.61				

STRANCO WIRE MARKERS

Flat Stran Code markers. Consist of 33 numerical markers (1/4x1 1/2") per card in numerical sequence from 1 through 33. On cloth or .003" soft aluminum. Pressure sensitive adhesive. Heat resistant. Card size: cloth, 2x9"; aluminum, 1/2x1 1/2". Shpg. wt., 3 oz.

49 T 898. Cloth. 10-49, EACH .24 1-9, PER CARD .28

49 T 899. Aluminum. 10-49, EACH .25 1-9, PER CARD .29

CABLE LACING CORD

Waxed linen twine. Hard-twist gray 8-cord; 50-lb. test. 1-lb. spool. 450 yds.; 1/2-lb. spool. 225 yds. Shpg. wt.: 1-lb. spool. 1 1/4 lbs.; 1/2-lb. spool. 3/4 lb.

49 T 245. 1-lb. Spool. NET .318

49 T 246. 1/2-lb. Spool. NET .168

ALPHLEX FIT-275 SHRINKABLE TUBING (Specify Color)



All-purpose tubing supplied expanded at "Min. I.D." size. Shrinks to recovered inside diameter within 8 seconds, when heated, to form permanent, tight-fitting bond. Use soldering iron, match or heat-gun below to heat. For jackets, oils. In choice of 2 sizes; 6" and 4-ft. lengths. Packed one size and one color to a box. Available in black, red, white and yellow—specify color. Av. wt. per 100 ft., 1 lb.

Wire Size	Min. I.D.	Recov. I.D.*	Nom. Wall Thickness	Stock No.	6' Lgths. PER BOX	PER BOX	Stock No.	4' Lgths. PER BOX	PER BOX
24	.050"	.027"	.012"	48 TT 000	40		48 TT 117	25	16.00
22	.055"	.032"	.012"	48 TT 001	36		48 TT 118	25	16.70
20	.060"	.039"	.016"	48 TT 002	34	3.75	48 TT 119	25	17.50
18	.075"	.049"	.016"	48 TT 003	32		48 TT 120	25	19.15
16	.093"	.061"	.016"	48 TT 004	30		48 TT 121	25	20.75
14	.120"	.072"	.016"	48 TT 005	28		48 TT 122	25	22.70
12	.153"	.089"	.016"	48 TT 006	24		48 TT 123	25	24.90
10	.191"	.112"	.016"	48 TT 007	20		48 TT 124	25	27.25
8	.240"	.141"	.020"	48 TT 008	18	3.75	48 TT 125	25	31.80
6	.302"	.178"	.020"	48 TT 009	18		48 TT 126	25	34.30
4	.378"	.224"	.020"	48 TT 010	16		48 TT 127	25	37.30

BLACK ONLY

Wire Size	Min. I.D.	Recov. I.D.*	Nom. Wall Thickness	Stock No.	6' Lgths. PER BOX	PER BOX	Stock No.	4' Lgths. PER BOX	PER BOX
2	.430"	.275"	.020"	48 TT 011	12		48 TT 128	5	8.20
3/16"	.500"	.334"	.025"	48 TT 012	10		48 TT 129	5	8.92
1/4"	.635"	.399"	.025"	48 TT 013	10	3.75	48 TT 130	5	11.11
5/16"	.787"	.462"	.025"	48 TT 014	8		48 TT 131	5	14.09
3/8"	.982"	.551"	.025"	48 TT 015	6		48 TT 132	5	16.30
1/2"	1.180"	.655"	.030"	48 TT 016	6		48 TT 133	5	19.40
5/8"	1.365"	.786"	.035"	48 TT 017	4	3.75	48 TT 134	5	23.90
3/4"	1.655"	.911"	.035"	48 TT 018	4		48 TT 135	5	27.30
7/8"	1.935"	1.036"	.035"	48 TT 019	4		48 TT 136	5	32.21



Model HG-1 Heat Gun. Powerful centrifugal-type blower with heating element provides heat for easy and quickly shrinking above Alphlex tubing. Has triangular base for bench use or may be hand held. Has on-off switch on handle. For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.

48 T 576. NET .4125

ALPHLEX PVC-105 PLASTIC TUBING (Specify Color)



Extruded plastic tubing for protection of wire and cable from effects of heat, oil, corrosion, fungi, etc. Resists temperatures from -30° C. to 105° C. Conforms to military specifications MIL-L-631C, ASTM-D876, and ASTM-D922. Rated at 800 volts; resistance, over 1 million megohms. Tensile strength, 2500 P.S.I. Sizes 24 and 32. 012" wall thickness; others, 016". In clear, black, red, yellow, green, blue, brown, white, and orange—specify color. Av. shpg. wt., 100 ft., 5 oz.

Size	Nom. I.D.	25-Ft. Coil		100-Ft. Coil			
		Stock No.	NET EACH	Stock No.	1-9. EACH	10-49. EACH	50-Up. EACH
24	.022"	71 TT 300	.65	71 TT 307	1.61	1.30	1.08
22	.027"	71 TT 301	.66	71 TT 308	1.62	1.31	1.09
20	.034"	71 TT 302	.67	71 TT 309	1.66	1.35	1.11
18	.042"	71 TT 303	.68	71 TT 310	1.73	1.38	1.14
16	.053"	71 TT 304	.71	71 TT 311	1.85	1.46	1.21
14	.066"	71 TT 305	.75	71 TT 312	1.99	1.54	1.28
12	.085"	71 TT 306	.79	71 TT 313	2.14	1.66	1.38

Tubing as above. Size 10, 016" wall thickness; all other sizes, .020" Available in choice of six popular colors: clear, black, red, yellow, green, and white—specify color. Av. shpg. wt., 100 ft., 10 oz.

Size	Stock No.	NET EACH	Stock No.	1-9. EACH	10-49. EACH	50-Up. EACH	
10	.106"	71 TT 314	.83	71 TT 319	2.31	1.85	1.55
8	.133"	71 TT 315	1.10	71 TT 320	3.39	2.66	2.23
6	.166"	71 TT 316	1.23	71 TT 321	3.02	2.42	2.01
4	.208"	71 TT 317	1.40	71 TT 322	4.58	3.47	2.84
2	.263"	71 TT 318	1.59	71 TT 323	5.34	4.00	3.32

Wall thicknesses, size 0, .020"; .025"; .030"; .035". Choice of clear or black—specify. Av. wt., 100', 5 lbs.

Size	Stock No.	NET EACH	Stock No.	1-9. EACH	10-49. EACH	50-Up. EACH	
0	.330"	71 TT 324	1.81	71 TT 335	6.23	4.64	3.89
3/16"	.312"	71 TT 325	2.11	71 TT 336	7.44	5.54	4.64
1/4"	.375"	71 TT 326	2.40	71 TT 337	8.59	6.41	5.49
5/16"	.500"	71 TT 327	2.91	71 TT 338	10.64	8.07	6.87
3/8"	.625"	71 TT 328	4.08	71 TT 339	15.30	11.73	9.83
1/2"	.750"	71 TT 329	5.53				

ALPHLEX ELECTRONIC LACING TAPES



High-quality flat lacing tapes in assorted colors. Designed to meet the most stringent military requirements. .014" thick, except LC-134, .010". *MIL T713A, Type P. Class II. Shpg. wtd.: 200-yd. spool, 8 oz.; 500-yd., 1 lb.

BRAIDED NYLON—200-YARD SPOOLS

Stock No.	Mfr's Type	Color	Width	Tensile Strength	NET EACH
49 T 978	LC137	White	1/4"	145 lbs.	5.84
49 T 979	LC137	Black	1/4"	145 lbs.	6.08

BRAIDED NYLON—500-YARD SPOOLS

Stock No.	Mfr's Type	Color	Width	Tensile Strength	NET EACH
49 T 980	LC136*	White	3/8"	52 lbs.	7.89
49 T 981	LC136*	Black	3/8"	52 lbs.	8.51
49 T 982	LC136*	White	1/2"	52 lbs.	5.06
49 T 983	LC134	Black	1/2"	52 lbs.	5.67

BRAIDED DACRON—500-YARD SPOOLS

Stock No.	Mfr's Type	Color	Width	Tensile Strength	NET EACH
49 T 984	LC162	White	3/8"	50 lbs.	7.89
49 T 985	LC162	Black	3/8"	50 lbs.	8.51

TV Tube, Telephone, Pickup Arm, Hook-Up Wire and Cable

BELDEN CATHODE-RAY TUBE CABLE

High dielectric, corona resistant, minimum surface leakage CRT cables. No. 22 (7x30) tinned copper, polyethylene insulated, 8868 has red vinyl jacket; rated 25,000 v. working; 50,000 v. breakdown. 8869 has black vinyl jacket; rated 17,000 v. working; 35,000 v. breakdown.

Mfr's Type	Insulation	O. D.	25-ft. Spool			100-ft. Spool		
			Stock No.	Wt. Lbs.	NET	Stock No.	Wt. Lbs.	NET
8868	.065"	.150"	47 T 897	1/4	.73	47 T 896	1 1/4	1.86
8869	.029"	.120"	48 T 238	1/4	.67	48 T 239	1 1/4	1.62

BELDEN RUBBER-COVERED LEAD-IN

Type 8200. Flexible No. 18 tinned copper wire, stranded (7x27), with .040" live rubber insulation. Overall diameter, .126". Av. shgp. wt., 100-ft. spool, 1 1/2 lbs. 47746, 500-ft. Spool NET 6.32. 47 T 745, 100-ft. Spool. NET 1.62

TELEPHONE WIRE

2-Conductor Interior. For interior use with telephones, rubber insulation, etc. No. 22 solid, tinned copper wire. 1/2" insulation and glazed cotton braid. Wt., 100 ft., 2 1/2 lbs. 48 W 810. PER FOOT. .04 100 ft. or More, PER 100 FT. 3.73

2-Conductor Exterior. No. 22 solid tinned copper wire. Each conductor has rubber insulation; overall black, weatherproof braid. Shgp. wt., 100 ft., 3 lbs. 48 W 826. PER FOOT. .04 100 ft. or More, PER 100 FT. 3.38

3-Conductor Exterior. As above, but 3-cond. Wt., 100', 4 lbs. 48 W 825. PER FOOT. .055 100 ft. or More, PER 100 FT. 5.08

TWISTED-PAIR ANTENNA LEAD-IN

High-quality, twisted-pair antenna lead-in wire. Designed especially for use with noise-reducing, double-tuned receiving antennas. Close impedance match assures efficient signal transfer. Consists of two flexible No. 18, stranded-wire conductors with tough, long-life rubber insulation, 1/2" thick. Weather-proof; does not crumble or dry out during prolonged usage. Shgp. wt., 100 ft., 3 lbs. 48 W 850. PER FT. .03 100 ft. or More, PER 100 FT. 2.56

ROME FLEXALL CABLE

A non-metallic sheathed waterproof and rot resistant cable—designed specifically for burial in the earth. Has 2 No. 14 solid wire conductors insulated with Type TW thermoplastic. An all-glass yarn wrap covers both conductors and a synthenol plastic sheath covers the entire cable. Ideal for outside lighting and speaker systems. Eliminates overhead wiring. Capacity 15 amps. Rated at 600 volts. U.L. Approved. Size, .200x.350". Shgp. wt., 100 ft., 7 1/4 lbs. 47 W 594. PER FOOT. .09 100 ft. or More, PER 100 FT. 8.52

ROME ROFLX CABLE

Two-conductor cable for indoor or outdoor use. Ideal for long speaker lines and electrical feeders or branch circuits or line installations for motors, power tools, etc. Color-coded No. 14 solid wire conductors have durable, heat resistant, thermoplastic insulation with plastic sheath covering entire cable. Current capacity is 15 amps. Rated at 600 volts. U.L. Approved. Size, .230x.410". Shgp. wt., 100 ft., 7 lbs. 47 W 549. PER FOOT. .07 100 ft. or More, PER 100 FT. 6.23

STEREO PICKUP ARM CABLES

High-quality phono pickup arm cables of exceptional flexibility. For record changers and turntables. No. 32 stranded (7x40) copper conductor with 009" vinyl plastic insulation, O.D. .055". Extremely light in weight, cables have minimum effect on stylus tracking force and lateral arm movement. Types 1479, 1406, 1407, and 1410 have braided tinned copper shield for minimizing the possibility of hum pickup. Av. shgp. wt.: 10 ft., 4 oz.; 25 ft., 6 oz.; 250 ft., 1 lb.

UNSHIELDED WIRE

Mfr's Type	Cond.	10-Ft. Coil		25-Ft. Coil		250-Ft. Coil	
		Stock No.	NET	Stock No.	NET	Stock No.	NET
1408	2	48 T 523	.32	48 T 524	.44	48 T 525	3.00
1401	3	48 T 526	.38	48 T 527	.90	48 T 528	8.25
1402	4	48 T 529	.53	48 T 533	1.20	48 T 534	11.25

SHIELDED WIRE

*Individually shielded conductors.

1479	2	48 T 535	.45	48 T 536	.83	48 T 537	6.00
1406	3	48 T 538	.60	48 T 539	1.28	48 T 543	12.00
1407	4	48 T 544	.68	48 T 545	1.50	48 T 546	13.50
1410	2*	48 T 547	.60	48 T 548	1.35	48 T 549	12.75

HOO-K-UP WIRE ASSORTMENTS

Six 25-ft. Coils. High efficiency, stranded copper wire—some tinned, some untinned. Ideal for use where high conductivity with negligible loss is essential. Unusually flexible and durable. In assorted gauges, colors and insulation. Designed for the chassis and sub-chassis wiring of radio and television receivers and transmitters, etc. Resists moisture and heat. Shgp. wt., 1 lb. 49 T 344. NET PER PKG. 79

Five 100-ft. Coils. Kit includes wire in assorted gauges, insulations, colors. Stranded copper—tinned and untinned. Shgp. wt., 2 1/2 lbs. 49 T 345. NET PER PKG. 2.25

THERMOPLASTIC HOOK-UP WIRE

U.L. Approved. Voltage breakdown test, 10,000 volts. Oil and acid resistant. Withstands temperatures up to 80° C. Suitable for high-voltage circuits where low loss and proper insulation is essential. Shgp. wt., per 25 ft. spool, 4 oz.



20 SOLID			20 STRANDED			25 FOOT SPOOL		
48 T 455, Black.	} 25 FOOT SPOOL	} 29 EACH	48 T 460, Black.	} 34 EACH	} 25 FOOT SPOOL			
48 T 456, Red.			48 T 461, Red.					
48 T 457, Blue.			48 T 462, Blue.					
48 T 458, Green.			48 T 463, Green.					
48 T 459, Yellow.			48 T 464, Yellow.					

STRANDED HOOK-UP WIRE

No. 18 tinned soft-drawn copper wire. Cotton wrap and colored rubber insulation overall. Excellent for general wiring in radio-TV chassis, switchboards, etc. Shgp. wt., 25 ft., 5 oz.

Spool	Black	Red	Blue	Green	White	EACH
25 ft.	48 T 200	48 T 201	48 T 202	48 T 203	48 T 205	.48

PUSH-BACK HOOK-UP WIRE

Highest quality tinned push-back hook-up wire. No. 20. Only evenly-drawn pure copper wire available. Insulation easily pushed back for convenient wiring. Available in both solid and stranded type. Unusually flexible and durable. Double-cotton covered with paraffin-treated damp-proof braid. 5 different colors. Shgp. wts.: 25 ft., 4 oz.; 100 ft., 1 lb.



STRANDED TYPE, 10x30

Spool	Red	Black	Yellow	Blue	Green	EACH
25 ft.	48 T 442	48 T 440	48 T 444	48 T 441	48 T 443	.36
100 ft.	48 T 447	48 T 445	48 T 449	48 T 446	48 T 448	1.29

SOLID TYPE

Spool	Red	Black	Yellow	Blue	Green	EACH
25 ft.	48 T 472	48 T 470	48 T 474	48 T 471	48 T 473	.34
100 ft.	48 T 477	48 T 475	48 T 479	48 T 476	48 T 478	1.26

HIGH-GRADE MAGNET WIRE ON SPOOLS

Insulated, soft-drawn copper wire of highest quality. Specially manufactured for all types of coil winding applications—transformers, RF coils, chokes, etc. All sizes indicated below are standard B&S gauge. Shgp. wts.: 1/2-lb. spool, 14 oz.; 1-lb. spool, 1 1/2 lbs.



PLAIN ENAMELED 1/2 LB. SPOOLS

Stock No.	Size	Feet	NET	Stock No.	Size	Feet	NET
48 T 100	14	38	.60	48 T 111	26	640	.71
48 T 102	16	63	.60	48 T 112	28	1013	.75
48 T 104	18	101	.62	48 T 113	30	1602	.83
48 T 106	20	159	.62	48 T 114	32	2543	.84
48 T 108	22	253	.65	48 T 115	34	4042	.92
48 T 109	24	402	.65	48 T 116	36	6410	.92

SINGLE COTTON ENAMELED 1 LB. SPOOLS

48 T 020	14	78	1.44	48 T 028	22	490	1.91
48 T 022	16	121	1.50	48 T 029	24	772	1.95
48 T 023	17	156	1.56	48 T 030	25	636	2.07
48 T 024	18	198	1.62	48 T 031	26	1209	2.09
48 T 025	19	248	1.70	48 T 032	28	1876	2.63
48 T 026	20	312	1.79	48 T 033	30	2780	3.08

HEAVY FORMVAR MAGNET WIRE IN 1-LB. SPOOLS

Copper magnet wire covered with Formvar; tough, abrasion-resisting film. Stable dielectric under drying and aging effects of heat; does not fail after two hours at 105° C. Impervious to moisture and petroleum solvents; resists acid and alkali. Takes up less winding space. Replaces enamel, paper, cotton, silk, and double cotton and double silk wire. Wt., per spool, 1 1/2 lbs.

Stock No.	Size	Feet	NET	Stock No.	Size	Feet	NET
48 T 180	14	78	1.13	48 T 187	28	1999	1.59
48 T 137	15	99	1.13	48 T 144	29	2780	1.77
48 T 181	16	124	1.13	48 T 188	30	3200	1.79
48 T 138	17	156	1.14	48 T 185	31	4410	2.03
48 T 182	18	198	1.14	48 T 189	32	4900	2.04
48 T 139	19	246	1.19	48 T 146	33	6441	2.16
48 T 183	20	313	1.20	48 T 190	34	7950	2.19
48 T 140	21	397	1.26	48 T 147	35	9002	2.51
48 T 184	22	501	1.26	48 T 191	36	12800	2.54
48 T 141	23	628	1.34	48 T 148	37	15898	3.45
48 T 185	24	798	1.34	48 T 192	38	20000	3.51
48 T 142	25	941	1.43	48 T 149	39	25188	5.37
48 T 186	26	1204	1.46	48 T 193	40	31700	5.45
48 T 143	27	1583	1.56				

TINNED SOLID COPPER WIRE

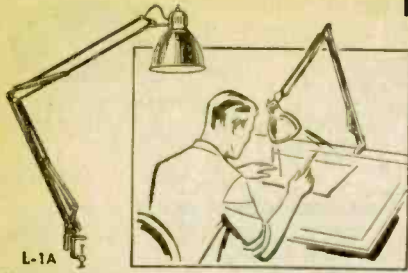
Fine quality, soft-drawn copper wire, tinned for easy soldering. Excellent for circuit wiring. Av. shgp. wt. *2 lbs., †5 lbs.

*100-FT. COILS						
Stock No.	Gauge	NET	Stock No.	Gauge	NET	
47 T 128	24	.38	47 T 523	16	1.05	
47 T 127	22	.48	47 T 520	14	1.43	
47 T 126	20	.54	47 T 530	12	1.98	
47 T 125	18	.75	47 T 540	10	4.28	

†1000-FT. SPOOLS						
Stock No.	Gauge	NET	Stock No.	Gauge	NET	
47 T 525	24	2.55	47 T 533	20	4.13	
47 T 527	22	3.38	47 T 535	18	6.75	

Adjustable Lamps and Accessories

LUXO ADJUSTABLE LAMPS



L-1A
Model L-1A All-Angle Lamp. Extremely popular work lamp. Skillfully designed. It is famous for its precision construction and exceptional flexibility. Ideally suited to furnish glare-free illumination for the service shop or work bench. May be raised lowered, or turned with a touch of the fingers. Has two extension arms 45° long and a 360° sweep. Swivel joints are spring-loaded; knurled nut controls tension. Porcelainized shade has large vents for heat dissipation. Off-on switch located at top of shade. Supplied with clamp. Dove gray finish. U.L. Approved. Requires one standard light bulb. Less bulb. Shpg. wt., 5 lbs.
 91 NX 296. List. \$23.50. EACH
 3 or More, EACH

17.62
15.88

Model L-9A. (Not illus.) Same as above but only one extension arm with 25° reach. Shpg. wt., 5 lbs.
 50 NX 735. List. \$15.50. EACH
 3 or More, EACH

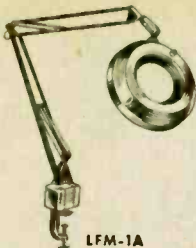
11.62
11.04

Model LFM-1A Lamp With Magnifier. Combines large magnification, cool fluorescent light, and maneuverability into one versatile unit. Large, 5" lens gives excellent distortion-free view. Spring-balanced action for easy positioning. Two extension arms; 360° sweep; 45° reach. With mtg. clamp. Gray finish. For 110-120 v., 60 cycle AC. U.L. Approved. Requires Circline T9 lamp (below). Less lamp, 8 lbs.
 91 NX 201. List. \$14.50. EACH
 3 or More, EACH

33.37
30.28

Model LFM-9A. (Not illus.) Same as above, but only one extension arm with 25° reach. Shpg. wt., 8 lbs.
 50 NX 743. List. \$36.50. EACH
 3 or More, EACH

27.37
26.01

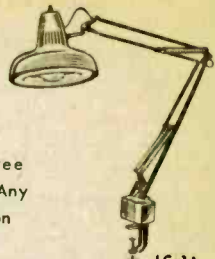


LFM-1A



FL-1A

Glare-Free
Light in Any
Direction



LC-1A

Model FL-1A All-Angle Fluorescent Lamp. An all-purpose fluorescent lamp featuring "feather-touch" positioning—may be raised, lowered or turned with finger tip. Unique, spring-loaded extension arms always stay in position. Lamp housing is also adjustable. Shade 19x4 1/2". Push-button starter. Has clamp for desk, bench, or table mounting. Two arms extend to 45°. Gray finish. U.L. Approved. For 110-120 v., 60 cycle AC. Less lamps (requires 2 T8 lamps below). Wt. 9 lbs.
 91 NX 228. List. \$29.50. EACH
 3 or More, EACH

22.12
20.01

Model FL-9A. (Not illus.) Same as above, but only one extension arm with 25° reach. Shpg. wt., 8 lbs.
 50 NX 769. List. \$21.50. EACH
 3 or More, EACH

16.12
15.32

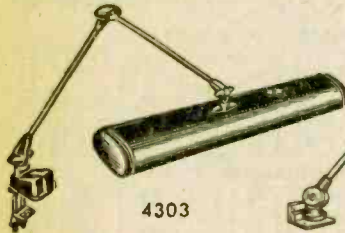
Model LC-1A Combination Lamp. Ideal for people working with color, this 3-way lamp combines incandescent and fluorescent light in one fixture. Either lamp can be used individually or in combination. Two extension arms reach 45°, sweep 360°. Clamp for table, desk, etc. Gray finish. U.L. Approved. For 110-120 v., 60 cycle AC. Uses 60-watt bulb and Circline T9 fluorescent tube (less bulb and tube). 9 lbs.
 91 NU 229. List. \$29.50. EACH
 3 or More, EACH

22.12
20.01

Model LC-9A. (Not illus.) Same as above, but only one extension arm with 25° reach. Shpg. wt., 9 lbs.
 50 NX 770. List. \$21.50. EACH
 3 or More, EACH

16.12
15.32

FLEXO ADJUSTABLE LAMPS



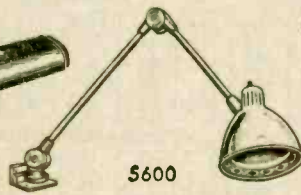
4303

Model 4303 All-Purpose Lamp. A well-designed lamp for the service bench, home workshop, etc. Head tilts vertically 180° and turns 300° on its axis. Upper elbow swings in 160° vertical arc; lower elbow swings in 110° vertical arc. Extends to 36". Spring-controlled swivel joints. Easily installed—two bolts clamp base firmly to any surface up to 3" thick. Bolts removable for surface screw mounting. Bronze finish. Requires two T8, 15-watt fluorescent lamps. For 105-125 v., 60 cycle AC. U.L. Approved. Less lamps (below). Shpg. wt., 10 lbs.
 91 NX 225. List. \$20.95. EACH
 3 or More, EACH

15.40
14.38

Model 5600 "Cool-Shade" Lamp. Low-cost bench or desk lamp lets you direct light where you need it. Adjusts to any position or angle. Shade vented for cool handling. Swivels at base, shade and each joint. Entirely spring-controlled in base, middle joint and shade. Maximum extension 42". Off-on switch on shade. Shade dia., 5 1/2"; 7" deep. Unibase for clamping or screw mounting—either vertical or horizontal. Less standard bulb. Gray finish. U.L. Approved. Shpg. wt., 3 1/2 lbs.
 91 NX 142. List. \$11.95. EACH
 3 or More, EACH

8.77
8.20



5600



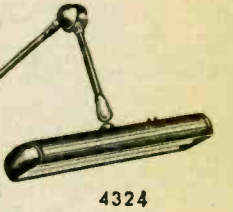
4444

Model 4444 "Flexarm" Twin-Light. A two-light, adjustable, fluorescent lamp. Flexible arm permits shade adjustment to any height 8" to 14". Ideal for fine precision work, service bench use, industrial assembly lines, etc. Heavy-gauge steel shade, 2 1/4"x4 1/2"x18". Washable, white-enameled reflector. Push-button off-on switch. Rubber bumpers on base. Requires two T8, 15-watt fluorescent lamps. Less lamps (see below, left). Finished in oven-fired bronze. U.L. Approved. For operation from 105-125 v., 60 cycle AC. Shpg. wt., 10 lbs.
 91 NX 146. List. \$14.95. EACH
 3 or More, EACH

10.95
10.25

Model 4324 Portable Desk Lamp. Saves trouble of clamp or screw mounting. Similar to Model 4303 (left, above) but with weighted base. Especially useful for desks where screw clamp cannot be used. Raises and lowers, extends and tilts in any direction. Fingertip control—stays in position. Double arm extends 32". Pen and pencil grooves in base. Bronze finish. U.L. Approved. For 105-125 v., 60 cycle AC. Requires two T8, 15-watt lamps (below). Less lamps. Wt., 23 lbs.
 91 NU 226. List. \$28.95. EACH
 3 or More, EACH

21.28
19.86



4324

STANDARD AND CIRCLINE FLUORESCENT LAMPS

Most frequently used fluorescent lamps. *Circline lamps; size shown in table is the diameter of the lamp circle. All lamps below have medium-size bi-pin bases except Type T5 (miniature bi-pin) and Circline lamps which have 4 pin bases. †Rapid-start lamps. Types T12 (40 W.) below are dual purpose—for regular or rapid-start use.

Stock No.	Type	Watts	Size	Tube Dia.	Color	Std. Pkg.	Wt., Lbs.	NET EACH	In Std. Pkg., EA.
91 N 172	T5	4	6"	3/8"	Cool-white	24	1/8	1.45	1.14
91 N 521	T5	6	9"	3/8"	White	24	1/8	1.50	1.17
91 N 511	T12	15	18"	1 1/2"	Cool-white	24	1	1.10	.88
91 N 500	T8	15	18"	1"	Daylight	24	1	1.15	.92
91 N 514	T12	15	18"	1 1/2"	Cool-white	24	1	1.10	.88
91 NX 502	T12	20	24"	1 1/2"	Daylight	24	1 1/2	1.15	.92
91 N 535	T9*	22	8 1/4"	1 1/2"	Cool-white	12	1 1/2	3.60	2.85
91 N 516	T10*	32	12"	1 3/4"	Cool-white	12	1 3/4	3.50	2.80
91 NX 534	T12†	40	48"	1 3/4"	Cool-white	24	2	1.30	1.04
91 NX 506	T12‡	40	48"	1 3/4"	Daylight	24	2	1.35	1.07
91 NX 162	T12	75	96"	1 3/4"	Cool-white	12	3	2.90	2.26
91 NX 163	T12	75	96"	1 3/4"	Daylight	12	3	3.00	2.35

ADVANCE FLUORESCENT BALLASTS

Wide selection of high-quality ballasts for all popular fixtures. \$55-65% corrected. *90-100% corrected. U.L. Approved. For 105-125 volts, 60 cycle AC. †Lamp watts. ‡For use with rapid start lamps.

‡1-LAMP BALLAST—NORMAL POWER FACTOR

Stock No.	Type	Watts*	Size	Ctrs.	Lbs.	NET
49N 400	L-120F	15/20	4 1/4"x2 1/2"x7 1/8"	3 3/4"	1	1.15
49N 401	L-140	40	6 1/4"x1 1/2"x1 1/4"	6"	3	1.80
49N 402	LO-14-20-C	14, 15, 20	3 1/4"x2 1/2"x1 1/4"	2 1/4"	3/4	.83
49N 408	RLC-140	32, 40	6 1/2"x2 3/4"x1 1/8"	6"	3	2.65

‡2-LAMP BALLAST—NORMAL POWER FACTOR

Stock No.	Type	Watts*	Size	Ctrs.	Lbs.	NET
49N 403	L-220	20/20	6 1/4"x2 1/2"x7 1/8"	5 3/4"	1 1/2	2.05
49N 404	R-22-32	22/32	6 1/2"x2 3/4"x1 1/8"	6"	3	3.65

**2-LAMP BALLAST—HIGH POWER FACTOR

Stock No.	Type	Watts*	Size	Ctrs.	Lbs.	NET
49N 405	S-230	40/40	1 1/4"x2 3/4"x1 1/8"	1 1/4"	4 1/2	5.15
49N 406	RSHM-240	40/40	9 1/2"x2 3/4"x1 1/8"	8 1/4"	4 1/2	6.00
49N 407	IRQM-2540	40/40	9 1/2"x2 3/4"x1 1/8"	8 1/4"	4	5.08

Lamps, Fluorescent Fixtures, Lanterns and Flashlights

MITCHELL FLUORESCENT FIXTURES

BARGAIN SPECIAL



Only **\$4.98**

Swings Over 120° Foot Area

SWING-O-LITE CLAMP LAMP

- Directs Light Where You Want It
- Ideal For Service or Work Bench

Durable gooseneck lamp allows you to bring light where it does the most good. At this low price, no service bench, work bench, or desk should be without one. Lamp shade rotates on joint to direct light—gooseneck extends over 30" circle. Utilizes 60 to 100 watt bulb. Switch is in top of vented shade. In durable Dove Gray baked enamel. "C" clamp mtg. bracket. All electrical parts U.L. Approved. Less bulb. Wt. 5 lbs. List, \$9.25

ONLY 4.98

SWING-O-LITE LAMP WITH MAGNIFIER

A fine adjustable lamp with 3-power magnifier attachment. Ideal for inspection of sub-miniature parts, printed circuits, machine tools, stamps, coins, etc. Has switch to select high intensity or normal light. 3" magnifying lens easily swings into position or out of the way. Lamp has spring balanced arm, 33" long from bulb to C-clamp mtg. bracket. Neutral gray color. Uses 12-v., #133 bulb (supplied). Step-down transformer delivers 12 volts from 110 AC outlet. With bulb, transformer, magnifier. Shpg. wt. 8 lbs.


50 NX 977. List, \$38.25. NET **22.49**

52 E 650. Extra Bulb for Above. 5 oz. ...40



With 3-Power Magnifying Lens

STARTERS AND SOCKETS



High-quality starters and sockets for all types of fixtures. *Circline. †Circlarc. Av. wt., 3 oz.

A STARTERS

Stock No.	Mfr's Type	Watts	1-9, EACH	10-Up, EACH
78 N 850	FS2	14,15,20	.20	.18
78 N 851	FS4	30 or 40	.20	.18
78 N 854	FS12	32*	.28	.25
78 N 855	FS22	14,15,18*	.20-22†	.25

B LAMPHOLDER SOCKETS

Stock No.	Watts	Color	1-9, EACH	10-Up, EACH
78 N 860	14,15,20	Black	.38	.34
78 N 861	30 or 40	White	.40	.36

C STARTER SOCKET

Standard Dual-Loc remote starter socket.

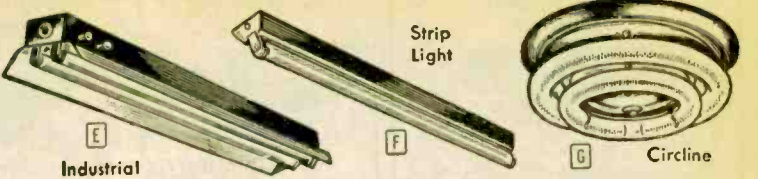
78 N 858. 1 to 9, NET EACH **14**

10 or More, EACH **13**

D STARTER SOCKETS AND LAMPHOLDERS

Combination Flex-Loc lampholder and Dual-Loc starter socket.

Stock No.	Watts	Color	.52	.47
78 N 865	14,15,20	Black	.52	.47
78 N 866	30 or 40	White	.54	.49



E RAPID-START INDUSTRIAL FIXTURE

Model 2098RS. All-purpose high-intensity lighting. Excellent for a wide variety of industrial applications. Uses two 48" Type T-12, 40-watt fluorescent lamps. High-gloss white enamel for maximum light reflection. Power factor corrected to reduce inductive effects. Has knock-outs to permit flush or stem mounting. Fixtures may be hung on chains, flush-mounted separately, or mounted end-to-end in rows. 48 1/2 x 11 1/2 x 5 3/4". Supplied with reflector and ballasts. Less lamps and chains. U.L. Approved. For operation from 110-125 v., 60 cycle AC. Shpg. wt., 17 lbs.

91 NU 315. EACH **11.18**

3 or More, EACH **10.32**

F STANDARD INDUSTRIAL FIXTURE

Model 2098. As above, but standard starter type. With starters. Less lamps, chains.

91 NU 260. EACH **9.43**

3 or More, EACH **8.70**

Model 949. Same as Model 2098, but uses two 75-w. 96" fluorescent lamps. Wt., 35 lbs.

91 NU 187. EACH **19.10**

3 or More, EACH **17.45**

G CIRCLINE FLUORESCENT FIXTURES

Model 665C. Low-cost, single-lamp, chrome-plated fixture with "instant-start" feature. Provides clear, glareless illumination—equivalent to light produced by a 100-watt incandescent bulb. For use in average-size kitchens, basement work areas, small offices, dens, etc. Handsome chrome finish. With 12" diameter, 32-watt Circline lamp. U.L. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 9 lbs.

91 NX 279. EACH **8.95**

3 or More, EACH **8.06**

Model 841C. Chrome-plated 2-lamp fixture. Improved light diffusion. With 12" dia. 32-watt and 8" dia. 22-watt rapid-start lamps, hardware and glass pendant. For 110-120 v., 60 cycle AC. U.L. Approved. 11 lbs.

91 NX 262. EACH **13.85**

3 or More, EACH **12.47**

Model 847C. Deluxe model with three self-starting lamps for greater light diffusion. Chrome-plated. With 40, 32 and 22-watt lamps. For 110-120 v., 60 cycle AC. U.L. Approved. Shpg. wt., 15 lbs.

91 NX 241. EACH **23.06**

3 or More, EACH **20.76**

F FLUORESCENT STRIP-LIGHT FIXTURES

Finished in handsome white, baked enamel for maximum light intensity and easy washing. Can be installed on walls or ceilings, flush or suspension mounted. 4002, 4004 are normal power factor; 4031 has high power factor. 9308 and 9328 are Slimline-type units. Less lamps. *Equipped with starters. For 110-120 v., 60 cycle AC. U.L. Approved.

Stock No.	Mfr's Type	No. Lamps	Watts	Lgth.	Wt. Lbs.	NET EACH
91NX177	4002*	1	20	24"	4	2.76 2.54
91NX178	4004*	1	40	48"	6	4.59 4.24
91NX179	4031*	2	40	48"	8	8.91 8.23
91NX188	9308	1	75	96"	30	15.00 13.70
91NX189	9328	2	75	96"	30	15.00 13.70

BURGESS QUALITY LANTERNS AND FLASHLIGHTS

H Model TW3. A super-power, all purpose red lantern with sealed-beam lamp. Automatic red flashing signal versus 90° on movable arm. Battery is lantern body—can be changed in seconds. Chrome handle. 11 1/4 x 9 1/2 x 3 1/2". Lamp has 4 1/2" dia. With TW1 6-volt battery. Shpg. wt., 6 lbs.

55 J 342. List, \$12.95. NET **8.28**

Model TW4. Same as Model TW3 above, but less flasher. Shpg. wt., 6 lbs.

55 J 337. List \$10.50. NET **6.63**

Model TW12. As above, but with rugged TW2 12-volt battery. Shpg. wt., 6 lbs.

55 J 526. List \$10.95. NET **6.75**

TW1 6-Volt Battery. For TW3, TW4, TW6E and TW7 lanterns. Wt., 3 1/2 lbs.

55 J 658. List, \$2.75. NET **1.83**

TW2 12-Volt Battery. For TW12. Wt., 3 1/2 lbs.

55 J 500. List, \$2.75. NET **1.83**

J Model Jr.-1. "Radar-Mate." A rugged, powerful portable light for the outdoor enthusiast or the homeowner. Heavy-gauge steel construction, corrosion-resistant design, plus a life-time switch, assures years of trouble-free service. The adjustable head has a special multi-facet vaporized reflector, providing a long beam with peak light distribution. Weather-proof switch has silver contact points. Head moves 135° up and down. Gleaming chrome plate case. Requires three No. 2 batteries (below). Shpg. wt., 1 1/2 lbs.

55 J 760. List, \$4.98. NET **3.32**

No. 2 Battery. For JR-1 above, 6 oz.

55 J 005. NET EACH **1.13**

K Model 159. Sturdy, chrome-plated "Magnet Light" with Alnico magnet that holds to steel. Red "brill-glo" head. Uses 2 No. 2 cells. With lamp; less batteries. 1 lb.

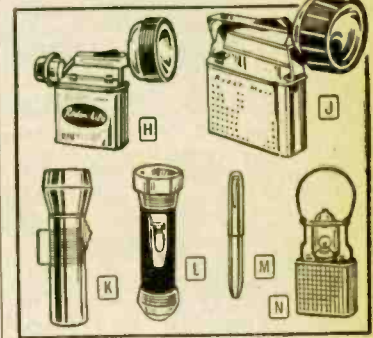
55 J 117. List, \$1.79. NET **1.20**

L Model 350. A fine 2-cell flashlight. Fiber barrel with rubber cushioned head, end cap. Prefocused and weatherproof. Uses two No. 2 cells. With lamp. Less batteries. 1 lb.

55 J 338. List, \$1.90. NET **1.28**

Model 450. As above, but use three No. 2 cells and PR3 lamp. Less batteries. 1 1/2 lbs.

55 J 339. List, \$2.15. NET **1.44**



M Model 152 Slim-Line Penlight. Tu-Tone and chrome finish. Uses two No. 7 cells. Supplied with No. 224 bulb. Less batteries. Shpg. wt., 5 oz.

55 JC 847. List, 88c. NET **.59**

N Model TW7. Here's an outstanding portable lantern with super-intensity lamp. Completely leakproof and weatherproof. Simple to operate and convenient to carry. Battery can be replaced in seconds—two insulated knurled nuts hold battery firmly to head assembly. 9 1/2 x 5 1/2 x 2 1/4" (including battery). With TW1 6-v. battery. Wt., 4 1/2 lbs.

55 J 662. List, \$9.25. NET **5.73**

Model TW6E. Emergency floodlight. Plus this unit into any 110-v. outlet; when AC power fails, it automatically switches on a powerful light that diffuses over a wide area. Battery life: 15 hours, continuous. With mtg. bracket, 6' cord, TW1 6-v. batt. Shpg. wt., 6 1/2 lbs.

List, \$20.25.

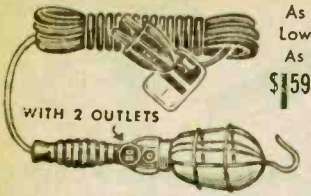
55 J 336. NET **13.48**



Depend on Allied for Complete Stocks, Low Prices, Friendly Service

Electrical Cords and Accessories

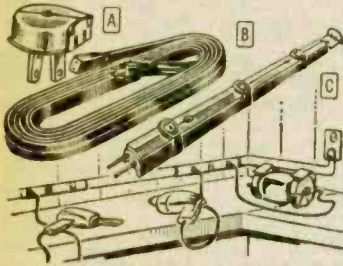
TROUBLE-LAMP BARGAINS



As Low As \$1.59

Outstanding value in a rugged trouble lamp. Enables you to extend light and power to any convenient point—invaluable in any kind of service work. Has heavy-insulation cable—lamps available in two cable lengths, 25 feet and 30 feet. Hard rubber handle houses easily accessible switch and two outlets for powering tools. Light bulb is protected from damage by reflector guard. Switched outlets will supply up to 600 watts at 110 to 125 volts, AC-DC, less power consumption of bulb. Supplied less bulb. Av. shpg. wt., 3 lbs. 50 N 946. With 25-ft. Cable.....1.59 50 N 947. With 30-ft. Cable.....2.19

"SNAP-IT" INTER-LINK ELECTRIC OUTLET KITS



A quick, easy way to add safe, extra outlets anywhere at home, shop or factory. Simply plug swivel cap (Fig. A) into existing outlet—extend it by plugging flexible link (Fig. B) into swivel cap—then plug outlet link (Fig. C) into flexible link. Flexible link and outlet links follow wall contour and fasten with nails. Rated 15 amps at 125 v. AC. U.L. Approved. 1162—6-Ft. Kit. Consists of swivel cap (Fig. A) 5-ft. flexible link (Fig. B) and 3-outlet link (Fig. C). Shpg. wt., 1 1/4 lbs. 50 N 450. NET.....2.45 1163—12-Ft. Kit. Consists of swivel cap (Fig. A) 11-ft. flexible link (Fig. B) 3-outlet link (Fig. C). Shpg. wt. 2 1/2 lbs. 50 N 451. NET.....3.92

3-Outlet Link, 1 lb. 50 N 452. NET......81

ACCESSORIES FOR EXTENSION USE

Stock No.	Type	Description	Wt.	NET
50 N 453	161	Inter-Link Link		
50 N 454	164	Inter-Link Swivel Cap Plug-In	5 oz.	.73
50 N 455	183	Inter-Link 3-Ft. Flexible Link	1/2 lb.	.73
50 N 456	185	Inter-Link 5-FL Flexible Link	3/4 lb.	1.22
50 N 457	191	Inter-Link 11-Ft. Flexible Link	1 1/4 lbs.	2.69

CONSOLIDATED WIRE POWER



EXTENSION CORDS
Heavy-duty, 3-conductor power extension cords for use with power tools, hedge trimmers, etc. Have molded 3-prong plug at one end, 3-prong receptacle at other end. U.L. Approved. Black.

Stock No.	Length	Gauge	Lbs.	NET
50 N 916	25 ft.	18	1 1/2	2.40
50 N 917	30 ft.	18	3	3.35
50 N 918	100 ft.	18	6	5.95
50 N 919	25 ft.	16	2	2.45
50 N 920	50 ft.	16	4	3.70
50 N 921	100 ft.	16	8	6.95
50 N 922	25 ft.	14	4	4.35
50 N 923	50 ft.	14	8	6.95
50 N 924	100 ft.	14	15	11.95

BELDEN EXTENSION AND REPLACEMENT CORDS



LIGHT-DUTY CORDS

Flexible, rubber-covered replacement cords. Have unbreakable vinyl plastic plugs at one end, other end stripped. All are Fig. D, 2-conductor except *Fig. E, 3-conductor with 3-prong plug. Cover black except *brown, *gray. U.L. Approved. Av. shpg. wt., 1/4 lb.

Stock No.	Mfr's Type	Length	Gauge	NET
50 N 925	17126S*	6 ft.	SP1 18	.37
50 N 926	17129S*	9 ft.	SP1 18	.44
50 N 927	17330S	10 ft.	SJ 16	.86
50 N 928	17308S	8 ft.	SJ 18	.65
50 N 929	17206S*	6 ft.	SV 18	.52
50 N 930	17408S*	8 ft.	SJ 18	.88

HEAVY-DUTY EXTENSION CORDS

Flexible 2-wire cord with molded vinyl cord-holder plug and plastic connector. Types 17395S and 17397S are ideal for electric lawn mowers. Yard extensions. Cover: *gray rubber, *black rubber, *red vinyl. U.L. Approved.

Stock No.	Mfr's Type	Length	Gauge	Lbs.	NET
50 N 931	17270C*	20'	SV 18	1	1.08
50 N 932	17361S†	10'	SJ 16	1	.94
50NX933	17395S†	50'	SJT 16	3 1/2	3.68
50NX934	17397S†	100'	SJT 16	6 1/2	6.98

CORDS FOR HEATER-TYPE APPLIANCES

Replacement line cords for 125 volt heater-type appliances. All have molded-rubber wall plugs, black neoprene covered and self-coiling (extend to 6 feet) except *bestos cotton wrapping and 7 feet long. Types without appliance plugs have terminals for screws, fan-appliance plug. Av. shpg. wt., 1/4 lb.

Stock No.	Type	Fig.	Pin Spacing	Amps.	NET
50N 935	17285S	H	1/2" slotted	10	.99
50N 936	17287S	H	1/2", w/o slot	10	1.07
50N 937	17282S	H	1/2"	15	1.10
50N 938	17283S	J	None	10	.83
50N 940	*17272S	G	None	15	.73

CUBE TAP EXTENSION CORDS

Sturdy, long lasting brown vinyl-covered extension cord. Has unbreakable molded vinyl plug and three-way connector. Cord is SPT rated, 18 gauge (41x34), two-conductor wire. U.L. Approved.

Stock No.	Type	Length	Shpg. Wt.	NET
50 N 939	17156S	6'	1/4 lb.	.42
50 N 940	17159S	9'	1/2 lb.	.47
50 N 941	17162S	12'	1 lb.	.53
50 N 942	*17127S	15'	1 1/4 lbs.	.60

ELECTRICAL CORD VALUES

L 6-Ft. Replacement Cord Set. Heavy, plastic-insulated cord firmly secured in sturdy molded plug on one end; other end stripped. Brown. Shpg. wt., 5 oz. 50 N 943. 10 or More, EA.....19. EA.....21

M Cube Tap Extension. 3-way extension tap. Rated at 15 amps 125 volts; 10 amps 250 volts. With 6-foot cord and bakelite plug cap. Brown. Shpg. wt., 7 oz. 52 N 605. 10 or More, EA.....33. EA.....37

BELDEN TV LINE CORD

Model 8895. 6-ft. long, has 2-cond., 18-gauge brown vinyl-cord, plastic plug. 1 lb. 50 N 944. NET.....37

WIRE CONNECTORS

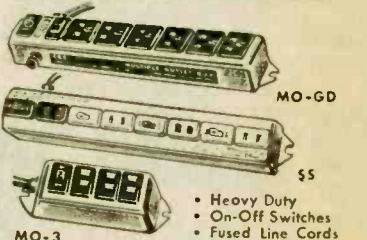
Solderless wire connectors. Simply strip two wire ends, push into connector and screw cap down. No tools needed. Wires cannot be pulled out. Made of the finest grade of phenolic. U.L. Approved. Av. shpg. wts.: Pkg. of 25, 5 oz.; Pkg. of 100, 1 1/4 lbs.

Wire Size	Stock No.	Pkg. of 25	Stock No.	Pkg. of 100
16-18	52 N 874	.30	52 N 870	.95
14-18	52 N 875	.40	52 N 871	1.5
12-18	52 N 876	.45	52 N 872	1.65
10-18	52 N 877	.75	52 N 873	2.80

ELECTROSTRIP FLEXIBLE OUTLET KIT

U.L. Approved Unique 4-ft. electrical strip for easy installation on baseboard, wall, workbench, etc. Includes 3 outlets which may be moved to any point along strip. Has 12" cord with plug for feeding power from regular wall outlet to the strip. Rated 15 amps at 125 v. AC. Shpg. wt., 1 1/2 lbs. 52 NX 696. NET.....2.62 Extra Outlets. For above. Shpg. wt., 3 oz. 52 N 697. NET EACH......37

NEW CBC MULTIPLE OUTLET BOXES



New outlet boxes for extending power to bench, lab, etc. All are fused at 15 amps, 110 v.; have 10-ft. line cords and on-off switches. Individual models offer features to meet any need. Type MO-6D has pilot light and six 3-wire, "U" grounded outlets with 3-wire plug. Type MO is identical except 2-wire outlets and plug. Type SS has four outlets with each outlet individually switched. Type MO-3 has three outlets, one switch. All have brown hammer-tone metal cases with mtg. ears.

Stock No.	Mfr's Type	Outlets	Size	Wt. Lbs.	NET EA.
50 N 948	MO-GD	6	13x2 1/4 x 1 1/2"	2 1/2	7.95
50 N 949	MO	6	13x2 1/4 x 1 1/2"	2 1/2	6.25
50 N 950	SS	4	13x2 1/4 x 1 1/2"	2 1/2	6.25
50 N 951	MO-3	3	5x2 1/4"	1 1/2	3.75

ELECTRICORD "REDY-REEL"
Model 5C2216-100 R. Handy power cord on portable reel assembly. Contains 100 ft. of No. 16, 2-conductor cord, covered with red vinyl insulation. Has stand of 3/4" cadmium plated steel rod; heavy steel reel. 11 lbs. 50 NX 301. NET.....8.95

DUTCH BRAND TAPE



Friction Tape. Very popular standard width tapes. Find widespread uses in radio, electrical, home and shop applications. Have tough, long-wearing fabric base which resists the effects of abrasion and weathering. Makes tight insulated wrappings. Av. wt., 7 oz.

Stock No.	Size	NET PER ROLL		
		1-29	30-99	100-Up
52 N 610	3/4"x13'	.14	.13	.12
52 N 611	3/4"x32'	.22	.21	.20
52 N 612	3/4"x68'	.42	.40	.38
52 N 620	3/4"x60'	.21	.20	.19

Plastic Tape. Strong, black vinyl plastic electrical tape. Stretches and conforms to irregular surfaces. Clings tightly—forms tight, compact insulated wrappings which do not unravel, even after long periods of time. Its high dielectric strength and excellent adhesive qualities make it a favorite with radiomen and electricians. 3/4" type is only .007". Rated 7000 volts. 1/2" type is .010". Rated 10,000 volts. Av. shpg. wt., 6 oz.

52 N 614, 1/2"x44', NET PER ROLL	1.00
15-49, EACH	.90
50-Up, EACH	.80
52 N 623, 1/2"x108', NET PER ROLL	8.4
6-47, EACH	1.69
48-Up, EACH	1.53

SCOTCH PLASTIC BACKED TAPE

Type 33. Plastic-backed electrical tape. .007" thick; 10,000 v. dielectric strength. Molds easily to irregular surfaces, allowing neat, compact insulated wrappings. Highly resistant to chemicals, abrasion, oil, salt water, weather. Av. shpg. wt., per roll, 6 oz.



Stock No.	Size	Per Roll	12-Up, EACH
52 N 613	3/4"x20'	.54	.49
52 N 616	3/4"x66'	1.47	1.32

Type 88. All-weather, 8.5 mil plastic-backed electrical tape. Makes splice wrappings easy in cold weather, yet retains body for easy application at normal temperatures. Abrasion, oil, and flame resistant. 3/4"x66'. Wt., 6 oz.

52 N 700, NET PER ROLL	1.75
12-Up, EACH	1.58

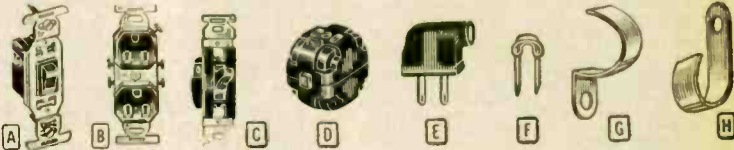
NEW SPECIAL VALUE TOUCH-A-MATIC NITE-LITE

New nite-lite features Touch-A-Matic switch for outstanding convenience. Works on the slightest pressure—can be pushed, flipped or kicked. No need to bend or stoop for lights plugged into baseboard outlets. Supplied with long-life, 3000-hour bulb. Ideal for bedrooms, nurseries, bathrooms, basements, stairways, etc. Other features include: modern streamline design that hugs the wall, adjustable shade that rotates full turn 360°, and choice of colors brown or ivory. 3 1/2" long. Shpg. wt., 4 oz.



50 N 904, Ivory, NET	.44
50 N 905, Brown, NET	.42
52 E 356, Repl. Bulb, 4 oz. NET	.22

NEWEST ADDITIONS TO ALLIED'S ELECTRICAL LINE



A Touch-A-Matic Wall Switch. Absolutely silent, leather-touch switch with rocker-arm design that blends into wall plate. Has both pressure and screw terminal connections and extra common terminal. SPST action. 15 amps @ 125 v. U.L. Approved. Wt., 5 oz.

B Duplex Wall Outlet. Parallel ground. 3-wire. 15 amps. 125 v. U.L. App'd. 5 oz.

C Flush Toggle Switch. Standard SPST action. Rated @ 10 amps, 125 v. or 5 amps, 250 v. U.L. Approved. 4 oz.

D Bakelite Triple-Cord Connector. Allows user to supply three outlets from one outlet. Rated at 15 amps at 125 v. Less cord. Brown color. Wt., 3 oz.

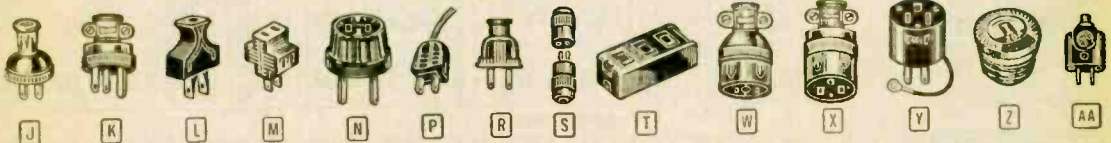
E Flat Rubber Slide Outlet Plug. Neatly designed plug has side outlet for wire. Has brass prongs molded into vinyl; binding screws separated by insulation; and completely enclosed wiring. Rated, 15 amps at 125 volts. Shpg. wt., 2 oz.

F Insulated Staples. Copper staples with off-white colored insulation for holding cords in place. Shpg. wt., 7 oz.

G H Cinch-Jones Cable Clamps. Designed for cables from 1/4" to 3/4" dia. *Center. All are Fig. G except 85D which is Fig. H. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Dia. of Arc	Hole* to Hole*	NET EACH	1-49	50-99
51 N 350	85A	1 1/2"	1/2"	.024	.02	
51 N 351	85B	1 1/2"	3/8"	.02	.015	
51 N 352	85C	3/4"	1/2"	.02	.015	
51 N 353	85D	3/4"	3/8"	.02	.015	
51 N 354	85E	3/4"	1/2"	.02	.015	
51 N 355	85F	3/4"	3/8"	.02	.015	

VALUES IN HANDY ELECTRICAL ACCESSORIES



J Rubber-Handle Plug. Unbreakable soft-rubber. Approved for power tools. Excellent for use with 52 N 603, right below, for line cord extensions. U.L. Approved. 2 oz.

K Parallel Ground Plug. Sturdy, rubber handle plug with "U" ground. Small enough so that 2 will fit standard duplex receptacle. With cable clamp. U.L. Approved. 2 oz.

L Bakelite Plug. With convenient finger-grip. Cap size, 1 1/4"x1 1/4"x1 1/4" deep. Brown finish. U.L. Approved. Shpg. wt., 2 oz.

M Rubber Cube Tap. Spring-action, 3-way outlet of one-piece, soft rubber. U. L. Approved. Shpg. wt., 4 oz.

N Continental Adapter. Male-female adapter. Permits using standard flat-prong American plugs in Continental Europe outlets designed for round prongs. Wt., 2 oz.

P Academy Automatic Plug. No wire stripping. Just insert. Rough cap. Sure-grip "needles" on prongs make positive connection through insulation. For POSJ cable only. U.L. Approved. Shpg. wt., 3 oz.

R Flat Rubber Plug. Has non-breakable molded rubber cap. Because of their narrow construction, these caps are ideal for use with multiple AC receptacles similar to Fig. T above. Easily disassembled. Screw terminal wiring. Rated 15 amps at 125 v.; 10 amps at 250 v. U.L. Approved. Shpg. wt., 3 oz.

S Morse Midget Cord Connector. Midget 2-contact plug-apart type cord connector. For use in connecting AC-DC line cords, phonograph motors, pilot light sockets, relays, control circuits, etc. Consist of one plug and one matching receptacle. Knurled edges provide sure grip for easy disconnection. Size, 1 1/4" long, 3/8" diameter. Shpg. wt., 2 oz.

T Academy Three-Way Outlet. Standard. 2-conductor outlets. Connect up to three standard power cord plugs. Easily installed. No wire stripping necessary. Rated 15 amps at 125 volts or 10 amps at 250 volts. U.L. Approved. Shpg. wt., 5 oz.

W Rubber Line Cord Receptacle. Rubber plug-handle receptacle. Has knurled body for easier gripping. Cable clamp helps protect connections. Dia., 1 1/4". Rated 15 amps at 125 volts. U.L. Approved. Shpg. wt., 3 oz.

X Parallel Ground Rubber Receptacle. Solidly-built 3-contact connector. Has phosphor bronze contacts rated 15 amps at 125 volts. Cord hole is 3/8". Cord clamp is furnished to protect cord under heavy-duty use. U.L. Approved. Shpg. wt., 3 oz.

Y Parallel Ground Adapter. Adapts 3-prong appliance plugs for use in standard 2-prong AC outlets. Rated, 15 amps at 125 v. Has 3" wire with grounding lug. U.L. Approved. Shpg. wt., 3 oz.

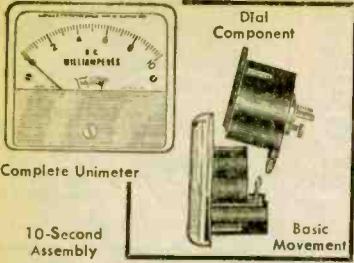
Z Plug Fuses. Screw-in plug fuses fit standard fuse holders. Clear view—easy to see when fuse has blown. U.L. Approved. Shpg. wt., 3 oz. 5 per box.

52 N 170, 10 amps	} NET PER BOX	.25
52 N 171, 15 amps		
52 N 172, 20 amps		
52 N 173, 25 amps		
52 N 174, 30 amps		

AA Fused Plug. Protects unfused electrical equipment from damaging overload. Small fuses for each side of line fit snugly in cylindrical receptacles—blown fuse is easily removed for quick replacement. Interchangeable with any standard AC plug. Supplied less 3/4G cartridge fuses. (See Index for fuse listings.) U.L. Approved. Shpg. wt., 3 oz.

Triplett and Emico Panel Meters

TRIPLETT UNIMETERS—WITH INTERCHANGEABLE RANGES



In 10 seconds . . . the precision meter of your choice. 2 basic movements plus interchangeable face plates give you a complete range of meters. Unimeter consists of separate sections (movement and dial component) which can be snapped together instantly for exact scale range you need. Just select the desired dial component and slide it into the movement. No soldering or wiring necessary. Two parts lock together with thumb screws on back. Check these features: self-shielded Bar-Ring movements; AC and DC linear scales; extreme accuracy; dust-proof construction; error-proof assembly; instant conversion; standard mounting. $4\frac{1}{2}$ " dials have mirror scales for parallax-free readings. Movements and dials are individually calibrated to 1%.

BASIC MOVEMENTS

0-1 DC MA and 0-50 DC μ A. *DC μ A movement is used with DC MA dial components only. Av. wt., 1 1/2 lbs!

Stock No.	Model	Size	Basic Movement	EACH
87 F 336	327-U	3 1/2"	0-1 DC MA—50 MV	12.10
87 F 341	327-U	3 1/2"	0-50 DC μ A—250 MV	17.50
87 F 436	420-U	4 1/2"	0-1 DC MA—50 MV	13.20
87 F 441	420-U	4 1/2"	0-50 DC μ A—250 MV	18.70

3 1/2" AND 4 1/2" UNIMETER KITS

Kit A. One 3 1/2" 0-1 DC MA movement; dials 0-1, 0-10, 0-100, DC MA; 0-1, 0-10, 0-25, DC AM; 0-50 DC VM, 0-150 AC VM. Wt., 6 lbs.

66 F 011. NET. 32.50

66 F 012. Above with 4 1/2" movement. 33.60

Kit B. Two 3 1/2" 0-1 DC MA basic movements and dial components 0-1, 0-10, 0-50, 0-100, 0-300, DC MA; 0-150, AC VM; 0-1, 0-10, 0-25, 0-50, DC AM; 0-50 DC VM; 0-300 DC VM. Wt., 8 lbs.

66 F 013. NET. 54.50

66 F 014. Above with 4 1/2" movements. 56.70

Kit C. Four 3 1/2" movements: three 0-1 DC MA; one 0-50 DC μ A; 23 dials: three 0-1, 0-10, 0-50, two 0-100, one 0-300, 0-500 DC MA; 0-1, 0-10, 0-25, 0-50 DC AM; two 0-50, one 0-300 DC VM; two 0-150, one 0-300 AC VM; 0-50, 0-100, 0-200, 0-500 DC μ A. Shpr. wt. 12 lbs.

66 F 020. NET. 109.50

66 F 021. Above with 4 1/2" movements. 113.90

DIAL COMPONENTS

All dial components are used with 0-1 DC MA basic movement except *for use with 0-50 DC μ A basic movement. Accuracy well within 2% full scale. †1000 Ω /V film type. ‡Rectifier type 500 Ω /V. Shpg. wt., 2 oz. When ordering, specify dial range, size and stock number.

DIAL COMPONENT RANGES

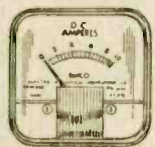
0-1 DC MA	0-500 DC MA	0-25 DC Ammeter
0-5 DC MA	0-10 DC Volts†	0-50 DC Ammeter
0-10 DC MA	0-25 DC Volts†	0-10 AC Volts‡
0-15 DC MA	0-50 DC Volts†	0-150 AC Volts‡
0-25 DC MA	0-150 DC Volts†	0-300 AC Volts‡
0-50 DC MA	0-300 DC Volts†	0-50 DC μ A*
0-100 DC MA	0-500 DC Volts†	0-100 DC μ A*
0-150 DC MA	0-1 DC Ammeter	0-200 DC μ A*
0-200 DC MA	0-5 DC Ammeter	0-500 DC μ A*
0-250 DC MA	0-10 DC Ammeter	
0-300 DC MA	0-15 DC Ammeter	

3 1/2" Stock No.	4 1/2" Stock No.	Scale Values (Range)
87 FF 337	87 FF 437	0-1—500 DC milliams
87 FF 338	87 FF 438	0-10—500 DC volts
87 FF 339	87 FF 439	0-1—0-50 DC amps
87 FF 340	87 FF 440	0-10—0-300 AC volts‡
87 FF 342	87 FF 442	0-50—0-500 DC microamps*

NET EACH 2.75

Unimeter Stand. Not illus. Holds meters at correct angle. 5-way terminals fit plain wire, alligator clips, etc. $4\frac{1}{4}$ "x6" base. 1 1/2 lbs. 87 F 443. NET. 3.30

RUGGED, RELIABLE EMICO PANEL METERS



Dependable panel meters at low price. DC meters have "HI-TORK" magnetic movements; AC meters are moving-iron type. All are accurate to within 5%. Calibrated in steel cases, meters need no further adjustments. Model RF-2 1/2 C has Plexiglass front. All have black enameled or zinc-iridized steel cases. Dimensions (over-enamel and flange size): NF-2C, 1 1/2"x2 1/4"; RF-2C, 1 1/2"x2 1/4"; RF-2 1/2 C, 1 1/2"x2 1/4"—fit in 2 1/4" dia. hole; Model 13, all plastic 1 1/2"x1 1/4"x2 1/4". All have screw terminal binding posts and/or lugs for solder connections. Mounting hardware included. Av. wt., 9 oz.

DC MILLIAMMETERS

Range	Model NF-2C			Model RF-2C			Model RF-2 1/2 C			Model 13 Edgewise		
	Stock No.	1-24, EACH	25-49, EACH	50-99, EACH	Stock No.	1-24, EACH	25-49, EACH	50-99, EACH	Stock No.	1-24, EACH	25-49, EACH	50-99, EACH
0-1	67 F 609	3.63	3.33	3.15	67 F 614	3.67	3.37	3.19	68 F 012	3.97	3.64	3.44
0-5	68 F 970	2.30	2.11	2.00	68 F 971	2.37	2.16	2.04	66 F 022	2.65	2.43	2.30
0-10	67 F 600	2.16	1.98	1.87	67 F 615	2.22	2.02	1.91	68 F 013	2.50	2.29	2.17
0-20	67 F 601				67 F 616				68 F 014			
0-30	67 F 602				67 F 617	1.96	1.80	1.70	68 F 015	2.25	2.07	1.96
0-50	67 F 603	1.86	1.71	1.62	67 F 618				68 F 016			
0-100	67 F 604				67 F 619				68 F 017			
0-150	67 F 605				67 F 620				68 F 018			
0-200	67 F 606				67 F 621	1.96	1.80	1.70	68 F 019	2.25	2.07	1.96
0-300	67 F 607	1.86	1.71	1.62	67 F 622				68 F 020			
0-500	67 F 608				67 F 623				68 F 021			

AC VOLTMETERS

0-15	67 F 665	2.99	2.74	2.59	67 F 670	3.09	2.83	2.68	68 F 022	3.38	3.10	2.93
0-50	68 F 978	2.99	2.74	2.59	68 F 979	3.09	2.83	2.68	66 F 038	3.38	3.10	2.93
0-150	67 F 666	3.53	3.24	3.06	67 F 671	3.63	3.33	3.15	68 F 023	3.92	3.60	3.40
0-300	67 F 667	4.12	3.78	3.57	67 F 672	4.16	3.82	3.51	68 F 024	4.46	4.09	3.87

DC AMMETERS

0-1	68 F 972				68 F 973				68 F 025			
0-5	68 F 974				68 F 975				66 F 043	2.25	2.07	1.96
0-10	67 F 650				67 F 656				66 F 044			
0-15	66 F 039				66 F 041	1.96	1.80	1.70	66 F 045			
0-25	68 F 976	1.86	1.71	1.62	68 F 977				66 F 046			
0-30	66 F 040				66 F 042				66 F 047			
3-0-3	67 F 651				67 F 657	1.96	1.80	1.70	68 F 026	2.25	2.07	1.96
20-0-20	67 F 652	1.86	1.71	1.62	67 F 658				68 F 027			
30-0-30	67 F 653				67 F 659				68 F 028			

DC VOLTMETERS

0-3	67 F 630				67 F 635				68 F 082			
3-0-3	67 F 631				67 F 636				68 F 083			
0-10	67 F 632				67 F 637				68 F 084			
0-15	66 F 090				66 F 169	1.96	1.80	1.70	66 F 085	2.25	2.07	1.96
0-20	66 F 091				66 F 193				66 F 093			
0-30	68 F 980				68 F 981				66 F 096			
0-50	68 F 982				68 F 983				66 F 097			
									66 F 168			
									66 F 188	2.25	2.07	1.96
									66 F 190			
									66 F 191			
									66 F 192			

AC AMMETERS

0-1	68 F 984				68 F 985				68 F 086			
0-5	67 F 646	2.99	2.74	2.59	67 F 648	3.09	2.83	2.68	68 F 085	3.38	3.10	2.93
0-10	67 F 647				67 F 649				66 F 195	3.38	3.10	2.93

AC MILLIAMMETERS

0-500	67 F 640	2.99	2.74	2.59	67 F 643	3.09	2.83	2.68	68 F 029	3.38	3.10	2.93
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Simpson "Wide-Vue" 3 1/2" and 4 1/2" Panel Meters

EASIEST TO READ . . .

Reduce eye-strain—get accurate meter readings at a glance. "Wide-Vue" panel meters feature longer scales than conventional types. 3 1/2" meter has a scale more than 1/2" longer than conventional meter scales. Wide spacing between scale calibrations increases readability from greater distances with less strain on your eyes. All panel meters have one-piece, wrap-around plastic covers. Break-resistant covers provide maximum protection for meter faces against accidental blows or droppings. All DC meters, except 0-25 and 0-50 microameters, have "self-shielded" core magnet movements. Core magnet movements are not affected by steel panel mounts or proximity of meter to magnetic fields.

METER DIMENSIONS				
Model	Flange	Body Dia.	Depth	Scale
1327	3.25x3.25"	2.73"	1.08"	3.14"
1329	4.00x4.68"	2.75"	1.08"	3.93"
1357	3.25x3.25"	2.73"	1.22"	3.14"
1359	4.00x4.68"	2.75"	1.20"	3.93"

0-25, 0-50 DC microameters have external magnet movements; AC meters have iron-vane movements. "Wide-Vue" meters are practical for use in communications equipment, measuring instruments, Ham gear, etc. Fine quality meters give dependably accurate readings within ±2%. Av. shpg. wt., 1 lb.



DC VOLTMETERS

Model 1327—3 1/2"				Model 1329—4 1/2"				
Stock No.	NET EACH			Range	Stock No.	NET EACH		
	1-9	10-24	25-49			1-9	10-24	25-49
68F 991				0-10	68F 992			
68F 149	14.25	12.83	12.11	0-5	68F 157	15.75	14.18	13.39
68F 150				0-15	68F 158			
68F 151				0-50	68F 159			
68F 152				0-100	68F 160			
68F 153				0-150	68F 161			
68F 993	14.25	12.83	12.11	0-200	68F 994	15.75	14.18	13.39
67F 660				0-250	67F 661			
68F 155				0-300	68F 163			
68F 905	15.00	13.50	12.75	0-750	68F 906	16.20	14.58	13.77
68F 995	18.60	16.79	15.81	0-1000	68F 996	19.80	17.82	16.83

DC MILLIAMMETERS

Stock No.	NET EACH			Range	Stock No.	NET EACH		
	1-9	10-24	25-49			1-9	10-24	25-49
68F 181				0-1	68F 186			
67F 662	13.50	12.15	11.48	0-3	67F 663	14.25	12.83	12.11
68F 182				0-10	68F 187			
68F 907				0-15	68F 189			
68F 969				0-20	68F 907			
68F 183				0-50	68F 188			
68F 184				0-100	68F 189			
68F 185	13.80	12.42	11.73	0-150	68F 190	15.00	13.50	12.75
68F 909				0-200	68F 191			
68F 998				0-750	68F 999			
67F 668				0-1000	67F 669			

DC AMMETERS

Stock No.	NET EACH			Range	Stock No.	NET EACH		
	1-9	10-24	25-49			1-9	10-24	25-49
68F 165				0-1	68F 173			
68F 911	13.65	12.29	11.60	0-15	68F 912	15.00	13.50	12.75
68F 166				0-25	68F 174			
68F 167				0-10	68F 176			
68F 170				0-15	68F 178			
68F 171				0-25	68F 179			
68F 913	13.65	12.29	11.60	0-30	68F 914	15.00	13.50	12.75
68F 915				0-100	68F 916			
68F 062				0-150	68F 068			
68F 063				0-200	68F 069			
68F 064	13.65	12.29	11.60	0-300	68F 070	15.00	13.50	12.75
68F 065	13.65	12.29	11.60	0-500	68F 071	15.00	13.50	12.75
68F 066	14.55	13.10	12.37	15-0-15				
68F 067	14.55	13.10	12.37	30-0-30				

STERLING BATTERY TESTERS



Sterling pocket-size meters for general purpose testing of dry and wet cell batteries. Dependable Sterling testers are compact and easily portable. 2 1/4" dia., 3/8" thick. Nickel plate finish. 5% calibrated accuracy. With lead. Av. wt., 6 oz.

Stock No.	Mir's Type	Scale	Batteries That Can Be Tested	NET EACH
65F 082	16	15-90V	Radio, Hearing Aid	4.05
65F 083	24	0-35A	#6 Dry Cells	2.55
65F 084	38A	1-2-100V	Radio, Industrial	2.70
65F 085	44	0-10V, 0-35A	Hot Shot, #6 Dry	2.76
65F 085	45A	0-50V & 0-50A	Ignition, Indus.	3.45

J-B-T METERS



A New Type 32-JP-7 Temperature Tester. 4" scale, 0-650° F. Automatic ambient temp. compensation. 5/16" thermocouple. 5 1/2 x 2 1/2". With case. Shpg. wt., 3 lbs. **29.50**

B Type 31-EX Elapsed Time Meter. Self-starting asynchronous AC meter. 1 1/16" hrs. steps to 9999.9 hrs. Automatic reset. 3 1/2" hangers; mounts in 2 1/2" hole. 3/4" depth. For 100-120 v., 60 cycle AC. Wt., 1 1/4 lbs. **15.95**

EMICO AC VOLTAGE TESTER



Detects low line voltage. 2-prong male plug. 90° swivel head permits easier readings from any position. Range, 0-150 volts. 2" meter has damped movement. Accuracy ± 5%. Metal case. 8 oz. **3.38**

SITTLER LOW-VOLTAGE TESTER

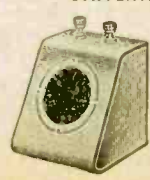


Type T202. Handy low voltage tester indicates from 5-50 volts AC-DC. Uses incandescent lamp. Has red and black leads with alligator clips for easy identification and use. Shpg. wt., 3 oz. **.99**

Type 406. NET **.99**

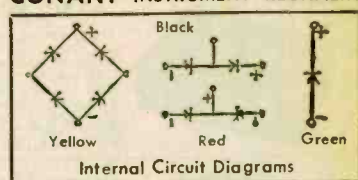
Type 203. Similar to the above voltage tester, but tests from 2 1/2-24 volts AC-DC. **.99**

UNIVERSAL METER CASE



Front panel holds 2" meter. Knockout ring enlarges hole for 3" meter. 1-piece back and bottom attach with 2 screws. Red binding posts; banana jacks in heads. Black wrinkle finish. Size, 4 1/4 x 4 1/4" without posts. Wt., 1 1/4 lbs. **66 F 506, NET. 1.49**

CONANT INSTRUMENT RECTIFIERS



Max. AC input, 5 v.; copper oxide; 24K gold contacts; rev. v., 2.25 v. DC.; 3" leads; .038" thick. Series 500: 100 ma max. 60 ma DC forward. Resp., 0-1 mc. Dia., .5"; 166° center hole. 6-32 mtg. screw. Series 160: 10 ma max. 10 ma. DC forward. Resp., 0-75 mc. Dia., .166". Two #2 mtg. screws. In polystyrene base housing. Series 160-C, 160 in brass case. 5 oz.

Stock No.	Type	Series	Body Color	No. of Terms	Av. Output DC MA	NET EACH
68 F 041 M	500	Yellow	4	100	2.06	
68 F 043 HS	500	Black	3	50	1.50	
68 F 047 T	500	Red	3	50	1.50	
68 F 042 H	500	Green	2	50	1.18	
68 F 040 B	160	Yellow	4	10	2.06	
68 F 044 BHS	160	Black	3	5	1.50	
68 F 046 BT	160	Red	3	5	1.50	
68 F 037 BH	160	Green	2	5	1.18	
68 F 038 B-C	160-C	Yellow	1	10	2.06	
68 F 045 BHS-C	160-C	Black	3	5	1.50	
68 F 046 BT-C	160-C	Red	3	5	1.50	
68 F 049 B-C	160-C	Green	2	5	1.18	

Conant Inst. Rectifier Handbook. **37 K 170, Postpaid in U.S.A. .15**

Power Supplies, Converters and Rectifiers

ELECTRO-PRODUCTS POWER SUPPLIES



PS-2



D-612T

MODEL PS-2 DC POWER SUPPLY KIT

Efficient DC power supply. Ideal for servicing transistor portable radios and auto radios. Has two output ranges with separate current meters and output terminals. 0-20 volts at 75 ma and 0-16 volts at 5 amps. Has variable transformer for smooth voltage adjustment; pi-type filter for hash-free output. In sturdy metal case, 8 1/2 x 2 x 5 1/4". For 117 v., 50-60 cycle AC. Shpg. wt., 15 lbs.
80 FX 039, \$5 Monthly. NET 56.00

MODEL D-612T DC POWER SUPPLY

DC power supply for servicing auto radios, battery charging, etc. Two continuously variable ranges: 0-8 volts and 0-16 volts. Full 10 amps on both ranges. Up to 100% intermittent overload. Less than 1/2% ripple at 5 amps. Selenium rectifiers feature conduction cooling. Constant metering of voltage and current. 2-pos. range switch; panel-mounted fuse holder. Lab-type output terminals. Rugged blue hammerloid steel cabinet. 7x12x8 1/2". For 117 v., 50-60 cycle AC. Shpg. wt., 22 lbs.
80 FU 283, \$5 Monthly. NET 59.95

EC-2 DC POWER SUPPLY



EC-2

EC-1

New, versatile DC power supply. Provides well-filtered, adjustable DC output of 0-16 volts at 5 amps. Ripple is less than 0.5% at full output. Extremely compact, space-saving design; measures only 10 1/4 x 4 1/2 x 6 1/2"; takes up only 4 1/4" on service bench. Portable; easily carried anywhere. Includes combination voltmeter-ammeter pilot light, fuse. In two-tone gray cabinet with carrying handle. For 117 v., 50-60 cycle AC. Shpg. wt., 11 lbs.
65 F 014, \$5 Monthly. NET 39.95

EC-1 DC POWER SUPPLY

Efficient new power supply provides 12 volts DC with a 5-ampere output. Output is exceptionally well-filtered; has less than 0.5% ripple. Unit is an ideal hum-free power source for use in auto radio servicing and auto radio display stands. The EC-1 is extremely compact in size; measures only 10 1/4 x 4 1/2 x 6 1/2". Easy to carry wherever it's needed; horizontal or vertical mtg. Has 4-position voltage adjustment switch; off, low, medium and high. Includes pilot light; wing nut output terminals. Regulation is 1.4 volts per amp (no-load to F.L.). DC impedance, 1.4 ohms. In two-tone gray enameled case with carrying handle. For 117 v., 50-60 cycle AC. Shpg. wt., 12 lbs.
65 F 026, \$5 Monthly. NET 29.95

PERMA-POWER

RADIO BATTERY ELIMINATOR



Model "A". Converts battery radios, etc. to 110v. AC operation. Selenium rectifiers for well-filtered DC output. "A" power: 85-1.5 v. DC. "B" power: 90v. DC at 13 ma. Fits in battery compartments of most radios. Large variety of sockets. 2 1/2 x 6 1/4 x 4 1/2". U.L. approved. For 105-125 VAC. Wt., 4 lbs.
80 F 176. NET 12.40

SENCORE PS-103 "TRANS-PAK"



Low-cost DC power supply especially designed to replace batteries of transistor radios during repair. Furnishes variable DC from 0 to 24 volts with 1.5-volt biasing tap (to aid in servicing Philco and Sylvania transistor portables). Provides continuously metered current. No hum or feedback—employs heavy-duty selenium rectifier and two 200-mfd capacitors for filtering and low output impedance. 5 x 4 1/2 x 2 1/4". With leads. For 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.
83 F 985. NET 19.55

NEW PRECISION P-25 BATTERY ELIMINATOR



Versatile transistor radio battery eliminator and battery charger. Supplies continuously variable DC voltage from 0-25 volts. Has center tap for transistor radios without output transformers; also 1.5 volt tap. Reads 0-100 ma DC; 0-25 volts DC. Can be used to simulate weak battery conditions during servicing. Also useful for recharging nickel-cadmium batteries. In sturdy metal case, 6 1/2 x 3 1/2 x 3". Wt., 2 lbs.
65 F 027. NET 19.55

NEW ELECTROTONE BATTERY CHARGERS



C-100



C-60

NEW MODEL C-100 HOME AUTO BATTERY CHARGER

Compact 6 and 12 volt charger features 3-position selector for charging slow, medium or fast charging rates. Accurate ammeter monitors charging rate; voltmeter provides check on battery condition. Cigarette lighter plug charges battery through lighter socket. Unit has full wave selenium rectifiers; delivers 10 amps. Has circuit breaker protection throughout. 10x8x7 1/2". For 110-120 v., 60 cycle AC. 9 lbs.
87 F 798. NET 24.95

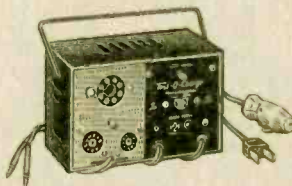
Model C-80. As above, but less voltmeter and cigarette lighter accessory plug—uses copper-plated battery clips. Shpg. wt., 9 lbs.
87 F 797. NET 20.95

NEW MODEL C-60 ECONOMY BATTERY CHARGER

Low-cost 6 and 12 volt battery charger. Has accurate ammeter; full wave selenium rectifiers; complete circuit breaker protection. Delivers 8 amps. 10x8x7 1/2". For 110-120 v., 60 cycle AC. 7 lbs.
85 F 002. NET 12.95

87 F 796. Model C-40. As above, but delivers 5.5 A. 7 lbs. 10.95
 87 F 795. Model C-20M. As above, but delivers 3 A. 3 1/2 lbs. 7.95

NEW "TEST-O-CHARGE" BATTERY CHARGER



Highly useful unit that functions as a battery charger, a continuity checker and a shock hazard indicator. Charges 6 and 12-volt auto batteries at a 3 amp rate. Has plug that fits into cigarette lighter socket on car's dashboard—thereby eliminating need for opening up car's hood and making direct connection to battery. Also recharges 9-volt nickel-cadmium type transistor radio batteries; batteries clip right into socket on unit's front panel. "Test-O-Charge" checks tools, washing machine motors, fans, etc. for short or open circuits. When checking appliances for electrical shock hazard, unit's neon indicator instantly shows any dangerous potentials existing between appliance and ground. Can be used to trace "hot wiring" in circuits. With push-button circuit breaker for overload protection. 5 1/2 x 3 1/2 x 2 1/4". For 110-120 v., 50-60 cycle AC. Shpg. wt., 3 lbs.
65 F 028. NET 14.85

CORNELL-DUBILIER 125C14 DYNAVERTER



Compact power unit consists of a heavy-duty inverter and a rapid charging circuit for a 12 volt auto battery. Battery must be used with unit as a means of storing the DC power developed by unit's charging circuit; the inverter switches on the charged battery and provides up to 150 watts of 110 volt, 60 cycle AC, continuously. A fully charged battery will power a portable TV set up to 6 hours; a record player up to 12 hours. Complete recharging of a battery can be accomplished overnight from regular 110-120 volt, 60 cycle AC power lines. Size, 13x7 1/2 x 3 1/2". Shpg. wt., 18 lbs.
85 FX 001. NET 65.00

MALLORY DRY-DISC RECTIFIERS

Top-quality magnesium-copper sulphide rectifiers for use in low voltage DC power supplies. Find extensive applications in battery chargers, battery eliminators, model train power supplies, etc. All are single-phase, full-wave bridge type. Operate in temperature range from -90° F to +265° F; provide constant output without the need for adjustments. Rectifying film has "self-healing" action; keeps repairing itself with use. Indicates output at full load. Supplied with the following types of mountings: *insulated bolt; grounded foot; insulated stud. J suffix in Type No. indicates universal mounting design.

Stock No.	Mfr's Type	ACV Input	DCV Output	Cont. Amps	Size H. x W. x D.	Replacement in Equipment	Wt. Lbs.	List	NET EACH
56 F 1741B4R*	3.2	117	115	1/2	1 1/2 x 1 1/2 x 1"	GTC Battery Eliminator	1/4	\$2.90	1.89
56 F 1751B8R*	6.4	3.4	1.5	1/2	1 1/2 x 1 1/2 x 1 1/2"	GTC Battery Eliminator	1/4	3.45	2.25
56 F 1761B12R*	9.7	5.2	1.3	1/2	1 1/2 x 1 1/2 x 1 1/2"	Electric Fence Supplies	1/4	3.95	2.59
56 F 1701B12CJ	9.8	5.1	3.2	1 1/2	1 1/2 x 2 1/2 x 3"	Mallory 3C, 6AC4 Booster	1/4	7.25	4.74
56 F 1771S16CB7*	12.8	6.6	6.0	3	2 x 2 1/2 x 3 1/2"	Mallory 5535B, 6AC6, I516CB7M	1 1/2	12.30	8.04
56 F 171F16C31	13.0	6.8	3.9	2 1/2	1 1/2 x 3"	Mallory 5535	1	10.70	6.99
56 F 1861S24C7J1	19.4	10.1	4	3 1/2	1 1/2 x 2 1/2 x 4 1/2"	Mallory 12-AC-5-2	2 1/2	15.45	10.09

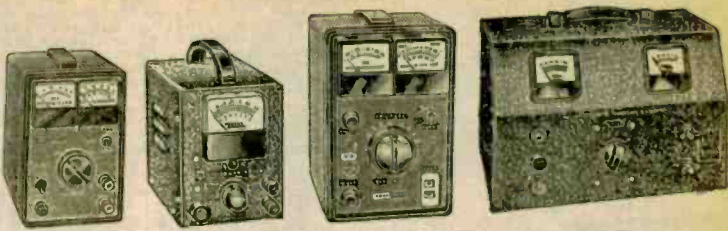
Power Supplies and Inverters

EICO POWER SUPPLIES—KITS AND FACTORY WIRED

MODEL 1064-K BATTERY CHARGER KIT

New, easy-to-build 6 and 12-volt battery eliminator and charger kit. Delivers the low-ripple DC necessary for servicing transistorized equipment. Has two DC voltage ranges: 0-8 v. @ 10 amps continuous, 20 amps intermittent; 0-16 v. @ 6 amps continuous, 10 amps intermittent. Ripple: 0-16 v. range, 1% @ 6 amps; 0-8 v. range, 4.5% @ 10 amps. Separate voltmeter and ammeter permit simultaneous monitoring of voltage and current on both ranges. $8\frac{1}{2} \times 5\frac{1}{2} \times 7\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Wt. 14 lbs. 65 FX 029. \$5 Monthly. NET..... 43.95

Model 1064. As above, but factory-wired. 65 F 030. \$5 Monthly. NET..... 52.95



1064-K 1020-K

1073-K

1060-K

MODEL 1073-K METERED VARIABLE AC BENCH SUPPLY KIT

Easy-to-build, lab type variable AC bench supply. Provides adjustable output of 0-140 v. AC from 120 v. AC input. Handles 3 amps. Precision voltmeter and ammeter permit simultaneous monitoring of voltage and current. Ammeter has dual range (0-1, 0-3 amps); ranges can be switched while unit is under load. Uses variable auto-transformer of toroidal core design. Auto-transformer and ammeter are separately fused. In steel case. $8\frac{1}{2} \times 5\frac{1}{2} \times 7\frac{1}{2}$ ". With case, parts, instructions. For 105-125 v., 60 cycle AC. Shpg. wt., 16 lbs. 87 FX 354. \$5 Monthly. NET..... 35.95

Model 1073. As above, but factory-wired. 87 FX 355. \$5 Monthly. NET..... 47.95

Model 1078-K. Same as Model 1073-K above, but reads 0-2.5 and 0-7.5 amps. Wt., 16 lbs. 87 FX 356. \$5 Monthly. NET..... 42.95

Model 1078. As above, but factory-wired. 87 FX 357. \$5 Monthly. NET..... 54.95

MODEL 1060-K DELUXE BATTERY CHARGER-ELIMINATOR KIT

Operates any 6 or 12-v. auto radio, including transistor models. Features: extra filtering and continuous voltage adjustment by variable transformer; heavy-duty selenium rectifiers; fused primary. Low range: 0-8 v. @ 10 amps continuous, 20 amps intermittent; 1.5% ripple at 2 amps, 2% at 6 amps. High range: 0-16 v. @ 6 amps continuous, 10 amps intermittent; 0.3% ripple at 2 amps, 1.5% at 10 amps. With case, parts. $8\frac{1}{2} \times 10\frac{1}{2} \times 7\frac{1}{2}$ ". For 105-125 v., 60 cycle AC. Wt., 19 lbs. 83 FX 875. \$5 Monthly. NET..... 38.95

Model 1060. As above, but factory-wired. 83 FU 876. \$5 Monthly. NET..... 47.95

Model 1050-K Battery Eliminator Kit. For 6 and 12 v. auto radios. Same as Model 1060-K above, but less smoothing filter. Shpg. wt., 15 lbs. 83 FX 175. \$5 Monthly. NET..... 29.95

Model 1061. As above, but factory-wired. 84 FU 341. \$5 Monthly. NET..... 38.95

MODEL 1020-K POWER SUPPLY KIT

Transistorized DC power and bias supply. Provides variable output voltage up to 30 v. Has dual-range voltmeter (0-6, 0-30 VDC) for monitoring output. Perfect for servicing "hybrid" apparatus or all-transistor equipment. Useful as a DC filament supply, a bias source, and a source of ripple-free DC for lab use.

Maximum continuous output, 150 ma from 0-12 v.; 200 ma from 12-24 v.; 300 ma from 24-30 v. Uses full-wave silicon diode rectifier circuit with electrolytic capacitor input filter followed by two power transistors in a cascaded filter circuit. Filters insure extraordinary ripple rejection—maximum ripple at full load is only 0.05%. Fuse protects circuit in case of overload; pilot light remains lit if fuse blows.

In gray wrinkle steel case with carrying handle. $5\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{2}$ ". Less solder. For 105-125 v., 60 cycle AC. Shpg. wt., $4\frac{1}{2}$ lbs. 83 F 968. \$5 Monthly. NET..... 19.95

Model 1020. As above, but factory-wired. 83 F 969. \$5 Monthly. NET..... 27.95

ATR HIGH-QUALITY INVERTERS AND POWER SUPPLIES

DC TO AC UNIVERSAL INVERTERS

- Ruggedly Constructed
- Completely Suppressed Against RF Interference
- Exceptionally Stable

Universal inverters for operating 115-volt, 60 cycle AC equipment from DC voltages in autos, buses, trucks, boats, trains, planes; and areas with DC power distribution. For standard 115-volt AC tape recorders, TV sets, radios, PA systems, electric razors, test equipment, etc. Carefully engineered and constructed for dependable operation. Operating efficiency in excess of 75%. Four-point voltage regulator corrects output voltage for minimum and maximum loads, and also helps compensate for input voltages lower or higher than normal. Recommended for use with loads having power factors in excess of 70%. Not

recommended for large motor driven appliances such as refrigerators, washing machines, etc. All have On-Off switches. In gray hammerloid metal cases with carrying strap. Sizes: RSF, $8\frac{1}{2} \times 9\frac{1}{2} \times 5\frac{1}{2}$ ". RH, $6\frac{1}{2} \times 11\frac{1}{2} \times 8\frac{1}{2}$ ". HSHJ, $6\frac{1}{2} \times 12\frac{1}{2} \times 8\frac{1}{2}$ ". With battery clips; model with "P" suffix has adapter cord for auto cigarette lighter sockets. *Recommended for 24-volt battery operation. Before ordering, check wattage rating of equipment inverter will be used with.



6-12 V. DC POWER SUPPLIES

A Type 610C-ELIF. Specially designed DC power supply for testing and operating auto radios and other DC apparatus from regular 115 volt, 50-60 cycle AC power lines. Provides either 6 volts @ 10 amperes continuous, or 12 volts @ 6 amperes continuous with minimum ripple. Has separate voltmeter and ammeter; full wave selenium rectifier. Toggle switch selects 6 or 12 volts output. 8 position voltage selector adjusts output voltage. Has gray steel case. Size, $6\frac{1}{2} \times 9\frac{1}{2} \times 8\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Shpg. wt., 22 lbs. 80 FU 243. \$5 Monthly. NET..... 48.95

A Type 620C-ELIT. Heavy-duty model. Uses dual, dry disc selenium rectifiers—provides a full wave output that assures noiseless operation. Rated output: 6 volts @ 20 amperes or 12 volts @ 10 amperes. Has separate voltmeter and ammeter; monitors current and voltage output simultaneously. 8-position voltage selector control permits adjusting voltage output to desired level. In gray steel case with handle. Size, $6\frac{1}{2} \times 12\frac{1}{2} \times 8\frac{1}{2}$ ". For 105-125 v., 50-60 cycle AC. Shpg. wt., 33 lbs. 80 FU 234. \$5 Monthly. NET..... 65.61

6 AND 12 V. SHAV-PAKS

B Miniature inverters that operate standard AC electric shavers from 6 and 12-volt storage batteries in autos, buses, trucks, boats and planes. Small and compact; measure only $4\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{2}$ "; can be kept in glove compartment of car when not being used. The height of convenience for traveling salesmen, executives, sportsmen, tourists, etc. Unit simply plugs into cigarette lighter receptacle on car's dashboard and changes DC battery power to standard 115-volt AC for shavers, other small electrical devices. Both 6 and 12-volt models provide 115 volts, 60 cycle AC output at 15 watts. In gray hammerloid steel case. Shpg. wt., $2\frac{1}{2}$ lbs.

Stock No.	Type	DC Input	List	NET
81 F 944	6-SPB	6 volts	\$11.95	7.81
81 F 945	12-SPB	12 volts	11.95	7.81

Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts		Wt., Lbs.	List	NET EACH
				Cont.	Inter.			
81 FU 924	6U-RHS	6	110 v.	125	150	27	\$99.50	65.01
81 FU 926	12U-RSF	12	110 v.	100	125	22	75.00	49.00
81 FU 927	12U-RSF-P	12	110 v.	100	125	22	75.00	49.00
81 FU 928	12U-RHG	12	110 v.	200	250	37	125.00	81.67
81 FU 929	12U-RHSJ	12	110 v.	100	125	22	89.95	58.77
81 FU 930	28U-RSF*	28	110 v.	100	125	22	89.95	58.77
81 FU 931	28U-RHG*	28	110 v.	150	175	27	119.50	78.08
81 FU 936	50U-RSF	50	110 v.	100	150	22	89.95	58.77
81 FU 937	110U-RSF	110	110 v.	150	250	22	75.00	49.00
81 FU 938	110A-RHG	110	110 v.	250	325	27	89.95	58.77
81 FU 940	110U-RHSJ	110	110 v.	400	600	37	145.00	94.74

PORTABLE PLUG-IN TYPE DC TO AC INVERTERS



Lightweight inverters for operating 110 v. AC equipment from DC voltage sources. Feature excellent frequency stability and high efficiency. 6 and 12-volt units plug into cigarette lighter receptacle of any vehicle; others are equipped with standard 2-prong plugs. All are designed especially for use with dictating machines; record players, electric razors, test equipment, etc. Not recommended for tape recorders and large motor driven appliances such as refrigerators, washing machines, etc. Gray hammerloid case with leather carrying strap. Sizes: DME, $5\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{1}{2}$ "; RME and RMF, $8\frac{1}{2} \times 8\frac{3}{4}$ ". *Recommended for 24-volt operation. RME and RMF types are equipped with an adjustable, 4-position voltage regulator, calibrated for low, medium, high and maximum loads. All are for use with loads having power factors over 80%. Check wattage rating of equipment before ordering.

Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts		Wt., Lbs.	List	NET EACH
				Cont.	Inter.			
80 F 246	6-DME	6	110 v.	30	40	5	\$24.95	16.30
80 F 289	6C-DME	6/12	110 v.	30	40	5	28.95	18.91
80 F 247	6-RMF	6	110 v.	60	80	12	49.50	32.34
81 F 941	6C-RMF	6/12	110 v.	60	80	12	54.95	35.91
80 F 249	12-DME	12	110 v.	40	50	5	24.95	16.30
80 F 266	12-RME	12	110 v.	90	125	12	49.50	32.34
81 F 942	28-RME*	28	110 v.	80	100	12	69.50	45.41
80 FX 218	110-RME	110	110 v.	100	150	12	59.50	38.88

Converters and Chargers

TERADO TRANSISTOR DC-TO-AC 60-CYCLE CONVERTERS



300-Watt
Filtered
Output

For TV's
Phonos
Recorders

50-191



Remote Control

- Converts DC to 115 Volt, 60 Cycle AC
- Output Frequency Stable to Within 1/2 Cycle
- Fully Transistorized for Greater Power

Model 50-191 "Continental" with Remote Control. High-powered transistorized unit converts 12 v. DC to 115 v., 60 cycle AC. Provides 300-watt filtered output; perfect for tape recorders, phonos, TV, etc. Chrome-plated remote control mounts on dashboard—converter may be installed in trunk, out of the way. Remote control has AC receptacle, variable AC voltage output switch and signal light. Has tuned frequency reed for perfect cycle control. Copper-clad finish on steel case, 6x10 1/2 x 6". Includes all plugs and cable for installation. Shpg. wt., 30 lbs.

80 FU 043. NET 114.01

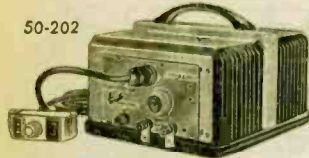
Model 50-200 "Atlas" with Remote Control. Same as "Continental" above, but has 200-watt output. 6x10 1/2 x 6". Shpg. wt., 21 lbs.

65 FU 031. NET 85.33

Model 50-201 "Titan". Same as "Atlas" above, but less remote control. Shpg. wt., 20 lbs.

65 FU 032. NET 71.87

50-202



600
Watt
Output

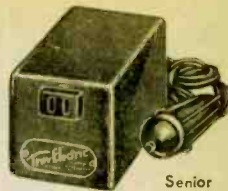
Remote Control

New Model 50-202 "Dual Continental" with Remote Control. Fully transistorized, heavy-duty converter. Converts 12 v. DC to 110 v., 60 cycle AC. Provides 600 watts of filtered output; frequency stable to within 1/2 cycle. Remote unit mounts on dash; has AC receptacle, variable voltage switch, signal light. 10 1/2 x 13 x 6". With battery cables. Wt., 60 lbs.

65 FU 033. NET 228.03

TERADO CONVERTERS AND CHARGERS

Converters. For operating 110 v., 60 cycle AC devices from car batteries. Converter plug fits auto cigarette lighter socket, except flip directly to battery terminals with clips provided. Has 20-ft. input cord and mtg. bracket. Check wattage requirements and battery voltage before selecting converter. Chargers. 1/2-amp Tiny Giant for autos and boats. With clips for direct connection to battery terminals; huzzer indicates improper connection. Copper-clad steel case. Pocket-size 5-amp charger is full-wave type with 2 miniature silicon rectifiers. Charges battery through lighter of car, boat or plane with plug supplied; charge indicator light shows battery condition. In steel case. 10-amp charger is similar to 5-amp model, except with ammeter.



Senior

VIBRATOR-TYPE CONVERTERS

Stock No.	Mfr's Type	Model	Input DC Volts	Watts	Size	Wt. Lbs.	NET EACH
80 F 194	50-102	Auto Shaver	6	10-15	2x3x4"	2	9.12
80 F 196	50-103	Auto Shaver	12	15-20	2x3x4"	2	9.12
80 F 272	50-115	Senior	6	30-50	2 1/2 x 2 1/2 x 4 1/2"	3 1/4	15.66
80 F 273	50-116	Senior	12	40-50	2 1/2 x 2 1/2 x 4 1/2"	3 1/4	15.66
80 F 270	50-126	Super	6	60-75	6x5x4"	8	32.65
80 F 271	50-127	Super	12	75-100	6x5x4"	8	32.65
81 F 043	50-167	Electral	12	42-52	3x5 1/2 x 2 1/2"	3 1/4	17.62
81 FU 044	50-175	Recorder	12	150-175	10 1/4 x 6 x 6"	21	65.04
81 F 045	50-179*	Sportsman	12	42-52	5 1/2 x 3 x 2 1/2"	4	20.88
80 F 276	50-137*	Chief	6	75-125	6x5x4"	9	45.73
80 F 277	50-138*	Chief	12	100-125	6x5x4"	9	45.73
80 F 197	50-134	Automatic	6 and 12	55-110	4x5x6"	9	37.88
80 FU 193	50-153*	Supreme	12	175-200	6x6x11"	24	71.87

CHARGERS

Stock No.	Mfr's Type	DC Output Volts	Output Amps	Input at 50-60 Cycle AC	Size	Wt. Lbs.	NET
81 F 400	50-185	6/12	1 1/2	110/120	2 1/4 x 3 x 5 1/2"	2	13.60
81 F 046	50-180	12	5	110/120	5 1/2 x 3 x 2 1/2"	2 1/2	17.59
81 F 047	50-181	6/12	10	110/120	3 1/2 x 5 x 7"	7 1/2	25.45
65 FU 034	50-183	6/12	20	110/120	11x6x6"	22	47.99

CORNELL-DUBILIER CONVERTERS

Famous "Powercon" DC-to-AC converters. Efficient vibrator-type units recommended for operating AC appliances from DC power sources. All have well-regulated outputs of 110 volts, 60 cycle AC—output stability is maintained regardless of load. Have high ratings for intermittent overloads; wattage figures for intermittent use are rated for power factors from 70-100%. Superior RF filtering assures an output free of "hash"—permits clear, interference-free TV, short wave, AM and FM reception. Units start instantly, even under heavy load—no warmup period is required. *For small, portable type dictating machines. Model 12S314 comes in case that provides room for 12-volt battery (supplied less battery). Model 12SP2 is designed especially for use with electric shavers; its small size permits it to be stored in car's glove compartment when not in use. Model 110H25 is specifically designed for use with TV sets.



Stock No.	Mfr's Type	Typical Applications	Input DC Volts	Watts Cont. Int.	Size	Wt. Lbs.	List	NET	
80 F 263	6/12D6	Dictating Machines*	6/12	60	75	5 1/2 x 7 1/4 x 6 1/4"	11 1/2	\$43.90	28.66
80 F 305	12SP2	Electric shaver	12	20	20	2 1/2 x 2 1/2 x 3 1/2"	2	13.40	8.77
80 F 307	12L8	Radio, phono, recorder	12	80	100	5 1/2 x 6 1/4 x 8"	12	39.50	25.82
80 F 308	12S10	Radio, recorder, PA	12	100	125	5 1/2 x 6 1/4 x 9"	14	63.60	41.55
80 FZ 199	12SS14	TV, recorder, PA	12	140	175	9 1/2 x 9 1/2 x 14"	60		63.70
80 FU 309	12H15	Radio, recorder, PA	12	150	175	6 1/2 x 7 1/2 x 11"	20	87.30	57.04
80 FU 312	110H25	TV, recorder, PA	110	250	325	6 1/2 x 7 1/2 x 11"	20	78.60	51.35

SCHAUER BATTERY CHARGERS AND ACCESSORIES



4, 6 AND 10 AMPERE BATTERY CHARGERS

Compact, efficient battery chargers. Car owners who use their electrical accessories, such as heater, radio, fan, etc., to a great extent find these units excellent for restoring their car batteries to full charge overnight. Models A5612, B4612 and C4612 have selector switches for charging from 6-volt to 12-volt operation. All have automatic safeguard provision against short circuits and overloads. Models A5612, B4612, C4612, B312 and C412 have accurate numerical dial ammeter to show exact rate of charge entering battery. Model A3 is an economy unit that includes full-wave charging output which

makes possible higher efficiency of operation. Has selenium rectifiers for dependable service. Model C4612 will recharge the average 6 or 12 volt battery in 6 hours or less; it is ideal for quick charging during intervals when equipment is not in use, but must be ready in a hurry. Model C412 is a heavy-duty unit for keeping truck or tractor batteries charged; will charge one 12-volt or two series connected 6-volt batteries. All chargers have handy clip terminals for attaching to battery; no need to disconnect or remove battery from car. All units operate from 110-120 v., 60 cycle AC.

Stock No.	Mfr's Type	Charging Rate (Amps)	Volts	Fully Charges Average Battery in	Size	Wt. Lbs.	List	NET
75 F 283	A5612	4	6 and 12	10 hours	6 1/2 x 4 1/2 x 4 1/2"	4 3/4	\$18.95	14.25
80 F 161	A3	4	6	10 hours	6 1/2 x 4 1/2 x 4 1/2"	4	12.95	9.70
80 F 285	B4612	6	6 and 12	7-9 hours	7 1/4 x 6 1/2 x 6 1/2"	8 1/4	25.95	17.70
81 F 072	B312	6	12	7-9 hours	6 1/2 x 6 1/2 x 7 1/2"	8	22.95	17.20
81 F 071	C4612	10	6 and 12	6 hours or less	6 1/2 x 6 1/2 x 7 1/2"	10 1/2	32.95	24.70
80 F 164	C412	10	12	6 hours or less	6 1/2 x 6 1/2 x 7 1/2"	10	29.95	22.45

MODEL A-8478 HANDY "KAR-START"

Helps start cars in cold and wet weather—at instant of starting. "Kar-Start" sends 5 times the normal spark intensity through engine's spark plugs. Has no effect on engine performance—unit disconnects automatically as soon as engine is running; is not harmful in any way to plugs or distributor. Especially helpful on cars normally parked outside in winter—saves battery, gasoline and time. Installs quickly and easily—has only three wires to connect. For both 6 and 12-volt auto ignition systems. 2 1/2 x 1 1/2 x 2". Shpg. wt., 6 oz.

81 F 069. NET 4.92

TYPE A-8412 CHARGER PLUG

Connects charger to battery by plugging into car's cigarette lighter. May also be used as a replacement plug for power converters. For 12-volt cars. Wt., 4 oz.

81 F 059. NET 1.08

RCA Batteries, Sonotone Rechargeable Battery

RCA PORTABLE, TRANSISTOR, INDUSTRIAL BATTERIES

- You Always Get Freshest Replacement Batteries at Allied
- Tables Give RCA Equivalents for Your Present Batteries

Listing covers types for hundreds of industrial applications and virtually all portable radio types. If you cannot determine which batteries you require, give us the make and type number of original batteries, plus make and model number of your set. *Mercury batteries. †Other voltage taps: 1/2, 3, 4 1/2, 6.



PORTABLE "A" BATTERIES

Stock No.	Mfr's Type	List Price	NET EACH	Volts	Size	Lt. Wts.	Burgess	Eveready	Philco	Zenith	Mallory	Ray-O-Vac
55 J 736	VS034A	.20	.13	1 1/2	3/16x1 3/8"	1 oz.	Z	915	P15F	Z8	M15F	7LP
55 J 737	VS035A	.20	.13	1 1/2	1 1/2x1 1 3/8"	2 oz.	1	935	P900	Z7	M14F	1LP
55 J 746	VS036	.20	.13	1 1/2	1 1/2x2 1/8"	1 1/4	2-R	950	P907	Z2NL	M13F-M	2LP
55 J 714	VS065	1.65	1.15	7 1/2	2 3/4x1 1/2x3 3/32"	1 1/4	C3	717	P31	Z750	M9	9
55 J 745	VS067	1.35	.95	4 1/2	4x1 1/4x4 3/32"	1	F3	736	P38	Z736	M3	A3
55 J 746	VS068	1.00	.70	6	1 7/8x1 1/2x2 1/32"	1/2	Z4	724			M2	A2
55 J 774	VS069	1.20	.84	1 1/2	2 3/4x1 1/2x3 3/32"	1 1/2	2D	720			M18	18
55 J 713	VS074	1.15	.70	1 1/2	1 1/2x1 2 1/8"	2	7	912	K	Z912	M24F	400
55 J 711	VS141	1.10	.77	1 1/2	2 1/8x1 1/2x4 1/4"	1	2F	V353			M11	11
55 J 725	VS236	.45	.32	1 1/2	1 3/8x4 1/8"	1 1/2	21R	964	P77	Z5	M20	20
55 J 550	VS315	1.50	1.05	7 1/2	2 3/4x2 1/2x2 1/16"	1	D5	707	P26	Z707	M26	26

PORTABLE "B" BATTERIES

Stock No.	Mfr's Type	List Price	NET EACH	Volts	Size	Lt. Wts.	Burgess	Eveready	Philco	Zenith	Mallory	Ray-O-Vac
55 J 719	VS013	3.85	2.70	45	3 1/2x2x1 2/3x5 1/2"	2	M30	482	P45	Z783	M202	202
55 J 722	VS016	3.50	2.45	67 1/2	1 1/2x1 1/2x3 3/32"	1	XX45	467	P67	Z67	M200	200
55 J 723	VS055	2.95	2.08	4 1/2	2 1/2x1 1/2x1 1/8"	1/4	XX30	455	P105	Z455	M201	201
55 J 710	VS082	3.45	2.42	67 1/2	2 1/2x1 1/2x2 1/2"	3/4	K45	457		Z457	M203	203
55 J 749	VS086	2.50	1.75	45	1 1/8x3/4x3 1/16"	1/4	U30	415	P150	Z415	M213, RM415	213
55 J 756	VS218	3.25	2.27	90	1 1/2x1 1/2x7 1/32"	1	P45-M	477	P149	Z477	M211P	211P
55 J 750	VS219	3.95	2.77	90	1 1/2x1 1/2x7 1/32"	1	P60	479	P176	Z790	M214	214

PORTABLE "A-B" PACKS

Stock No.	Mfr's Type	List Price	NET EACH	Volts	Size	Lt. Wts.	Burgess	Eveready	Philco	Zenith	Mallory	Ray-O-Vac
55 J 728	VS019	7.75	5.43	7 1/2-9-90	97/2x2 1/2x3x4 3/4"	6	F6A60	753	P841A	Z979	M401	401
55 J 778	VS050	7.25	5.08	6 7/8-7 1/2-75	8 7/8x3 1/4x2 7/8"	5	T5250	755	P30	P371	M403	403
55 J 732	VS057W	6.95	4.87	7 1/2-9-90	8 7/8x2 1/2x3 3/32"	4	T6260	756			M405	405
55 J 776	VS059	7.45	5.22	9-90	8 7/8x2 1/2x3 3/32"	3	T6260P	727		Z962	M428	428
55 J 777	VS060	6.90	4.83	7 1/2-75	8 7/8x3 3/8x2 1/4"	3	T5250P	785		Z775	M431	431

TRANSISTOR BATTERIES

Stock No.	Mfr's Type	List Price	NET EACH	Volts	Size	Lt. Wts.	Burgess	Eveready	Philco	Zenith	Mallory	Ray-O-Vac
55 J 156	VS148*	1.25	.85	2.7	2 1/2x3 3/4"	1/2	H132R	E132			TR132R	
55 J 522	VS149*	1.50	1.00	4.2	2 1/2x1 1/2x1 1/2"	1/2	H133	E133			TR133	1304M
55 J 157	VS150*	.45	.30	1.4	3/8x7 1/8"	1/2	HG604	E604			TR163	
55 J 158	VS163*	1.60	1.02	4.2	2 1/2x1 1/2x1 1/2"	1/2	H163	E163			TR164	
55 J 159	VS164*	2.00	1.15	5.6	2 1/2x1 1/2x1 1/2"	1	H164	E164			TR165R	
55 J 162	VS165*	2.45	1.50	7	3 1/2x2 1/2x1 1/2"	1	H165	E165			TR165R	1600
55 J 546	VS300A	.89	.62	9	1 1/2x1 1/2x1 1/2"	1/4	P6M	226	P91	Z226	M1600	1600
55 J 754	VS301	2.50	1.76	3, 6, 9	8 1/2x2 1/2x1 3/8"	1 1/2	D6P1	2506			M1601	1601
55 J 694	VS304	1.50	1.05	9, 13 1/2	1 1/2x1 1/2x2 1/16"	1/4	XX9	239	P178		M1600	1900
55 J 695	VS305	1.85	1.30	9	1 1/2x1 1/2x2 3/16"	1/4	2N6	246			M1602	1602
55 J 696	VS306	1.80	1.26	9	2 3/4x2 1/2x1 1/2x4 3/32"	1	D6	276	P88	Z276	M1603	2LP-5LP
55 J 697	VS300A*	1.95	1.15	9.8	3/8x1 1/2x2 3/8"	1/8	H1177	E177	P146		TR177	1606
55 J 699	VS312*	1.50	1.02	8.4	1 1/2x3/4x2"	1/8	H146	E146		Z9	TR146	1604
55 J 700	VS313*	.75	.51	1.4	3/8x1 1/2"	1/8	930	E9			ZM9	
55 J 780	VS321	2.75	1.93	4 1/2	1 1/8x1 1/4x8 1/32"	3		2731				
55 J 554	VS322	1.50	1.05	9	1 1/2x1 1/2x2 7/16"	1/2	M6	266	P1605		M1605	1605
55 J 523	VS323	.69	.48	9	1 1/2x1 1/2x1 1/2x2 7/16"	1/2	2Z3	216	P1604		M1604	1604
55 J 163	VS324	1.70	1.19	4 1/2	1 1/2x1 1/2x2 1/2"	2, 9	Z23	243			M1610	1610
55 J 166	VS325	1.00	.71	9	1 1/2x1 1/2x4 1/16"	2		2713				
55 J 779	VS326	1.50	1.05	9	1 1/2x1 1/2x4 1/16"	1/2		2709				
55 J 781	VS327	.75	.53	9	3/4x2"	1/8	L6	206			M1611	1611M
55 J 782	VS328	1.25	.85	8.4	1 1/2x2"	1/8	H126	E126			TR126	1610M
55 J 783	VS329	1.50	1.05	12	1x2 1/2"	1/8		228				15
55 J 757	VS334	.25	.16	1 1/2	3/8x1 1/2"	1/8	930	1015	P15R	Z8	M15R	14
55 J 758	VS335	.25	.16	1 1/2	1 1/2x1 1/8"	1/8	130	635	P903	Z7	M14R	14
55 J 547	VS336	.25	.16	1 1/2	1 1/2x2 1/32"	1/8	230	A-100	P920	Z4NL	M13R	13
55 J 738	VS400*	2.65	1.80	4.2	1 1/2x1 1/2"	1/2	H233	E233	P696		TR233	
55 J 167	VS401*	.50	.34	1.4	1 1/2x1 1/2"	1/2	HG401	E401			RM401	R401
55 J 784	VS1073	.35	.24	4 1/2	1 1/2x1 1/2"	1/2 oz.	AL-N	E90	P9100	ZM9100	MN9100	
55 J 785	VS1149	.95	.65	4 1/2	2 1/2x1 1/2"	1 oz.		333	P1306		MN1306	
55 J 786	VS1334	.50	.33	1 1/2	3/8x1 1/2"	1 oz.	AL9	E91	P9		MN1500	
55 J 787	VS1335	.75	.51	1 1/2	1 1/2x2"	2 oz.	AL1	E93			MN1400	

INDUSTRIAL AND SPECIAL-PURPOSE BATTERIES

Stock No.	Mfr's Type	List Price	NET EACH	Volts	Size	Lt. Wts.	Burgess	Eveready	Philco	Zenith	Mallory	Ray-O-Vac
55 J 788	VS006S	1.25	.84	1 1/2	2 1/2x6 3/8"	1 1/2	6	781	6		M905	6 Ign. S
55 J 733	VS028	1.25	.88	4 1/2	2 1/2x3 7/8x1 3/8"	1 1/2	5360	773	P5B		M714	714
55 J 734	VS029	2.35	1.65	7 1/2	3 3/4x2 1/2x3 1/8"	1 1/2	F4H	509	P4F		M713	713
55 J 755	VS040C	1.19	.79	6	2 3/4x2 3/4x1 1/2"	1 1/2	F4BP	510S			M908	941
55 J 739	VS040S	1.19	.79	6	2 3/4x2 3/4x1 1/2"	1 1/2					M915	941S
55 J 789	VS106	1.25	.84	1 1/2	2 1/4x2 1/4x4 3/8"	1 1/4	4FH	735			M900	900
55 J 790	VS144*	1.10	.75	1.4	5/8x1 1/2"	2 oz.	HG12	E12			RM12R	
55 J 791	VS145*	.30	.20	1.0	3/8x1 1/2"	1/2 oz.	HG400R	E400			RM400R	
55 J 792	VS177*	.45	.30	1.4	5/8x2"	1/2 oz.	HG630	E630	P630		RM630	
55 J 793	VS317	2.75	1.83	6	5 1/2x2 2 1/2x4 1/4"	3	TW1	731			M918	918

SONOTONE RECHARGEABLE BATTERY

Model FC-3. Rechargeable heavy-duty flashlight battery that can be used in place of 2 "D" cells. End of battery unscrews to expose prongs—unlt plugs into any 110 v. AC wall outlet. Built-in charger fully charges nickel-cadmium cells overnight. Battery will power a PR-2 bulb continuously for 2 hours without recharge. Leak-proof; cannot overcharge. 1 1/2x4 1/4". Shpg. wt. 10 oz.



Recharges in any AC outlet... charges overnight

55 J 332, 1-3, EA. 8.50
4-35, EACH 7.80
36-C, EACH 7.20
FC-2, As above, but powers PR-2 bulb for 45-55 minutes. 8 oz.
55 J 331... NET EACH 5.57

9-VOLT TRANSISTOR BATTERY

- Big Savings! Stock Up Now
- Fits Most Portable Transistor Radios—American and Japanese Makes



Only **21c**
Priced so low you can replace your weak or dead batteries at real savings! Replaces Burgess 2U6, RCA VS323, Eveready 216, Zenith Z216, Mallory M1604, NEDA and R-O-V 1604, Ray-O-Vac 1604, Morathon 1604, Western Auto 3B6469, General 179, Ward 123, Sears 6417, and many others. Size, 1 1/2x3 3/4x1". From Japan. Wt., 2 oz.
55 J 119... EACH, ONLY .21

Burgess Batteries



BATTERIES FOR ALL APPLICATIONS

- Includes Most Up-to-Date Types
- Always a Fresh Supply at Allied

Most portable batteries are listed below. We can supply additional replacements if make and models to be replaced are known.



MERCURY BATTERIES FOR RADIOS, HEARING AIDS, INDUSTRIAL USES

Stock No.	Mfr's Type	List Price	NET EACH	Volts	Size	Wt. Lbs.	Replaces					
							Eveready	Mallory	RCA	Philco	Zenith	Ray-O-Vac
55 J 365	Hg-1R	\$0.65	.44	1.35	2 1/2 x 3 1/2 dia.	1/8	E1	RM-1R	VS143			
55 J 366	Hg-3R	.80	.54	1.35	2 1/2 x 1 1/2 dia.	1/8	E3	RM-3R				
55 J 367	Hg-4R	1.05	.69	1.35	2 1/2 x 1 1/2 dia.	1/8	E4	RM-4R				
55 J 525	Hg-9	.75	.51	1.4	1 1/2 x 1 1/2 dia.	1/8	E9	ZM-9	VS313	P9	Z9	15M
55 J 368	Hg-12R	1.25	.82	1.35	2 x 3/4 dia.	1/8	E12	RM-12R	VS144			
55 J 369	Hg-42R	2.75	1.85	1.35	2 3/4 x 1 1/2 dia.	3/8	E42	RM-42R				
55 J 763	H126	1.25	.85	8.4	1 3/4 x 1 1/2 dia.	1/2	E126	TR-126	VS327			
55 J 370	H133	1.50	1.00	4.2	2 x 2 1/2 dia.	1/2	E133	TR-133	VS149			1304M
55 J 529	H146	1.50	1.02	8.4	1 x 1 1/2 x 1 1/2 dia.	1/2	E146	TR-146	VS312	P146	Z146	1604M
55 J 762	H162R	1.30	.87	2.7	3/4 x 3/4 dia.	1/2	E162	TR-162R				
55 J 530	H163	1.50	1.02	4.2	1 3/4 x 2 1/2 dia.	1/2	E163	TR-163	VS163			
55 J 532	H165	1.75	1.15	5.6	1 3/4 x 2 1/2 dia.	1/2	E164	TR-164	VS164			
55 J 533	H177	1.75	1.50	7	2 1/4 x 2 1/2 dia.	1/2	E165	TR-165	VS165			
55 J 115	H233	2.65	1.80	4.2	1 1/2 x 2 3/4 dia.	1/2	E177	TR-177	VS309A			1606
55 J 534	Hr-312	.35	.24	1.4	1 1/2 x 1 1/4 dia.	1/4	E233	TR-233	VS400	P696		
55 J 764	Hg-400	.26	.19	1.4	3/4 x 3/4 dia.	1/8		RM-312	RM-400			
55 J 535	Hg-400R	.35	.24	1.35	3/4 x 2 3/4 dia.	1/8		RM-400R				
55 J 536	Hr-401	.50	.34	1.4	1 1/4 x 2 3/4 dia.	1/8	E400	RM-401	VS140	P841A	Z979	R401
55 J 765	Hg-401R	.55	.36	1.35	1 1/4 x 2 3/4 dia.	1/8	E401	RM-401R				
55 J 537	Hr-450R	.50	.34	1.35	3/4 x 2 3/4 dia.	1/8		RM-450R				
55 J 524	Hg-502R	.96	.62	1.35	1 1/2 x 1 1/2 dia.	1/4		RM-502R				
55 J 539	Hg-520	.25	.16	1.4	3/2 x 1/2 dia.	1/8	E502	RM-520				
55 J 540	Hg-601R	1.00	.65	1.35	1 1/2 x 1 1/2 dia.	1/4		RM-601R				
55 J 768	Hg-625	.45	.30	1.4	1 1/2 x 1 1/2 dia.	1/4		RM-625				
55 J 541	Hg-625R	.50	.34	1.35	1 1/2 x 1 1/2 dia.	1/4	E625	RM-625R				
55 J 542	Hg-630	.45	.30	1.4	1 1/2 x 1 1/2 dia.	1/4		RM-630		P630		
55 J 767	Hg-630R	.50	.34	1.35	1 1/2 x 1 1/2 dia.	1/4	E630	RM-630R	VS150	P640		
55 J 543	Hg-640	.45	.30	1.4	1 1/2 x 1 1/2 dia.	1/4	E640	RM-640				
55 J 766	Hg-640R	.50	.34	1.35	1 1/2 x 1 1/2 dia.	1/4		RM-640R				
55 J 544	Hg-675	.40	.26	1.4	1 3/4 x 2 3/4 dia.	1/4		RM-675				
55 J 538	303145	9.10	6.33	8.4	2 1/4 x 2 1/4 x 4 3/8	3/8	E675	RM-675				

PORTABLE BATTERIES FOR TRANSISTOR RADIOS

55 J 769	2MN6	.98	.65	9	1 x 3/4 x 1 1/4 dia.	1/8	216		VS323			
55 J 661	2N6	1.85	1.30	9	2 3/4 x 1 1/4 x 1 3/8	1/4	246	M-1602	VS305	P178		1602
55 J 520	2U6	.69	.48	9	1 1/2 x 3/4 x 1 1/4	1/8	216	M-1604	VS312			1604
55 J 106	2Z3	1.59	1.11	4 1/2	1 x 1 1/4 x 2 1/2	1/4	243	M-1610	VS324			1610
55 J 340	7	.15	.10	1 1/2	1 x 1 1/2 dia.	1/8	912	M-24F	VS074			400
55 J 099	130	.25	.16	1 1/2	1 1/2 x 3/4 dia.	1/8	635	M-14R	VS335	K P903	Z912	1400
55 J 100	230	.25	.16	1 1/2	2 3/4 x 1 1/4 dia.	1/4	A100	M-13R	VS336	P920	Z2NL	13
55 J 101	930	.25	.16	1 1/2	1 1/2 x 3/4 dia.	1/8	1015E	M-15R	VS034	P15	Z8	15
55 J 666	A4	1.00	.69	6	2 1/2 x 1 1/2 x 1 1/2	1/4						
55 J 670	C6X	1.10	.9	9	2 1/4 x 1 1/2 x 1 1/2	3/8	2356					
55 J 098	D5	1.50	1.05	7 1/2	2 3/4 x 2 x 2 3/4	1/2	707	M-26	VS315	P26	Z707	26
55 J 652	D6	1.80	1.26	1	3 1/2 x 2 x 2 1/2	1						
55 J 667	D6PI	2.50	1.76	3, 6, 9	7 1/4 x 1 1/4 x 2 1/2	1 1/2	276	M-1603	VS306	P88	Z276	1603
55 J 103	D6S	1.95	1.36	9	2 1/4 x 1 1/4 x 2 1/2	1 1/8	2506	M-1601	VS301			1601
55 J 174	L6	.75	.53	9	3 1/2 x 2 1/4 dia.	1/2	2761	M-1608				1611M
55 J 102	M6	1.50	1.05	9	1 1/2 x 1 1/2 x 2 1/4	1/2	206		VS337			
55 J 665	NE	.125	.08	1 1/2	1 1/4 x 1 1/4 dia.	1/4	266	M-1605	VS322	P1605		
55 J 093	P6	.80	.62	9	1 1/4 x 1 dia.	1/4	226		VS300	P91	Z266	716
55 J 770	PM6	1.19	.80	9	1 1/4 x 1 dia.	1/4	226		VS300			1600
55 J 657	XX9	1.50	1.05	9, 13 1/2	1 1/2 x 2 1/2 x 2 1/2	1/4	239		VS304			1900
55 J 364	Y6	1.20	.83	9	1 1/2 x 1 1/2 x 1 1/2	1/4	E177	M-1900	VS309A			1606

PORTABLE "A" BATTERIES

55 J 017	1	.20	.13	1 1/2	1 1/2 x 3/4 dia.	1/4	935	M-14F	VS035A	P903	Z7	11P
55 J 051	2D	1.20	.84	1 1/2	2 3/4 x 1 1/2 dia.	1/4	720	M-18	VS069			18
55 J 049	2R	.20	.13	1 1/2	2 3/4 x 1 1/2 dia.	1/4	950	M-13R	VS036	D920	Z2NL	20P
55 J 644	21R	.45	.32	1 1/2	4 1/4 x 1 1/4 dia.	1/2	964	M-20	VS236	P77	Z5	2LP
55 J 041	B5	2.25	1.58	7 1/2	3 3/4 x 2 1/4 x 2 1/2	1/2	713	M-8	VS129			8
55 J 044	C5	1.50	1.05	7 1/2	2 1/4 x 1 1/4 x 3 1/4	3/4	717	M-9	VS065	P31	Z750	9
55 J 052	D3	1.35	.95	4 1/2	3 1/4 x 1 1/4 x 2 1/4	1/2	726	M-19	VS072			19
55 J 051	F3	1.35	.95	4 1/2	4 x 1 1/4 x 1 1/4	1 1/4	736	M-3	VS067	P38	Z736	A3
55 J 053	T5	1.90	1.32	1 1/2	2 1/2 x 2 1/2 x 3 1/2	1 1/2	W360					A10
55 J 593	Z4	1.00	.70	6	1 3/4 x 1 1/2 x 2 1/2	1/4	724	M-2	VS068			A2

PORTABLE "B" BATTERIES

55 J 570	A30	3.55	2.49	45	3 1/4 x 2 1/4 x 4 3/8	1 1/4	W359	M-206	VS014	P210	Z530	206
55 J 571	B30	4.70	2.29	45	4 1/4 x 2 1/4 x 5 3/8	2 1/4	484	M-207	VS012	P305		207
55 J 596	K45	3.45	2.42	67 1/2	2 1/2 x 1 1/2 x 3 1/2	1/2	457	M-203	VS082			M203
55 J 576	M30	3.85	2.70	45	5 1/4 x 1 1/4 x 3 3/8	2 1/2	482	M-202	VS013	P45	Z457	M202
55 J 597	V60	4.50	3.15	90	3 1/4 x 1 1/4 x 3 1/2	1	490	M-204	VS090	P132	Z490	M204
55 J 669	N60X	4.95	3.47	90	1 1/2 x 1 1/2 x 7 1/4	1 1/4	495	M216	VS316	P190	Z495	
55 J 645	P45	3.10	2.17	67 1/2	1 1/2 x 1 x 3 1/2	1 1/4	477	M211P	VS218		Z477	211P
55 J 651	P60	3.95	2.77	90	1 1/2 x 1 x 7 1/4	1 1/4	479	M-214	VS219	P176	Z90	214
55 J 649	U30	2.50	1.75	45	1 1/2 x 1 1/2 x 3 1/2	1 1/4	415	M-213	VS086	P150	Z415	213
55 J 668	UX45	2.95	2.07	67 1/2	2 1/2 x 1 1/2 x 3 1/4	1 1/4	416	M-217	VS318			
55 J 772	V45	3.50	2.45	67 1/2	2 1/2 x 1 1/2 x 3 1/4	1 1/4	468					
55 J 573	W30PI	3.50	2.33	45	2 1/4 x 1 1/2 x 3 1/2	3/4	733	M-201	VS055	P105	Z455	N30P
55 J 575	XX30	2.75	1.92	45	2 1/2 x 1 1/2 x 3 1/2	3/4	455		VS016	P67	Z67	201
55 J 574	XX45	3.50	2.45	67 1/2	2 1/2 x 1 1/2 x 3 1/2	3/4	467	M-200	VS016	P144	Z437	69N
55 J 586	XX50	4.50	3.15	75	1 1/2 x 1 1/2 x 6 3/8	1 1/4	437	M-212	VS217			200
55 J 581	XX69	6.57	4.60	103 1/2	1 1/2 x 1 1/2 x 1 1/2	1 1/4	W361					69N
55 J 572	Z30	3.95	2.76	45	3 x 2 1/4 x 4 1/8	1 1/2	738	M-205	VS015	P104		205



BATTERIES FOR ALL PURPOSES

If you do not find the battery you need in this listing, write us. Give the make and type of both battery and set. We'll supply an equivalent battery.

"FEATHERWEIGHT" "B" BATTERIES—INCLUDING HEARING AID TYPES



Stock No.	Mfr's Type	List Price	NET EACH	Volts	Size	Shpg. Wt., Oz.	Replaces				
							RCA	Zenith	Sono-tone	Ever-easy	Acous-ticon	Ray-O-Vac
55 J 054	XX15	\$1.95	1.37	22½	1 1/2 x 1 1/2 x 3 3/4"	4			425P	22EW	PN15
55 J 055	XX22	2.45	1.72	33	2 1/2 x 1 1/2 x 3 1/2"	6			433P	33EW	PN22
55 J 060	XX30PI	3.00	2.10	45	2 1/2 x 1 1/2 x 4 1/2"	12		Z30	455P	45EW	PN30F
55 J 104	K-10	1.65	1.10	15	1 1/4 x 7/8 x 1 1/2"	2			417		
55 J 105	K-15	1.75	1.23	22½	1 1/4 x 7/8 x 2 3/4"	2			420		
55 J 061	K-20	2.15	1.51	30	2 1/2 x 1 1/2 x 1 1/4"	3			430		
55 J 062	U10	1.15	.81	15	1 x 3/4 x 1 1/4"	1	VS083	Z11M	211	411	711G
55 J 064	U15	1.50	1.05	22½	1 x 3/4 x 1 3/4"	2	VS084	Z12M	212	412	712H
55 J 066	U20	1.75	1.23	30	1 x 3/4 x 2 1/4"	2	VS085	Z13M	213	413	713G
55 J 069	V10	1.15	.81	15	1 3/4 x 1 1/2 x 1 3/4"	3		Z5M	Z5	503	715G
55 J 075	Y15	1.50	1.05	22½	1 3/4 x 1 1/2 x 1 3/4"	3		Z6M	Z6	505	722G
55 J 068	Y20	1.85	1.30	30	1 3/4 x 1 1/2 x 1 3/4"	3			Z7	506	
55 J 077	Y20S	1.85	1.30	30	1 3/4 x 1 1/2 x 1 3/4"	3				507	

TYPE 2U6—FOR TRANSISTOR PORTABLE RADIO

Fits Most Japanese-Import Models

Nine-volt transistor portable battery that is physically and electrically equivalent to the following American-made batteries: Eveready 216; RCA VS-323; NEDA 1604; Ray-O-Vac 1604; Mallory M1604; General 179; Western Auto 3B6469; Marathon 1604; Montgomery Ward 123; Sears 6417; Zenith 216. Also fits most Japanese imports. Carefully manufactured to assure peak performance. 1 1/2 x 3/4 x 1 1/2". Shpg. wt., 2 oz. 55 J 560, List, \$0.69. NET



STANDARD DRY BATTERIES

Suitable for all radio, laboratory and hobby requirements. Ideal for running model boats, planes, cars, transmitters, etc. Burgess quality construction and insulators allow use of very active ingredients, providing maximum useful life. All have exceptionally large power reserves and highly active depolarizing agents which automatically regenerate power producing capacity when battery is not being used. Letters following battery type numbers denote terminals: P1—plug-in terminals; terminals. All others have screw terminals.



SC—spring-clip

"A" BATTERIES

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	NET EACH
55 J 590	2BBP	1½	1 1/2 x 2 1/2 x 2 1/2"	1/8	1.16
55 J 001	2F	1½	2 1/2 x 1 1/2 x 1 1/2"	1/8	1.77
55 J 010	2F2H	3	2 5/8 x 2 3/8 x 4 1/8"	1 1/2	2.23
55 J 033	2F2BP	3	2 5/8 x 2 3/8 x 4 1/8"	1 1/2	2.23
55 J 002	2F4	6	4 x 2 1/2 x 4 3/4"	2 1/2	2.73
55 J 030	2FBP	1½	2 1/2 x 1 1/2 x 1 1/2"	1/8	.79
55 J 585	222P1	3	1 5/8 x 1 1/2 x 2 1/2"	1/4	.68
55 J 048	37	3	6 1/4 x 1 1/2" dia.	3/4	.65
55 J 003	4F	1½	2 3/8 x 2 3/8 x 4 1/2"	1 1/2	1.15
55 J 034	422	3	2 5/8 x 2 3/8 x 1 1/2"	1/4	.57
55 J 026	432	4½	2 1/4 x 1 1/2 x 2 1/2"	1/4	.66
55 J 012	44	1½	4 5/8 x 1 1/2" dia.	3/4	1.75
55 J 045	5R	1½	2 1/8 x 1 1/2" dia.	3/4	.68
55 J 091	532	4½	2 1/2 x 1 1/2 x 2 1/2"	1/4	.84
55 J 595	6F	1½	4 3/8 x 2 1/4 x 4 1/4"	2 1/4	1.93
55 J 004	8F	1½	3 1/2 x 2 3/8 x 5 1/2"	3	2.42
55 J 046	8R	1½	1 3/4 x 1 1/2" dia.	1/4	.12
55 J 047	9R	3	1 3/4 x 1 1/2" dia.	1/4	.94
55 J 582	B2BP	3	1 3/4 x 1 1/2 x 2 1/2"	1	.79
55 J 011	F2BP	3	2 1/2 x 1 1/2 x 4 1/2"	1	.79
55 J 009	F4BP	6	2 3/8 x 2 3/8 x 4"	1 1/2	1.79
55 J 007	F4PI	6	2 3/8 x 2 3/8 x 4 1/8"	1 1/2	1.16
55 J 008	G3	4½	4 1/4 x 1 1/2 x 4 1/2"	1 1/4	1.05

"B" BATTERIES

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	NET EACH
55 J 556	10308PI	45	8 1/2 x 4 1/2 x 7 3/8"	11 1/2	4.84
55 J 557	10308SC	45	8 1/2 x 4 1/2 x 7 3/8"	11 1/4	4.84
55 J 555	21308SC	45	8 1/4 x 4 1/2 x 7 3/8"	13	5.36
55 J 558	2308SC	45	8 3/4 x 4 1/2 x 7 3/8"	8	3.84
55 J 560	4156	22½	3 1/2 x 2 1/2 x 2 1/2"	1	1.61
55 J 561	5156PI	22½	4 1/4 x 2 1/2 x 2 3/8"	1 3/4	3.12
55 J 562	5156SC	22½	4 1/4 x 2 1/2 x 2 3/8"	1 3/4	3.12
55 J 559	5308	45	4 1/4 x 2 1/2 x 5 1/8"	1	3.05
55 J 594	U-200	300	2 1/2 x 2 1/2 x 3 1/2"	4 1/2	3.47
55 J 107	D30	45	5 1/2 x 2 1/2 x 7 5/8"	4 1/2	3.47
55 J 109	Z30T	45	3 x 2 3/4 x 4 1/2"	1 1/2	2.62
55 J 567	W30BPX	45	3 x 1 1/4 x 3 3/4"	3/4	2.49
55 J 569	Z30N X	45	1 7/8 x 3 1/2 x 4 1/2"	1 1/2	2.69
55 J 598	Z60BP	90	3 3/4 x 2 1/2 x 5 1/8"	2 1/4	4.90

"C" BATTERIES

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	NET EACH
55 J 583	2370	4½	3 1/2 x 1 1/2 x 2 1/4"	1/4	1.33
55 J 563	2370PI	4½	4 1/4 x 1 1/2 x 2 1/4"	1	1.58
55 J 565	5360	4½	2 3/8 x 1 1/2 x 2 3/4"	1/2	1.88
55 J 564	5540	7½	4 x 1 1/2 x 2 1/4"	1/2	1.65
55 J 591	AYBP	1½	2 3/4 x 2 3/4 x 2 1/2"	1 1/2	3.76
55 J 566	BS1P	4½	4 3/4 x 1 1/2 x 2 3/4"	3/4	2.63
55 J 568	WSBP	7½	2 1/2 x 2 3/4 x 1 1/4"	1/4	1.47

FLASHLIGHT BATTERIES

Burgess batteries have chrome protected cells for guaranteed freshness. Leak-proof construction guards your flashlight against corrosion. Types 2 and 210 cells sealed in plastic and steel. Type 1 (size C)—for baby tubular flashlights; Types 2 and 210 (size D)—for standard flashlights; Type 2 (size AA)—for standard penlights; Type 7 (size AAA)—for slim penlights; Type N—for miniature and novelty lights. *Heavy-duty type—last up to 2 1/2 times longer than No. 2 cells. Av. wt., 5 oz.



Stock No.	Mfr's Type	Size (Lx Dia.)	List	NET EACH	Replaces	
					Ever-easy	Ray-O-Vac
55 J 017	1	1 1/2 x 6 3/8"	.20	.13	935	1LP
55 J 005	2	2 3/8 x 1 1/2"	.20	.13	950	2LP
55 J 340	1	1 1/2 x 7 1/2"	.15	.10	912	400
55 J 071	210*	2 1/2 x 1 1/2"	.25	.16	1050	3LP
55 J 506	N	1 1/4 x 7/8"	.125	.08	904	71R
55 J 020	Z	1 3/4 x 3 3/4"	.15	.10	915	7R

PORTABLE "AB" PACKS

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	NET EACH	Replaces Ray-O-Vac
55 J 654	4TZ60	1½, 90	7 1/4 x 2 1/2 x 3 1/2"	4	4.38	410
55 J 578	6TA60	1½, 90	9 1/2 x 2 1/2 x 4 1/2"	4 1/2	5.48	410
55 J 580	6FA60	7½, 90	9 1/2 x 2 1/2 x 4 1/2"	6	5.43	401
55 J 589	6GA60P	9, 90	9 7/8 x 2 1/4 x 4 1/2"	6 1/2	5.57	406
55 J 579	6GB60	9, 90	1 3/2 x 2 1/4 x 4 1/2"	7	5.78	400
55 J 761	6GM60	7½, 90	10 3/8 x 3 1/8 x 4 1/2"	6	6.62	402
55 J 653	TSZ50P	7½, 75	8 1/2 x 3 1/4 x 2 1/2"	3 1/2	4.83	431
55 J 587	TOZ60	7½, 90	2 3/8 x 8 1/8 x 3 1/8"	4 1/2	4.87	405
55 J 646	TGZ60P	9, 90	2 3/8 x 8 1/8 x 3 1/8"	4 1/2	5.22	428

IGNITION, TELEPHONE AND ALARM BATTERIES

Designed for emergency illumination, portable lighting, alarm systems. Used by railroads, police, fire departments and emergency crews. Dependable, leakproof metal container. Types 4F2H and 4FH recommended for general ignition, telephone and lantern service. etc.

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt., Lbs.	NET EACH
55 J 013	4FH	1½	2 1/2 x 2 3/8 x 4"	2 1/2	.84
55 J 015	4F2H	3	3 1/2 x 2 1/4 x 5 1/2"	2 1/2	1.45
55 J 014	4F4H	6	8 1/2 x 2 1/4 x 5 1/2"	6 1/4	3.34
55 J 584	4F5H	7 1/2	7 1/2 x 3 1/2 x 5 1/2"	7 1/2	4.86
55 J 021	4FH	9	8 1/2 x 3 1/2 x 5 1/2"	9	5.53
55 J 641	6-ign.	1½	6 1/2 x 2 1/2" dia.	2	.84
55 J 642	6-Tel.	1½	6 1/2 x 2 1/2" dia.	2 1/2	.84
55 J 647	6-Ind.	1½	6 1/2 x 2 1/2" dia.	2	.90
55 J 643	S461	6	10 1/2 x 2 1/4 x 7 1/2"	8 1/2	3.34

LANTERN BATTERIES

For use with railroad-type lanterns. Type F4H has positive coiled spring contacts—a favorite of railroadmen. Type TWIS for underwater use.

Stock No.	Mfr's Type	Volts	Size	Wt., Lbs.	NET EACH
55 J 015	4F2H	3	3 1/2 x 2 1/4 x 5 1/2"	2 1/2	1.45
55 J 016	F4H	6	2 3/8 x 2 3/8 x 4"	1 1/2	.79
55 J 009	F4BP	6	2 3/8 x 2 3/8 x 4"	1 1/2	.79
55 J 113	F4SC	6	2 3/8 x 2 3/8 x 4 1/2"	1 1/2	.79
55 J 658	TW1	6	5 1/2 x 2 1/2 x 4 1/2"	3 1/4	1.83
55 J 114	TWIS	6	5 1/2 x 2 1/2 x 4 1/2"	4 3/4	2.05
55 J 500	TW2	12	5 1/2 x 2 1/2 x 4 1/2"	3 1/4	1.83

SPECIAL-PURPOSE TAPE RECORDER BATTERIES

Extremely compact, highly dependable batteries. Designed specifically for use in pocket tape recorders. *Flat contact. †Snap type.

Stock No.	Type	Volts	Size	Lbs.	NET
55 J 110	2X62X†	1½, 9	2 1/4 x 1 1/2 x 2 1/4"	1/2	1.82
55 J 111	2X7†	10½	2 3/8 x 1 1/2 x 2 1/4"	1/2	1.82
55 J 112	3X7*	10½	1 3/4 x 1 1/2 x 3 3/8"	1/2	2.00

Mallory and Burgess Batteries



MALLORY MERCURY TRANSISTOR RADIO BATTERIES

Assure peak performance of portable radios. Feature uniform discharge voltage, exceptionally long storage life.

As new mercury batteries become available from the manufacturer, Allied will stock them. Av. shpg. wt., 2 oz.

Stock No.	Mallory Type	NET EACH	Volts	Size (Dia. x Ht., or HWD)	Replaces				
					Eveready	Burgess	RCA	Philco	Zenith
55 J 671	ZM-9	.51	1.4	1/2x1 1/2"	E9	HG9	VS-313	P9	Z8
55 J 685	DM-9N	.54	1.4	1/2x1 1/2"	E9N	HG9	VS-313	P9	Z8
55 J 509	TR-133	1.00	4.2	2 1/2x2"	E133	H133	VS-149	P133	Z146
55 J 688	TR-146	1.02	8.4	1x1 1/2x1 1/2"	E146	H146	VS-312	P146	Z146
55 J 503	TR-164	1.15	5.6	2 1/2x1 1/2"	E164	H164	VS-164		
55 J 506	TR-175	1.02	7.0	3/4x1 3/4"					
55 J 508	TR-177	1.15	9.8	1 1/2x1 3/4"	E177	H177	VS-309A		
55 J 701	TR-233	1.60	4.2	1x2"	E233	H233	VS-400	P696	
55 J 502	RM-42	1.70	1.4	1 1/2x2 1/2"	E42				
55 J 709	RM-401	.34	1.4	1 1/2x2 1/2"	E401	HO401	VS-401		
55 J 503	RM-630	.30	1.4	3/4x1 1/4"	E630	HO630	VS-147	P630	
55 J 504	RM-640	.30	1.4	3/4x1 1/4"	E640	HO640	VS-150	P640	

MALLORY MERCURY BATTERIES

Extremely long shelf life, uniform discharge voltage and extended operating life make these units ideal for applications where high reliability is required. Suffix T of RM batteries indicates 1/2" tab on negative terminal; T2 indicates two tabs. TR batteries are transistor powerpaks with self-venting construction designed to relieve excess gas which may form. Powerpaks are widely used by designers and manufacturers of all types of electronic equipment. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Volts	Size (Dia. x Ht., or HWD)	NET EACH
55 J 510	RM1	1.4	3/4x2 1/2"	.38
55 J 703	RM1R	1.35	3/4x2 1/2"	.44
55 J 371	RM1RT	1.35	3/4x2 1/2"	.49
55 J 372	RM1RT2	1.35	3/4x2 1/2"	.53
55 J 704	RM3R	1.35	1x1 1/2"	.54
55 J 705	RM4R	1.35	1 1/8x2 1/2"	.69
55 J 679	RM4RT	1.35	1 1/8x1 1/4"	.74
55 J 373	RM4Z	1.4	3/4x1 1/4"	.58
55 J 511	RM12	1.4	3/4x1 1/4"	.75
55 J 706	RM12R	1.35	3/4x1 1/4"	.82
55 J 374	RM12RT	1.35	3/4x1 1/4"	.87
55 J 512	RM12RT2	1.35	1 1/8x1 1/4"	.92
55 J 687	RM42R	1.35	1 1/8x2 1/2"	1.85
55 J 680	RM42RT	1.35	1 1/8x2 1/2"	1.90
55 J 375	RM42RT2	1.35	1 1/8x2 1/2"	1.95
55 J 681	RM400R	1.35	1 1/8x1 1/2"	2.24
55 J 513	RM411	14.0	1x1 1/2x1 1/2"	2.00
55 J 514	RM412	22.4	1x1 1/2x1 1/2"	2.55
55 J 515	RM413	28.0	1x1 1/2x2 1/2"	3.25
55 J 516	RM415	42.0	1 1/2x1 1/2x3 1/2"	5.10
55 J 682	RM50R	1.35	1 1/2x1 1/2"	.34
55 J 707	RM502R	1.35	1 1/2x2"	.62
55 J 683	RM601R	1.35	3/4x1 1/4"	.65
55 J 684	RM625R	1.35	3/4x1 1/4"	.34
55 J 708	RM625RT	1.35	3/4x1 1/4"	.44
55 J 376	RM625RT2	1.35	3/4x1 1/4"	.40
55 J 517	RM640RT	1.35	7/8x3 1/2"	.26
55 J 548	RM675	1.4	2 1/2x1 1/4"	1.29
55 J 690	TR-113R	4.05	2 1/2x2 1/2"	1.50
55 J 691	TR-114R	5.4	2 1/2x1"	1.60
55 J 518	TR-114RT2	5.4	1 1/2x3 1/4"	1.70
55 J 672	TR-132R	6.75	2 1/2x1 1/2"	1.92
55 J 673	TR-132R	6.75	2 1/2x1 1/2"	1.92
55 J 675	TR-134R	5.4	2 1/2x2 1/2"	1.85
55 J 676	TR-135R	6.75	2 1/2x3 1/4"	2.18
55 J 677	TR-136R	8.1	2 1/2x3 3/4"	1.55
55 J 689	TR-145	7	2 1/2x1 1/4"	.78
55 J 678	TR-152R	2.7	1 1/2x1 1/2"	1.02
55 J 692	TR-153R	4.05	1 1/2x2 1/4"	.87
55 J 693	TR-162R	2.7	2 1/2x2 1/4"	1.50
55 J 519	TR-163	4.2	2 1/2x2 1/4"	1.50
55 J 520	TR-165	7.0	2 1/2x2 1/4"	3.20
55 J 359	TR-169	12.6	2 1/2x3 1/4"	2.50
55 J 360	TR-234R	5.6	1 1/2x1 1/4"	6.33
55 J 361	303145	8.4	4 3/8x1 1/2x2 1/8"	

MALLORY GRID BIAS CELL AND CELL CLIPS

Grid Bias Cell Type BC-3. (Not illus.) For biasing first audio amplifier tubes. No by-pass capacitor to ground is needed. Stock units with clips listed below. 1 1/2 volts. Size, 1 1/2x3/4". Shpg. wt., 2 oz. \$0.40

Blas Cell Clips. Clips to hold grid bias cells listed above. 1 1/2" tinned leads. Cells easily inserted or removed. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Capacity	List	EACH
55 J 842	GB-15	2-cell	\$0.40	
55 J 843	GB-16	4-cell	.40	
55 J 844	GB-17	1-cell	.40	.26

BURGESS WINK-LIGHT BATTERY AND BULB KIT



For Polaron Wink-Lights

Type K30P-K. Battery and bulb replacement kit. Includes a 45-volt, K30P battery, designed especially for Wink-Light operation, and a No. 428 bulb. Battery has extra-long shelf-life—metal jacket prevents leakage. Kit is specified by camera manufacturer as replacement for original Wink-Light equipment. 1 lb. \$1.67

BURGESS BATTERY ENGINEERING MANUAL

Treats dry batteries and curves for estimating performance, cell types, performance on standard tests, terminal illustrations and dimensions, reserve type power units, etc. Illustrated. 134 pages. 6x9 1/2". \$1.00

BURGESS NICKEL-CADMIUM BATTERIES



High energy, compact, hermetically sealed nickel-cadmium batteries and cells. Long-lasting, economical power—may be recharged many times. Batteries respond equally well to a trickle charge or a quick charge. Unaffected by idle periods. Supplied with solder lug terminals. Prismatic has binding posts; others with pressure contacts. 110 hour rate (ma.). Sealed in steel.

BUTTON CELLS

Stock No.	Type	Volts	Size	Oz.	Discharge	Ma EACH
55 J 377	CD1	1.22	2 3/4x3/4"	2	2	1.16
55 J 378	CD2	1.22	2 3/4x3/4"	2	5	.81
55 J 380	CD3	1.22	2 3/4x3/4"	2	15	.92
55 J 381	CD3L*	1.22	2 3/4x3/4"	2	15	1.01
55 J 382	CD4L*	1.22	2 3/4x3/4"	2	22	.95
55 J 383	CD5	1.22	2 3/4x3/4"	2	22	1.21
55 J 384	CD5L*	1.22	2 3/4x3/4"	2	45	1.47
55 J 497	CD8	1.25	1 1/2x1 1/4"	2	10	1.60
55 J 498	CD8L*	1.25	1 1/2x1 1/4"	2	10	.99

CYLINDRICAL CELLS

Stock No.	Type	Volts	Size	Oz.	Discharge	Ma EACH
55 J 385	CD6	1.20	3 1/4x1 1/4"	2	45	1.93
55 J 386	CD6L*	1.20	3 1/4x2 1/2"	2	45	2.20
55 J 387	CD7L*	1.20	1 1/2x2 1/4"	7	250	3.50
55 J 499	CD9	1.22	1 1/2x2 1/4"	3	250	3.75
55 J 836	CD10	1.25	3 1/4x3 1/4"	7	90	3.01
55 J 837	CD10L*	1.25	1 1/2x2 1/4"	2	400	6.12
55 J 838	CD11	1.25	1 1/2x2 1/4"	2	400	6.40
55 J 839	CD11L*	1.25	1 1/2x2 1/4"	2	300	4.53
55 J 840	CD12	1.25	7 1/4x1 1/4"	2	120	2.70

NICKEL CADMIUM BATTERIES

Stock No.	Type	Volts	Size	Oz.	Discharge	Ma EACH
55 J 389	CD21	6.1	1 1/2x1 1/2"	12	15	5.74
55 J 390	CD22	6.1	1 1/2x1 1/2"	12	22	5.90
55 J 391	CD23	6.1	1 1/2x1 1/2"	12	45	10.15
55 J 392	CD24	9.7	1 1/2x2 1/2"	16	15	9.39
55 J 393	CD25	9.7	1 1/2x3 1/4"	12	22	9.58
55 J 394	CD26	9.7	1 1/2x2 1/4"	16	15	15.85
55 J 395	CD27	12.2	1 1/2x2 1/4"	12	22	11.56
55 J 396	CD28	12.2	1 1/2x3 1/4"	12	22	11.95
55 J 397	CD29	12.2	1 1/2x3 1/4"	10	45	19.90
55 J 398	CD30	6.0	3 1/4x1 1/2x1 1/2"	16	90	19.96
55 J 399	CD31	6.0	3 1/4x1 1/2x3 1/4"	36	150	23.79

NICKEL CADMIUM HIGH CURRENT PRISMATICS

Stock No.	Type	Volts	Size	Oz.	Discharge	Ma EACH
55 J 343	CD100	1.25	3 1/4x1 1/2x1 1/2"	8	150	6.44
55 J 344	CD101	1.25	2 1/2x1 1/2x1 1/2"	8	200	6.38
55 J 345	CD102	1.25	3 1/4x1 1/2x1 1/2"	12	350	7.25
55 J 346	CD103S	1.25	3 1/4x1 1/2x1 1/2"	12	400	12.40
55 J 347	CD104	1.25	3 1/4x1 1/2x1 1/2"	16	450	9.89
55 J 348	CD105	1.25	3 1/4x1 1/2x1 1/2"	16	600	10.98
55 J 349	CD106S	1.25	4 1/4x1 1/2x1 1/2"	16	700	14.10
55 J 352	CD107	1.25	4 1/4x1 1/2x1 1/2"	20	750	10.42
55 J 353	CD108	1.25	4 1/4x3 1/4"	32	1100	13.32
55 J 354	CD109	1.25	4 1/4x3 1/4"	36	1500	16.48
55 J 355	CD110	1.25	4 1/4x3 1/4"	52	1900	19.00
55 J 358	CD111	1.25	4 1/4x3 1/4"	52	2300	25.24

Sencore Transi-Pak PS103. 0-24 v. DC power supply for charging CD batteries. 5 1/4x2 1/4". For 110-120 v., 60 cycle AC. 2 lbs. \$24.45

BURGESS PHOTO-FLASH BATTERIES

Designed for high initial current discharge.

Stock No.	Mfr's Type	Volts	Size	Shpg. Wt.	NET EACH	Replaces Eveready
55 J 038	1203	1 1/2	1 1/2x1 1/2"	4 oz.	.16	835
55 J 037	2203	1 1/2	2 1/2x1 1/2"	6 oz.	.16	850
55 J 039	9203	1 1/2	1 1/2x1 1/2"	4 oz.	.13	815
55 J 052	D3	4	3 7/8x1 1/2x2 1/4"	3/4 lb.	.95	726
55 J 596	K45	6 1/2	2 1/2x1 1/2x2 1/4"	1/2 lb.	2.42	457
55 J 576	N130	45	3 1/2x1 1/2x5 1/2"	2 lbs.	2.70	482
55 J 659	N150	225	4 1/4x2 1/4x4 1/4"	2 1/2 lbs.	6.13	492
55 J 597	V60	90	3 1/2x1 1/2x3 3/4"	1 lb.	3.15	490
55 J 062	U10	15	1 1/2x3 1/4x1 1/4"	2 oz.	.81	411
55 J 656	U160	240	2 1/2x1 1/2x4 1/4"	3/4 lb.	5.56	491
55 J 066	U20	30	1 1/2x3 1/4x1 1/4"	1 lb.	1.23	413
55 J 594	U200	300	2 1/4x2 1/4x3 3/4"	1 lb.	8.37	493
55 J 660	U320	510	2 1/2x1 1/2x5 7/8"	1 1/2 lbs.	11.66	497
55 J 655	X150	225	4 1/4x2 1/4x4 1/4"	2 1/2 lbs.	6.96	489
55 J 574	X245	67 1/2	2 1/4x1 1/2x3 3/4"	3/4 lb.	2.45	467
55 J 069	V10	15	1 1/2x1 1/2x1 1/4"	3 oz.	.81	504
55 J 075	V15	22 1/2	1 1/2x1 1/2x1 1/4"	3 oz.	1.05	505

BURGESS BATTERIES

NEW MINIATURE BATTERIES—SOLVE DESIGN PROBLEMS

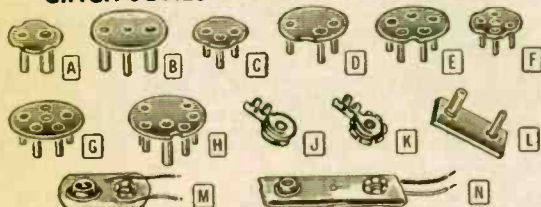
42 new types of miniature batteries help to solve power supply design problems related to transistorized circuits. Unique Wafer Cell construction provides as much as 30% in increased capacity and improved shelf characteristics. Wafer Cell features a "sandwich" of artificial manganese dioxide between discs of flat zinc and carbon electrodes. "Sandwich" is sealed in airtight pflom container. New batteries come in 3 practical power ratings ranging from 3 to 13.5 volts. Economical and dependable power sources for transistorized circuits in radios, cameras, test equipment, transceivers, toys and hobby kits. Av. shgp. wt., 2 oz.



U2 NT 4 PM 2 L3

Stock No.	Mfr's Type	Volts	Terminal Type	Size (HWD)	List Price	NET EACH
55 J 832	K4	6.0	Snap	5/8x1 1/2x3/8	1.10	.77
55 J 833	K5	7.5	Snap	1 1/4x1 1/2x3/8	1.15	.81
55 J 834	K6	9.0	Snap	1 1/2x1 1/2x3/8	1.20	.84
55 J 819	L3	4.5	Flat	1 3/8x1/2 dia.	.65	.45
55 J 820	L4	6.0	Flat	1 3/8x1/2 dia.	.80	.56
55 J 821	L5	7.5	Flat	1 3/8x1 1/2 dia.	1.10	.77
55 J 822	L7	10.5	Flat	2 1/8x3/4 dia.	1.35	.95
55 J 823	L8	12.0	Flat	2 1/8x3/4 dia.	1.45	1.01
55 J 824	L9	13.5	Flat	2 1/8x3/4 dia.	1.55	1.09
55 J 835	N3	4.5	Snap	1 1/2x1 1/2x3/8	.90	.63
55 J 794	N4	6.0	Snap	1 1/2x1 1/2x3/8	1.00	.70
55 J 795	N5	7.5	Snap	1 1/2x1 1/2x3/8	1.10	.77
55 J 796	N6	9.0	Snap	1 1/2x1 1/2x3/8	1.20	.84
55 J 797	NT2	3.0	Flat	3/4x1 1/2 dia.	.80	.56
55 J 798	NT3	4.5	Flat	1 1/2x1 1/2x3/8	.90	.63
55 J 799	NT4	6.0	Snap	1 1/2x1 1/2x3/8	1.00	.70
55 J 800	NT5	7.5	Snap	1 1/2x1 1/2x3/8	1.10	.77
55 J 801	NT6	9.0	Snap	1 1/2x1 1/2x3/8	1.20	.84
55 J 825	PM2	3.0	Flat	3/4x1 dia.	.75	.52
55 J 826	PM3	4.5	Flat	3/4x1 dia.	.90	.63
55 J 827	PM4	6.0	Snap	1 1/2x1 dia.	1.00	.70
55 J 828	PM5	7.5	Snap	1 1/2x1 dia.	1.10	.77
55 J 829	PM7	10.5	Snap	2 1/8x1 dia.	1.30	.91
55 J 830	PM8	12.0	Snap	2 1/8x1 dia.	1.45	1.01
55 J 831	PM9	13.5	Snap	2 1/8x1 dia.	1.55	1.09
55 J 812	U2	3.0	Flat	2 1/2x1 1/2x1 3/8	.55	.39
55 J 813	U3	4.5	Flat	1x1 1/2x3/8	.60	.42
55 J 814	U4	6.0	Flat	1 1/2x1 1/2x3/8	.75	.52
55 J 815	U5	7.5	Flat	1 3/4x1 1/2x3/8	1.00	.70
55 J 816	U7	10.5	Snap	2 1/2x1 1/2x3/8	1.30	.91
55 J 817	U8	12.0	Snap	2 1/2x1 1/2x3/8	1.40	.98
55 J 818	U9	13.5	Snap	2 1/2x1 1/2x3/8	1.50	1.05
55 J 802	V3	4.5	Flat	1 3/4x1 1/2x3/8	.90	.63
55 J 803	V4	6.0	Snap	1 3/4x1 1/2x3/8	1.00	.70
55 J 804	V5	7.5	Snap	1 1/2x1 1/2x3/8	1.10	.77
55 J 805	V6	9.0	Snap	1 1/2x1 1/2x3/8	1.20	.84
55 J 806	V3	4.5	Flat	2 1/2x1 1/2x1 3/8	.60	.42
55 J 807	V4	6.0	Flat	1 1/2x1 1/2x3/8	.75	.52
55 J 808	V5	7.5	Flat	1 1/2x1 1/2x3/8	1.00	.70
55 J 809	V7	10.5	Snap	2 1/2x1 1/2x1 3/8	1.30	.91
55 J 810	V8	12.0	Snap	2 1/2x1 1/2x1 3/8	1.40	.98
55 J 811	V9	13.5	Snap	2 1/2x1 1/2x1 3/8	1.50	1.05

CINCH-JONES PLUGS FOR BATTERIES



Cinch-Jones plugs for "A," "B" and various other batteries. *5 prongs. 5 Fahnestock clips. Av. shgp. wt., 1 oz. 2 per package.

Stock No.	Type	Fig.	For Burgess Battery	For RCA Battery	PKG.
55 J 178	SA1	A	2F, 3F, 6F, 8F, 2D, 8R	VS069, VS070, VS141	.08
55 J 180	SA5	B	B5, C5, J5	VS065	.10
55 J 176	5B1A	C	XX15, XX22, XX30P1		.10
55 J 310	5B2-1	D	A30, B30, M30, W30P1	VS013, VS014	.14
		E	Z30, 10308P1		.14
55 J 183	5B2-2	D*	5156P1		.14
55 J 181	5AB2	F	2TXX40		.12
55 J 177	5AB1-1	G	6TA60, 4TZ60		.17
55 J 182	5AB7	H	F6A60, G6M60, T6Z60	VS019, VS050, VS057W	.19
55 J 301	5M	J	P6, D5, P6M, M6, XX45, XX30, XX50	VS300A, VS315, VS322, VS016	.12
55 J 302	5F	K	K45, P45, P45M, P60, D6, 4D4, N60X, C6X	VS055, VS217, VS082, VS218, VS215, VS219, VS306, VS316	.12
55 J 179	5A3	L	D3, F3, G3	VS067, VS072	.09
55 J 175	5A4	L	2F4, F4P1, XX15, XX22, XX30P1		.10
55 J 184	5D	M	U30, 2U6, 2N6, UX45	VS086, VS323, VS312, VS305	.69
55 J 307	5D1	N	XX50, P45, P45M, P60, N60X, C6X	VS218, VS215, VS219	.67
55 J 308	5D2	N	N60		.67
55 J 309	5MFA	N	XX45, XX30, K45	VS016, VS055, VS082	.67

EVEREADY BATTERIES

ALKALINE ENERGIZER BATTERIES

Revolutionary alkaline energizer batteries specially designed for high drain, continuous service applications. Deliver higher amperage over a much longer period than do standard flashlight batteries. Also feature longer shelf life and greater recuperative powers than conventional zinc-carbon types. Maintain constant output during periods of discharge. Ideal for use in portable TV sets, flashlights, etc. Sizes: E90—N; E91—AA; E93—C; E94—1/2D; E95—D.



Stock No.	Mfr's Type	Volts	Contacts	Size	Oz. Ea.	Replaces RCA	List Price	NET EACH
55 J 845	E90	1 1/2	Flat	1 1/2x1 1/4	2	VS1073	.35	.22
55 J 148	E91	1 1/2	Flat	3/4x1 1/2	2	VS1334	.50	.33
55 J 173	E93	1 1/2	Flat	1 1/2x1 1/4	4	VS1335	.50	.33
55 J 527	E94	1 1/2	Flat	1 1/2x2 1/2	4 1/2	.....	.75	.49
55 J 521	E95	1 1/2	Flat	1 1/2x2 1/2	9	.....	1.10	.73
55 J 149	E97S	1 1/2	Screw	1 1/2x2 1/2	40	.....	4.50	2.99
55 J 151	520	6	Screw	2 1/2x2 1/2x1 1/2	.....	.....	.....	.....

NO. 6 STANDARD IGNITOR BATTERY

Rugged, long-life, 1 1/2 volt general-purpose dry cell battery. Ideal for industrial use, annunciator and signal systems, battery operated ignition systems, etc. Provides 30 ampere-hours of current. Highly active depolarizing agents assure rapid recuperation of battery between uses. Battery maintains constant output of current during discharge. Size, 6 1/2x2 1/2 diameter. With screw terminals. Shgp. wt., 2 lbs. 55 J 686. List, \$1.25. NET



CATHODIC ENVELOPE BATTERIES

Economical zinc-carbon cathodic envelope batteries employ unique "sandwich" type construction to provide 50 to 100% more service-life than conventional types. Zinc anode plate is placed between two flat cakes of cathode mix; metal foil surrounding "sandwich" serves as cathode collector. Foil is bonded to an outer plastic envelope. Required number of cells are then enclosed in a weatherproof battery case.

Stock No.	Type	Volts	Contacts	Size	Lbs.	List	NET
55 J 122	2356	9	Snap	6 1/2x1 1/2x2 3/8	1 1/4	1.60	1.10
55 J 528	2709	9	Snap	4 1/2x4 1/2x1 1/2	1/2	1.50	1.05
55 J 128	2713	6	Min. Snap	4 1/2x1 1/2x2 1/8	3	2.75	1.93
55 J 129	2731	4 1/2	Socket	8 1/2x2 1/2x2 1/8	1 1/2	1.60	1.10
55 J 132	2744	6	Socket	3 7/8x2 1/2x2 1/8	1 1/2	1.60	1.10
55 J 133	2745	6	Springs	4 7/8x2 1/2x2 1/8	1 1/2	1.60	1.10
55 J 142	2746	6	Screw	4 1/2x2 1/2x2 1/8	1 1/2	2.25	1.58
55 J 143	2761	9	Socket	7 1/2x2 1/2x2 1/8	3	2.75	1.93
55 J 144	2762	9	Socket	8 1/2x2 1/2x2 1/8	3	3.40	2.37
55 J 145	2780	12	Socket	4 3/8x2 1/2x5 1/8	1 1/2	1.60	1.10

WILLARD RECHARGEABLE BATTERIES

Type 26-2. For Portable Radios. Compact, rechargeable battery featuring convenient, non-spill construction. Lightweight polystyrene container is extremely sturdy and corrosion-proof. Supplies 2 volts for 21 ampere-hours. Plug-in terminals. Original equipment in G.E. Model 250 and 260 portables. 6x2 1/2x2 3/8. Shpg. wt., 3/4 lbs. 55 JU 851. List, \$12.80. NET



Type ER6-2B. For Photo Flash. As above, but for photo flash units. Supplies 2 v. for 6 amp.-hours. Up to 250 flashes per charge. 1 1/2x2 1/2x4 1/4. 1 1/2 lbs. 55 JU 849. List, \$8.70. NET

Type ER-34-2. For Portable Radios. Supplies 2 volts for 34 ampere-hours. Has plain posts. 1 1/2x2 1/2x4 1/4. Wt., 5/4 lbs. 55 JU 852. List, \$17.05. NET

KEYSTONE BATTERY HOLDERS

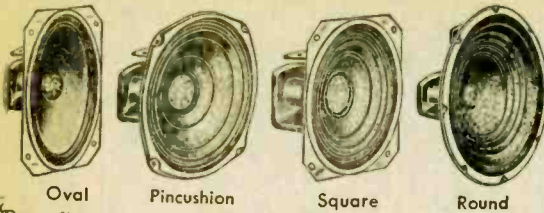
Battery holders for transistor assemblies, radios, meters, model airplanes, etc. Feature snap-clips, moisture-proof fiber washers, mounting holes and aluminum-alloy, nickel-plated eyelets. *End to end. Av. shgp. wt., 3 oz.



Stock No.	Mfr's Type	Holds	Burgess	Mallory	Eveready	NET EACH	
55 J 304	104	1		RM3R	E3	1-19	20-299
						.30	.26
55 J 187	139	1			E-9, E-12, E13, E502, 915, 1015E, 505, 1015E	.23	.21
55 J 188	140	2		RM12R, TR133R, RMS02R, ZM-9		.38	.34
55 J 189	171	3				.49	.44
55 J 190	189	2	*			.64	.57
55 J 311	189	2	*		1015E	.45	.36
55 J 191	173	1			E233, 635,	.30	.26
55 J 192	174	2	1	TR233R		.38	.34
55 J 313	185	2	*		935	.45	.36
55 J 193	137	1			912	.23	.21
55 J 194	138	2	7			.38	.34
55 J 195	154	1			W468	.21	.20
55 J 197	155	2	N	TR152R		.35	.32
				TR132R, TR115R	E132	.30	.24
55 J 198	132	1			D-99, A-100	.30	.26
55 J 185	175	1			724	.38	.34
55 J 201	176	2	2, 2A	RM42R	950	.46	.37
55 J 312	186	2	*			.30	.24
55 J 199	166	1		U10	411	.30	.24
55 J 200	167	1				.30	.24
55 J 186	177	1		U15	RM412R	.38	.34
55 J 202	178	1			413	.30	.24
55 J 203	183	1		U20		.38	.34
55 J 204	184	2				.30	.24
55 J 300	225	1		Y10	504	.21	.20
55 J 303	226	2				.35	.32

Quam, Jensen, Fedtro and Fourjay Speakers

FAMOUS QUAM SPEAKERS FOR REPLACEMENT AND NEW EQUIPMENT USE GENERAL REPLACEMENT SPEAKERS



For radios, phonographs, TV sets, etc. U-shaped pots provide unbroken flux path of proper cross-section to carry full energy of magnetic field. Have heavy gauge metal baskets, large, efficient magnetic structures. All 3 1/2" to 6 1/2" speakers, except 4A05, are supplied with universal mounting bracket. Magnets are Alnico-V. Baked enamel finish. *Indicates very shallow frame. Voice coil impedance, 3.2 ohms except 1speakers for transistor application; voice coil impedance indicated by digits following Z in Type number.

Stock No.	Mfr's Type	Shape	Size	Max. Watts	Magnet Weight	Wt., Lbs.	NET EACH
59 D 424	22A06Z8	Round†	2 1/2"	.25	.45 oz.	1/4	2.79
59 D 425	22A06Z100	Round†	2 1/2"	.25	.45 oz.	1/4	3.09
59 D 422	25A07	Square	2 1/2"	2.0	.65 oz.	1/4	2.35
59 D 426	27A06Z12	Round†	2 3/4"	.25	.55 oz.	1/4	2.76
59 D 453	3A07	Square*	3 1/4"	2.5	.65 oz.	1/4	2.35
59 D 417	4A05	Square	4"	2.5	.55 oz.	1/4	1.73
59 D 421	35A05	Oval	3x5"	2.0	.55 oz.	1/4	2.47
59 D 434	4A07	Square*	4"	3.0	.65 oz.	1/4	2.53
59 D 435	4A1	Square	4"	3.0	1.0 oz.	1/4	2.70
59 D 436	4A15	Square	4"	3.0	1.47 oz.	1/4	2.97
59 D 454	46A07	Oval*	4x6"	3.5	.65 oz.	1/4	2.79
59 D 460	46A1	Oval	4x6"	3.5	1.0 oz.	1	3.00
59 D 461	46A15	Oval	4x6"	3.5	1.47 oz.	1	3.23
59 D 427	48A2	Oval*	4x8"	4.5	1.4 oz.	1	4.67
59 D 484	410A2	Oval	4x10"	6.0	1.4 oz.	1 1/2	5.26
59 D 437	5A07	Pincushion*	5"	3.5	.65 oz.	1/4	2.65
59 D 438	5A1	Pincushion	5"	3.5	1.0 oz.	1	2.95
59 D 439	5A15	Pincushion	5"	3.5	1.47 oz.	1	3.09
59 D 478	52A1	Pincushion	5 1/4"	4.0	1.0 oz.	1	2.91
59 D 433	52A21	Pincushion	5 1/4"	4.0	2.15 oz.	1 1/2	3.56
59 D 405	52C10	Pincushion	5 1/4"	10.0	10.0 oz.	2 1/2	5.85
59 D 455	57A1	Oval	5x7"	5.0	1.0 oz.	1	3.24
59 D 447	57A21	Oval	5x7"	5.0	2.15 oz.	1 1/2	3.97
59 D 440	6A1	Pincushion	6 1/4"	5.0	1.0 oz.	1	3.12
59 D 441	6A15	Pincushion	6 1/4"	5.0	1.47 oz.	1	3.38
59 D 442	6A21	Pincushion	6 1/4"	5.0	2.15 oz.	1 1/2	3.79
59 D 445	6A31	Pincushion	6 1/4"	6.0	3.16 oz.	1 1/2	4.47
59 D 462	69A2	Oval*	6x9"	8.0	1.4 oz.	1 1/2	4.41
59 D 463	69A3	Oval	6x9"	10.0	3.2 oz.	1 3/4	5.41
59 D 428	69A1	Oval	6x9"	6.0	1.2 oz.	1 1/2	3.53
59 D 407	69A15	Oval	6x9"	6.0	1.2 oz.	2 1/2	5.00
59 D 464	7A31	Pincushion	7"	9.0	3.16 oz.	2	5.14
59 D 443	8A21	Pincushion	8"	7.0	2.15 oz.	1 1/2	4.56
59 D 444	8A31	Pincushion	8"	9.0	3.16 oz.	2 1/2	5.29
59 D 465	10A31	Round	10"	9.0	3.16 oz.	2 1/2	6.76
59 D 479	10A4A	Round	10"	10.0	4.64 oz.	3 1/4	7.61
59 D 480	10A6A	Round	10"	12.0	6.8 oz.	4	8.53
59 DX 528	12A31	Round	12"	10.0	3.16 oz.	3 1/2	7.03
59 DX 533	12A6A	Round	12"	14.0	6.8 oz.	4 1/2	9.38

WEATHER-PROOFED OUTDOOR SPEAKERS

Quam speakers with the exclusive "Humi-Gard" cone of plastic impregnated fiber fabric. Specially designed to outlast ordinary moisture-proofed cones. Voice coil impedance, 3.2 ohms. You can save by buying in large quantities. Write for quotations.

Stock No.	Type	Size	Shape	Watts	Magnet	Lbs.	NET
59 D 432	3A070T	3 1/2"	Square	2.5	.65 oz.	1/4	2.35
59 D 467	4A10T	4"	Square	3	1.0 oz.	1	2.73
59 D 431	5A150T	5"	Pincushion	3.5	1.47 oz.	1	3.15
59 D 496	6A150T	6"	Pincushion	5	1.47 oz.	1 1/4	3.53

HIGH-IMPEDANCE INTERCOM SPEAKERS

PM speakers designed for replacement in intercommunications systems. Voice coil impedance is 45 ohms.

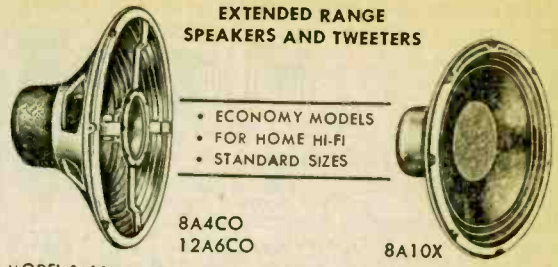
Stock No.	Type	Size	Shape	Magnet	Shpg. Wt.	NET
59 D 481	3A07Z45	3 1/2"	Square	.65 oz.	1/2 lb.	2.50
59 D 482	4A1Z45	4"	Square	1.0 oz.	3/4 lb.	2.85
59 D 483	5A1Z45	5"	Pincushion	1.0 oz.	1 lb.	3.00

FEDTRO ALL-PURPOSE EXTENSION SPEAKER



Use it indoors—outdoors—anywhere. Can be connected to the speaker leads of your hi-fi system, radio, TV set, phonograph—and even your car radio! Can be hung from wall, stood up on its wire frame stand, or mounted on posts with screw-on bracket supplied. Beautifully styled too—heavy black plastic housing, with speaker grille in gold mesh. Includes 20-ft. connecting cable tipped with miniature alligator clips—no soldering, no tools. 3 1/2" speaker for clear sound, 8 ohms. Shpg. wt., 1 lb.
57 D 598. List, \$7.95. NET..... 3.69

EXTENDED RANGE SPEAKERS AND TWEETERS



- ECONOMY MODELS
- FOR HOME HI-FI
- STANDARD SIZES

MODEL 8A10X 8" SPEAKER. Extended-range speaker, ideal for remote speaker in home music systems. Frequency response is ±5 db, 50-12,000 cps. Power capacity, 10 watts. 1" voice coil diameter. 10-oz. Alnico V magnet. Impedance, 8 ohms. Wt., 3 1/4 lbs.
59 D 452. NET..... 11.76

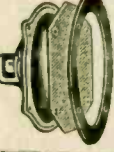
MODEL 3A15T 3 1/2" TWEETER. (Not illus.) Response, 2000-12,000 cps. ±6 db. Impedance, 14 ohms. 1.47-oz. Alnico V magnet. Power capacity, 10 watts. 2 1/8" deep; 3 1/8" mtg. ctrs. 3/4 lbs.
59 D 448. NET..... 3.38

MODEL 5A15T 5" TWEETER. (Not illus.) Moderately priced for home hi-fi. Frequency response, 2000-12,000 cps, ±6 db. Voice coil impedance, 14 ohms. 10 watts power handling capacity. 1.47-oz. Alnico V magnet. 2 1/8" deep; 4 1/8" mtg. ctrs. Wt., 1 lb.
59 D 449. NET..... 3.82

MODEL 8A4CO 8" COAXIAL SPEAKER. 8" cone has 4.64-oz. magnet. 2 1/2" tweeter with .65-oz. magnet. Rated at 10 watts. Range: 50-15,000 cycles, ±5 db. Impedance, 8 ohms. Wt., 2 1/4 lbs.
59 D 418. NET..... 13.49

MODEL 12A6CO 12" COAXIAL SPEAKER. 12" woofer has 6.8-oz. magnet. 3 1/2" tweeter with 1.47-oz. magnet. Power capacity, 14 watts. Response, 50 to 15,000 cps, ±5 db. Imp., 8 ohms. 6 1/2 lbs.
59 DX 526. NET..... 20.29

REAR-DECK AUTO-RADIO SPEAKER KIT



MODEL AS-2. Deluxe kit with heavy-duty 6x9" speaker—withstands severe road shock. Has 2.15-oz. Alnico V magnet and 1" voice coil. Provides exceptionally fine tonal quality. Kit is supplied complete with fader control, 18 feet of cable, flocked screen grille, baffle plate, sponge rubber gasket, mounting hardware and instructions. Shpg. wt., 3 1/2 lbs.
59 D 446. NET..... 8.20

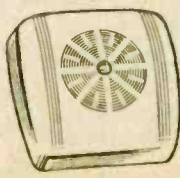
JENSEN "CONCERT SERIES" SPEAKERS



Jensen's highly popular "Concert Series" PM speakers. DP-Alnico V magnets for exceptionally high efficiency and distinct reproduction. Cones are selected for maximum frequency response characteristics. Rigid frame maintains proper alignment of voice coil and magnet structure. All speakers listed below have 3.2-ohm voice coil impedance. All except P4-V have bracket for mounting matching transformer.

Stock No.	Mfr's Type	Size	Shape	Magnet	Watts	Wt., Lbs.	NET
59 D 498	P4-W	4"	Square	1.0 oz.	4.5	1 1/2	2.56
59 D 499	P5-W	5"	Square	1.0 oz.	5.0	1 3/4	2.62
59 D 486	P5-V	5"	Square	1.47 oz.	6.0	2	2.85
59 D 506	P6-W	6"	Square	1.0 oz.	6.0	2	2.88
59 D 487	P6-V	6"	Square	1.47 oz.	6.5	2	3.20
59 D 488	P6-T	6"	Square	3.16 oz.	7.5	2	4.59
59 D 492	P69-V	6x9"	Oval	1.47 oz.	7.5	2 1/4	4.26
59 D 489	P8-U	8"	Square	1.73 oz.	9.0	2 1/2	4.23
59 D 490	P8-T	8"	Square	2.5 oz.	10.0	2 3/4	4.94
59 D 491	P10-T	10"	Round	2.5 oz.	11.0	5	6.32
59 DX 534	P12-T	12"	Round	2.5 oz.	12.0	5	6.76

NEW FOURJAY EXTENSION SPEAKER

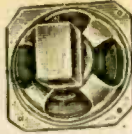


"LITTLE GENERAL" MODEL S-WD-5-DS. 5" speaker performs nearly as well as an 8" in sensitivity and response. 5 watt power capacity makes it suitable for outdoor use. Speaker will not rattle, even at full 5 watt input. Sand color, hi-impact Styron baffle can be hung on a wall, placed on a desk or used outside. Hanging bracket with screw slot is molded in. Speaker is held in place with push-on nuts. Styron baffle is easily drilled for insertion of controls. 8 ohm impedance. Wt., 3 lbs.
57 D 833. NET..... 5.38

Knight, Utah, Fedtro, Misco Speakers

TOP BUYS IN REPLACEMENT SPEAKERS

Excellent quality permanent magnet speakers at very low prices. Actually cost less than a reworking job. Designed for universal replacement use—also recommended for original equipment. Big money savers for radio and TV servicemen, as well as "do-it-yourselfers." Built to EIA standard dimensions—rugged construction throughout. Rigid frame assures permanent alignment of integral parts. Magnet and voice coil are precision centered. 4" and 5" speakers have four holes in pot for easy mounting; furnished with universal mounting bracket. Fully dustproofed. Made in U.S.A. Impedance, 3.2 ohms except † 8 ohms. *Extended range for wider response.

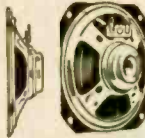


As Low As **99c**

Stock No.	Size	Shape	Mag. Wt.	Max. Watts	Wt., Lbs.	NET EACH	
						1 to 5	6 or More
59 D 476	4"	Square	.68 oz.	3.0	1/4	1.13	.99
59 D 477	5"	Round	.68 oz.	3.5	1/4	1.30	1.17
59 D 472	5x7"	Oval	1.0 oz.	5.0	1	1.60	1.44
59 D 471	6x9"	Oval	1.47 oz.	8.0	1 1/4	2.15	1.94
59 D 493	6x9"	Oval	1.47 oz.	8.0	1 1/4	2.30	2.07
59 D 416	10x9"	Oval	1.47 oz.	8.0	1 1/4	2.15	1.94
59 D 470	8"	Round	2.15 oz.	9.0	1 1/2	2.30	2.07
59 DX 579	12"	Round	3.16 oz.	10.0	3 1/4	3.90	3.51

NEW! UTAH "THIN-DRIVE" SPEAKERS

A major breakthrough in design ends speaker replacement guesswork! New super Thin-Drive speakers are sure to fit because they're thinner than original speakers. The slim profile is made possible by a new wafer-thin Lodox magnet developed by G.E. And you get far more drive per ounce with the new featherweight one-piece pot. Fidelity often exceeds that of original equipment. Speakers are highly resistant to changes in temperature, humidity, 3 watt max. impedance, 3.2 ohms.



Stock No.	Type	Size	Shape	Lbs.	List	NET
59 D 408	SP3RY	3"	Square	1/4	\$3.70	2.18
59 D 409	SP35RY	3 1/2"	Square	1/4	3.40	2.00
59 D 410	SP4RY	4"	Square	1/2	3.50	2.06
59 D 413	SP46RY	4x6"	Square	1/2	4.30	2.53
59 D 411	SP5RY	5"	Pincushion	1/2	3.80	2.23
59 D 414	SP57RY	5x7"	Oval	1/2	4.70	2.76
59 D 412	SP6RY	6"	Pincushion	3/4	4.40	2.59
59 D 415	SP69RY	6x9"	Oval	3/4	5.40	3.16

FEDTRO PERSONAL DUAL REMOTE-CONTROL SPEAKER

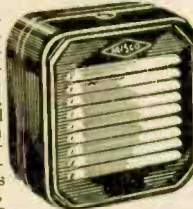
Enjoy personalized listening. For use with TV sets, radios, and phonos. Has 2 controls—one adjusts set volume, other adjusts remote speaker. Either speaker can be turned all the way off, or both can be on simultaneously. Easy to install—connect cable from remote unit to speaker leads in radio or TV set. In high-impact ivory plastic case with 20' remote cable. Imported from Japan. Shpg. wt., 1 lb.



59 D 419. NET... **3.85**

NEW MISCO ALL WEATHER SPEAKER

Model MS-3-B. Completely self-contained "Mini-Speaker" in 20-gauge steel enclosure. It's compact, weatherproof and dustproof. So tough that it's used in our Navy's atomic submarines. Withstands extreme humidity, temperature or shock. For outdoor theater speakers, extension, test, P.A., intercom or paging uses.



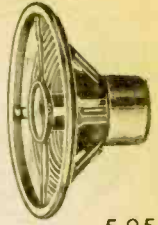
All-weather enclosure is electro-static finished with two coats of baked-on enamel. Acoustically designed enclosure has horizontal louvers with perforated plate backing. Plastic impregnated cloth cone. Floating mount cushions speaker. Has Alnico V, 1-oz. magnet and removable audio input phono jack. 8 ohms. 3 1/4 x 3 1/4 x 2 1/2". 1 1/2 lbs.

59 D 404. List, \$7.95. NET... **4.97**

TOP BUYS IN COAXIAL SPEAKERS

As Low As **\$5.95**

Outstanding coaxial speaker values for budget-minded music lovers. Ideal for use in economy hi-fi systems, as extension speakers in recreation room or den, and for improving the tone of radios and phonographs. Clear highs and faithful lows. Impedance, 8 ohms. Large "Alnico V" magnets. Built-in crossovers. Made in U.S.A.



New 6x9" Coaxial Speaker. 6x9" cone; has 2.15 oz. magnet. 2" tweeter with 0.53 oz. magnet. Rated at 8 watts. Range: 50-10,000 cps. Crossover frequency: 3500 cycles. Shpg. wt., 1 1/2 lbs.

59 D 535. NET	8" Coaxial Speaker. 8" cone. Has large 2.15 ounce magnet. Handles up to 8 watts. Frequency response: 55-12,000 cycles. Crossover frequency: 3000 cycles. Shpg. wt., 3 lbs.	5.95
59 D 475. NET	12" Coaxial Speaker. 12" cone; has 6.8 oz. magnet. 3 1/2" tweeter with 1 oz. magnet. Rated at 15 watts. Range: 55-12,000 cycles. Crossover: 2000 cycles. Shpg. wt., 8 lbs.	7.85
59 DX 531. NET	15" Coaxial Speaker. 15" cone; has 6.8 oz. magnet. 5" tweeter with 1.47 oz. magnet. Rated at 20 watts. Range: 45-12,000 cycles. Crossover frequency: 1800 cycles. Shpg. wt., 11 lbs.	13.95

ALLIED SPEAKER REPAIR SERVICE

Hi-Fi Speaker Service. Includes replacing cone, gasket, voice coil, spider and dust cover. Pack speaker and ship to us by insured parcel post or express. Allow 30 days return delivery. **7.50**

8" Hi-Fi Speaker Repair **11.25** 15" Hi-Fi Speaker Repair **15.00**

Standard Speaker Service. General purpose speakers are rebuilt. Additional charges for field coil repair or replacement as follows: \$1.25 for 4"-9"; \$2.25 for 10"-12". Field coils welded into frames cannot be replaced. Ship speaker prepaid. Send remittance (including postage) with order. Allow 30-45 days return delivery.

Size	Service	Size	Service	Size	Service
4" to 6"	1.75	14" to 15"	3.85	5"x7" oval	2.55
6 1/2" to 9"	2.55	4"x6" oval	2.00	6"x9" oval	2.75
10"	2.95	11" to 12"	3.25		

KNIGHT REAR-DECK AUTO SPEAKER KITS

Standard Kits. New low prices for a luxury item. Economy kits are ready for quick installation in any car. Assure excellent tone and greatly improved sound distribution. Speakers allow passengers in rear to hear radio clearly without it being too loud for the driver. Kit consists of: quality PM speaker, dash-mounted, pre-wired control switch, grille, wire, template, handy screw terminals for easy mounting and instructions. Made in U.S.A.

As Low As

\$2.98



Stock No.	Size	Grille	Lbs.	NET	Stock No.	Size	Grille	Lbs.	NET
59 D 473	5x7"	Gray	2	2.98	59 D 468	6x9"	Gray	2 1/2	3.80
59 D 474	5x7"	Chrome	2	3.10	59 D 469	6x9"	Chrome	2 1/2	3.96

Deluxe Kits. Reduced prices for high quality extended range kits with duo-type 6x9" speaker. Specially designed high frequency whizzer is mounted at speaker's center. Provides rich, balanced reproduction of bass and treble. Employs the natural baffle of the automobile body to deliver smooth tonal reproduction throughout the entire audio range. A dash-mounted, 3-way speaker switch permits playing radio speaker only, rear speaker only, or both simultaneously. With hardware, dash switch, wire and instructions. Transistorized radio kits have 8-20-40 ohm speaker and fader control. Made in U.S.A. Wt., 2 1/2 lbs.

For Non-Transistorized Radios: 59 D 430. With Gray Grille. NET... **3.96** 59 D 401. With Gray Grille. NET... **4.89**
59 D 429. With Chrome Grille. NET... **4.10** 59 D 402. With Chrome Grille. NET... **4.99**

KNIGHT HI-FI REAR-DECK SPEAKER

Enjoy true hi-fi sound as you ride. 5" woofer, 3" tweeter and unique transistor-type capacitor and induction coil crossover network are wired and assembled on a baffle. Entire baffle board mounts in 6x9" cutout, no additional cutting is necessary. Kit includes grille, hardware, pre-wired and pre-soldered 3-position switch, knob, dial plate and solderless connectors. Includes instructions. Made in U.S.A. Shpg. wt., 2 1/2 lbs.



59 D 403. With Chrome Grille. NET... **8.95**

REAR-DECK AUTO SPEAKER ACCESSORIES

Speaker Grilles. Distinctive chrome finish grilles for rear-deck speakers. Sparkling chrome finish stays bright after years of use. Includes hardware. Av. wt., 1 lb.

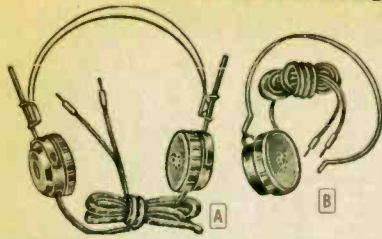
59 D 494. For 6x9" Speaker. NET	98
59 D 495. For 5x7" Speaker. NET	75

G-C Auto Radio Speaker Selector Switch—Type 8891. Dash-mounted control allows you to select front speaker, rear speaker or both simultaneously while in the driver's position. Exceptionally easy to install. With hardware, metal plate and instructions. Wt., 3 oz.

59 D 524. NET... **66**

Lincoln and Cannon Headphones

LINCOLN HEADPHONES AND ACCESSORIES



STANDARD DUAL HEADPHONES

A Have double headband with firmly gripping, easily adjustable yokes. Powerful Alnico permanent magnets for efficiency over wide frequency range. 1 1/4" diaphragm. 4 1/2-ft. cords are cotton-covered tinsel. Inside terminal shock-resistant connections. Shpg. wt., 1 1/4 lbs.

- 59 D 110. 2000 Ohms. NET 2.08
- 59 D 111. 3000 Ohms. NET 2.16
- 59 D 149. 4000 Ohms. NET 2.24
- 59 D 141. 11 Ohms. NET 2.08

SINGLE HEADPHONES

B Dependable, economy-priced single phones. Suitable for hard-of-hearing installations, receivers, crystal sets, Geiger counters, etc. Diaphragm is 1 1/4" in diameter. Has spring-metal headband which is permanently attached to back of case. Equipped with 4 1/2-ft. cotton-covered tinsel cord. Shpg. wt., 8 oz.

- 59 D 112. 1000 Ohms. NET 1.08
- 59 D 113. 1500 Ohms. NET 1.15



LINCOLN TRANSISTOR RADIO EARPICES

PLUGS—ACTUAL SIZE

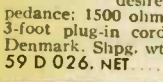


Replacement earpieces with 3-foot cord and plug. Match your present plug diameter with illustration to order correct Stock No. except *for GE and Westinghouse made before 1960. †Better quality earpieces with superior sensitivity and fidelity from Denmark. ‡From Japan. Shpg. wt., 5 oz.

Stock No.	Type	Plug Size	EACH
59 D 018	JMB†	Small Dia. Barrel	.69
59 D 019	JMA†	Large Dia. Barrel	.69
59 D 022	WEM†		.69
59 D 023	RYM-B‡	Small Dia. Barrel	1.69
59 D 024	RYM-A‡	Large Dia. Barrel	1.69
59 D 025	RY-WEM‡		1.69

NEW SUPER POWER EARPICE

Extremely sensitive dynamic earpiece especially useful with low output transistor circuits. Powerful magnet with high efficiency produces up to three times the sound of other dynamic types. Use is not limited to transistor circuits—will work wherever a dynamic earpiece of high impedance is desired. 7000 ohms, AC impedance: 1500 ohms, DC resistance. With 3-foot plug-in cord, as illustrated. From Denmark. Shpg. wt., 4 oz.



- 59 D 026. NET 2.89

Have adjustable headbands, Hyflux Alnico magnets, internal terminal connections. Cap and case are molded bakelite. All headphones with 4 1/2-ft. cord of cotton-covered tinsel, standard phone tip terminals. Choice of single or dual types; low-impedance models may be inserted directly at loudspeaker tap.

INSTITUTIONAL DUAL HEADPHONES

(Not illus.) For schools, hospitals, and other institutions where dependable, lightweight headphones are needed. Durable, easily cleaned bakelite cases, inside terminal connections for safety. Alnico magnets provide crisp, clear reproduction of voice and music. 4 1/2 ft. cord. Comfortable, easily adjustable, plastic headband. Shpg. wt., 1 1/4 lbs.

- 59 D 100. 2000 Ohms. NET 2.20
- 59 D 101. 3000 Ohms. NET 2.28

HEADPHONE REPLACEMENT PARTS

Replacement parts for the Lincoln headphones listed on this page.

Stock No.	Description	Wt., Oz.	EACH NET
59 D 104	Diaphragm, Pkg. of 2	2	.13
59 D 106	Bakelite cap	2	.13
59 D 174	Headband with yokes	9	.58

HEADPHONE CORDS



Copper conductor covered with woven cotton braid. Have 2 phone tips at one end; *refers to opposite end of cord. For phones on this and following pages. Wt., 2 oz.

4 1/2 Ft. Double Cords

Stock No.	*Terminals	For Use With	NET EACH
59 D 220	Eyelet type. For inside terminals	59 D 100-101, -110, -111, -125, -126, -172, -135, -136, -137, -215	.50
59 D 205	Eyelet type	59 D 130	
59 D 206	Has phone tips on both ends	Govt. and military types	.50
59 D 002	Small blunt tips	59 D 070	

5 Ft. Double Cords

59 D 006	Large blunt tips	59 D 020-021	.54
59 D 181	Eyelet type	59 D 151-163	

6 Ft. Double Cords

59 D 004	Eyelet type	59 D 000-001	.58
59 D 007	Large blunt tips	59 D 040	

8 Ft. Double Cords

59 D 221	Eyelet type	Same as type 59 D 220 above	.74
59 D 218	Eyelet type	59 D 130	
59 D 219	Has phone tips on both ends	Govt. and Military type	

Single Cord

59 D 200	4 ft. cord with eyelet type	59 D 112-113	.33
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RUBBER PHONE CUSHION



Molded rubber ear cushions slip over phones. Provide maximum wearing comfort. Wt., 6 oz.

- 59 D 168. NET, PAIR 64
- 10 of Mare Pairs, PER PAIR 58

C. F. CANNON HEADPHONES AND ACCESSORIES



BRANDES BS-2 "SUPERIOR" PHONES. Rugged 2000 ohm headset. Has outside terminals, metal cases, bakelite caps. 2 1/4" diaphragm. 2 coils in each case. Comfortable, metal headband is easily adjusted to the desired size. 4 1/2 ft. cord included. Shpg. wt., 1 1/4 lbs.

- 59 D 130. NET 2.50

BRANDES "ADMIRAL" PHONES. Similar to above but with inside terminals.

- 59 D 135. BA-2. 2000 ohms. NET 2.50
- 59 D 136. BA-3. 3000 ohms. NET 2.66
- 59 D 137. BA-5. 5000 ohms. NET 3.08

REPLACEMENT CAPS AND DIAPHRAGMS. For "Superior" and "Admiral" phones above.

- 59 D 138. Caps. Wt., 2 oz. EACH 21
- 59 D 140. Diaphragms. 2 oz. Pkg. of 2 13



CANNON-BALL "MASTER" PHONES. High-quality headset for communications and general-purpose applications. Cases are metal, with bakelite caps. Terminals are inside of case for maximum safety from tampering. Chrome steel magnets produce strong field, and resist corrosion. With cord. Wt., 1 1/4 lbs.

- 59 D 215. MC-2. 2000 ohms. NET 2.50
- 59 D 125. MC-3. 3000 ohms. NET 2.65
- 59 D 126. MC-5. 5000 ohms. NET 2.92



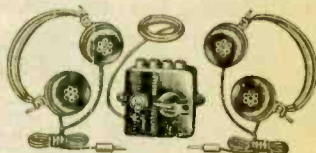
CANNON-BALL CC-2 "CHIEF" PHONES. Sensitive and practical headset for all general use. Inside terminal connections. 2 1/4" diaphragms; bakelite case and cap. Vinyl plastic covered headband. 2000 ohms. With

- 4 1/2-ft. cord. Shpg. wt., 1 1/4 lbs.
- 59 D 172. NET 2.42

REPLACEMENT CAPS AND DIAPHRAGMS. For "Master" and "Chief", above. 2 oz.

- 59 D 127. Caps. EACH 21
- 59 D 129. Diaphragms. Pkg. of 2 13

CANNON TV HEADPHONE KIT



High-quality listening device to aid hard-of-hearing, or provide private, "silent" listening when others might be disturbed by loud-speaker operation. Volume control and Speaker-Phones switch on control box. Supplied with 15-ft. cord, and two pairs of headphones. Shpg. wt., 3 lbs.

- 59 D 175. NET 9.20
- SINGLE HEADSET KIT. Same kit as above, but with only one pair of phones. 2 lbs.
- 59 D 176. NET 6.93
- CONTROL BOX ONLY. Shpg. wt., 9 oz.
- 59 D 177. NET 4.62
- 11-OHM DUAL HEADSET. Wt., 1 1/4 lbs.
- 59 D 173. NET 2.42

CANNON-BALL RADIO HEARING AID

Popular, low-priced hearing aid for any radio or TV set. Specially-constructed low-impedance headphone matches the output of radio or TV set. Built-in selector control switch permits listening with speaker only, headphone only, or both speaker and headphone simultaneously. Complete with control box, connecting cables for attachment to speaker and attachment of headphone to control box, instructions and diagram. Shpg. wt., 1 lb.

- 59 D 118. NET 3.38

CLEVITE "BRUSH" HEADPHONES



A BA-200 Headphones. Very sensitive headphones with high impedance (45,000 ohms at 1000 cps.) except *wired for stereo (90,000 ohms). Frequency response, 100 to 5000 cps. Require small DC blocking capacitor for DC circuits. With 5-ft. cord. Shpg. wt., 2 lbs.

Stock No.	Type	Termination	1-9, EA.	10-24, EA.	25-Up, EA.
59 D 151	BA-200-1	Std. Phone Plug	16.90	16.45	15.50
59 D 008	BA-200-2	Eyelet Terminals	16.90	16.45	15.50
59 D 260	BA-200B*	Eyelet Terminals	19.11	18.55	17.45

BA-201 Headphone. Similar to model BA-200 but, single headphone. 90,000 ohms. Phone tips. Shpg. wt., 1 lb. **14.65**
 59 D 156. 1-9, EACH **14.20** 25-Up, EACH **13.45**

B BA-206 Hi-Fi Headsets. Feature flat response from 50-10,000 cps with low distortion and excellent bass reproduction. *Wired for stereo. †Impedance @ 1000 cps. Shpg. wt., 2 lbs.

Stock No.	Type	Ohm†	Termination	1-9, EA.	10-24, EA.	25-Up, EA.
59 D 163	BA-206-1	50,000	Std. Phone Plug	30.28	29.30	27.75
59 D 005	BA-206-2	50,000	Eyelet Terminals	30.28	29.30	27.75
59 D 154	BA-206B*	100,000	Eyelet Terminals	32.54	31.55	29.90

C BA-220 Hi-Fi Headsets. Quality headphones with ear cushions and wired for stereo or monophonic listening. 50-10,000 cps. Impedance 50,000 ohms. Eyelet terminals. Wt., 2 lbs. **33.81**
 59 D 052. 1-9, EACH **32.75** 25-Up, EACH **31.00**
 10-24, EACH **32.75**

BA-215 Earcushions. Foam cushions same as illustrated in Fig. C. Fit all Clevite "Brush" phones except ED-300. Shpg. wt., 5 oz. **3.28**
 59 D 053. NET PER PAIR



New Clevite "Brush" ED-300 Series Headphones. Designed to meet the unique requirements of the modern language training center—highly practical and economical instruments for the classroom. Most important innovation is the removable washable, foam rubber earcushions which pull right off and attach by pressing together the "Velcro" patented hook-and-eye fabric. Low cost of cushions makes possible a personal sanitary set for every student. Each head-set includes std. phone plug and blanket cushion. Alternative donut cushion accessory is desirable for extended listening or where external noises would otherwise be distracting.

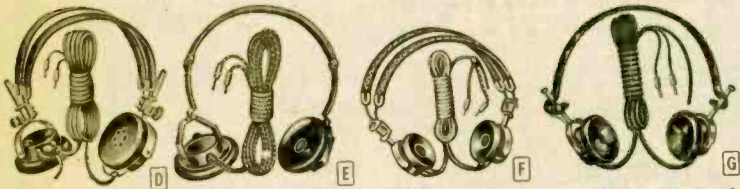
Other features include: Balanced, light construction for listener comfort with wide headband to accommodate any hairstyle. Push-button release to permit instructor to rotate either phone 90° for monitoring. Exceptionally flat frequency response, 50-10,000 cps; high impedance, 50,000 ohms at 1000 cps. Specify color: Black, Coral, Suntan, or Spruce Green. Wt., 1 lb. **27.44**
 59 D 009C. 1-9, NET EACH **27.44**
 10-24, EACH **26.50** 25-Up, EACH **23.00**

Blanket Earcushion. Comfortable, easy-to-clean, polyurethane foam cushions. Easily attached and detached. Shpg. wt., 2 oz. **73**
 59 D 016. NET PER PAIR

Donut Earcushion. Has extra foam padding for extended listening and to cut off external noise. Shpg. wt., 3 oz. **1.22**
 59 D 015. NET PER PAIR

Boom-Type Microphones for ED-300 Series Headsets. Quality microphone for use with above educational headsets—offers matching frequency response of 50 to 10,000 cps. Attach directly to headset and are of high impedance type. 1 megohm @ 1 kc, with -60 db sensitivity. With 5-foot ivory cord. Shpg. wt., 4 oz. **17.39**
 59 D 017. 1-9, EACH **16.85** 25-Up, EACH **14.60**
 10-24, EACH

TRIMM HEADPHONES AND ACCESSORIES



D "Military" Type. Constructed to meet military headphone specifications. Impedance, 20,000 ohms; DC resistance, 2,000 ohms. Metal shell with bakelite cap. 6 ft. cord. Inside terminals. Rubber-covered headband. Shpg. wt., 1½ lbs. **11.76**
 59 D 040. NET

E "Featherweight" Type. Weigh less than 5 ounces. Black bakelite caps and shells. Forged magnets; pole pieces of permalloy. Impregnated coils. Supplied with flexible 6-ft. moisture-proof braided tinsel cord. Enclosed terminals. Shpg. wt., 9 oz. **6.47**
 59 D 000. Standard. 4000 ohms.
 59 D 001. Special. 24,000 ohms.
 NET EACH

59 D 042. Diaphragms. For either of above headphones. Wt., 2 oz. EACH **15**
 59 D 013. Replacement Caps. For "Featherweight" phones. 2 oz. EACH **41**

F "Dependable" Type. Magnetic headphones for general use. Bakelite caps and shells. Forged magnets of chrome steel. Impregnated coils. 5-ft. cord. Inside terminals. Have comfortable plastic-covered headband. Shpg. wt., 1¼ lbs. **3.00**
 59 D 268. 3.2 ohms. NET **3.35**
 59 D 020. 3000 ohms. NET **3.53**
 59 D 021. 4000 ohms. NET **.35**
 59 D 030. Replacement Caps. EACH **.12**
 59 D 031. Extra Diaphragms. EACH

G "Acme" Low-Cost Type Headphones. Sensitive headphones designed for every use. 2000 ohm impedance. Sturdily constructed for dependable performance under all conditions. 4½-ft. cord. Shpg. wt., 8 oz. **2.12**
 59 D 070. NET **2.12**
 Extra Diaphragms. For above. 2 oz. **12**
 59 D 012. EACH

LORNGNETTE TYPE EARPHONE

Hand-held type hearing aid. Same construction as "Featherweight" phones above. For use in churches and theaters. Earphone size. 2¼" dia. x ¼" thick. Handle extends to 14". Impedance, 4500 ohms. With flexible, braided 6-ft. cord and plugs. Shpg. wt., 10 oz. **5.88**
 59 D 036. NET



NEW TURNER HEADSET AND MICROPHONE UNITS

Model 270 Dynamic Headset. Designed for highest quality reproduction over the entire frequency range; highly recommended for language classes. Features moving coil dynamic design; polyurethane foam ear pads; wide double headband for maximum wearing comfort and convenience. High impedance to match language lab requirements. Shpg. wt., 2¼ lbs. **34.30**
 59 D 010. NET EACH

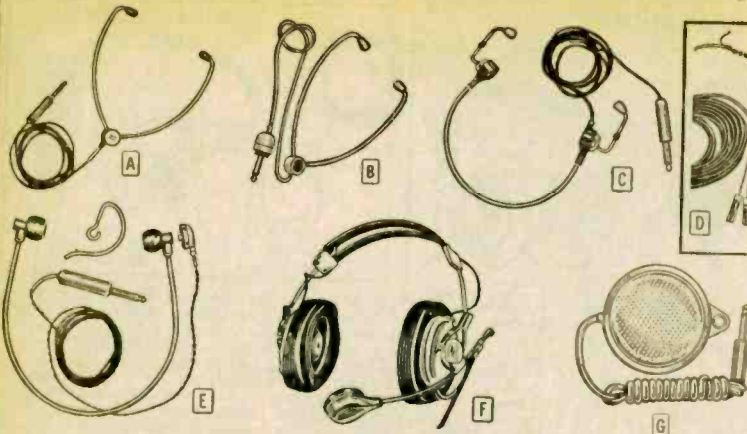
Combination Model 270 Dynamic Headset and Model 265 Dynamic Boom Microphone. Designed for comfort and convenience. Mike attaches to headset with just two connections. High impedance. Wt., 2½ lbs. **53.90**
 59 D 011. Headset and Mike Combination. BOTH UNITS

TRIMM INDIVIDUAL VOLUME CONTROL



Consists of phone jack and volume control mounted in compact box. Ideal for group hearing aid systems in theaters, churches, schools, etc. Resistance: 10,000 ohms. Size: 3¼x2½x1¼". Shpg. wt., 1 lb. **3.23**
 59 D 056. Brown wrinkle.
 59 D 057. Glossy Ivory.
 NET EACH

Earphones, Accessories and Telephone Pickups



NEW! PRIVATE TV LISTENER

- Easily Installed—No Soldering
- Switch Turns TV Speaker On or Off
- Controls Two Earsets

TELEX EARPHONES FEATURE COMFORT, CLARITY AND DURABILITY

METAL MONOSET

A Exceptionally comfortable, light weight headphones, designed to eliminate fatigue and strain even when worn continuously for long periods. Weighs only 1.2 ounces! Rugged magnetic speaker unit for crystal clear reproduction and rugged dependability. Response is from 50 to 6500 cps with high sensitivity. 88 db. Normal listening level requires only 1 milliwatt input—maximum level is 25 milliwatts. Light metal housing with comfortable, white plastic earplugs, easily removed for cleaning. Supplied complete with 5-foot cord and standard 1/4" phone plug. High or low impedance. Shpg. wt., 8 oz.
 59 D 223. Model HMV-2. 125 ohms.
 59 D 222. Model HMY-2. 2000 ohms.
 List, \$12.90. EACH **7.75**

DICTATION DYNASET

B Model HUP-01. Extremely high sensitivity along with exceptional tonal quality makes this headset especially useful in office applications. TV and radio monitoring, and commercial applications. Designed for user comfort—weighs only 1 1/4 oz. with fully adjustable tone arms. Magnetic driver element in plug directs sound to ear through tubing. Frequency response: 50 to 6500 cps or better. Sensitivity: 105 db. Impedance: 15 ohms. Maximum power input: 25 mw. Attractive light gray finish with white replaceable ear tips. With 5-foot cord. Shpg. wt., 6 oz.
 59 D 239. List, \$13.88. NET **8.33**

FAA-APPROVED TWINSET

C Combines superb fidelity with lightweight and ruggedness. Weighs only 1.6 oz.—FAA approved for light planes and airlines (*except low impedance Model HTL-2). For extended listening. Magnetic receivers rest lightly at the temples—adjustable ear tips on swiveled sound pipes fit comfortably into ears blocking out extraneous noise. 5-foot cord supplied plugs into either receiver; other end terminates in standard 1/4" phone plug. Gray with nickel-plated metal parts. Shpg. wt., 10 oz.
 59 D 027. Model HTX. 1000 ohms.
 59 D 259. Model HTW-2. 500 ohms.
 59 D 225. Model HTL-2. 64 ohms.
 List, \$23.57. EACH **14.12**

FEDTRO "PRIVATE-LEE" RADIO-TV EARPHONE SET



An excellent private-listening outfit, easily connected to any radio or TV set. Comfortable, lightweight earpiece.

Ivory-plastic control box with volume control and 17 ft. cable. Control box has 2 jacks; one jack mutes speaker for listening on earpiece only. Other jack for sound from both speaker and earpiece. Shpg. wt., 1 lb.
 59 D 255. List, \$12.95. NET **5.10**

NEW TV LISTENER

D Model LCP-90. All-new TV or radio listener provides private listening without disturbing others or additional case holds jacks for two earsets, volume control for earsets, and switch turning TV speaker off or on—earset works with or without speaker on. Connects 15-foot cord to permit armchair ease at most comfortable viewing distance. 1 lb.
 59 D 263. List, \$15.60. NET **9.37**
 59 D 292. Extra Earset for Above. EA, 2.87

SECRETARIES' TELE-FI

E Ideal for secretaries, board operators, and radio-TV monitoring. Tone arm connecting ear tips delays sound to one ear by one millisecond to give greater clarity and intelligibility. Weighs only 1/2 oz. Freq. response 60 to 6000 cps. Ear loop included for one ear listening. Does not muss hair—worn under chin. With 5-foot cord and std. 1/4" phone plug. Wt., 6 oz.
 59 D 214. Model HFR-91. 15 ohms.
 59 D 257. Model HFV-91. 125 ohms.
 59 D 028. Model HFW-91. 500 ohms.
 59 D 258. Model HFY-91. 100 ohms.
 59 D 217. Model HFV-91. 2000 ohms.
 List, \$10.57. EACH **6.35**

NEW MAGNA-TWIN MARK III HEADSET

F New wide-range headset with muff style foam rubber ear cushions combines high sensitivity with rugged construction. Specially designed for language learning laboratories, general communications applications, and dental analgesia systems. Also available with boom mike as illustrated. Close coupling of headphones gives outstanding intelligibility over freq. range of 50 to 9000 cps. Gray. With 5-foot cord and std. 1/4" phone plug. 1 1/2 lbs.
 59 D 029. Model MR-6. 500/600 ohms.
 59 D 032. Model MR-4. 10,000 ohms.
 59 D 033. Model MR-3. 50,000 ohms.
 List, \$28.60. EACH **17.16**

Combination Headset/Boom Mike. 500/600 ohm headset with 50-ohm carbon mike (300-4000 cps). 2 lbs. List, \$48.50.
 59 D 034. Model MRB-45. NET **29.10**
 59 D 035. Model MRB-75. Same as Model MRB-45, except only one earphone. Wt., 2 lbs. List, \$35.52. NET **21.33**

DYNAMIC PILLOW SPEAKER

G Top quality under-pillow speaker utilizing moving coil diaphragm to give wide range tonal quality to private listening. SDN-2A is ideal for institutional use, or private listening at home to radio or TV set. SDN-2A, 3.2 ohms; SDM-2A, 10,000 ohms. Enclosed in easily sterilized stainless steel shell 1 1/2" thick by 3 3/4" dia. With 5-ft. cord. and std. 1/4" phone plug. Shpg. wt., 12 oz.
 59 D 276. SDN-2A. List, \$10.50. EA. **6.18**
 59 D 277. SDM-2A. List, \$15.37. EA. **9.22**

MAGNETIC PILLOW SPEAKER

H Exceptionally flat, waterproof, pillow speaker for home or institutional listening. Approved for use in Veterans Administration units. 3/4" thick by 2 1/4" dia. With gray plastic housing. Sealed against corrosion and moisture—readily sterilized. With 5-foot cord and std. 1/4" phone plug. Shpg. wt., 6 oz.
 59 D 227. Model SMV-2A. 125 ohms.
 59 D 226. Model SMY-2A. 2000 ohms.
 List, \$9.10. EACH **5.48**

CORDS, EXTRA TIPS AND ACCESSORIES

Stock No.	Connects to Fig.	Type No. and Description	NET EACH
59 D 270	C, H	CMM-2. Gray 5' cord w/std 1/4" plug	2.13
59 D 253	A, E	CMT-2. Gray 5' cord w/std 1/4" plug	2.13
59 D 252	C, H	CMM-92. Gray 5' cord w/90° 3/4" min. plug	1.65
59 D 037	A, E	CMT-92. Gray 5' cord w/90° 3/4" min. plug	1.65
59 D 038	A, E	CMT-98. Gray 5' cord w/min. phone plug	1.86
59 D 246	C, H	VVM-2. Cord w/64 ohm volume control.	5.40
59 D 041	C, H	VVM-2. Cord w/500 ohm volume control.	5.40
59 D 039	C, H	VXM-2. Cord w/1000 ohm volume control.	5.40
59 D 293	A, E	VVT-2. Cord w/125 ohm volume control.	5.40
59 D 294	A, E	VVT-2. Cord w/2000 ohm volume control.	5.40

MAGNETIC TELEPHONE PICKUPS



High impedance coils permitting pickup of telephone conversations. No electrical connection to telephone—just place phone on pickup which plugs into mike input of recorder or amplifier.

J Electro-Ducer Pickup. For any telephone. Removable coil. With 12-ft. cable. 1x6 1/2 x 9 1/2". Wt., 1 lb.
 59 R 043. List, \$12.50. NET **7.35**

K Kord-O-Koil Pickup. For cradle phones. 6-ft. cable w/phone plug. 1 1/4 lbs.
 59 R 044. List, \$10.00. NET **5.88**

L Magnetic Recording Industries VM-938 Pickup. Includes 5-ft. cable; less plug. Wt., 1/2 lb.
 59 R 046. NET **2.98**

M Magnetic Pickup. Suction cup attaches to phone. With cable; less plug. 1/4 lb.
 59 R 047. NET **1.50**



ELECTRONICS DATA HANDBOOK

Edited by Nelson M. Cooke, Lieutenant Commander, U. S. Navy (Ret.). Contains a comprehensive listing of formulas, data, standards, tables and charts used in solution of everyday problems that are encountered in radio and electronics.

A practical, informative reference book for students, servicemen, engineers, instructors, etc. Packed with essential information. Contents include Log and Trig tables, EIA color codes for chassis wiring, matrix units, decibel ratios, speaker matching formula, coil winding formulas, tube data, fundamental algebraic formulas, symbols, abbreviations, etc. 80 pages. Size, 6x9".

37 K 398..... 50c

UNDERSTANDING TRANSISTORS— AND HOW TO USE THEM

Allied's handbook of transistor fundamentals. A clearly written presentation on transistor applications, characteristics, and construction. Ideal for home study, classroom use, beginners, hobbyists, experimenters, etc. Unexcelled for supplementing a course in electronics, whether the student's interest is primarily in transistors, or electronics in general. Covers NPN, PNP, alloy-junction, drift, tetrode, surface barrier, power types, etc. Contains transistor symbols, diagrams of various amplifier circuits, etc. Also includes a section of construction projects using transistors. 96 pages. Size, 5½x8½".

37 K 602..... 50c

DICTIONARY OF ELECTRONIC TERMS

Don't guess the meaning of that technical term! Look it up in Allied's dictionary and be sure. Completely revised! Includes definitions of more than 3800 terms used in Television, Radio, Electronics and Nucleonics. Edited by Robert E. Beam, Ph.D., Professor of Electrical Engineering, Northwestern University, Evanston, Illinois. Includes over 125 illustrations and diagrams. Appendix covers the EIA color code, standard schematic symbols, etc. A special section, briefly highlights—in chronological order—the outstanding electronic advances. Makes an ideal reference for servicemen, hobbyists, Amateurs, technicians—everyone in the field of electronics. Includes Ohm's Law and basic series-parallel formulas. Also has page on getting started in Amateur radio. 84 pages. Size, 6x9".

37 K 756..... 50c

ELECTRONICS BUILDER'S HANDBOOK

An excellent choice for classroom or home study courses. Clearly explains radio set parts and functions, magnetism, resistance, electron theory, inductance and reactance. Discusses capacitance and how to read schematic diagrams. Also features information on transistors, radiotelegraph code, high fidelity, printed circuits, special construction hints, Amateur radio test equipment, antennas, coils, etc. Contains handy list of commonly used symbols and abbreviations. Brought up-to-the-minute by noted technical editor Milton Kiver. 56 pages. Size, 8½x11".

37 K 750..... 35c

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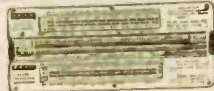
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37 K 249.

ELECTRICAL TROUBLE-SHOOTING MANUAL. Handy electrician's reference. Complete from basic electricity through transformers, motors, controls, generators, converters, etc. Labor-saving tips on installation, operation, and maintenance. Over 600 commercial diagrams—with instructions. 626 pages. Size, 8½x11". **6.95**
37 K 414.

TRANSISTORS. By L. E. Garner, Jr. Valuable information on transistor characteristics, circuits, components, servicing data, etc. Illustrated. 105 pages. Size, 5½x8½". **1.50**
38 K 608.

COYNE TV CYCLOPEDIA. Full coverage of TV in practical form. Photos of typical abnormal test patterns with cause and cure. Over 450 illustrations. 868 pages. 5½x8½". **5.95**
37 K 707.

TECHNICAL DICTIONARY. This book contains over 4,000 definitions of electronic terms. Includes data section with charts, etc. 167 pages. 5½x8½". **2.00**
37 K 463.

CITIZENS BAND RADIO

CITIZENS BAND RADIO HANDBOOK. By David E. Hicks. A practical guide telling how to choose CB equipment and how to obtain a license. Chapters: The Citizens Radio Service; Receiver and Transmitter Circuitry; Antenna Systems; Station Installation; Maintenance and Repairs; Servicing Adjustments; Operating Procedure; etc. 192 pages. Size, 5½x8½". **2.95**
37 K 212.

CITIZENS BAND RADIO. By Allan Lytel. Written for the CB owner and operator as well as the radio man who services such equipment. It covers types of CB equipment available, installation, FCC rules and regulations governing use and operation, servicing and repair, etc. Describes portable units, kits, antennas, power supplies, etc. Essential for all CB'ers. 160 pages. Size, 5½x8½". **3.82**
37 K 340.

SECOND-CLASS RADIOTELEPHONE LICENSE HANDBOOK. Provides all the information you need to pass the 2nd class examination, and to successfully maintain and operate 2-way and other communications units on the job. Gives you full knowledge of every single detail you need for success in this field. With illustrations and diagrams. 240 pages. Size, 5½x8½". **3.95**
37 K 207.

FIRST-CLASS RADIOTELEPHONE LICENSE HANDBOOK. Invaluable in preparing for the FCC 1st Class examination, as well as for the communications engineer. Covers installation, operation and maintenance of all BC equipment, includes Q and A exam section. 224 pages. Size, 5½x8½". **4.95**
37 K 208.

TWO-WAY MOBILE RADIO HANDBOOK. Written by Jack Helmi. The first really comprehensive treatment on the subject of mobile radio. Ten complete chapters cover: basic systems, types of receivers and transmitters, control systems, antenna systems, power, servicing of mobile radios, etc. A handy, practical reference especially helpful for servicemen and dealers who service, install and maintain mobile equipment. Fully illustrated. 208 pages. Size, 5½x8½". **3.95**
37 K 029.

CB RADIO ANTENNA GUIDEBOOK. By David E. Hicks. Devoted entirely to Citizens Band antennas. Designed to guide those who plan to buy CB equipment or want to improve their present gear. Explains importance of a good antenna system; describes range to expect; methods for improving existing antenna systems; basic mobile station antennas; how to install and service; etc. 128 pages. Size, 5½x8½". **2.50**
37 K 666.

CITIZENS BAND RADIO MANUAL. Vol. 1. By the Howard W. Sams Engineering Staff. Contains Photofact folders on forty-six 1961 Citizens Band transceivers. Includes invaluable editorial section on servicing CB antennas, outlining typical servicing problems and their solutions. Contents: Hallcrafters; Lafayette; RCA; Heath; Gonset; Vocaline; Viking; Citi-Fone; Raytheon; Globe; Regency; etc. 160 pages. 8½x11". **2.95**
37 K 677.

CITIZENS BAND RADIO MANUAL. Vol. 2. By the Howard W. Sams Engineering Staff. Contains Photofact folders covering thirty 1961 CB transceivers. Contents: Bendix; Deward; Duo Com; Eico; Vocaline; Osborne; Poly Com; Ulca; Webster; RCA; Sonar; etc. 160 pages. 8½x11". **2.95**
37 K 668.

HI-FI AND RECORDING

GUIDE TO THE CARE OF MODERN RECORDINGS. By Karl A. Barleben. An informative booklet which thoroughly discusses wear care and specifically deals with: stylus record; dust; cleaners; handling of records; proper storage of records; etc. 25 pages. Size, 8½x11". **2.25**
37 K 144.

UNDERSTANDING HIGH FIDELITY. Stereo Edition. A helpful guide covering the selection and installation of stereo equipment. Contains chapters on: The Nature of Musical Sounds, Elements of a High-Fidelity System, How to Conduct a Listening Test, plus a glossary of common terms. 64 pages. 6x9". **2.25**
37 K 211.

CIRCUITS FOR AUDIO AMPLIFIERS. By the Technical Service Department of Mullard, Ltd. Presents up-to-date versions of audio circuits designed by the Mullard Applications Research Laboratory. Chapters: Amplifying Systems, Sources of Distortion in Recorded Sound, High-Quality Amplification. Fully illustrated. 136 pages. Size, 8x10". **2.50**
37 K 130.

HI-FI AND RECORDING (Cont'd)

AUDIO MEASUREMENTS. By Norman Crowhurst. Techniques for optimum audio performance. Chapters include: Basic Measurements, Amplifiers, Recorders, Microphones, etc. 224 pages. 5½x8½". **2.90**
38 K 842.

THE HOW AND WHY OF HI-FI AND STEREO. By Harry G. Cisin. An informative booklet for the audiophile. Tells how to select hi-fi and stereo components, etc. 40 pages. Size, 8½x11". **1.00**
37 K 388.

LAYMAN'S GUIDE TO HI-FI. (Ameco) A clear, non-technical approach to the fundamentals of high-fidelity. Subjects covered: FM-AM tuners, amplifiers, speakers and cabinets, assembly of kits, how to listen to hi-fi, and the future of hi-fi. 80 pages. 6x9". **1.25**
37 K 386.

TAPE RECORDING GUIDE. By Robert and Mary Marshall (Chilton). Designed to help you get the most out of your tape recorder. Illustrations of 53 machines with their major specifications. 120 pages. Size, 4½x7½". **1.95**
38 K 247.

HOW TO MAKE GOOD TAPE RECORDINGS. By C. J. LeBel (Audio Devices). A complete handbook of tape recording. Chapters include: How a Tape Recorder Works, Selecting a Recording Tape, Tape Editing, Binaural and Stereophonic Recording, etc. Illustrated. 150 pages. 5½x7½". **1.50**
38 K 933.

TAPE RECORDERS AND TAPE RECORDING. By Harold D. Weiler (Radio Magazine). Covers recording problems. Contains tables and charts—more than 100 illustrations. 192 pages. 8½x5½". **2.95**
38 K 124.

STEREO... HOW IT WORKS. By Herman Burstein (Gernsback). Discusses the problems and rewards of stereo including recording and broadcasting. Chapters include: Forms of Audio Reproduction, Stereo Effect, Stereo on Discs—Other Systems, Amplifiers for Stereo, Speakers for Stereo, Installing a Stereo System. Illustrated. 224 pages. 5½x8½". **2.90**
37 K 269.

HIGH FIDELITY TECHNIQUES. By John H. Newitt (Rinehart Books). A comprehensive book for the hi-fi enthusiast and technician. Covers properties of sound, reverberation, binaural effects, amplifiers, tuners, buying equipment, etc. 494 pages. 6x9½". **9.25**
37 K 351.

HIGH FIDELITY CIRCUIT DESIGN. By Norman Crowhurst and George F. Cooper (Gernsback). Chapters include: Feedback Effects, Analysis and Design, Attenuator-Speaker Systems, Test Equipment, etc. 304 pages. Cloth bound. 8½x5½". **5.95**
37 K 272.

HI-FI MADE EASY. By Norman Crowhurst (Gernsback). Written in easy-to-understand style for newcomers to high-fidelity. Explains the individual components of a hi-fi audio system; contains many helpful illustrations and diagrams. 224 pages. Size, 5½x8½". **2.90**
37 K 674.

BUILT-IN STEREO HIGH-FIDELITY. Allied's own publication. Explains built-in home music systems; describes the various components and their correct acoustic placement. Includes glant-size blueprint; component mounting and wiring instructions. 16 pages. 8½x11". **1.10**
39 K 241.

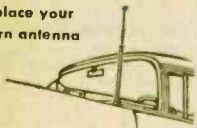
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Auto Antennas and Vibrators

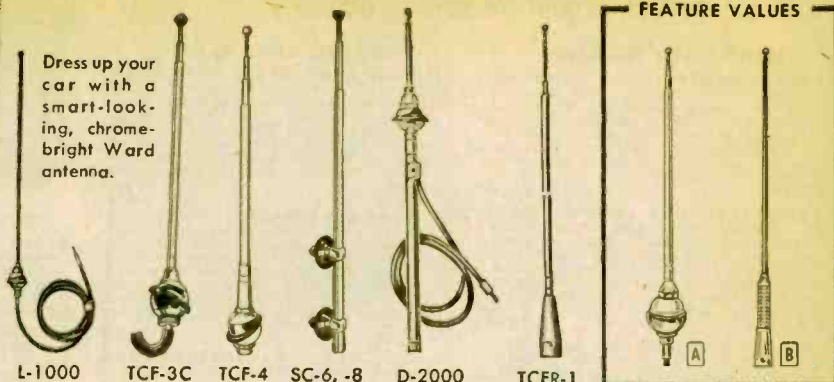
WARD AUTO RADIO ANTENNAS

Replace your worn antenna



Improve car radio reception with a modern antenna of advanced design. Save at Allied's low prices.

Dress up your car with a smart-looking, chrome-bright Ward antenna.



L-1000

TCF-3C

TCF-4

SC-6, -8

D-2000

TCFR-1

FEATURE VALUES

"LOK-MATIC" UNIVERSAL TYPE

Model L-1000. Exclusive mounting principle permits quick and easy one-man installation from top of fender—the interlocking parts drop into place automatically. Provides tighter installation, built-in waterproof. Fits any hole $\frac{7}{8}$ to $1\frac{1}{4}$ ". Its 3 sections extend to 56". Has 54" cable. Adjusts up to 45° angle. Comes preassembled. Shpg. wt., 1 lb.
92 CX 579. List, \$4.65. NET 2.71

TOP-COWL AND FENDER TYPES

Model TCF-3C. A top-notch, rattleproof auto antenna that combines smart appearance and deluxe performance. Popular "Eight Ball" mount for simplified installation on top cowl. Will fit any auto. Adjustable to any desired angle. Has 3 sections. Extends to 56", telescopes to 22". Ruggedly constructed of triple chrome-plated brass tubing. Complete with 54" low-loss Elektran lead-in cable with Motorola-type plug. Comes preassembled; with complete instructions. Shpg. wt., 1 lb.
92 CX 099. List, \$4.40. NET 1.98

Model TCF-4. High-quality smartly styled antenna for either top-cowl or fender mounting. Ball mounting permitting adjusting up to 22°. Ruggedly constructed of triple chrome-plated brass tubing. Complete with 54" low-loss Elektran lead-in cable with Motorola-type plug. Comes preassembled; with complete instructions. Shpg. wt., 1 lb.
92 CX 099. List, \$4.40. NET 1.98

Model TCF-4. High-quality smartly styled antenna for either top-cowl or fender mounting. Ball mounting permitting adjusting up to 22°. Ruggedly constructed of triple chrome-plated brass tubing. Complete with 54" low-loss Elektran lead-in cable with Motorola-type plug. Comes preassembled; with complete instructions. Shpg. wt., 1 lb.
92 CX 576. List, \$5.95. NET 3.49

SIDE-COWL TYPES

Model SC-6. Chrome-plated brass, side-cowl antenna. 3 sections—extends to 56". Low-loss 2-stanchion mount with bakelite and chrome insulators. Positive shielding eliminates use of shield can. Detachable 36" polyethylene insulated vinylite covered, high "Q" lead-in. Simple to install. Shpg. wt., 1 lb.
92 CX 105. List, \$5.45. NET 3.20

Model SC-8. Popular side-cowl antenna. 4 sections—extends to 100". 2-stanchion mount. 36" vinylite covered high "Q" lead-in. Fits irregular car bodies. Shpg. wt., 1 lb.
92 CX 111. List, \$7.70. NET 4.52

DISAPPEARING TYPE

Model D-2000. Easily-installed "Lok-matic" type that virtually disappears when collapsed to minimum of 6 $\frac{1}{2}$ ". 3 sections extend to 52". Installed from outside the car on cowl or fender. Completely waterproof, polystyrene insulation. With 54" lead. Shpg. wt., 1 lb.
92 CX 580. List, \$6.15. NET 3.61

REPLACEMENT ANTENNA MAST

Model TCFR-1. 3-section replacement mast for weather-worn or broken antennas. Easily fits over stub of old antenna. Set screws provide secure mounting. Extends to 57". Shpg. wt., $\frac{1}{2}$ lb.
92 CX 595. List, \$2.43. NET 1.32

FEATURE VALUE ANTENNAS

A Enjoy all the advantages of a popular telescoping antenna while saving at this surprisingly low price. 3 extending sections raise as high as 38" to bring in distant stations more clearly and distinctly. Made of triple chrome-plated brass tubing—quality has not been sacrificed, even at this low price. Easy to install too—easy front-mounting "Eight-Ball" design. Has 54" low-loss "Elektran" lead cable for full power pickup and transmission to radio. Telescopes to 15". Wt., 1 $\frac{1}{2}$ lbs.
91 C 080. NET 1.29

B Flexible spring mast replacement antenna at less than a dollar! Single-section replaces your corroded or broken antenna. Your radio cannot deliver good sound if a worn antenna is preventing good reception. Easily fits over stub of old antenna. Has 27 $\frac{1}{2}$ " fixed length. Set screw for secure mounting. Shpg. wt., $\frac{1}{2}$ lb.
92 CX 417. NET98

WARD ANTENNA LEAD EXTENSIONS

Additional lead cable lengths for replacing old cable or extending present antenna. For fender or rear mount installations.

Stock No.	Mfr's Type	Length	Shpg. Wt.	NET EA.
91 C 051	C-9	18"	6 oz.	.53
91 C 052	C-12	24"	7 oz.	.71
91 C 050	C-42	15-ft	$\frac{1}{2}$ lb.	1.91

GC-TELCO AUTO ANTENNAS

SPRING-MAGIC CONSTRUCTION

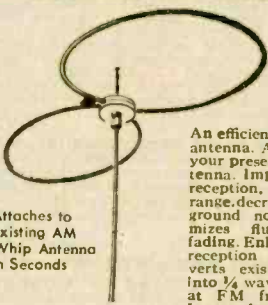


Model NSF-29F. Modern, high-quality auto radio antenna. Features a rugged universal mounting, adjustable to 30° angle. 2 $\frac{1}{2}$ " chrome-plated spring bends up to 90° to prevent broken or bent antennas. 3-section unit extends to 58", telescopes to 25 $\frac{1}{2}$ ". Easy to install—mounts in minutes. With 54" lead-in cable and easy-to-follow instructions. Made of high-quality brass tubing, chrome plated. $\frac{1}{2}$ lbs.
91 CX 398. NET 4.41

SPRING-MAGIC BALL-TENNA

Model A517-1. Universal ball-swivel antenna adjusts to any angle. Spring helps prevent broken or bent whip. 3 sections extend to 58", close to 24 $\frac{1}{2}$ ". Chrome-plated brass tubing with 54" lead. Wt., 1 $\frac{1}{2}$ lbs.
91 CX 399. NET 5.26

KNIGHT FM AUTO ANTENNA



ONLY \$4.85

Attaches to Existing AM Whip Antenna in Seconds

An efficient auto FM antenna. Attaches to your present AM antenna. Improves FM reception, increases range, decreases background noise, minimizes flutter and fading. Enhances AM reception. Converts existing whip into $\frac{1}{4}$ wave antenna at FM frequencies. Losses due to cross-polarization are eliminated, resulting in a gain of approximately 3 db. Attaches easily to any standard AM antenna. Anodized aluminum with chromed brass fittings. Weighs only 2 oz. Shpg. wt., 5 oz.
91 C 164. ONLY 4.85

CORNELL-DUBILIER INVERTER VIBRATORS



Heavy-duty vibrators for Cornell-Dubilier "Powercon" inverters. Also replace vibrators in many mobile amplifiers. Vibrator with VB in Type No. is mounted in a solid steel box

equipped with a sponge rubber liner for minimum noise and maximum stability; VD less liner for greater heat dissipation. *Tandem type has higher power capacity, has two 6-pin plugs on case. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Volts	Used in "Powercon" Models	NET EACH
91 C 310	6VB6H	6	6DC6, 6/110DH6, 6RS, 6S8, 6SW8	8.35
91 C 311	2563	6	6/12D5, 6L6, 12L88	6.41
91 C 314	*12VD6H	12	12DC12, 12H15, 12RU15, 12SH20, 12SW15	14.52

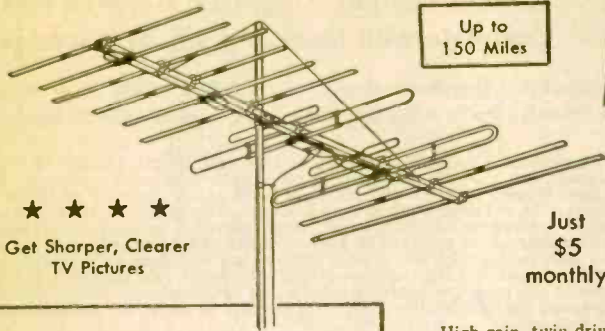
MALLORY REPLACEMENT VIBRATORS



Carefully designed, precision built vibrators offering long, trouble-free life. Springs are fabricated of high-grade clock-spring steel. Flexible 105-strand lead wire won't break—connections stay intact. Backed by years of performance. If Mallory type number is not known, write to Allied, stating make, model, tube lineup of set, or part number of the original vibrator—we will recommend correct replacement. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	V.	Size	List	NET EA.
91 C 280	4-4	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	2.35	1.32
91 C 281	12-3	12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	2.45	1.38
91 C 282	12-4	12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	2.45	1.38
91 C 283	509P	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	4.15	2.44
91 C 284	716	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	7.70	4.53
91 C 293	903M	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	3.60	2.12
91 C 294	1501	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	6.35	3.73
91 C 285	G1501	12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	6.90	4.14
91 C 288	G1502	12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	4.90	2.94
91 C 289	1512	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	6.90	4.14
91 C 290	1513	6/12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	6.90	4.14
91 C 292	1514	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	6.90	4.14
91 C 295	1601	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	4.70	2.76
91 C 320	G1601	12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	4.70	2.76
91 C 297	W1601	4	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	4.90	2.88
91 C 298	G1602	12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	4.70	2.76
91 C 299	1610	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	5.50	3.30
91 C 301	1701	6/12	1 $\frac{1}{2}$ x3"	9.60	5.64
91 C 302	1751	6	1 $\frac{1}{2}$ x3"	9.80	5.76
91 C 300	1752	6/12	1 $\frac{1}{2}$ x3"	9.70	5.62
91 C 303	1801S/725C	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	8.55	5.03
91 C 304	G1801S	12	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	9.95	5.85
91 C 305	G1801/G459	12	1 $\frac{1}{2}$ x3 $\frac{1}{2}$ "	8.55	5.03
91 C 306	1807	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	7.70	4.53
91 C 308	1808	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	7.70	4.53
91 C 307	1813	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	7.70	4.53
91 C 309	1852	6	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	9.70	5.82

Allied's Most Popular Knight Deep-Fringe Corodized Antenna



Up to
150 Miles

★ ★ ★ ★

Get Sharper, Clearer
TV Pictures

ANTENNA BOOM
SUSPENSION RODS

Eight Times Greater Boom Support Than Ordinary
Bracing—Eliminates TV Antenna Boom Sagging!

Just
\$5
monthly

Only
\$21²³

26 Elements Provide
High Signal Gain

Improved Design for
Color, Black and White

High-gain, twin-driven VHF antenna equals or surpasses the performance of many higher-priced arrays. 21 elements on high band and 5 elements on low provide extremely high sensitivity on channels 2 through 13. All-aluminum construction with gold corodized finish—even on brackets—offers greater resistance to corrosion. Features a compact, heavy-duty square boom with sturdy braces—much stronger than ordinary tubular construction. Has easy-to-install "snap-out" assembly; and positive no-tilt bracket—can be put together in minutes. Heavily reinforced sleeve elements at point of snap-out action is used for extra protection against high winds, etc. Less mast, 300-ohm line. Shpg. wt., 8½ lbs.

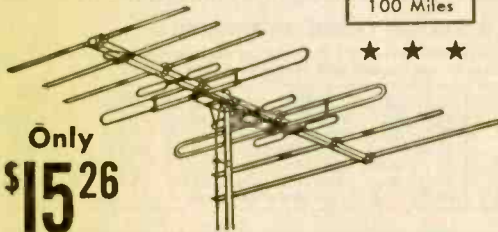
91 CZ 331. Shipped by Truck or Express. ONLY 21.23

★★★★ DEEP-FRINGE NON-CORODIZED ANTENNA

Same as above, but non-corodized. Shpg. wt., 8½ lbs.

91 CZ 332. ONLY 18.70

Knight Fringe-Area Corodized Antenna



Up to
100 Miles

★ ★ ★

Only
\$15²⁶

- 19 Elements—15 on High Band, 4 on Low—Lets You Benefit from Greater "Pull-In" Power
- Designed for Color and Black and White Sets

Get superior fringe-area reception with this broadband (channels 2 through 13), efficiently engineered antenna. Its multiple directors and dual reflectors for high front-to-back ratio—provide increased sensitivity and sharp directivity. All elements are completely gold corodized to resist corrosion. Special-design "Lock-Tite" saddle bracket assures permanent, horizontal mounting of the boom—guarantees no-tilt installation. One-inch square boom construction with vertical and horizontal plane surfaces, gives maximum rigidity for ice and wind loads. Supplied less mast, and 300-ohm line. Shpg. wt., 7 lbs.

91 CU 333. Shipped by Truck or Express. ONLY 15.26

91 CU 334. As above, but non-corodized. ONLY 14.02

3 AND 4 STAR ANTENNA STACKING KITS

GOLD-CORODIZED TYPE. For stacking two corodized antennas for greater gain. Shpg. wt., ½ lb.

91 CX 335. ONLY 1.47

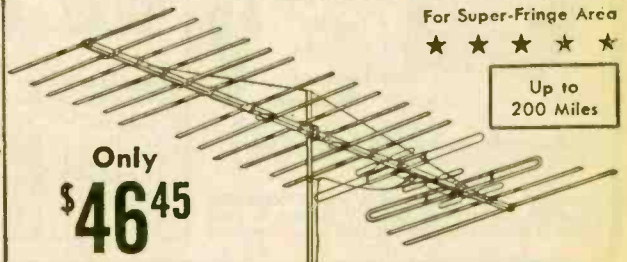
NON-CORODIZED TYPE. For stacking two non-corodized antennas for greater gain. Shpg. wt., ½ lb.

91 CX 336. ONLY 1.18

Knight's Amazing 5-Star Antenna

For Super-Fringe Area

★ ★ ★ ★ ★



Up to
200 Miles

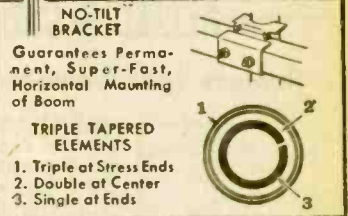
Only
\$46⁴⁵
\$5 monthly

FEATURING:

33 High, 7 Low Band
Elements for
Greatest Gain

Boom Suspension Rods
Eliminate Sagging

Clearer TV for Color,
Black and White Sets



NO-TILT
BRACKET
Guarantees Perma-
nent, Super-Fast,
Horizontal Mounting
of Boom

TRIPLE TAPERED
ELEMENTS

1. Triple at Stress Ends
2. Double at Center
3. Single at Ends

Even deepest fringe areas can receive best possible TV signals with this super-powered, 40-element antenna. Duo-Twin-Drive gives performance equal to 6 half-wave driven elements—provides remarkably increased gain. Built for amazing strength and rigidity: split boom (13' long, 1" square) reinforced with triple U-bolt saddles, "Lock-Tite" designed no-tilt bracket, boom suspension rods, and triple tapered elements with three-wall thickness at bracket end. Gold corodized to prevent corrosion. Less mast and 300-ohm twin line. Shpg. wt., 15½ lbs.

92 CU 267. Shipped by Truck or Express. ONLY 46.45

92 CU 268. As above, but non-corodized aluminum. ONLY 42.63

STACKING KITS FOR 5-STAR ANTENNAS

92 CX 079. Gold Corodized. Shpg. wt., ½ lb. ONLY 1.47

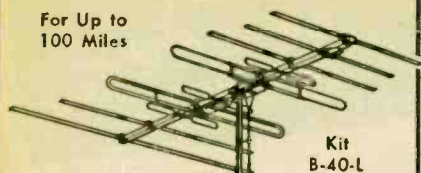
92 CX 080. Plain Aluminum. Shpg. wt., ½ lb. ONLY 1.18

Order Your TV Antenna and Accessories on Allied's Credit Fund Plan

ALLIED 425

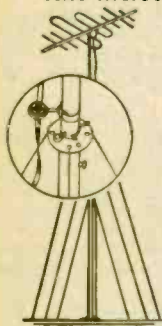
Knight 5, 4 and 3-Star Antenna Kits

For Up to
100 Miles



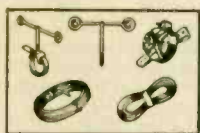
Kit
B-40-L

Kits Include:

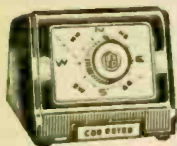


Easy-Locking
"Slip Up"
Mast

All Wire and
Hardware



OPTIONAL ROTATOR PACKAGE



- CDR Rotator
- Control
- 10-ft. Mast
- 100-ft. Cable
- Lightning Arrester



Automatic Rotator and Rotator Control

Lets you "aim" antenna in any direction for clearest reception of any TV station in your area. Provides convenient and easy operation

Allied's Famous Knight TV Antenna Kits Complete with Mast and All Accessories

- Quick and Easy Installation
- Choice of 20, 30 or 40-ft. Mast
- For Both Color or Black and White
- Complete With All Hardware

Get excellent TV reception—at big savings, too! Knight antenna kit prices are actually less than the total cost of components purchased separately. Kits for "Deep-Fringe" and "Fringe" areas are listed with a choice of 20, 30 or 40-foot masts; "Super-Fringe" with 30 or 40-foot masts. Distance to TV stations determines which antenna to use; local terrain (hills, trees, tall buildings, etc.), determines which mast height to use. The fully-automatic AR-22 rotator aims the antenna for best reception of any station. All kits are complete with weather-resistant antenna; steel mast; all-angle mount; guy wire; 100-ft. twin line; 50-ft. ground wire; ground rod; twin-line lightning arrester; all hardware; and detailed instructions. Rotators are for operation from 110-120 volts, 60 cycle AC. *Shipped by truck or express only.*

★★★★★SUPER-FRINGER KNIGHT ANTENNA KITS

Include Knight's Deluxe 5-Star antenna (described on preceding page) with extra-strength, triple-walled elements; and all accessories and instructions for making a quick, easy installation. Antenna gold-corodized to prevent corrosion.

Stock No.	Type	Description	Shpg. Wt.	EACH
91 CZ 316	E-30	30-ft. mast; with rotator package	80 lbs.	97.76
91 CZ 317	E-30-L	30-ft. mast; less rotator package	56 lbs.	59.86
91 CZ 318	E-40	40-ft. mast; with rotator package	91 lbs.	103.11
91 CZ 319	E-40-L	40-ft. mast; less rotator package	67 lbs.	65.21

★★★★★DEEP-FRINGER KNIGHT ANTENNA KITS

Include the Knight 4-Star gold-corodized antenna for clear, snow-free pictures on channels 2 to 13; all installation accessories; and detailed instructions.

Stock No.	Type	Description	Shpg. Wt.	EACH
91 CZ 383	C-20	20-ft. mast; with rotator package	55 lbs.	68.35
91 CZ 384	C-20-L	20-ft. mast; less rotator package	31 lbs.	30.93
91 CZ 385	C-30	30-ft. mast; with rotator package	71 lbs.	72.44
91 CZ 386	C-30-L	30-ft. mast; less rotator package	47 lbs.	34.54
91 CZ 387	C-40	40-ft. mast; with rotator package	82 lbs.	76.51
91 CZ 388	C-40-L	40-ft. mast; less rotator package	58 lbs.	39.09

★★★★FRINGE KNIGHT ANTENNA KITS

Include the Knight 3-Star gold-corodized antenna for outstanding performance in fringe areas; all installation accessories; and easy-to-follow instructions.

Stock No.	Type	Description	Shpg. Wt.	EACH
91 CZ 389	B-20	20-ft. mast; with rotator package	50 lbs.	62.38
91 CZ 390	B-20-L	20-ft. mast; less rotator package	26 lbs.	24.96
91 CZ 391	B-30	30-ft. mast; with rotator package	66 lbs.	66.47
91 CZ 392	B-30-L	30-ft. mast; less rotator package	42 lbs.	28.57
91 CZ 393	B-40	40-ft. mast; with rotator package	77 lbs.	70.54
91 CZ 394	B-40-L	40-ft. mast; less rotator package	53 lbs.	33.12

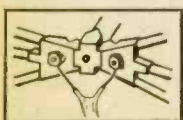
ALLIED'S Catalog is Your Complete TV Antenna Guide

Replace Your Weather-Worn Antenna



Bent, Broken,
Worn Elements

ENJOY THE BEST PICTURE QUALITY your set can deliver. Don't let a weather-worn antenna spoil your TV enjoyment. Weathering can cause a gradual decrease of picture quality. So before blaming your TV set, check your antenna! A new antenna can restore lost picture brightness and detail.



Corrosion on
Connectors

DEPEND ON ALLIED for your antenna needs. Whether your location requires a simple indoor type or a more elaborate fringe-area array, Allied has the antenna you need, listed in these pages. Our stocks include a full selection of antennas as well as necessary installation accessories.

How To Select Your TV Antenna



Indoor
Antenna



Outdoor
Antenna



Installation
Accessories

Ranges are indicated below. If in doubt, select antenna in next higher group. Stacking two (of same type), gives up to 50% more signal—needed in locations over 200 miles from station or where hills, etc., interfere.

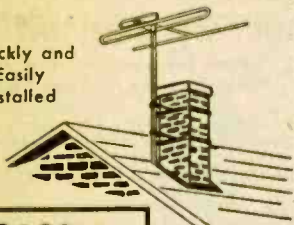
- ★ Metropolitan-Suburban (up to 40 miles).
- ★★ Semi-Fringe (up to 60 miles).
- ★★★ Fringe (up to 85 miles).
- ★★★★ Deep-Fringe (up to 125 miles).
- ★★★★★ Super-Fringe (up to 200 miles).

Knight TV Antennas and Antenna Kits

Metropolitan and Near-Fringe Antennas

FOR CHIMNEY, ATTIC OR ROOF MOUNTING

Quickly and Easily Installed



COMPLETE WITH ALL HARDWARE



★ VHF IN-LINE

Only \$8.95

Time-Saving "Quick-Rig" Design; Swing Elements in Place and Tighten

Up to 40 Miles



★ VHF CONICAL

Only \$6.45

One Bay to 40 Miles

Two Bays to 60 Miles

GOLD ANODIZED IN-LINE ANTENNA KITS

- Resist Corrosion and Rust
- Rugged 1/2" Aluminum Tubing
- Quickly, Easily Installed

★ IN-LINE KIT WITH CHIMNEY MOUNT

Complete VHF Knight antenna kit at a low, money-saving price. Time-proven in-line design provides sharp, clear color and black and white pictures on channel 2 through 13. Has a flat response—important for consistent picture quality in color TV reception—and good directivity.

Elements are of rugged, tempered 1/2" aluminum tubing; with 1" aluminum cross arm. Gold anodizing resists smoke, soot and ravages of weather. Provides excellent impedance match for color reception. Using "Quick-Rig" design, it takes just seconds to install. Kit includes: antenna assembly; 5-foot steel mast; 50-feet of 300-ohm twin line; 5 screw-in standoffs; 2 mast standoffs; straps and clamps for chimney mounting. Shpg. wt., 10 lbs.

91 CX 326..... ONLY 8.95

★ IN-LINE KIT WITH ROOF MOUNT

Same as above, but with a universal-angle roof mount. Shpg. wt., 10 lbs.

91 CX 327..... ONLY 8.70

★ IN-LINE ANTENNA ONLY

Above in-line antenna, but less all accessories. Shpg. wt., 5 lbs.

91 CX 328..... ONLY 5.85

STANDARD IN-LINE ANTENNA KITS

★ IN-LINE KIT WITH CHIMNEY MOUNT

Complete VHF Knight antenna kit with a chimney mount and all of the accessories listed with 91 CX 326 above, but without gold anodizing. Shpg. wt., 10 lbs.

92 CX 045..... ONLY 7.75

As above, with accessories; but with universal-angle roof mount. Wt., 9 lbs.

92 CX 041..... ONLY 6.95

Above standard antenna; less all accessories. Shpg. wt., 5 lbs.

92 CX 042..... ONLY 3.95



★ HIGH-LOW

For Better VHF Reception

Up To 40 Miles

Only \$7.95

HIGH-LOW ANTENNA KITS

- Highly Efficient 2-Band Design
- Receptors "Aim" Separately—Give Best Signal on Each Band
- Mounting Hardware Included

★ HIGH-LOW ANTENNA KIT WITH CHIMNEY MOUNT

A two-band VHF Knight antenna kit at a remarkably low price. Separate directional adjustments permit "aiming" high and low-band elements individually. Gives peak performance in areas where high and low-band signals come from different directions. Provides excellent reception of color and black and white programs, channels 2 to 13.

Elements are sturdily constructed of 1/2" aluminum tubing. Connecting loop, supplied assures correct impedance match for maximum signal gain. Kit includes: antenna; 5-foot steel mast; 5 screw-in standoffs; 2 mast standoffs; 50-feet of twin line; lightning arrester; and all chimney mounting hardware. Shpg. wt., 10 lbs.

92 CX 048..... ONLY 7.95

★ HIGH-LOW ANTENNA KIT WITH ROOF MOUNT

Same as above, but with a universal-angle roof mount. Shpg. wt., 9 lbs.

92 CX 047..... ONLY 6.95

★ HIGH-LOW ANTENNA ONLY

Above 2-band antenna, but less all accessories. Shpg. wt., 5 lbs.

92 CX 016..... ONLY 4.19

CONICAL ANTENNA KITS

- "Quick-Rig" Installation
- Highly Efficient Reception On All VHF TV Channels
- Rugged, Trouble-Free Design

★ SINGLE-BAY CONICAL KIT WITH CHIMNEY MOUNT

Value-packed Knight antenna kit for excellent reception of all VHF channels (2 through 13). Solidly constructed elements are made of 3/4" aluminum tubing; cross-beam of heavy-1" aluminum. Provide high gain performance for both color and black and white sets. "Quick-Rig" design cuts down installation time. Kit includes: conical antenna; sturdy 5-foot steel mast; 50-feet of 300-ohm twin line; 2 mast standoffs; 4 screw-in standoffs; lightning arrester; straps and clamps for chimney mounting. Everything for a first-class TV antenna setup. Shpg. wt., 7 lbs.

92 CX 174..... ONLY 6.45

★ SINGLE BAY CONICAL KIT WITH ROOF MOUNT

Same as above, but with a universal-angle roof mount. Shpg. wt., 6 lbs.

92 CX 135..... ONLY 6.25

★★ TWO-BAY CONICAL KIT WITH CHIMNEY MOUNT

Complete 2-bay Knight antenna kit for excellent near-fringe VHF TV reception. Includes all of the accessories listed with 92 CX 174 above, but with two 5-ft. masts. Shpg. wt., 10 lbs.

92 CX 173..... ONLY 8.95

★★ TWO-BAY CONICAL KIT WITH ROOF MOUNT

As above, but with a universal-angle roof mount. Shpg. wt., 9 lbs.

92 CX 133..... ONLY 8.25

★ SINGLE-BAY ANTENNA ONLY

Above single-bay, but less all accessories. Shpg. wt., 3 lbs.

92 CX 136..... ONLY 2.65

STACKING KIT. To stack 2 single-bay conicals into 2-bay array. Wt., 8 oz.

92 CX 116..... ONLY .65

STACKING KIT. To stack two 2-bay conicals into 4-bay array. Wt., 1 1/4 lbs.

92 CX 115..... ONLY 1.55

FINNEY Fringe-Area TV Antennas

- Absolute Flat Response for Color and Black-White TV Reception
- Gold Corodizing, 100% Protective Surfacing on Aluminum Antennas

TWIN-DRIVEN "GEOMATIC" VHF ANTENNAS

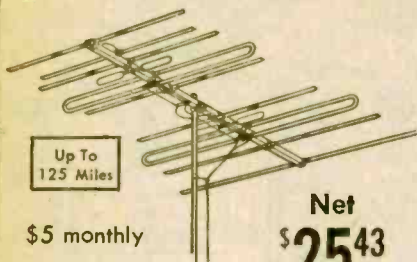
- High Gain—Sharp Directivity
- Pre-Assembled for Easy Set-Ups
- Boom Suspension—Heavy Duty
- Flat Response for Color Reception

★★★★MODEL GB-8—125 Miles. Deluxe, gold-corodized aluminum unit with 3 directors and 2 reflectors for top-notch deep-fringe performance. Exclusive "Fidelity Phasing" simplifies design; gives in-phase colinear currents for greater signal gain. Less mast, lead-in. Shpg. wt., 10 lbs.
92 CZ 594. List. \$43.25. Shipped by Truck or Express Only. NET 25.43

★★★★MODEL B-8—125 Miles. As above, but without gold corodizing. Wt., 10 lbs.
92 CZ 085. List. \$39.00. Shipped by Truck or Express Only. NET 22.93

★★★★MODEL B-7—125 Miles. Has same features as Model B-8 above, but with 1 reflector instead of two. Shpg. wt., 6½ lbs.
92 CZ 093. List. \$25.90. Shipped by Truck or Express Only. NET 15.23

★★★★MODEL B-6—85 Miles. Same as Model B-8, but has 1 reflector, 1 director. 5½ lbs.
92 CU 094. List. \$19.65. Shipped by Truck or Express Only. NET 11.55

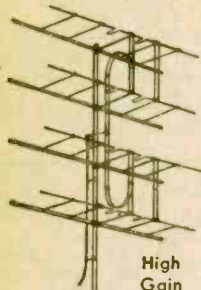


Up To
125 Miles

\$5 monthly

Net
\$25.43

CO-LATERAL UHF-VHF ANTENNA



Preassembled

Up to
125 Miles

Net
\$25.67
\$5 monthly

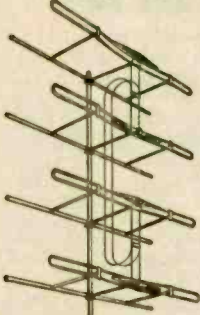
High
Gain

• Lets You Use One Antenna—
One 300-ohm Twin Line

• High Sensitivity and Directivity

★★★★MODEL 400-A—125 Miles. A deep-fringe double co-lateral antenna for outstanding reception on all UHF and VHF TV channels. 32 driven elements achieve extremely high gain, directivity and signal-to-noise ratio. Permits excellent reception on VHF channels at distances of 125 miles and more. Lightweight construction—weighs only 8 lbs. Element brackets self-locking and self-aligning. Rugged all-aluminum construction and stainless steel hardware. Only one lead-in required (tubular type recommended). Requires 10-ft. (minimum) mast. Less mast and 300-ohm twin line. Wt., 12 lbs.
92 CZ 269. List. \$43.65. NET 25.67

SUPER-FRIDGE ANTENNA



"Fidelity
Phasing"
Design

Up to
150 Miles

Net
\$28.14
\$5 monthly

★★★★MODEL F-4—150 Miles. Super-fringe VHF antenna with exclusive "Fidelity-Phasing." Produces superior performance on all VHF channels from 2 through 13. Excellent reception even at locations extremely distant from TV stations. Highly suitable for color-TV reception—has very flat frequency response; less than 1 db variation in frequency response on any channel. 4 driven low-band, in-phase folded dipoles, plus 12 driven high-band, in-phase, folded dipoles form a highly effective colinear array. Extremely high sensitivity and directivity. Rugged, lightweight, aluminum construction. Preassembled for quick, simplified installation. Less mast, 300-ohm twin line. Shpg. wt., 13 lbs.
92 CZ 072. List. \$47.85. NET 28.14

VHF BROAD-BAND TV ANTENNA KIT



For Up to
60 Miles

Mounts on
Peaked or
Flat Roof

Net
\$6.97

★MODEL B-213—60-Miles. Own a lowest compact, twin-driven antenna with excellent gain on both low and high bands. Modern design provides performance rivaling that of more costly stacked conicals and many yagi-type antennas. "Fidelity-Phasing" assures remarkable reception on both color and black and white. Has extremely narrow pick-up pattern and very high front-to-back ratio. All-aluminum preassembled design. Withstands icing. Less mast, and 300-ohm twin line. Shpg. wt., 4 lbs.
91 CZ 396. List. \$11.85. NET 6.97

★★MODEL B-213S—85 Miles. Same antenna as above, but stacked for extra gain. Shpg. wt., 6 lbs.
91 CZ 397. List. \$24.00. NET 14.11



Fully Transistorized

T-AMB TV-FM BOOSTER/COUPLER

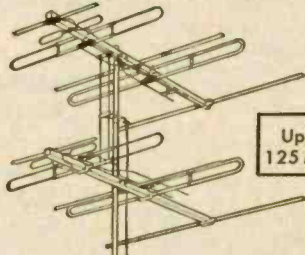
Bring in stations you've hardly been able to receive! Improves reception in fringe and weak-signal areas, and permits signal distribution to up to 4 TV sets or FM receivers. Booster/coupler mounts on antenna; remote power supply uses flashlight batteries. Gain with one FM set is 12 db @ 108 mc, 15 db @ 88 mc; with TV set, gain is 8.5 db on channels 7-13, 15 db on channel 6, and 17 db on channel 2. Less batteries, below. Power supply, 1½x3x7¼"; booster/coupler, 1½x2¼x3". Shpg. wt., 1½ lbs.
91 C 157. List. \$29.95. NET 18.62
55 J 005. Battery. For above (4 required). 5 oz. NET .14
91 C 276. AC Version of Above. List. \$34.95. NET 21.27

STACKING KITS

MODEL A. For stacking all Series B antennas, above. Gives increased gain on Channels 3, 7-13 with Models B-6, B-7; Chs. 7 through 13 on all other models. Shpg. wt., 8 oz
92 C 086. List. \$2.10. NET 1.23

MODEL C. For stacking GB-8, B-8, B-7, or B-6. Gives increased gain on Chs. 2-6 with Model B-6; Chs. 2-6, 11-13 with B-7; Chs. 2-6, 10-13 with B-8 and GB-8. Wt., 1 lb.
92 CX 087. List. \$3.10. NET 1.82

"GEOMATIC" TWIN-DRIVEN 2-BAY VHF ANTENNAS



Up to
125 Miles

Net
\$24.34
\$5 monthly

★★★★MODEL B-66-A. Deep-fringe antenna featuring very great front-to-back ratio and high gain on all channels. "Fidelity Phasing" efficiently combines the low-band folded dipole operation and high-band 3-element colinear operation without complicated phasing harnesses—assures correct impedance match, too. Preassembled for surprisingly simple installation. Less mast and twin line. Shpg. wt., 10 lbs.
92 CZ 568. List. \$41.40. Shipped Truck or Express. NET 24.34

MODEL B-66-C. For maximum front-to-back ratio on channels 2 and 3, and maximum gain on 2-6. Shpg. wt., 10 lbs.
92 CU 569. List. \$42.40. Shipped Truck or Express. NET 24.93

- Offer Maximum Gain Per Element
- Solid Rod Construction—10 Times stronger than Tubing
- Complete Instruction Sheets

FINNEY TV and TV-FM Antennas

NEW

COMBINATION TV-FM "COMBINE" ANTENNAS

★ Combine No. 1 **Net \$6.67** (Up to 40 Miles)

★★ Combine No. 2 **Net \$11.76** (Up to 60 Miles)

★★★ Combine No. 3 **\$22.05** (Up to 85 Miles)

METROPOLITAN TV-FM ANTENNAS
 GOLD-CORODIZED TYPE. 5-elements for TV —3 for high-band and 2 for low band; plus an all-directional halo for pickup of FM stations within 20 miles. No switches, no couplers needed—2 lead-ins let you enjoy both sources in different rooms! Less mast and twin line. Shpg. wt., 3½ lbs.
 92 CX 367. List, \$15.95. **NET 6.67**
 92 CX 368. Non-Corodized. As above, plain aluminum. 3½ lbs. List, \$12.95. **NET 5.85**

SEMI-FRINGE TV-FM ANTENNAS
 GOLD-CORODIZED TYPE. 14-elements for TV —10 for high-band and 4 for low-band; combined with a directional 3-element yagi for FM reception within 40-45 miles. One compact antenna makes possible sharp color, black and white pictures—plus the finest in FM sound. Less mast, line, 5 lbs.
 92 CU 370. List, \$20.00. **NET 11.76**
 92 CU 371. Non-Corodized. As above, plain aluminum. 5 lbs. List, \$17.95. **NET 10.55**

FRINGE-AREA TV-FM ANTENNAS
 GOLD-CORODIZED TYPE. 20 twin-driven elements for TV—15 for high-band, 5 for low-band; along with a directional twin-phase 4-element yagi for FM up to 75 miles. Long-lasting corodized finish prevents corrosion. Preassembled for easy installation. Less mast and twin line. Wt., 8 lbs.
 92 CU 373. List, \$37.50. **NET 22.05**
 92 CU 382. Non-Corodized. As above, plain aluminum. 8 lbs. List, \$33.95. **NET 19.96**

"GEOMATIC" FRINGE-AREA TV ANTENNAS

High-quality yagi TV antennas for superior black-and-white and color reception in fringe areas. Feature durable, aluminum construction for dependable performance and resistance to weather extremes. Provide maximum gain, sharp directivity pattern, flat frequency response, and high front-to-back ratio.

SINGLE-CHANNEL YAGI VHF TV ANTENNAS

★★★★★ **MODEL 14.** Fourteen element units for super-powered high-band reception. Feature exclusive triple "Diamatic" boom suspension rods that eliminate vibration and boom sway. Feature 15'6" boom. Av. wt., 6 lbs.

Stock No.	Model	Channel	List	EACH
92 CU 387	H14-7	7		
92 CU 388	H14-8	8		
92 CU 391	H14-9	9		
92 CU 393	H14-10	10	22.95	13.49
92 CU 399	H14-11	11		
92 CU 400	H14-12	12		
92 CU 401	H14-13	13		

★★★ **MODELS Y5 AND H5.** Five element units. Av. shpg. wt., 2 lbs.

Stock No.	Model	Channel	List	EACH
92 CU 242	Y5-2	2	\$11.05	6.50
92 CU 243	Y5-3	3	10.77	6.33
92 CU 244	Y5-4	4	10.42	6.13
92 CU 245	Y5-5	5	9.72	5.71
92 CU 251	Y5-6	6	9.31	5.48
92 CX 560	H5-7	7	6.65	3.91
92 CX 561	H5-8	8	6.65	3.91
92 CX 562	H5-9	9	6.65	3.91
92 CX 563	H5-10	10		
92 CX 564	H5-11	11	6.65	3.91
92 CX 565	H5-12	12		
92 CX 566	H5-13	13		

★★★ **MODELS Y10 AND H10.** Ten element units. Av. shpg. wt., 4¼ lbs.

Stock No.	Model	Channel	List	EACH
92 CU 236	Y10-2	2	\$22.20	13.05
92 CU 237	Y10-3	3	21.65	12.73
92 CU 238	Y10-4	4	20.55	12.08
92 CU 240	Y10-5	5	19.55	11.50
92 CU 241	Y10-6	6	18.80	11.05
92 CU 552	H10-7	7	9.95	5.85
92 CU 553	H10-8	8	9.95	5.85
92 CU 554	H10-9	9	9.95	5.85
92 CU 555	H10-10	10		
92 CU 556	H10-11	11		
92 CU 557	H10-12	12	9.95	5.85
92 CU 558	H10-13	13		

MODEL A STACKING KIT. For all Finney H5 and H10 antennas; H14-713, H10-713, and H6-713. Shpg. wt., 8 oz.
 92 C 086. List, \$2.10. **NET 1.23**

MODEL B STACKING KIT. For stacking all Finney Y5 and Y10 single-channel antennas. Shpg. wt., 8 oz.
 92 CX 075. List, \$2.60. **NET 1.53**

MODEL C STACKING KIT. For stacking Model L antennas, below. Wt., 1 lb.
 92 CX 087. List, \$3.10. **NET 1.82**

BROADBAND—HIGHBAND ANTENNAS (For Channels 7 through 13)

Area	Stock No.	Model	Boom	Elements	Wt.	List	EACH
★★★★★	92 CU 402	H14-713	15'6"	14	6 lbs.	\$24.95	14.67
★★★★	92 CU 559	H10-713	6'11"	10	4¾ lbs.	12.95	7.61
★★★	92 CX 567	H6-713	4'10"	6	2¾ lbs.	8.75	5.14

★★★★★ **"GEOMATIC" LOW-BAND ANTENNAS**
 MODEL L. High gain, sharp directivity and high front-to-back ratio are featured in these "customized" antennas. Designed for outstanding deep-fringe reception on the low band channels—Model L-26 covers the entire low band; all others cover specific portions. Have preassembled "snap-out" elements; heavy, square aluminum boom. For higher gain, stack with Model C Kit, above. Less mast and 300-ohm line. Av. shpg. wt., 8½ lbs.

Stock No.	Model	Channels
92 CZ 283	L-26	2-6
92 CZ 284	L-25	2-5
92 CZ 285	L-24	2-4
92 CZ 286	L-36	3-6
92 CZ 287	L-35	3-5
92 CZ 288	L-46	4-6
92 CZ 289	L-45	4 and 5

List, \$24.90. **NET EACH** **14.64**

For Up to 125 Miles **H and Y Series 10-Element**
 For Peak Performance in Remote Signal Areas

For Up to 85 Miles **H and Y Series 5-Element**
 Popular, High-Efficiency Antenna

For Up to 125 Miles **L-Series Low-Band**
 For Outstanding Performance on Low-Band Channels

You Can Order Your TV Antenna and Accessories on Allied's Credit Fund Plan NO MONEY DOWN

JFD VHF TV Antennas—TV Signal Booster

JFD ANTENNAS SHRINK THE MILES—FLATTEN THE MOUNTAINS

Up to
150 Miles

★★★★VX1111G
"SATELLITE HELIX"



- 25 Multi-Function Elements
- Gold-Alodized Aluminum
- High Gain on All Channels

Deluxe unit for superior color or black and white reception in deep-fringe areas. 25 multi-function physical elements operate along with a highly directive micro-wave helical probe to provide sharp directivity and extremely wide vertical beam width—pinpoints remotest stations and side-steps ghosts and noise. Exceptionally high front-to-back ratios give flawless picture definition—up to 28 db gain on high-band, 25 db on low-band. Alodized finish aluminum (described below), withstands corrosion and icing. 1" square boom securely locks to mast; has 2—1" tubular braces. Less mast and twin line. Shpg. wt., 15 lbs.

NET 29.11

*** MODEL PX911G "POWER-HELIX." Similar to Model VX1111G above, but has 22 elements. Special spacing and phasing develops front-to-back ratios of up to 28 db. Gold alodized. Wt. 15 lbs.

NET 21.73

92 CZ 404. List, \$49.50

92 CZ 191. List, \$36.95

★★★★ ANS400G "BANSHEE"



Net
\$22⁷⁸

\$5 monthly

Up to
125 Miles

- 18-Element Design
- Gold Alodized
- Powerful Twin-Driven Elements

Engineered to bring sharp, clear pictures to deep-fringe areas. Twin-driven elements, precision cut and spaced directors and reflectors extend high-gain response across VHF band. Increased sensitivity obtained through use of loading coils on the director elements. Low silhouette offers little wind resistance—gold alodized finish prevents corrosion. Two braces of 1" aluminum tubing solidly support 1" square boom. Driven elements are rugged 1" and 3/8" dia. tubing. Preassembled. Less mast, lead-in. Shpg. wt., 9 lbs.

92 CZ 195. List, \$38.75

NET 22.78

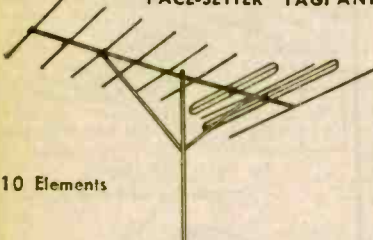
★★★★ MODEL ANS300G "SUPER BLITZ BANSHEE"

15 Elements—Up to 125 Miles—Gold Alodized—Low Silhouette High performance antenna employing efficient multi-function element design. Features twin driven elements in a super-sensitive broad-band array. Includes two 1" diameter braces for support. Very simple installation. Less mast and 300-ohm twin line. Shpg. wt., 9 lbs.

92 CZ 413. List, \$35.27

NET 20.74

"PACE-SETTER" YAGI ANTENNAS



10 Elements

Up to
125 Miles

- For Steady, Clear Pictures in Color or Black and White
- Rustproof, Seamless Aluminum Crossarms

★★★★ SINGLE CHANNEL 10-ELEMENT TYPES

Provide very high gain and sharp directivity for maximum reception in deep fringe areas. Ten elements on a full length, 1" O.D. crossarm deliver over 1 1/2 db gain—52% more signal gain than conventional 5-element type yagis. Each antenna is designed for best performance on one channel. Y-type boom brace supplied with low-band antennas (for channels 2 to 6), to give additional support. "AAA Gold-Alodized" to resist effects of weather. Preassembled for surprisingly easy installation. Less mast and 300-ohm twin line. Av. shpg. wt., 9 lbs.

No.	Model	Channel	List	EACH	No.	Model	Channel	List	EACH
92 CZ 309	10Z2	2	\$23.60	13.88	92 CZ 316	10Z8	8	9.50	5.59
92 CZ 310	10Z3	3	22.90	13.47	92 CZ 317	10Z9	9	9.50	5.59
92 CZ 311	10Z4	4	22.05	12.97	92 CZ 318	10Z10	10	9.50	5.59
92 CZ 313	10Z5	5	21.25	12.50	92 CZ 320	10Z11	11	9.50	5.59
92 CZ 314	10Z6	6	20.85	12.25	92 CZ 321	10Z12	12	9.50	5.59
92 CZ 315	10Z7	7	9.50	5.59	92 CZ 328	10Z13	13	9.50	5.59

"PACE-SETTER" STACKING HARNESSSES

Matching harnesses for stacking any of the single channel, 10-element yagi antennas listed above, for even greater signal gain—needed for distant stations and hilly areas. Gold-alodized. Av. shpg. wt., 1/2 lb.

No.	Model	Channel	EACH	No.	Model	Channel	EACH
92 CX 405	YT2G	2	1.03	92 CX 410	YT5G	5	1.03
92 CX 407	YT3G	3		92 CX 411	YT6G	6	
92 CX 408	YT4G	4		92 CX 412	YT713G	7-13		.73

"AAA GOLD ALODIZED"

JFD's "Gold Alodized" antennas are Attractive, Anti-Corrosive, and Alodine Treated! Keeps your antenna looking like new—working like new. The process consists of immersing the antenna in a gleaming gold electro-chemical bath that actually becomes a permanent part of the aluminum. This coating protects the antenna by preventing corrosion or discoloration from atmospheric gases, salt air, dust and soot, and wind or ice. And, this lustrous gold alodizing will never flake, peel or chip—it is as durable as the aluminum to which it is bonded... electrically conductive for maximum signal transfer for terminals... assures best antenna performance.

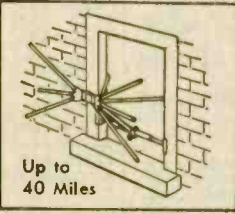
★★★ MODEL AM300G "BLITZ BANSHEE"

9 Elements—Up to 85 Miles—Gold Alodized—Low Silhouette Efficient VHF antenna similar to above. Driven elements are of 1" round, seamless tubing; have capped ends to prevent wind whistling. Less mast, twin line. Shpg. wt., 9 lbs.

92 CZ 416. List, \$24.30

NET 14.29

★ LOW-COST VHF CONICAL WINDOW ANTENNA



Up to
40 Miles

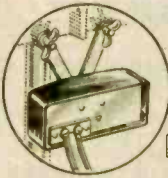

MODEL G119G—For up to 40 Miles. Low-cost, all-aluminum gold alodized conical window antenna for strong-signal areas. Ideal for apartment buildings, hotels, etc., or wherever roof-top installations are not practical, but where the greater signal gathering power of an outdoor antenna is desired. Provides sharp viewing on all VHF channels—2 through 13. Extremely simple to install. Easily fits on the outer frames of most windows—adjustable from 32" to 42" in width. Antenna can be adjusted to proper position for best reception. Comes complete with all necessary mounting hardware—ready for quick, convenient installation. Less 300-ohm twin line for connection to TV set. Shpg. wt., 7 lbs.

92 CX 081. List, \$9.73

NET 5.71

NEW TRANSISTORIZED TV SIGNAL BOOSTER

- Up to 800% More Picture Power on All Channels
- Powers up to 4 TV Sets

MODEL TNT103. Now you can convert your existing Yagi, conical and any other antenna type into a transistorized antenna-distribution system. Delivers brilliant pictures to black and white, or color sets. Transistorized amplifier, TNT25 (Fig. A), mounts directly on antenna to eliminate line-loss and noise pickup. AC powered supply, TNT85 (Fig. B), connects to house current for single or multiple set operation. With mounting hardware; less antenna. For 110-120 v., 60 cycle AC. Shpg. wt., 1 1/2 lbs.

91 C 277. List, \$36.95

NET 24.26

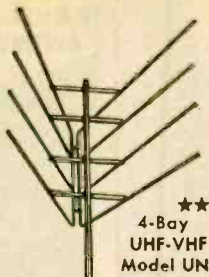
JFD and All-Channel's TV Antennas and Kits

JFD UHF AND UHF-VHF TV ANTENNAS

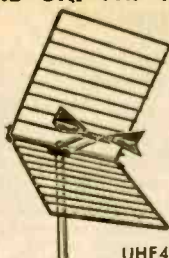


Up to 85 Miles

★★★

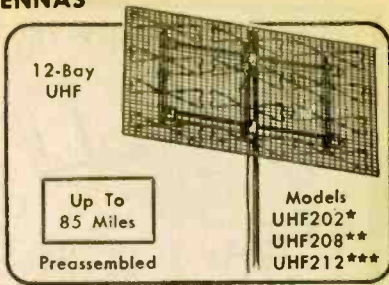


★★★
4-Bay UHF-VHF Model UN105



Up to 40 Miles

★
UHF410G Corner Reflector



12-Bay UHF

Up To 85 Miles
Preassembled

Models UHF202* UHF208** UHF212***

Translator UHF TR-1212

TRANSLATOR UHF ANTENNAS

★★★MODEL TR1212—Up to 85 Miles. 12-bay UHF antenna designed especially for excellent reception over long distances. Sharply directive and highly sensitive on UHF channels 70-83. Average 14 db gain is obtained from 12 horizontally and vertically wide-spaced and phased "cardioid" dipoles working off an oversized reflector. Features extremely narrow forward lobe—no side or rear lobes. Reflector also shields antenna from undesirable rear signal and noise pickup—eliminates "ghosts." Has rigidly constructed galvanized wire screen with precision-formed 1/4" solid aluminum dipoles. Unitized preassembled construction for quick, easy installation. Less mast and 300-ohm twin line. Shpg. wt., 10 lbs.
92 CZ 172. List, \$24.95. NET... 14.67

★MODEL 1206—Up to 40 Miles. Similar to UHF antenna Model TR1212 above, but has 6 wide-spaced and phased "cardioid" dipoles working off an oversized reflector. Provides an average signal gain of 12 db—brings in sharper, clearer pictures for your viewing pleasure. Less mast and 300-ohm twin line. Shpg. wt., 7 lbs.
92 CZ 187. List, \$11.95. NET... 7.03

UHF AND VHF-UHF ANTENNAS

★★UN105—Up to 60 Miles. UHF-VHF antenna for channels 2 to 83. 4-bay for extra gain and signal sensitivity for semi-fringe areas. Features redwood crossarms. Preassembled. Simply swing sections open and tighten. Has anti-rust, anti-corrosion, all-aluminum elements. Less mast and 300-ohm twin line. Shpg. wt., 5 1/2 lbs.
92 CU 107. List, \$11.60. NET... 6.82

★MODEL UHF410G—40 Miles. UHF unit with extremely sharp directivity. High front/back and front/side ratio cuts down interference and "ghosts." Twin-angled, multi-grid reflectors trap maximum signal strength, concentrating it in-phase on bowtie dipole. Solid aluminum, gold alodized finished. Easily installed. Less mast, line, 6 lbs.
92 CX 403. List, \$8.35. NET... 4.91

★★MODEL UHF208—60 Miles. 8-bay. UHF bowtie antenna for semi-fringe area reception. Wire mesh reflector and matched elements provide optimum gain on all channels. Rigidly constructed; solid aluminum rods and galvanized screen. Preassembled for easy installation. Less mast and twin line. Shpg. wt., 8 lbs.
92 CU 550. List, \$19.95. NET... 11.73

★★★MODEL UHF212—Up to 94 Miles. 12-bay UHF bowtie antenna for fringe area reception. Super-sensitive "cardioid" dipole design provides extremely high gain, averaging 15 db, over all UHF channels, 14 through 83. Screen is engineered for efficient shielding of conical sections—wire grid offers higher signal-to-noise ratios and noise rejection. Provides sharp directivity; greatly reduces interference and "ghosts." Electronically welded vibration-less assembly is preassembled for swift, simplified installation. Less mast and 300-ohm twin line. Shpg. wt., 10 lbs.
92 CU 551. List, \$33.50. NET... 19.70

★MODEL UHF202—Up to 40 Miles. 4-bay vertically stacked UHF bowtie antenna for metropolitan and suburban areas. Gives high gain averaging 8 db on all channels—reduces snow and reflections. "Custom-Channel" calibrator peaks individual channels for best response. Precision spaced elements and phasing harness for maximum gain. Galvanized iron grid wire screen with 1/4" O.D. solid aluminum rods. Preassembled for fast, convenient installation. Less mast and 300-ohm twin line. Shpg. wt., 6 lbs.
92 CU 151. List, \$8.95. NET... 5.26

ALL-CHANNEL "REMBRANDT" ANTENNA KITS

- All-Direction Pickup
- Handy Switch Automatically Connects Proper Element
- Covers Channels 2-13
- Made of Sturdy Aluminum
- Preassembled Elements—Quick, Easy Installation

12-Position Switch



Twelve-position switch—included with famous "All-Channel" "Riviera" and "Atlas" antennas, listed below—selects proper antenna elements for clearest picture from any direction without having to rotate antenna assembly.

★★★★"RIVIERA" VHF KIT

All-directional, 2-bay antenna complete with all accessories for easy installation. Sixteen 60" elements provide excellent deep-fringe reception. Convenient 12-position switch can be positioned at the TV set—selects proper elements for best reception from any direction. Lets you enjoy sharper, clearer viewing with color sets and black and white. Sturdy aluminum construction includes four 45" stacking bars. Diamond-embossed, 1/2" diameter elements are preassembled—simply fold out for quick set-up. Kit includes: two 5-foot masts; 100 feet of lead-in; 3 mast insulators; 5 wall insulators; and chimney mount. Shpg. wt., 15 lbs.
92 CU 137. \$5 Monthly. Shipped by Truck or Express Only... NET 32.92

"RIVIERA" ANTENNA AND SWITCH. As above, but less mast and all installation accessories. Shpg. wt., 10 lbs.
92 CU 351. \$5 Monthly. NET... 19.85

★★★2-BAY "ATLAS" VHF KIT

UP TO 85 MILES. Near-fringe antenna with eight 45" flip-out elements (preassembled) in each of 2 bays; plus four 45" stacking bars. Supplied complete with same 12-position selector switch featured in the "Riviera" kit, described above. Has 1/2" diameter elements, diamond-embossed for extremely efficient signal pickup. Can be used for color TV reception, as well as black and white. Kit includes: 70 feet of flat transmission line, lugged and wired to the antenna; two 5-foot mast sections; 4 standoff insulators; and 4" wall-mount brackets. Shpg. wt., 14 lbs.
91 CU 337. \$5 Monthly. Shipped by Truck or Express Only. NET... 22.45

"Riviera"

★★★★

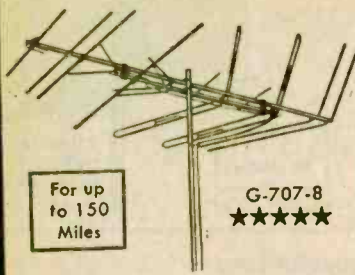
For Up to 125 Miles

Accessories Supplied with "Riviera" Antenna Kit

Items with U or Z in Stock No. Shipped by Truck or Express

VHF and UHF TV Antennas

TACO T-BIRD VHF TV ANTENNAS



For up to 150 Miles

G-707-8
★★★★★

★★★★★MODEL G-707-8. Eight specially designed elements provide up to 12½ db signal gain on channels 2 to 13. Gold anodized surface assures maximum protection against corrosion and weathering. Shpg. wt., 12½ lbs.
92 CZ 199. List. \$65.05. NET 38.25

★★★★★MODEL 707-8—150 Miles. Same as above, but non-anodized. Shpg. wt., 12½ lbs.
92 CZ 200. List. \$57.70. NET 33.93

★★★★★MODEL G-707-5—85 Miles. Gold anodized "T-Bird" antenna. Like Model G-707-8, but has 5 elements and single crossarm. Shpg. wt., 6½ lbs.
92 CZ 201. List. \$33.55. NET 19.73

★★★★★MODEL 707-5—85 Miles. Like G-707-5, but non-anodized. Wt., 6½ lbs.
92 CZ 203. List. \$28.30. NET 16.64

- Designed for Increased Sensitivity, Sharp Directivity
- For Black and White or Color TV

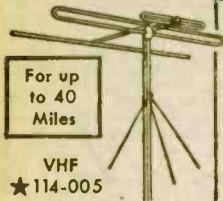
"T-Bird" TV antennas provide extremely high gain, sharp directivity, high front-to-back ratios and 12½ db gain for bright, clear pictures. Minimize interference and permit exceptionally good fringe area reception on channels 2 to 13. Extremely flat picture definition —ideal for use with color TV. Models G-707-8 and 707-8 have double trussed crossarm for extra mechanical strength. Less mast and 300-ohm twin line.

★★★★★MODEL G-707-6—125 Miles. Same as Model G-707-8 (left), but has 6 elements and single crossarm construction. Gold anodized surface protects antenna against weathering and corrosion. Shpg. wt., 9 lbs.
92 CZ 204. List. \$46.15. NET 27.14

★★★★★MODEL 707-6—125 Miles. Same as above, but has non-anodized surface. Shpg. wt., 9 lbs.
92 CZ 206. List. \$39.85. NET 23.43

★★★★★MODEL 707-5—85 Miles. Like G-707-5, but non-anodized. Wt., 6½ lbs.
92 CZ 203. List. \$28.30. NET 16.64

AMPHENOL TV ANTENNAS



For up to 40 Miles

Time-Proven, High-Efficiency Design

Reduce "Ghosts" and Stray Reflections

Excellent for Color and Black and White

VHF

★114-005

INLINE VHF ANTENNAS

★MODEL 114-005. For all VHF channels. Ideal for metropolitan and suburban use. Unusually broad frequency response. Uni-directional pattern and excellent impedance match on high and low-bands reduces stray reflections and "ghosts." Antenna elements constructed of sturdy aluminum tubing. Mast is heavy-gauge steel. Includes one 5"x¾" mast, guy ring, mounting bracket, hardware, stand-off insulators, 75 feet of high-quality 300-ohm twin line. Shpg. wt., 7 lbs. Truck or Express only.
92 CU 300. List. \$21.85. NET 13.13

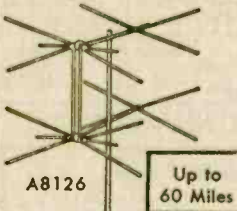
★MODEL 114-009. Same antenna as 114-005 above, but less 300-ohm twin line. Shpg. wt., 6 lbs. Truck or Express only.
92 CU 301. List. \$19.25. NET 11.55

★MODEL 114-040. Same as 114-005 above, less mast, twin line and stand-off insulators. Shpg. wt., 5 lbs. Truck or Express.
92 CU 303. List. \$15.75. NET 9.45

INLINE STACKED ARRAY

★★MODEL 114-314—60 Miles. Ruggedly constructed, 2-bay stacked antenna. Consists of a top and bottom bay properly phased for all VHF channels. Each bay consists of 2 folded dipoles and a low-band reflector element, and is similar in construction and performance to Model 114-005 inline antenna shown above. Low-band folded dipole of each bay acts as reflector for high-band dipole when receiving channels 7-13. Less 300-ohm line and 10-ft. mast. Shpg. wt., 12 lbs. Truck or Express.
92 CU 302. List. \$32.50. NET 19.50

TELCO "IMPERIAL" VHF TV ANTENNAS



A8126

Up to 60 Miles



Barrier Disc Insulator

- Excellent Directivity and Sensitivity
- Resist Salt, Moisture, Soot, etc.
- Provide High Gain on All VHF Channels

★★ MODEL A8126. Extremely popular "Imperial" 2-bay VHF conical antenna for all TV channels. Advanced design provides very high gain on all channels in fringe and high signal strength areas under all kinds of weather conditions. Has excellent directivity and sensitivity—provides unusually clear picture reception. Employs weather-proofed terminal structure.

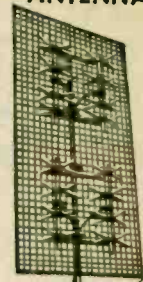
The "Imperial" can be used in sea coast or heavy industrial areas. Features a barrier disc type insulator with 2" of air space between the terminals. Salt, moisture, soot, corrosion, etc., will not affect the gain or picture quality. Contact surfaces and terminals will never rust or oxidize. Stainless steel, front-end hardware prevents signal losses through corrosion.

Front-end elements are pre-assembled to holding plates which fasten to insulator with one wing nut. Just fold elements in place and fasten wing nut. Less twin line and mast. Shpg. wt., 8 lbs.
92 CU 346. NET 10.73

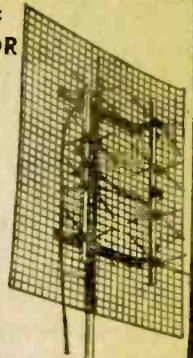
★MODEL A8124—40 Miles. Same as above, but single-bay. Shpg. wt., 4 lbs.
92 CU 350. NET 5.06

MODEL A8126-1 STACKING KIT. For stacking two Model A8124 single-bay antennas. With all hardware. Shpg. wt., 1 lb.
92 CX 120. NET 88c

TACO UHF TRANSLATOR ANTENNA



3088T Stacked



3088T

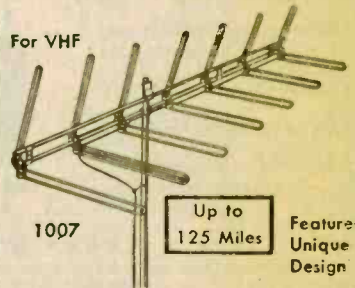
- Easy-to-Install; Preassembled
- Uses Solid Rod Phasing Lines

★MODEL 3088T—40 Miles. Horizontally stacked, eight-bay bow-tie designed for ETV and translator frequencies. Large reflector screen increases capture area and front to back ratio for peak performance. Reinforced screen edge and rigid element positioning for high stability. Provides 18.5 db gain on translator channels 70 to 83. With stacking line, hardware, instructions; less mast and twin line. 7 lbs.
92 CZ 207. NET 11.73

★MODEL 3088T STACKED—60 Miles. Two Model 3088T eight-bay UHF translator antennas, described above, but stacked vertically for an additional 3 to 5-db increase in signal pick-up. Total gain is from 21.5 to 23.5 db. Shpg. wt., 14 lbs.
92 CZ 216. NET 24.40

RMS TV ANTENNA

For VHF



1007

Up to 125 Miles

Features Unique Design

★★★★MODEL 1007. This "Wavebooster" VHF antenna utilizes 7 folded dipole elements for increased signal gain and greater mechanical stability. Provides excellent color and black and white reception on all channels from 2 to 13. Elements are designed for decreasing impedance from feed point to front end—each element receives an equal amount of current for maximum total gain. High front-to-back ratio and close line impedance match provide sharp, clear pictures—very effective in minimizing ghosts and interference.

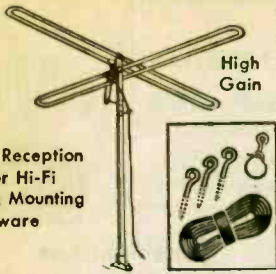
Has "snap-lock" design for quick, easy installation. Unique, "quadro-grip" U-bolt assembly secures antenna to mast 4 times—prevents turning and slipping. Less mast and 300-ohm line. Shpg. wt., 16 lbs.
92 CZ 197. List. \$14.30. NET 26.05

★★MODEL 1005—85 Miles. Similar to 1007 above, but 5 dipole elements. 12 lbs.
92 CZ 198. List. \$31.40. NET 18.46

Knight, Finney and Amphenol FM Antennas

KNIGHT FM ANTENNA KITS

Uniform Gain
From All Directions



- Superb Reception
- Ideal for Hi-Fi
- Includes Mounting Hardware

ALL-DIRECTIONAL KNIGHT FM KIT

A top-quality FM antenna kit at a money-saving price. Two folded dipoles mounted at right angles to each other provide uniform gain from all directions. Eliminates need for rotator. Excellent response across the entire FM band. Elements constructed of heavy walled, extruded aluminum for maximum weather resistance.

Complete kit includes: rugged 5-ft. mast; 50 feet of 300-ohm twin line; sturdy, universal mounting base; 1 mast stand-off insulator; and other necessary hardware—at one low price. Instructions included for easy assembly. Shpg. wt., 7½ lbs.
92 CU 583..... ONLY 6.17
92 CU 590. Antenna Only. As above, but less accessories. Shpg. wt., 3 lbs. ONLY 4.35

KNIGHT FM STEREO "S" ANTENNA KIT

- Mounts Outdoors or Indoors

Improves FM Reception
Gold-corodized, corrosion resistant antenna provides excellent reception up to 25 miles from stations—regardless of direction. Easily installed in minutes; mounts on any existing TV mast.

Compactness makes it perfect for attic or closet installations. Kit includes: 50-ft. of 300 ohm lead-in; 4 screw-eye standoff insulators; mast standoff; directions. Shpg. wt., 3½ lbs.
92 CX 015..... ONLY 3.25
92 CX 020. Antenna Only. As above, but less accessories. Shpg. wt. 3 lbs. ONLY 2.10

AMPHENOL 114-010 FM ANTENNA KIT

Dipole Design



Provides gain equal to that of an efficient folded dipole across the entire FM band, 88 to 108 mc. Widely used where stations are received from many different directions. Elements are of ½" O.D. aluminum tubing to resist weathering and corrosion. Antenna is ruggedly constructed to withstand high winds and icing. Employs 2 folded dipoles mounted at right angles to achieve an essentially circular pickup pattern. Quarter wave phasing stub precisely matches both elements to 300-ohm twin line. Includes convenient, universal, swivel-type mounting base bracket for simplified mounting of antenna on flat or sloping roofs; 75 feet of 300-ohm twin line; all hardware, and sturdy 5-ft. x ¾" O.D. mast. Wt., 7 lbs.

Receives FM Stations From All Directions

92 CU 292. List, \$18.25.....NET 10.95

FINNEY FM ANTENNAS

MODEL FM-5 ANTENNA

- 10 Elements Provide Maximum Gain Over Entire FM Band
- Gold-Corodized Non-Corrosive Finish

Superb 10-element FM antenna for peak reception in remote and weak signal areas. Features twin driven elements and precisely-spaced directors for exceptionally high gain across the entire FM band from 88 to 108 mc. Assures best possible reception of both monophonic and multiplexed FM signals. Gold-corodized finish on all aluminum parts resists weathering and assures retention of original characteristics. Heavy-duty, square boom with suspension-type bracing provides rigid support. Boom length, 10 feet. All elements are sleeve reinforced. Elements lock into open position in "snap-lock" brackets. Self-aligning brackets and double wall reinforced aluminum elements—pre-assembled for fast, easy installation. Less mast and 300-ohm twin lead. Shpg. wt., 8½ lbs.
91 CZ 329. List, \$36.35.....NET 21.37

MODEL FM-4 ANTENNA

- 6-Element Yagi Design—High Front-to-Back Ratio

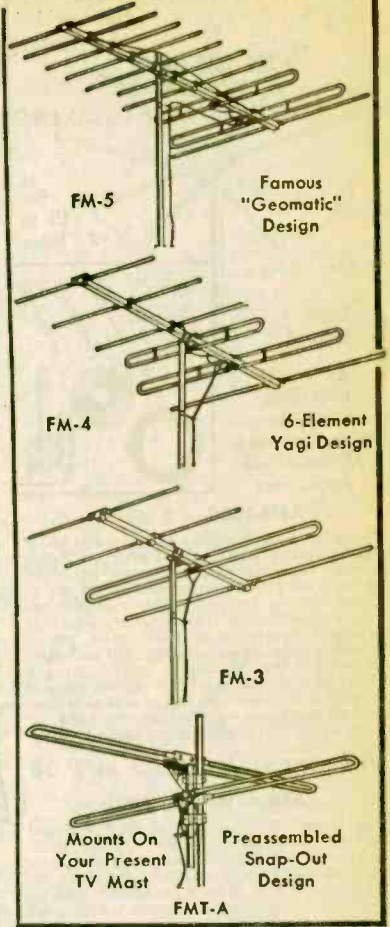
Ideal for FM Multiplex Reception
Deluxe 6-element FM antenna. Twin driven elements with impedance control "T" match stubs, offer high gain across entire FM band, 88 to 108 mc. Just the thing for excellent monophonic and stereophonic multiplexed FM signal reception! "Geomatic" design provides outstanding front-to-back ratio. Sturdy, heavy-duty square aluminum boom, 7', 9' long. Double wall reinforced all aluminum elements guarantee long-life and like-new performance. "Lock-Tite-No-Tilt" saddle mounting and "box girder" snap out self-aligning brackets are completely preassembled—ready for quick installation. Less mast and 300-ohm twin lead. Shpg. wt., 6½ lbs.
92 CZ 280. List, \$24.90.....NET 14.64

MODEL FM-3 ANTENNA

- 4-Element Yagi for Excellent Gain
- Corrosion-Resistant Aluminum

An extremely effective broad band fringe-area FM antenna at a very moderate cost. Features a highly directive 4-element yagi design for outstanding gain on the FM band, 88 to 108 mc. Greatly improves the main FM signal as well as the sub-carrier signal of stereo FM multiplexed broadcasts. All-aluminum construction with square boom, 5', 10' in length. Folded dipole driven element for closer impedance matching and maximum energy transfer. Double wall reinforced elements have snap-out brackets. Elements lock in open position—preassembled for surprisingly easy installation. Less mast and 300-ohm twin lead. Shpg. wt., 5 lbs.
92 CU 281. List, \$13.00.....NET 7.64

FMS STACKING KIT. For stacking two FM-3, FM-4 or FM-5 antennas described above, for extra gain. Shpg. wt., 1 lb.
92 CX 597. List, \$3.35.....NET 1.97



MODEL FMT-A FM ANTENNA KIT

- Greatly Improves FM Reception
 - Has All-Directional Pickup Pattern
- Features a ruggedly constructed, pre-assembled turnstile-type antenna that requires no rotation. Supplied with special bracket for simple installation on your present TV mast—there's no need for an additional mast. The two antenna elements are accurately matched with a special quarter-wave phasing stub for optimum gain and all-direction radiation pick-up pattern. Provides strong reception over the entire FM band. Kit includes: FM antenna, 50-ft. twin line, two mast insulators, 3 screw-in insulators, mounting bracket. Shpg. wt., 6 lbs.
91 CX 330. List, \$14.50.....NET 8.53

SAVE ON FAMOUS-NAME FEATURE VALUE FM ANTENNA

- Increases Gain of FM Signal—Even Multiplex
- Distortion-Free Reception Up to 50 Miles

Folded dipole with reflector design provides excellent response across entire FM band, 110° pickup pattern lets you aim antenna for best reception from weakest station. Sturdily constructed of ½" dowelled aluminum tubing—gold anodized for maximum weather resistance. Preassembled for easy installation, the elements fold out and snap into place. Less mast, twin line. Shpg. wt., 4 lbs.
92 CU 063. Save \$4.45..... ONLY 3.75

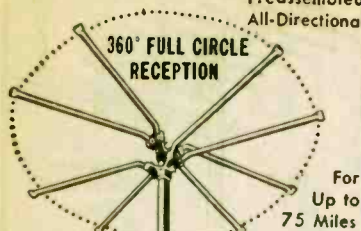


Only \$375
Reg. \$8.20

Popular TV and FM Antennas

JFD FM ANTENNA KITS

Preassembled
All-Directional

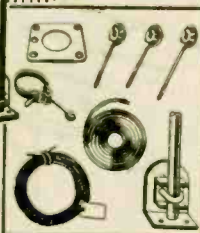


For
Up to
75 Miles

AFM-100G

Gold
Alodized

EACH KIT INCLUDES:
5-Foot Mast,
Wire, Hardware,
All Installation
Accessories



AFM-100G—75 MILES

A sensitive, all-direction FM antenna kit—at an exceptionally low price. "Stereo Cone" turnstile design insures optimum signal strength from stations in all directions—greatly improves FM multiplex reception. Gold alodized aluminum weather-resistant construction. Completely preassembled for easy installation. Kit includes: antenna, 5-foot aluminum mast, steel guy ring and wire, universal base mount for wall or roof, 4 standoffs, 50 feet of 300-ohm line, and all hardware—everything you need for a professional quality installation! Shpg. wt., 5½ lbs.

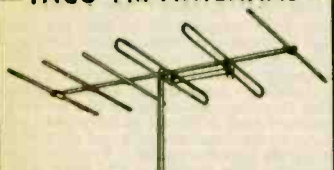
91 CX 987. List, \$15.95. NET 9.38

AFM-175G—75 MILES

As above, but for mounting all-directional antenna on existing TV antenna mast. With gold alodized turnstile antenna and supporting mast, 2 sets of U bolts, brackets, 50' of 300-ohm twin line, 4 stand-offs, and all necessary mounting hardware for surprisingly simple installation, 4 lbs.

91 CX 219. List, \$13.95. NET 8.20

TACO FM ANTENNAS



644B 6-ELEMENT FM ANTENNA

Single-bay, 6-element yagi for top FM performance in weak signal areas. Unidirectional design. High F/B ratio. Up to 9 db gain. Completely assembled. Elements swing out—lock in place. Less mast, 300-ohm twin line. Shpg. wt., 7 lbs.

92 CZ 546. List, \$21.20. NET 12.72

610 10-ELEMENT FM ANTENNA

Single-bay, 10-element yagi for long-distance FM reception. 8 to 10 db gain. Sharp directivity—extremely high F/B ratio. Simplified installation. Arms swing out—lock in place. Less mast, 300-ohm twin line. Shpg. wt., 10½ lbs.

92 CZ 547. List, \$30.70. NET 18.42

646 STACKING KIT. Phasing line, insulators, hardware for stacking two 644B or 610 antennas. 1 lb.

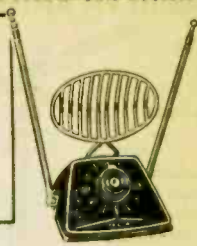
92 CX 548. List, \$2.80. NET 1.68



"Picture Boost"
Matching Circuit For
Extra-High Sensitivity

RCA
TV
ANTENNAS

- 12-Position Switch
- 4-Section Arms
- Increased Gain
- Beautiful Finishes



STARLINER ANTENNA

Features a patented internal circuit for increased gain, and provides excellent reception in metropolitan areas. Switch assures sharp, clear pictures on all channels from 2 to 13—eliminates annoying interference. Four-section, all-brass telescoping arms extend to 102". With 6-ft. of twin line. 14x4x3¼". Wt. 2½ lbs.

92 CX 419. Mahogany.

92 CX 423. Walnut.

92 CX 430. Ivory.

List Each, \$9.95. NET EACH 6.95

SENTRY ANTENNA

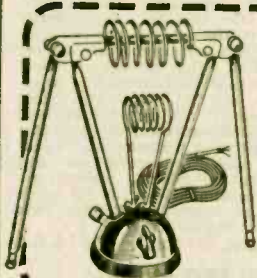
Use the top-performance "Sentry" radar-coil indoor antenna for superior sound and picture quality. Designed for UHF and VHF, black and white or color; styled to complement any decor. Telescoping arms extend to 46". Selector switch permits adjustment for optimum reception, 6-ft. line, with soldered lugs. 2½ lbs.

92 CX 436. Mahogany.

92 CX 437. Walnut.

92 CX 438. Ivory.

List Each, \$6.95. NET EACH 4.85



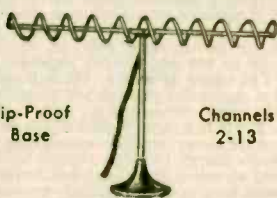
K-G DELTA-BEAM UHF-VHF ANTENNA

- 6-Position Switch
- Compact Design
- Tip-Proof Base
- Easy-to-Install

An efficient all-channel indoor antenna providing excellent reception on all VHF channels 2 through 13 and UHF channels 14-83. Six-position switch matches line impedance, tuning antenna to match receiver input. Also has highly effective "ghost" chasing switch. Dipoles are easily adjusted to the length and angle providing reception for the best picture. Has tip-proof brown bakelite base. Size 9" high; each arm extends to 15". Supplied with 6 feet of twin line. Shpg. wt., 2½ lbs.

92 C 013. NET 5.85

TRICRAFT VHF ANTENNA KIT



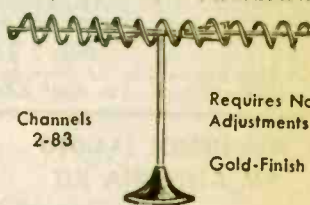
Tip-Proof
Base

Channels
2-13

Highly efficient VHF indoor antenna for bringing in sharp, clear pictures in metropolitan areas. Carefully engineered helix coil, mounted on sturdy, mahogany plastic base. For channels 2-13. Minimizes "snow," "ghosts," and interference. Requires no adjustment. Tip-proof base. Height, 14"; width, 32". Easy to assemble. With 6-ft. of twin lead. Shpg. wt., 2 lbs.

92 CX 126. NET 4.41

HI-LO UHF-VHF ANTENNAS



Channels
2-83

Requires No
Adjustments

Gold-Finish

MODEL 202. UHF-VHF SPIRAL-TENNA. Popular indoor TV antenna for excellent gain on UHF-VHF bands. Minimizes "ghosts" and interference. Gold finish. Tip-proof base. Height 14"; width 32". With 6-ft. twin line attached. Shpg. wt., 2 lbs.

92 CX 127. NET 5.85

MODEL 101. VHF. As above, but VHF only.

92 CX 118. NET 5.24

KNIGHT VHF ANTENNA



Popular indoor antenna for FM and TV channels 2 to 13. Efficient, time-proven "rabbit ears" design—adjust easily for clear picture with a minimum of "ghosts" and interference. Uses sturdy, 3-section, brass-plated telescoping elements for convenient adjustment to desired length. Tip-proof porcelain base is felt padded. With 3-ft., twin line. Shpg. wt., 2 lbs.

92 CX 025. ONLY 1.24

FM TWINLINE ANTENNA



Ideal for use
where outdoor
installation is
not practical

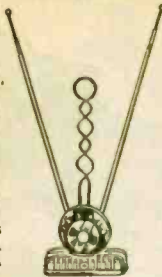
Unusually low-cost, folded dipole type antenna designed for FM reception. Ideal as concealed indoor antenna where outdoor antenna installation is not feasible. Simply place under rug, behind hi-fi equipment cabinet—in any out-of-the-way location. Consists of 300-ohm twin line with 6-feet of lead-in wire. Shpg. wt., 6 oz.

92 C 019. NET .99

JFD INDOOR ANTENNAS

TA-147 VHF-UHF ANTENNA

Features smart styling and outstanding performance. Has high signal gain; minimizes interference and ghosts. 6-position switch, and 4-section brass dipoles permit adjustment for clearest picture. Elements extend to 38". Weighted base with felt pad. With twin line and terminals. Wt., 2 lbs. 92 CX 124.....NET 2.70

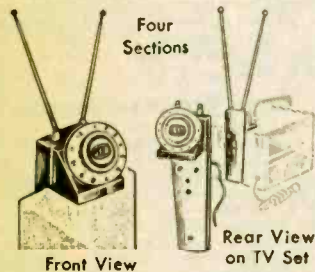


TA-149 UHF ANTENNA

Twin-bowtie dipoles and screen reflector provide excellent reception on channels 14 to 83. Gold alodized. Tip-proof base. Includes 300-ohm twin lead, tipped with spade lugs. H.V.D. 12x12x6". Shpg. wt., 2 lbs. 92 CX 598.....NET 3.43



"MERLIN" VHF-UHF ANTENNAS



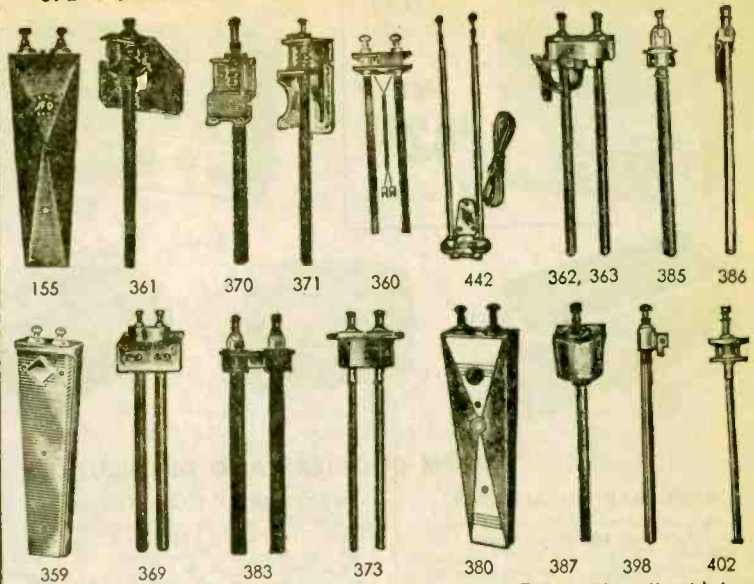
Efficient indoor antenna that provides excellent TV reception. Mounts with only 12 position selector switch and elements in view. 4-section elements have 360° swivel bases to permit positioning for best reception. Elements extend to 38"; telescope conveniently out of sight. Lustrous plastic construction blends well with styling of any TV set. Attaches easily to back of set with screws supplied. Includes 300-ohm twin line with spade lugs. Shpg. wt., 1½ lbs. 92 C 572. Model L20. Mahogany. 92 C 573. Model L10. Ivory. NET EACH.....5.30

G-C TELCO VHF ANTENNA

Compact, plastic-cased "hide-a-way" antenna. For excellent all-channel metropolitan-area reception. Telescoping elements of durable, nickel-plated brass tubing, mounted on ball-joint swivels; rotate 360°. 5-section elements extend to 37"; retract out of sight when not in use. With spade-lug-tipped 300-ohm twin line. Shpg. wt., 1 lb. 92 C 029.....NET 1.71



JFD PORTABLE TV EXACT-REPLACEMENT ANTENNAS



Allied can supply replacement antennas for most portable TV sets. If not listed below, let us know the Make and Model Number of your set. Av. shpg. wt., ¼ lb.

ADMIRAL			
Stock No.	JFD Type	Orig. Mfg. Part No.	NET EACH
91 C 374	TA155	For all Admiral 1956-57 sets	2.54
91 C 166	TA361	69C220-1 and 69C220-5	3.18
91 C 167	TA370	69C238-1	3.67
91 C 168	TA371	69C234-1	3.67
EMERSON			
91 C 376	TA360	471090	4.50
91 C 377	TA442	471003; 471069; 471076; 471146	2.16
GENERAL ELECTRIC			
91 C 377	TA442	For 1956-57 sets sold less antennas	2.16
91 C 376	TA360	P1251438-1	4.50
91 C 169	TA362	P1251590-2	5.73
91 C 182	TA363	P1251590-1	5.73
91 C 200	TA387	WT83X16-19-28-29	4.50
PHILCO			
91 C 170	TA385	76-10734-3; 76-10734-5	3.67
91 C 174	TA386	76-11538-1	3.18

MAGNAVOX			
Stock No.	JFD Type	Orig. Mfg. Part No.	NET EACH
91 C 375	TA359	1957-58, 17" sets 1959 17" and 21" sets	2.65
MOTOROLA			
91 C 375	TA359	1V746989 and TK76	2.65
RCA			
91 C 375	TA359	973447	2.65
91 C 175	TA369	962344-1 thru 10	4.85
91 C 202	TA398	109-139	2.86
SILVERTONE-SEARS			
91 C 375	TA359	82-116-0	2.65
91 C 376	TA360	82-127-0	4.50
91 C 176	TA383	82-137-0; 82-139-0; 82-164-0	5.31
WESTINGHOUSE			
91 C 374	TA155	1956 and 1957 sets	2.54
ZENITH			
91 C 180	TA373	S46769	4.85
91 C 181	TA380	S43260 and S43280	3.67
91 C 203	TA402	S50123	4.09



NEW RCA "BRITE SITE" TV AND FM ANTENNA



- Covers Entire VHF-TV and FM Bands
- Can Be Completely Concealed
- Printed Circuit for Simple Installation

Economical TV-FM indoor antenna that produces excellent results when used in locations up to thirty miles from station. Actually a full-size conical antenna projected on a flat surface 52x12" in size. Extremely convenient where use of an outdoor antenna is impractical. Designed for use in attics, on garage or utility room ceilings, beneath rugs, on walls, under sofas, etc. Antenna elements are deposits of finely powdered pure silver in plastic binder, imprinted on a tough, flexible, fibrous sheet. Recommended for use at the highest practical level within the home (away from metallic plumbing and heating systems). Very simple to install—just set it in position that provides best reception—tack it and forget it. Since it is not exposed to the weather, it will last for years. Gain characteristics are similar to those of standard outdoor conical antennas. Supplied complete with 10 feet of 300-ohm twin line—ready to use. Shpg. wt., 1¼ lbs. 92 CX 418. List, \$3.95.....NET 2.45

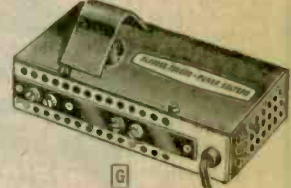
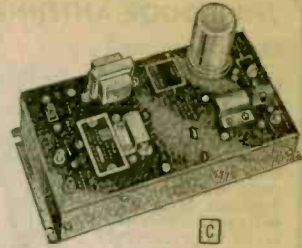
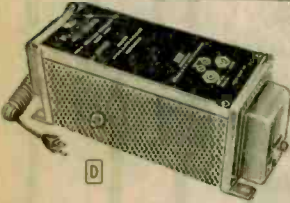
Blonder-Tongue TV-FM Amplifiers, Distribution Systems



VHF TV-FM
High-Gain
Amplifier

NET
\$42.58

\$5 monthly



TV-FM BOOSTERS AND DISTRIBUTION SYSTEMS

MODEL HAB VHF AMPLIFIER

- 25-db Gain Channels 2-13 and FM Band
- Use in the Home, Apartments, Hotels

A Efficient, high-gain VHF television and FM amplifier. Provides more than 25 db gain on all channels from 2 to 13, and on the FM band. Ideal as a preamplifier for home or small master TV antenna systems. Permits brighter, sharper pictures and increases number of TV stations set can pick up. Uses one 6DJ8 and two 6EJ7 tubes to provide highest possible signal-to-noise ratio with maximum reliability and long life. Features stripless 300-ohm terminals and 75-ohm solderless coax connectors for input and output—can use 300-ohm twin line or 72-ohm coaxial cable. In compact, sturdy, ventilated metal cabinet. 6x5½x4¼". For 110-120 v., 60 cycle AC. Shpg. wt., 4½ lbs. 93 C 078. List, \$72.75. . . . NET 42.58

MLA-B VHF TV SIGNAL AMPLIFIER

B The "Masterline" VHF TV signal amplifier. Provides an effective signal boost of not less than 40 db. Assures maximum output of 2 volts rms on each band—flat within .75 db. May be installed in coax line going to single TV set, or used with antenna distribution system in installations feeding 100 or more TV sets from a single antenna. Units may be cascaded when extremely long transmission lines are used. Offers maximum fidelity for color TV as well as black-and-white sets. Gain is adjustable on high and low bands. Response flat within ±.5 db over any 6 mc channel. Cascade circuits assure minimum noise level. 75 ohm coax input and output connectors. 7 tubes. 9x6x5" deep. Perforated gray metal cabinet. For 110-120 volts, 60 cycle AC. Shpg. wt., 9 lbs. 92 C 090. List, \$142.50. . . . NET 83.79

BT-3 VHF TV-FM AMPLIFIER

C All-transistor VHF TV-FM amplifier. Broadband circuit design for use with color as well as black-and-white TV. High-gain, low-noise amplification makes it ideal as preamp in large master systems, or as amplifier in smaller systems. Two inputs permit separate high and low band antennas; also has combined high and low band inputs. Has monitor jack for system checking without interrupting service. Solderless 75-ohm coax connectors. 15-18 db low-band gain; 19 db on high band. Output: 0.7 v. with 1% cross modulation (total of both bands). 4x9x4¼". For 110-120 v., 60 cycle AC; also has input socket for 22 volt battery supply. Shpg. wt., 2¾ lbs. 93 C 358. List, \$79.95. . . . NET 48.93

"PACEMAKER" TV-FM AMPLIFIER

D Superior-quality broadband amplifier for use with TV and FM sets—brings very weak signals up to full reception level. Minimum gain is a full 35 db for all TV channels 2 through 13, and 30 db on the FM band. Has separate antenna inputs for high TV band, FM, and low TV band; jumper is provided to permit combined high-low-FM input for use with all-band antennas. Tubes and components are conservatively operated for long, trouble-free use. Noise is better than 6 db down for low-band and FM; 7 db down for the high band. Output to TV set is 2 volts (total of all carriers) on low band and FM; 2 volts on high band. Amplifier is well ventilated, completely covered and tamper-proof. Coaxial input and output connections. Size, 4¾x12x4". For operation from 115-120 volts, 60 cycle AC. Shpg. wt., 5 lbs. 91 C 255. List, \$102.10. . . . NET 63.45

DA8-B VHF DISTRIBUTION SYSTEM

E A versatile, combination booster and isolation-distribution system for use with up to 8 TV sets. Features exclusive low-noise all-triode circuitry. Ideal for use in small apartment buildings, hotels, motels, etc. Permits operating up to 8 TV sets from a single antenna. 22 db minimum isolation between outputs. Provides 10 db gain to each TV set to assure full-strength signals. System overload is prevented through a 10-1 gain control range. Has inputs for 75- or 300-ohm line. Eight outputs accommodate 75- or 300-ohm line; one of these outputs may be used to feed another DA8-B to permit hook-up of additional TV sets. Unit includes power supply, terminating resistors and grounding clamp. Screw terminals permit fast installation. 5x9x5½". For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs. 91 C 248. List, \$99.50. . . . NET 58.80

NEW IT-4 TV-FM BOOSTER-COUPLER

F New, improved transistorized TV-FM booster for the home. Delivers amplified (3 to 6 times stronger), noise-free signals to up to 4 TV and/or FM sets on the same antenna. All-transistor circuitry provides low power drain, minimum maintenance. Isolated outputs prevent interaction of sets, provides true 300-ohm impedance to each set. Input impedance is matched to antenna impedance—no separate balun needed. Noise figure: minimum of 4 db. Easy to install, stripless terminals make solid electrical connection with the turn of a screw. Needs no adjustment. Size, 1½x6¼x3¼". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 1 lb. 91 C 261. List, \$33.00. . . . NET 19.40

B24-C TV-FM BOOSTER-COUPLER

G Highly efficient booster-coupler. Permits using a single TV antenna with up to 4 TV or FM sets. Provides excellent isolation between sets for minimum interaction. Boosts signal strength of VHF stations up to 10 db when using just one set, up to 5 db with two sets; gives unity gain with four. Wide response assures excellent color TV and FM performance. Low-noise broadband circuit requires no tuning. Quickly, easily installed—simply attach to antenna terminals. Compact chassis may be installed at rear of one of sets. 300-ohm input and output. 3¼x6¼x2½". For 110-120 v., 60 cycle AC. Wt., 1½ lbs. 92 C 342. List, \$24.95. . . . NET 15.63

MODEL BTA TV-FM BOOSTER

G A budget-priced TV-FM booster designed to deliver sharper, clearer TV pictures and improve FM reception. This extremely compact unit boosts TV signals 7 to 9 db when used with a single set. Gain on FM band, 4 to 8 db. A 2 or 4-set coupler is required when used with more than one set. Has on-off switch, simple stripless screw-driver connections for quick hookup. Input and output impedance, 300 ohms. Uses single 6FY5/6FQ5 tube. Size, 2½x6¼x3¼". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs. 93 C 356. List, \$15.70. . . . NET 10.73

TV CABLE TAPOFF CONNECTORS



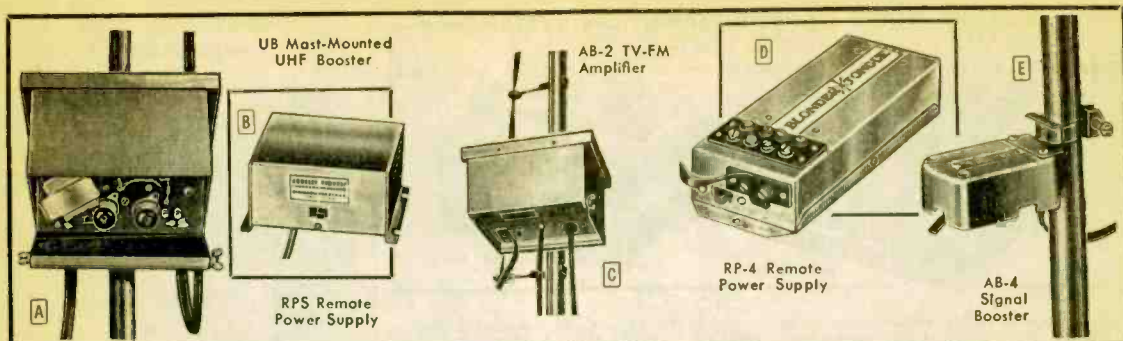
MODEL MT-11 TV CABLE TAPOFF. Weather-proof, spliceless tap for use with RG-11/U cable. 12, 17 or 23 db isolation. Installation tool. 75-ohm coax output. 6 oz. 93 C 112. List, \$5.60. . . . NET 3.28

MODEL MIT-4 COAXIAL TAPOFF. Offers four 75-ohm coax outputs from 75-ohm thru line. Provides 17 db isolation. Thru loss 0.35 db per output used. 4½x3¾x2½". Wt., 1½ lbs. 91 C 263. List, \$28.00. . . . NET 17.15

MODEL P-59S MALE CONNECTOR. For use with "Masterline" Model MLA-B signal amplifier. Fits RG-59/U cable. 3 oz. 91 C 074. List, \$1.70. . . . NET EACH .98

MODEL P-115 CONNECTOR. As above, but for RG-11/U coax cable. 91 C 075. List, \$1.70. . . . NET EACH .98

Blonder-Tongue TV-FM Boosters, Converters, Accessories



MAST-MOUNTED TV-FM BOOSTER-AMPLIFIERS

NEW MODEL UB UHF BOOSTER

• 14-db Gain, Channels 70 Through 83
 • Uses Two UHF Frame-Grid Tubes Long Life
 Unique antenna-mounted broadband UHF TV booster. Especially designed for use in translator and MPATI (Midwest Program on Airborne Television Instruction) areas to improve reception of Channels 70 through 83. Provides at least 14-db gain.

Consists of two individual units—the UB Broadband Amplifier and the RPS Remote Power Supply. UB amplifier is mounted at the TV antenna to eliminate line noise. Utilizes two UHF frame-grid tubes for high gain, low noise and long life.

RPS remote power supply delivers 24 volts DC to the amplifier through the transmission line. Automatic-shutoff feature may be used with any set drawing between 135 and 500 watts. Has 300-ohm input and output impedance. "No-strip" terminals. Size: amp., $4\frac{3}{8} \times 7\frac{5}{16} \times 1\frac{1}{8}$ " ; supply, $2\frac{3}{8} \times 5 \times 4$ ". For 110-120 v., 60 cycle AC. $5\frac{1}{2}$ lbs.
 91 C 264. List, \$88.00. NET 58.31

UB "STRATO-BOOSTER." As above, but provides 20-db gain on UHF Channels 72 through 76 only. Wt., $5\frac{1}{2}$ lbs.
 91 C 265. List, \$103.75. NET 61.00

MODEL AB-2 VHF BOOSTER

Antenna mounting booster amplifies all VHF stations (channels 2-13) up to 12 db. Weatherproof amplifier may be located up to 500 feet from remote control at TV receiver. Installation at antenna permits amplification of signal with no increase in line noise picked up on lead in. Power is delivered to booster by 300-ohm twin line—no separate line required. 6DJ8 provides highest possible signal-to-noise ratio with maximum reliability. Operation is automatic—booster turns on and off at remote control. 300-ohm input and output. Easy to install. Amplifier, $6\frac{7}{8} \times 3\frac{3}{8} \times 4\frac{1}{2}$ ". Remote control, $5 \times 2\frac{1}{8} \times 3\frac{3}{8}$ ". For 110-120 volts, 50-60 cycle AC. Shpg. wt., 7 lbs.
 92 C 545. List, \$53.95. NET 31.75

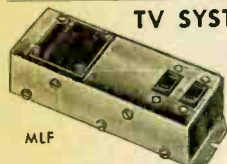
AB-3 DELUXE TV-FM AMPLIFIER

Provides 25 db gain on VHF TV and FM bands. Designed to let you locate amplifier a full mile from power supply (when open lead is used). 300-ohm input, 300 and 75-ohm outputs. Automatic on-off control. Lead-in supplies power to amplifier. Amp., $7\frac{3}{4} \times 5\frac{3}{8} \times 5\frac{1}{4}$ "; power supply, $6\frac{1}{4} \times 3\frac{3}{4} \times 4\frac{1}{4}$ ". For 110-120 VAC. 7 lbs.
 93 C 359. List, \$104.95. NET 63.21

AB-4 TRANSISTORIZED BOOSTER

Choice of Battery or AC Operation
 Reliable High Gain, Low Noise Circuit
 All-transistor VHF TV-FM booster-coupler. Provides brilliant reception. Amplifies antenna signal up to 5 times. Features high signal-to-noise ratio for best snow reception. Extremely light, compact design—mast need be no stronger than required to support antenna alone. Maintenance is virtually eliminated—no tubes to burn out. Remote power supply (Fig. D) runs on 4 low-cost flashlight cells; also serves as 4-set coupler—provides isolation and 300-ohm match for up to 4 TV or FM sets. Average gain: channel 2, 17 db; channel 6, 15 db; channels 7-13, 8.5 db; FM, 12 db. "No-strip" terminals. Lead-in supplies DC to amplifier, no external wiring needed. Amplifier, $1\frac{3}{4} \times 2\frac{1}{4} \times 3$ "; supply, $1\frac{7}{8} \times 3 \times 7\frac{1}{4}$ ". Less batteries. below. Wt., $1\frac{1}{2}$ lbs.
 91 C 148. List, \$29.95. NET 18.62
 55 J 005. $1\frac{1}{2}$ -Volt Battery. For above. Takes 4. Wt., 5 oz. NET EACH .14
 MODEL AB4-AC BOOSTER. Same as AB-4 but power supply operates from 110-120 v., 60 cycle AC. Shpg. wt., $1\frac{1}{2}$ lbs.
 91 C 266. List, \$34.95. NET 21.27

TV SYSTEM ACCESSORIES



MODEL MLF AC LINE FILTER. 60-db RF line to amp isolation. 2 AC receptacles. Surface mtg. $5\frac{1}{2} \times 2 \times 1\frac{1}{2}$ ". Wt., $\frac{1}{2}$ lb.
 91 C 267. List, \$20.25. NET 12.20

MODEL TF-731B FEED THRU OUTLET. Flush-mtg. plate. Single 300-ohm output from 75-ohm thru line. 17 db isolation. 0.7-db thru loss. Size, $4\frac{1}{2} \times 2\frac{3}{4} \times 1$ ". Shpg. wt., $\frac{1}{4}$ lb.
 91 C 268. List, \$3.00. NET 1.76

MODEL TF-731 Outlet. As above, but surface mounting. Size, $2\frac{1}{4} \times 2\frac{3}{4} \times 1\frac{1}{8}$ ". Wt., $\frac{1}{4}$ lb. List, \$3.25. NET 1.91

MODEL TF-771B FEED THRU OUTLET. Flush-mounted box. Single 75-ohm output from 75-ohm thru line. Same specs and size as TF-731 B.
 91 C 270. List, \$3.60. NET 2.11

MODEL MB MATCHING TRANSFORMER. Weatherproof VHF and FM balun for installation on antenna mast or boom. Changes balanced 300-ohm impedance to 75-ohms for use with unbalanced coaxial transmission lines. $3\frac{1}{4} \times 2\frac{1}{8} \times 3$ ". Wt., $\frac{1}{2}$ lb.
 91 C 271. List, \$10.00. NET 5.88

MODEL TM MATCHING TRANSFORMER. Indoor. Matches 72-ohm lines to 300-ohm input. Motorola-type jack input. Surface mtg. $2\frac{1}{2} \times 1\frac{1}{2} \times 1$ ". Wt., $\frac{1}{4}$ lb. List, \$3.50.
 91 C 272. NET 2.06

UHF TV CONVERTERS



Provides Amplification and Tunes All UHF Channels
 UHF Conversion on VHF Sets • Easy to Install and Operate
 High-gain, low-noise UHF converter. Easily installed, adds all UHF stations to Channel 5 or 6 of any TV set. High signal-to-noise ratio for best reception, even in weak-signal locations. Shielded 3-gang tuner, 2-speed channel selector. Exact 300-ohm input and output plus efficient triode amplifier give maximum gain. Compensated oscillator minimizes drift. Instant changeover from UHF to VHF. Uses 6ER5, 6AF4 tubes, silicon diode and rectifier. "No-strip" VHF, UHF terminals. Attractive plastic cabinet. Size, $4\frac{1}{4} \times 6\frac{1}{4} \times 4\frac{1}{4}$ ". U.L. Approved. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.
 91 C 247. List, \$39.95. NET 27.44

MODEL 99R UHF CONVERTER

Compact, low-noise converter for metropolitan area use. Sharp, one-knob all-channel tuning rejects spurious signals. Compensated oscillator prevents drift. Precise, 300-ohm impedance match assures maximum signal conversion. Channel 5 or 6 IF output to TV set. In "Off" position, VHF signals pass directly to TV set. Uses 6AF4A oscillator, diode mixer, selenium rectifier. Mahogany plastic cabinet. U.L. Approved. $4\frac{1}{4} \times 6\frac{1}{4} \times 4\frac{1}{4}$ ". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
 91 C 252. List, \$23.95. NET 16.41

Jerrold TV-FM Distribution Systems, Preamps, Traps

300-OHM HOME TV-FM DISTRIBUTION SYSTEMS

Improve Signal Quality



HSA-44

Operate 4 Sets From A Single Antenna



Excellent For Fringe Areas

FMX

You can play up to 4 sets simultaneously in your home—on a single antenna—using a combination of the easy-to-install components listed below. You'll appreciate the improve-

ment in the TV and FM signals you receive, and you'll enjoy the simplicity of installation. Use the illustration below as a guide to selecting your own home distribution system.

NEW HSA-44 AMPLIFIED COUPLER

Allows use of up to 4 TV or FM receivers or combination of both on a single antenna. Provides effective isolation for best performance. Gives minimum of 1/2-db gain at each output for all channels. Uses single 6DJ8 frame-grid tube for low noise, long life, stable performance. Input and output impedances: 300 ohms. Serrated washer "no-strip" terminals permit fast, easy installation. Has on-off switch. In attractive 2-tone, light-alloy housing, size 4 1/2 x 4 1/2 x 3". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 3 1/4 lbs.
91 C 278, List, \$29.95. NET.....18.95

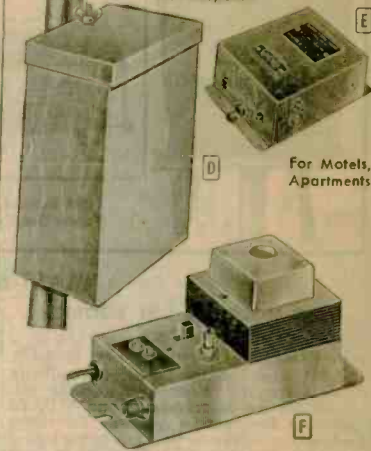
FMX FM RANGE EXTENDER

Low noise, high gain preamplifier for boosting FM signals. Ideal for use wherever reception of fringe-area stereo multiplex or regular FM broadcasts is desired. Minimum of 20 db gain across the entire FM band. Can feed up to four sets with external couplers. Single 6DJ8 frame-grid tube provides stable performance, long life. Noise figure: 5.5 db maximum. Serrated washers allow easy connection to 300-ohm twin lead without stripping. On-off switch. Two-tone, light-alloy case size, 4 1/2 x 4 1/2 x 3". For 110-120 v., 60 cycle AC. 3 1/4 lbs.
93 C 043, List, \$29.95. NET.....18.95

"DE-SNOWER" TV-FM

PREAMPLIFIERS

Low Noise—Flat Response



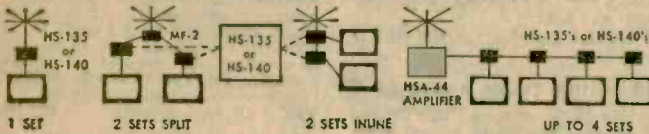
For Motels, Apartments

- Recommended for Use in Fringe Areas
- For Snow on TV or Hiss on FM
- Easily Installed; Hardware Included

D F Model DSA-202. Low-cost, antenna-mounting TV/FM preamplifier for use in fringe areas where snow is encountered on TV and excessive hiss is found on FM. Uses two tubes for 20 db gain on entire TV band; minimum 8 db gain on FM. Noise is kept to a 4.5 db maximum on the low channels; 6 db on high channels. Unit consumes only 25 watts. Weatherproof lidite case has sliding cover permitting easy servicing at any time. Input impedance, 300 ohms. Output impedance, 75 or 300 ohms. Supplied with three cable fittings, mount and clamp, and mounting screws for the power supply. Preamplifier size, 4 x 8 1/2 x 4"; power supply, 3 1/2 x 3 1/2 x 6". For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs.
93 C 022, List, \$89.95. NET.....53.97

D E Model OSA-132. Deluxe antenna-mounting TV preamplifier that boosts color and black and white signals without stepping up snow or amplifying interference. May be used in fringe areas or as a distribution amplifier in homes, hotels, motels, apartment buildings, etc. Covers complete VHF TV band with 25 db gain; can also be used to boost either high band (channel 7 to 13) or low band (channel 2 to 6). Noise only 6 db on low band; 7.5 db on high band. Input impedance is matched to both 75 and 300 ohms. Power supply delivers 24 volts to booster through same line that brings in signal. Has two-position switch that may be set at "set controlled" or "continuous" positions. In "continuous" position, preamplifier is powered at all times; in "set controlled" position power is delivered to preamplifier only when set is turned on. In weatherproof lidite case. Preamplifier size, 5 x 5 x 10 1/2"; power supply, 2 1/2 x 5 1/2 x 1 1/2". Tube complement: 3-6BQ7-A, 1-6C B6, 1-6AK5. With three cable fittings, mtg. screws for power supply, using clamp and strap, for 110-120 volts, 60 cycle AC. Wt. 13 lbs.
92 CX 095, List, \$119.50. NET.....71.70

TYPICAL DISTRIBUTING SYSTEMS



TV COUPLERS

- For 2, 3 or 4 Sets On One Antenna
- No Wire Stripping
- Extremely Low Loss



For use in either fringe or metropolitan area, these low-loss couplers feature AC isolation between AC-DC TV sets and antenna. All have 300-ohm impedance. Sturdy, universal mounting case. Fully conceals and protects all connecting lead-in terminals. Types MF-2 and MF-4 are designed for fringe area reception.

Have highly-efficient, transformer-type impedance matching. Ideal for color TV. Enclosed in weatherproof polystyrene cases. Size, 4 1/2 x 1 1/2 x 1 1/4". Shpg. wt., 6 oz.

Stock No.	Mfrs Type	Description	NET EACH
91 C 149	MF-2	For 2-sets. Ivory.	2.70
91 C 150	MF-4	For 3 or 4-sets. Ivory.	3.45

SYSTEM TAPS AND ACCESSORIES



A HS-135. Surface mounting outlet with twin-line plug. Shpg. wt., 2 oz.
93 C 044, NET.....1.17

B 93 C 091. HS-24. Twin-line plug. Attaches without stripping. 1 oz. NET.....30

C 93 C 092. HS-140. Flush-mounting outlet with plug. Mounts in wall aperture or in standard plastic outlet box. Allows convenient plug-in connection of TV and FM receivers to master antenna system. Shpg. wt., 4 oz. NET.....1.65

93 C 093. HS-36. Strap insulators—to install twin lead indoors. 1 oz. Pkg. of 24.....1.08

MODEL TX ANTENNA MIXING NETWORKS

TX (FM) separates FM from TV; TX (H-L) mixes or separates high and low VHF channels; TX (VHF-UHF) mixes or separates VHF and UHF. 4 1/2 x 1 1/2 x 1 1/4", 4 oz.

93 C 118. TX (FM). NET.....3.57

93 C 119. TX (H-L). NET.....3.57

93 C 120. TX (VHF-UHF). NET.....3.57

TRANSISTOR ANTENNA-MOUNT PREAMP

- Up to 18 db Gain
- Extremely Low Noise
- Use with TV or FM
- Universal Mounting

Model APM-101 "Powermate." Versatile TV or FM booster. Consists of preamplifier that mounts on antenna boom, and remote power supply that mounts on back of TV set. Uses 2N1742 transistor for high gain, low noise. Use with 2 sets; up to 5 sets with MF-4 coupler, above. Impedance, 300 ohms. Preamp, 2 1/2 x 6 1/2 x 3 1/4"; power supply, 4 1/2 x 3 1/2 x 1 1/4". For 110-120 v., 60 cycle AC. Shpg. wt., 1 1/2 lbs.
93 C 553, List, \$39.95. NET.....26.63

"TRAP-EASE" TUNEABLE TV ANTENNA TRAPS



- Eliminate Adjacent Channel Interference
- Improve Reception

Tuneable interference trap provides up to 50 db attenuation of interfering signals. Permits reception of distant stations blocked out by adjacent-channel stations having greater signal strength. Provides excellent results with any TV receiver and antenna that would normally bring in pictures from the distant station if the interfering signal were not present. Does not affect reception of local stations. Attaches quickly to TV set and antenna lead—convenient screw terminals. Easy to adjust; simply turn end cap until interference disappears. 7 1/2 x 3 1/2" dia. 300-ohm input and output impedance. In choice of two models. Wt., 2 lbs.
91 C 253, Model HQ-91, Channels 2-6.
91 C 254, Model HQ-92, Channels 7-13.

NET EACH.....11.97

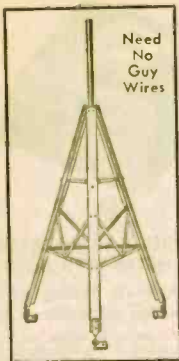
SPAULDING "STRATO-TOWER" TV TOWERS

XCB SERIES, CYLINDER BASE TOWERS

NEW RM SERIES ROOF MOUNT ANTENNA TOWERS

- Easy to Install, Fit Any Roof
- Strong Galvanized Beaded Steel

Easily-installed, self-supporting TV antenna towers. Require no guy wires when securely anchored to roof. Adaptable to any roof—three hinged feet fit any surface, allow tower and antenna to be assembled and "walked-up" into place. Constructed of heavily beaded channel steel to withstand the roughest weather conditions. Packages include either 4-ft. or 8-ft. tower sections with 8-ft. mast and mast kit assembly. Permit antenna heights of 10 ft. or 14 ft. above roof. Towers are knocked down for shipment, assemble easily and quickly. With instructions and clamp for antenna mast.



- No Concrete Foundation Required—Sets into Cylinder Base
- Can Be Assembled on Ground or Built Up Vertically

A High-strength antenna towers featuring special "culvert base" for quick, one-man installation without concrete. Self-supporting—require no additional guying or support of any kind. Utilize all-riveted, 100% galvanized steel construction; special design for easy installation of any rotor in top section. Minimize effects of strong wind, yet are light enough for easy handling and quick installation. Each tower package includes heavy-duty culvert-type base with adjustable hinge feet, 8-ft. mast, listed quantity of 8-ft. sections, all necessary parts and instructions. All sections are factory assembled.

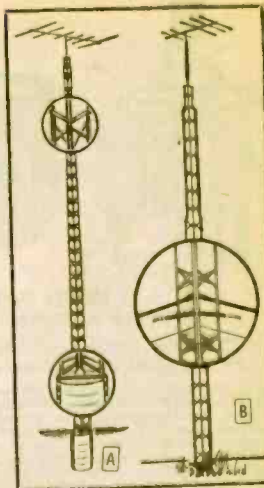
Stock No.	Mfr's Type	Ant. Ht.	Tower Sec.	Wt. Lbs.	NET EA.
92 CZ 294	X28CB	23'	2	89	36.63
92 CZ 295	X36CB	31'	3	120	55.78
92 CZ 058	X44CB	39'	4	155	63.76
92 CZ 059	X52CB	47'	5	200	77.59
91 CZ 832	X60CB	55'	6	272	90.33

EP ECONOMY SERIES TOWERS

- Zinc-Plated Steel Sections for Maximum Strength
- Easy to Install—Mount on Ground or Roof-Top

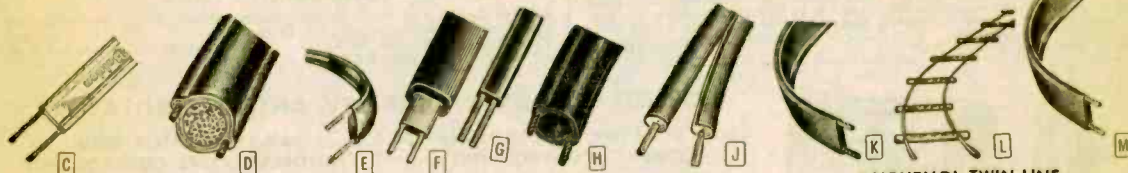
B "Economy Packs" for ground installation with house bracket or guyed roof towers. Each pack has one or more rugged 8-ft. zinc-plated steel tower sections, ground plate, 8-ft. mast, mast kit assembly, drive in base stakes. May extend 16 feet above house bracket without guying; beyond this height, require guying. Less house bracket and roof mtg. base.

Stock No.	Type	Ant. Ht.	Sections	Lbs.	NET
92 CZ 534	EP-5	46'	5	88	43.83
92 CZ 535	EP-4	38'	4	72	36.52
92 CZ 540	EP-3	30'	3	56	29.22
92 CZ 541	EP-2	22'	2	41	23.22
92 CZ 542	EP-1	14'	1	25	15.78
92 CX 543	EP-R1	Roof Base		2	2.88
92 CX 544	EP-H1	House Bracket		5	3.67



Antenna towers are shipped by truck F.O.B. Frankfort, Indiana. No C.O.D. orders accepted—please send full remittance with your order. Also send full shipping address—no Post Office box numbers if possible. Shipping charges will be collected on delivery.

BELDEN, AMPHENOL AND KNIGHT TWIN LINE



BELDEN TWIN LINE

C Type 8228. Flat 300-ohm twin line. Finest quality 7x28 stranded copper conductors. High-quality polyethylene jacket has 58-mil web thickness. Shpg. wt. 100 ft., 1 1/4 lbs. **.71**
 49 T 582. 25' Coll. NET **1.03**
 49 T 385. 50' Coll. NET **1.32**
 49 T 386. 75' Coll. NET **1.62**
 49 T 389. 100' Coll. NET **1.62**
 49 W 384. Over 100', Per 100' **1.62**

C Type 8230. Weldom 300-ohm twin-line. 70-mil web thickness. Conductor of 7x28 stranded copper-coated steel wire. Copper coating provides high conductivity; steel core for high strength. Wt. per 100 ft., 2 lbs. **.76**
 49 T 248. 25' Coll. NET **1.21**
 49 T 387. 50' Coll. NET **1.67**
 49 T 388. 75' Coll. NET **2.09**
 49 T 394. 100' Coll. NET **2.09**
 49 W 383. Over 100', Per 100' **2.09**

D Type 8275. 300-ohm UHF-VHF Cellulose. Recommended for color TV use. Has cellular polyethylene core, inert gas-filled. Brown polyethylene jacket. 7x28 copper-coated steel cond. Wt. per 100 ft., 3 1/2 lbs. **2.35**
 49 T 396. 50' Coll. NET **3.38**
 49 T 397. 75' Coll. NET **4.19**
 49 T 395. 100' Coll. NET **4.19**
 49 W 398. Over 100', Per 100' **4.19**

E Type 8235. 300-ohm, oval twin-line. Very low loss; for UHF-VHF use. Copper-coated, 7x26 steel wire conductors. Extremely tough 185-mil web thickness. 100-ft. minimum. Shpg. wt. per 100 ft., 4 1/2 lbs. **4.70**
 49 T 393. 100' Spool. NET **4.70**
 49 W 399. Over 100', Per 100' **4.70**

F Type 8285. Low-loss 300 ohm UHF-VHF twin leads recommended for color TV. 22-gauge (7x30) copperweld conductors. Polyethylene insulation and webbing. Cellular polyethylene outer jacket. Size, outside diameter, 1/2 x 1/2. Wt. per 100 ft., 3 1/2 lbs. **2.79**
 49 T 583. 50' Coll. NET **4.12**
 49 T 584. 75' Coll. NET **5.29**
 49 T 585. 100' Coll. NET **5.29**
 49 W 586. Over 100', Per 100' **5.29**

BELDEN TRANSMISSION LINE

C Type 8222. 72-Ohm Twin Line. 7x28 stranded copper cond. High-quality brown polyethylene jacket. .075x.128" diam. 100-ft. minimum. Shpg. wt. per 100 ft., 1 1/4 lbs. **1.62**
 49 T 392. 100' Spool. NET **1.62**
 49 W 379. Over 100', Per 100' **1.62**

AMPHENOL TWIN LINE

H Type 214-217. Tubular 300-ohm twin line. Air-core spacing for extremely high efficiency—ideal for UHF or VHF installations. 7x28 copper conductors. 100-ft. minimum. Shpg. wt. per 100 ft., 3 lbs. **3.51**
 49 T 444. 100' Coll. NET **3.51**
 49 W 447. Over 100', Per 100' **3.51**

H Type 214-076. Heavy-duty, extremely durable 300-ohm tubular twin line. May also be used by Amateurs—rated at 1 kw RF. Low-loss air-core spacing for high efficiency and extra durability. 7x26 bare copper conductors of high quality. 100-ft. minimum length. Shpg. wt. 100 ft., 3 1/2 lbs. **6.36**
 49 TX 416. 100' Coll. NET **6.36**
 49 W 409. Over 100', Per 100' **6.36**

J Type 214-103. Marine core 300-ohm twin lead built especially for low loss in high precipitation and coastal areas—in rain, snow or salt spray. Useful also in fringe and industrial areas. 20-gauge (7x28) pure copper conductors, polyfoam cores, polyethylene outer jacket. O.D. 1/2 x 1/2. Wt. per 100 ft., 3 1/2 lbs. **4.20**
 49 T 591. 50' Coll. NET **5.80**
 49 T 592. 75' Coll. NET **7.35**
 49 T 593. 100' Coll. NET **7.35**
 49 W 594. Over 100', Per 100' **7.35**

K Type 214-318. Flat, 300-ohm twin line for indoor installation only. 60-mil web clear polyethylene dielectric. Flexible to permit easy installation around baseboards, etc. Extremely low loss and constant impedance provide maximum transfer of signal from antenna to receiver. Shpg. wt. per 100 ft., 5 lbs. **.87**
 49 T 486. 25-ft. Coll. NET **1.38**
 49 T 481. 50-ft. Coll. NET **1.89**
 49 T 482. 75-ft. Coll. NET **2.37**
 49 T 483. 100-ft. Coll. NET **2.37**
 49 W 484. Over 100', Per 100' **2.37**

AMPHENOL TWIN LINE

K Type 214-056. Flat 300-ohm polyethylene twin line for FM and TV antennas. 60-mil web thickness. 7x28 stranded conductors. Brown polyethylene dielectric for more constant impedance. Wt. per 100 ft., 2 lbs. **.83**
 49 T 434. 25' Coll. NET **1.31**
 49 T 437. 50' Coll. NET **1.77**
 49 T 439. 75' Coll. NET **2.22**
 49 T 441. 100' Coll. NET **2.22**
 49 W 436. Over 100', Per 100' **2.22**

K Type 214-100. Flat 300-ohm polyethylene twin line. 100-mil web thickness. 7x28 stranded copper conductors. Brown polyethylene dielectric assures minimum signal loss. Shpg. wt. per 100 ft., 2 1/2 lbs. **1.50**
 49 T 417. 50' Coll. NET **2.09**
 49 T 418. 75' Coll. NET **2.70**
 49 T 413. 100' Coll. NET **2.70**
 49 W 419. Over 100', Per 100' **2.70**

K Type 214-185. Flat, heavy-duty, 300-ohm twin line. For UHF television and FM use. 185-mil web thickness. Resists effects of sun, chemical fumes or salt-laden air. 7x26 stranded copper conductors. 100-ft. minimum. Shpg. wt. per 100 ft., 5 lbs. **5.40**
 49 T 414. 100' Coll. NET **5.40**
 49 W 426. Over 100', Per 100' **5.40**

KNIGHT TWIN LINE

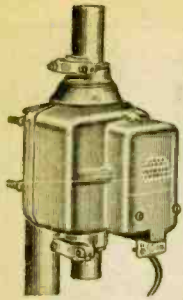
L UHF-VHF Open Line. 300-ohm. Designed to meet the more critical requirements of UHF installations. Loss 0.5 db per 100 ft. at 200 mc. Wt. per 100 ft., 2 1/4 lbs. **2.17**
 47 T 578. 100' Coll. NET **4.89**
 47 T 579. 250' Coll. NET **4.89**

M 300-Ohm VHF-TV Twin Line. High-quality twin line. Provides excellent service at a moderate cost. 80-mil web thickness. Low-loss polyethylene jacket. No. 20 stranded conductors. Shpg. wt. 100 ft., 2 lbs. **.59**
 49 T 477. 50' Coll. NET **.84**
 49 T 478. 75' Coll. NET **1.09**
 49 T 443. 100' Coll. NET **1.09**
 49 W 435. Over 100', Per 100' **1.09**

Television Antenna Rotators

ALLIANCE TELEVISION ANTENNA ROTATORS

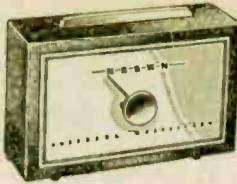
Choice of Three Handsome Control Units



A



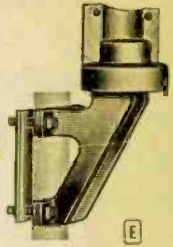
B



C



D



E

MODEL U-98 ROTATOR

FEATURING AUTOMATIC-TYPE CONTROL UNIT

- Smooth, Efficient, Weather-Proofed Rotor Unit
- Automatic Control Unit for Maximum Convenience

A B Exceptionally rugged unit used to point antenna in any direction for maximum signal strength. Simply set dial of smartly styled control box—antenna stops automatically when desired position is reached. Compact rotor unit measures $7\frac{1}{2} \times 5\frac{1}{2} \times 8"$. Weather-sealed and factory-lubricated for life. Has magnetic brake to prevent overshoot and drifting. 1-rpm motor is instantly reversible for clockwise or counter-clockwise rotation. Control unit measures $7\frac{1}{2} \times 4\frac{1}{2} \times 4"$. Sloping front panel with easy-to-read dial calibrated N, NE, E, SE, S, SW, W, and NW. Complete with rotor and mahogany plastic control unit. Requires 4-wire cable (listed right). For 110-120 v., 50-60 cycle AC. Less 4-wire cable (listed at right). Shpg. wt., 12 lbs. *No Money Down.* **25.77**

92 CX 299. List, \$44.95. NET

MODEL K-22 ROTATOR

A D Heavy-duty rotor; same as above but employs touch-bar-operated control unit. Permits clockwise or counter-clockwise antenna rotation—simply requires light pressure on right or left side of tilting touch-bar. Lever is held down until best picture is obtained. Releasing down-pressure on bar stops antenna instantly—remains fixed without drifting. Center disc on control unit lights when limit of travel is reached. With rotor, mahogany plastic control unit. Less 4-wire cable (at right). For 110-120v., 50-60 cycle AC. Shpg. wt., 12 lbs. **18.08**

92 C 338. List, \$24.95. NET

MODEL T-12 ROTATOR

FEATURING METER-TYPE CONTROL UNIT

- Clean Straight-lined Styling of Control Unit
- Fingertip Direction of Antenna by Touch-bar

A C Heavy-duty antenna rotator, same as at left, but with meter-type control box. Control panel has clean straight modern styling with dial calibrated, N, E, S, W and N. Touch-bar on top of control unit permits instant forward or reverse action. Depressing right end of bar rotates the antenna clockwise—left end, counter-clockwise. Meter pointer begins to move as soon as touch-bar is pressed. Simply release pressure on bar to stop at any desired position for best reception. Control unit in attractive mahogany plastic case measures $4\frac{1}{2} \times 6\frac{1}{2} \times 2\frac{1}{2}"$ and $2\frac{1}{2} \times 9\frac{1}{2} \times 2\frac{1}{2}"$. Shpg. wt., 12 lbs. *No Money Down.* **22.12**

92 C 339. List, \$34.95. NET

92 C 340. With ivory case. List, \$35.85. NET **23.00**

MODEL TBB2 THRUST BEARING BRACKET

E Minimizes strain on rotators by relieving them of entire antenna weight. An ideal accessory when using large antennas. Protects rear mechanism against severe lateral strain. Shpg. wt., 3 lbs. **2.91**

91 C 246. List, \$4.95. NET

4-WIRE ROTATOR CABLE

4-Wire Cable. For use with all Alliance rotators listed. Four—No. 20 gauge conductors. Shpg. wt., 100 ft., 3 lbs. **2.78**

97 T 365. 100-ft. coil. NET

47 W 576. Over 100'. PER 100' **2.78**

CORNELL-DUBILIER RADIART TV ANTENNA ROTATORS

TR-2A ROTATOR WITH ILLUMINATED-COMPASS CONTROL UNIT

- Convenient Fingertip Control
- Can Be Used with New Remote Control

Includes heavy-duty rotor, same as used in AR-22 at right, and illuminated compass-type control box. Control box can be operated directly or from your armchair by new ultra-sonic AK-122 remote control, described below. For direct operation, simply depress bar lever on control box to start antenna moving, stop it, or reverse direction. N, E, S, or W letter will light up to indicate direction of antenna. For remote operation, use with AK-122 control below.

Cabinet housing control unit is sturdy, shock-proof plastic—looks attractive atop TV set. Less cable; order 8-conductor cable listed below right. For 110-120 volts, 50-60 cycle AC. Wt., 16 lbs. *No Money Down.* **26.41**

92 CX 472. List, \$37.95. NET

NEW AK-122 ULTRA-SONIC REMOTE CONTROL PACKAGE

- Consists of Ultra-Sonic Actuator and Amplifying Relay Switch Box

Now you can operate and precisely adjust your antenna rotor from the comfort of your armchair. Cordless, hand-held actuator operates TR-2A control unit above, through amplifying relay switch box included. TR-2A control unit mounts on top of and plugs into amplifying box. No wiring necessary. To operate antenna rotor, press and release button on actuator. The indicator on amplifying box will go on. The indicator on amplifying box will go on and rotor will turn antenna. When the TV picture reaches desired clarity, press and release button to stop rotor. To reverse rotor, just press and release button again. Actuator has no batteries, tubes, or wires. Amplifying unit operates from 110-120 v., 60 cycle AC. May be left on continuously—uses little power. Wt., 4 lbs. *No Money Down.* **40.42**

91 C 273. List, \$54.95. NET

AR-22 ROTATOR WITH AUTOMATIC TYPE CONTROL UNIT

- Merely Set the Pointer—Unit Does the Rest
- Positive, Dependable Magnetic Braking

Popular, fully-automatic rotor for TV antennas weighing up to 150 lbs. Use it for mast, tower or platform mounting. Heavy-duty precision gears hold even large TV arrays steady in high winds. Rotor unit employs twelve large ball-bearings in two $6\frac{1}{2} \times 2$ races. Motor reverses instantly—never drags or coasts. Overshoot is prevented by dependable magnetic brake. Weather-sealed and factory lubricated for life. Reversible clamps on rotor unit take masts from $\frac{1}{4}"$ to $2"$ outer diameter.

Control unit dial is marked in compass points: N, S, E, W, NW, NE, SW, and SE. Operation is extremely simple: Set control unit pointer to desired direction, and antenna then automatically rotates to this position and stops. Eliminate necessity of watching control unit dial until antenna has rotated to desired direction.

Control unit is housed in attractive brown plastic cabinet which is equipped with rubber feet to protect TV set finish. Complete with rotor, control unit and full set of instructions. Requires 4-wire cable (see listing below). For operation from 110-120 volts, 50-60 cycle AC. Shpg. wt., 14 lbs. *No Money Down.* **31.31**

92 CX 150. List, \$45.95. NET

ROTATOR CABLE

4-Conductor Cable. For use with AR-22 antenna rotor listed above. Shpg. wt., per 100 ft., 3 lbs. **2.78**

97 T 365. 100-ft. coil. NET

47 W 576. Over 100'. PER 100' **2.78**

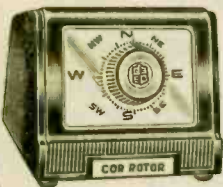
8-Conductor Cable. For use with TR-2A antenna rotor unit listed above left. Handles current for both rotor and illumination circuits. Shpg. wt., per 100 ft., 5 lbs. **4.20**

47 T 586. 100-ft. coil. NET

47 W 593. Over 100'. PER 100' **4.20**



AR-22
TR-2A



Automatic



Compass-Type



Cordless Remote Control

AK-122



Ultra-Sonic Receiver

TELESCOPING TV MASTS

50-Ft. Mast. Heavy-duty telescoping mast of high-carbon steel. Ideal for any television array. Designed for exceptionally easy installation. Heavy-duty bolts and cotter pins lock each section in place. 18-20 gauge high-carbon steel tubing with 1 1/4-oz. per inch zinc plating inside and out. Consists of 5-10-ft. sections; O.D.: #1 (1 1/2"), #2 (1 3/4"), #3 (1 3/4"), #4 (2"), #5 (2 1/4"). Floating guy-ring permits rotating mast and antenna for best reception. Supplied with all hardware and assembly instructions. Shpg. wt., 39 lbs. **92 CZ 103. NET. 13.35**

40-Ft. Mast. Consists of 4 rugged sections (see sizes listed above); Nos. 1, 2, 3, and 4. Maximum height, 40 feet. Shpg. wt., 29 lbs. **92 CZ 102. NET. 9.78**

30-Ft. Mast. Consists of 3 rugged sections; Nos. 1, 2, and 3 described above. Maximum height, 30 feet. Shpg. wt., 21 lbs. **92 CZ 101. NET. 7.04**

20-Ft. Mast. Consists of 2 sections; Nos. 1 and 2 described above. Height, 20 feet. SHDR. wt., 14 lbs. **92 CZ 100. NET. 4.31**

ANTENNA MAST SECTIONS

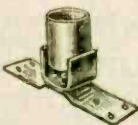


Seamless, high-strength, steel mast sections. Ends are swaged for easier installation. Heavy-wall 1 1/4" O.D. with electro-galvanized finish.

Stock No.	Height	Wall	Wt.	NET
92 CX 084	5 ft.	.035"	3 lbs.	.68
92 CX 119	5 ft.	.051"	4 lbs.	.96
92 C2 274	10 ft.	.035"	5 lbs.	1.25
92 C2 335	10 ft.	.051"	7 lbs.	1.95

UNIVERSAL AND ROOF MOUNT

Heavy-duty swivel base mount. Ideal for use with telescoping masts, described above. Extremely sturdy and versatile, it meets the requirements of almost any mast installation. Can be used on any surface—flat, slanted or peaked. For masts up to 3/4" in diameter. Shpg. wt., 2 1/2 lbs. **92 C 536. NET. 1.18**



GROUND RODS



An excellent selection of low-cost ground rods. Constructed of moisture-resistant copper-plated steel. Special raised lip keeps ground lead connector permanently anchored on rod. With bolt. Shipped by Express or Freight only.

Stock No.	Size	Shpg. Wt.	NET EACH
92 CX 537	4"x3/4"	1 1/2 lbs.	.52
92 CU 538	6"x3/4"	2 1/2 lbs.	1.25
92 CX 539	8"x3/4"	5 lbs.	1.52

GROUND AND GUY WIRE

Aluminum Ground Wire. No. 8 solid aluminum wire. For all grounding applications.

Stock No.	Coil Length	Wt., Lbs.	NET
49 T 653	50-ft.	1 1/2	.65
49 T 650	100-ft.	2 3/4	1.25
49 T 652	1000-ft.	26	11.98

No. 20 Galvanized Guy Wire. Six-strand. No. 20 steel wire. Available in 100-ft. or 1000-ft. rolls. Shpg. wt., 100-ft. roll, 2 lbs.

58 T 312, 100-Ft. Roll. NET. 64

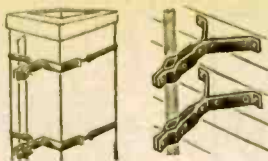
71 TU 513, 1000-Ft. Roll. NET. 6.38

No. 18 Galvanized Guy Wire. Same as above, but for heavier-duty applications. In 100-ft. or 1000-ft. rolls. Wt., 100 ft., 2 1/2 lbs.

51 T 319, 100-Ft. Roll. NET. 94

71 TU 545, 1000-Ft. Roll. NET. 9.35

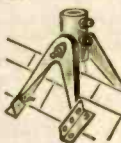
TELCO TV ANTENNA MOUNTS



A

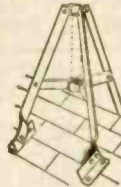


B



E

For Flat or Peaked Roofs



Available Up to 5 Ft. in Height

F

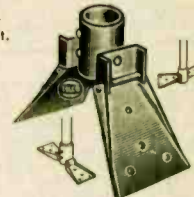


C



D

Mounts on Roofs or Walls



G

CHIMNEY MOUNT

A Type 9127. With Stainless Steel Strapping. Sturdy chimney bracket. An excellent choice for economy antenna systems. One-piece brackets for quick installation—can be installed in minutes. Brackets are heavy gauge steel, zinc-plated and dichromate-dipped for long life. Brackets securely support antenna mast—even under high wind conditions. Easily adjusted for snug, firm grip. Will support masts up to 1 1/4" dia. With 2-10-ft. straps and hardware. Shpg. wt., 4 lbs. **91 C 113. List. \$3.82. NET. 1.75**

Type 8005. With Galvanized Steel. Same as above, but with galvanized steel strapping. **91 C 274. List. \$2.95. NET. 1.58**

SNAP-IN WALL MOUNT

B Type 8306. Husky brackets for firmly mounting antenna mast to any flat vertical surface. Perfect for buildings with overhanging eaves. Mast snaps in place until nuts can be tightened. Permits one-man antenna installation. Constructed of heavy-gauge steel. Plated for resistance to moisture and harmful fumes. Holds mast 6" from wall. For masts up to 1 1/4" in diameter. Shpg. wt., 2 1/2 lbs. **91 C 249. List. \$2.40. NET. 1.08**

Type 8308. Same as above, but holds mast 8" from wall. Shpg. wt., 4 lbs. **91 C 250. List. \$3.90. NET. 1.50**

DELUXE SNAP-IN MOUNT

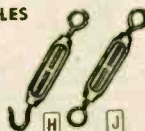
B Type 8312. Heavy-duty wall brackets. Support mast from side of building. Legs of bracket are spaced 16" apart to match studs of homes. Side away prevented by sturdy mounting legs. Vertical support (not shown) eliminates sag. Provides 12" wall clearance. Doubly protected heavy gauge steel, zinc plated and dichromate dipped for long life. For masts to 1 1/4" dia. Shpg. wt., 5 lbs. **91 C 256. List. \$4.20. NET. 1.67**

Type 8318. Same as above, but provides 18" wall clearance. Shpg. wt., 7 lbs. **92 CX 129. List. \$5.40. NET. 2.34**

Type 8324. Same as Type 8312, but provides 24" wall clearance. Shpg. wt., 10 lbs. **92 CX 130. List. \$7.30. NET. 3.58**

GUY WIRE TURNBUCKLES

Provide easy adjustment of guy-wire tension. Heavy-duty cast aluminum. Fig. J has closed loops for use where quick removal not required. Other types easily disconnected. Av. wt., 8 oz.



Stock No.	Fig.	Closed	Open	EA.	10-Up, EA.
91 C 039	H	5 1/4"	7 1/4"	12c	11c
91 C 040	H	6"	9 1/4"	20c	18c
91 C 041	H	7 1/4"	10 1/4"	30c	27c
91 C 042	J	5 1/4"	7 1/4"	12c	11c
91 C 043	J	6"	9 1/4"	20c	18c
91 C 044	J	7 1/4"	10 1/4"	30c	27c

USE ALLIED'S LIBERAL CREDIT FUND PLAN

Get the Antenna Equipment You Want Now on Allied's Credit Fund Plan... No Money Down on Orders Totalling \$20.00 or More... Up to 24 Months to Pay.

CHIMNEY MOUNT REPAIR KIT

C Type 8932. Stainless Steel. Two 12-ft. stainless steel straps with eye bolts, nuts and strap clamps. Shpg. wt., 2 lbs. **91 C 114. List. \$3.55. NET. 1.33**

SNAP-IN CHIMNEY MOUNT

D Type 8930. With Stainless Steel Strapping. Simply snap mast into bracket and tighten bolts. Fits masts up to 1 1/4" diameter. Brackets of heavy-gauge steel, zinc-plated and dichromate-dipped for protection against rusting. With two 12-ft. lengths of stainless steel strapping. Shpg. wt., 4 lbs. **91 C 242. List. \$4.70. NET. 1.99**

Type 8610. With Galvanized Steel. As above but has galvanized steel strapping. **91 C 243. List. \$3.30. NET. 1.55**

"NO-GUY" ROOF MOUNT

E Type 9060. Steel and cast-iron base supports average antenna on up to 10 ft. mast without guy wires. Legs adjust to angle of roof. For masts to 1 1/4" dia. Wt., 5 lbs. **91 C 251. List. \$4.75. NET. 2.47**

ANTENNA BASE

F Type 9063. Sturdy antenna base. For masts of 10 feet or more and up to 1 1/2" O.D. Eliminates guy wires in the average installation. Set-screws anchor mast and permit orientation. Electro-galvanized; dichromate. 2-ft. high. Shpg. wt., 6 1/2 lbs. **92 CX 040. List. \$7.15. NET. 2.70**

Type 9144. As above, but 3 feet high and constructed from 1" electro-galvanized steel tubing. Shpg. wt., 8 1/2 lbs. **92 CX 043. List. \$8.30. NET. 3.24**

Type 9143. Same as Model 9144 but 5 feet high. Shpg. wt., 15 lbs. **92 CU 044. List. \$15.90. NET. 6.30**

HINGED-TYPE RIDGE MOUNT

G Type 9021. Adjustable hinged brackets install easily on peaked roofs, flat roofs and walls. Extra heavy gauge steel. Fits mast to 1 1/2". Rust protected. Wt., 3 lbs. **91 C 381. List. \$2.35. NET. 1.08**

SPECIAL FEATURE VALUE LOW-COST ANTENNA MOUNT

Extraordinary value in an antenna mast mount for masts up to 1 1/2" outside dia. Heavy "U" bolt and reinforced clamp with dual serrated jaws hold mast securely in position. Doubly zinc plated and dichromate dipped for protection. 1/2 lb. **91 C 275. ONLY. 24**



FLOATING GUY RINGS

Cast aluminum. Ring and collar. Fastens with set screw. Permits rotating antenna after guys are installed. Lubricated for smooth rotation. For 3 or 4-guy installations on masts to 1 1/4". Shpg. wt., 8 oz. **91 C 244. NET. 1.15**

Same as above, but for masts up to 1 1/4" O.D. Shpg. wt., 9 oz. **91 C 245. NET. 1.21**

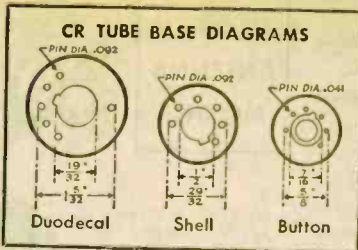


Tube Brighteners—TV Antenna Accessories

PERMA-POWER TUBE "BRITENERS"



No wiring necessary—simple plug-in design. Identify proper type by these dimensions.



Model C-401 Autoformer Type—Duodecal Base. Gives 50% power boost. Works on all black-and-white picture tubes having duodecal base, including electrostatic or electromagnetic types, 8" or larger. Does not relieve cathode-filament shorts. For television sets having parallel wired filaments only. 8oz. List. \$1.49. 91 C 213. NET87

Model C-402 Autoformer Type—Duodecal Base. Same as above, but for television sets featuring series-wired filaments

only. Wt. 8 oz. 91 C 222. List. \$1.49. NET87

Model C-212 110° Autoformer Type—Button Base. Picture tube brightener for 110° tubes with button base. Boosts filament power a full 50%. Has convenient switch for instant adaptation to either parallel or series-wired filaments. Does not relieve cathode-filament shorts. Shpg. wt. 8 oz. 91 C 205. List. \$3.75. NET2.20

Model C-222 110° Autoformer Type—Shell Base. As above except for shell base. 91 C 206. List. \$3.75. NET2.20

Model K-101 Picture Tube Restorer—Duodecal Base. Boosts emission, corrects open cathodes, heater-cathode shorts, open control grids, control grid-cathode shorts, plus combinations of these defects. Only for use with 6.3-volt, 600-ma tubes, either electrostatic or magnetic focus. Shpg. wt. 1 lb. 91 C 223. List. \$6.65. NET3.90

ALLIED'S LOWEST COST TV TUBE BRIGHTENER

ONLY 59c

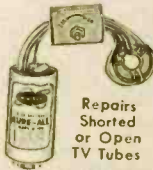


- Brightens Picture
- Increases Contrast
- Easy Installation

An exceptionally low-cost TV picture tube brightener. Installs on any black-and-white picture tube with duodecal base—8" or larger. Enjoy sharper viewing with this brightener. No wiring necessary—simple, plug-in installation. Gives your set the boost it needs for brighter pictures. Shpg. wt. 8 oz. 91 C 258. For parallel-wired sets59

91 C 257. For series-wired sets. ONLY .59

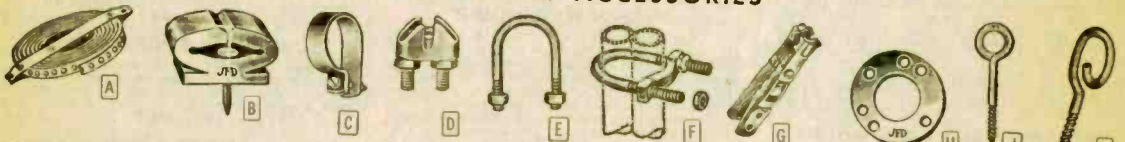
ANCHOR PICTURE TUBE "KURE-ALL"



Repairs Shorted or Open TV Tubes

Model UK 200—Duodecal Base. Extremely versatile picture tube restorer. Corrects cathode-heater and cathode-control grid shorts, open cathodes and control cathodes, plus low emission grids, plus low emission, or any combination of these. Control permits isolation of parallel or series filaments with normal or boosted voltage. For either electrostatic or electromagnetic focus tubes. Supplied with instructions. Shpg. wt. 1 lb. 91 C 104. List. \$6.50. NET3.90

TV ANTENNA ACCESSORIES



A Hanger Strap. Designed for mounting antenna masts to odd-shaped objects. Made of corrosion-resistant, heavy 3/4" galvanized steel strapping, 12' coil. Wt. 1 lb. 91 C 107. NET23

B Wall Stand-Off Insulator. Designed for securing antenna twin-lead to baseboards, walls, etc. Pack-in type for easy installation. Wt. per pkg., 10 oz. 10 per pkg. 91 C 119. PER PKG.44

C Ring Clamp. Supports guy wire ring on antenna mast. Constructed of corrosion-resistant steel. Provides slip-proof grip on mast. Fits mast diameters (O.D.) shown below. Shpg. wt., per pkg., 3 oz. 6 per pkg. 91 C 120. 3/4"-1". PER PKG.25
91 C 121. 1 1/2"-1 3/4". PER PKG.26

D Cable Clamp. Provides non-slip grip on antenna and tower guy-wires. Ends need for splicing or soldering cable loops. Fits cables up to 3/4" dia. U-bolt has 3/4"x24 thread. Galvanized collar has tapered slots—increases cable grip with each turn of wrench. 7/8 x 1 1/2". Shpg. wt., 4 oz. 91 C 144. NET EACH14

E U-Bolt. Galvanized steel. With nuts and washers. Fits up to 1 1/2" O.D. masts. Shpg. wt., per pkg., 4 oz. 2 per pkg. 91 C 122. PER PKG.19

F Mast Clamp. Has serrated yoke for tight, non-slip grip on masts. For 2 masts with max. O.D. of 1 1/4" each. Made of galvanized steel. Wt. per pkg., 4 oz. 2 per pkg. 91 C 123. PER PKG.34

G Antenna Clip. Very handy for servicemen. Clips 300-ohm lead-in to antenna terminals. Low-loss plastic clip with screw terminals for twin line. 3 3/4" long. Shpg. wt., 2 oz. 91 C 032. NET07

H Universal Guy Ring. Designed to rest U-bolt anchored on ring clamp. For 1 1/2" O.D. masts. Wt., per pkg., 10 oz. 5 per pkg. 91 C 124. PER PKG.30

J Closed Hook Eye. Anchors guy wires. 5" long. Wt., per pkg., 10 oz. 5 per pkg. 91 C 126. PER PKG.23

K Open Guy Wire Hook Eye. Designed to anchor guy wires firmly and securely. Screws into wood. Made of galvanized steel. Shpg. wt., per pkg., 10 oz. 5 per pkg. 91 C 125. PER PKG.22

L Heavy-Duty Lag Bolts. For rigidly securing mast mounts, tower bases, etc., to wood, brick, masonry or other surfaces. Made of rust-resistant, heavy cadmium-plated steel. Bolts have a 1/4" diameter shank. Av. shpg. wt., per pkg., 5 oz. 10 per pkg. 91 C 117. 1 1/2". PER PKG.42
91 C 118. 2". PER PKG.47

M Universal Stand-Off Insulators. For use with flat, oval or tubular twin-lead, and coaxial TV lead-in. Polyethylene insulation. Fasten securely by screwing into wood. Av. shpg. wt., per pkg., 10 oz. 5 per pkg. 91 C 127. 3/4". PER PKG.14
91 C 128. 5/8". PER PKG.17
91 C 129. 7/8". PER PKG.23

N Double-Stand-Off Insulators. Wood-screw type insulator holds two separate lead-ins simultaneously. Can be used for flat, oval, tubular and coaxial lead-ins. Av. wt., per pkg., 10 oz. 5 per pkg. 91 C 132. 3/4". PER PKG.47
91 C 133. 5/8". PER PKG.52
91 C 134. 7/8". PER PKG.54

P Strap-Type Single Stand-Off Insulators. Mount on mast. For flat, oval, tubular and coaxial lead-in. In lengths listed below. Shpg. wt., per pkg., 6 oz. 3 per pkg. 91 C 137. 3/4". PER PKG.23
91 C 138. 5/8". PER PKG.24
91 C 139. 7/8". PER PKG.31

R Strap-Type Double Stand-Off Insulators. Universal type for use on flat, oval, tubular, and round lead-in or coaxial lines. Holds two transmission lines—can be used when two antennas are mounted on a common mast, such as in VHF-UHF installation. Has universal, strap-type mount for clamping to any mast. In lengths listed below. Average shpg. wt., per pkg., 8 oz. 3 per pkg. 91 C 135. 3/4". PER PKG.33
91 C 136. 7/8". PER PKG.48

S Drive-In Stand-Off Insulators. Universal standoff. For use with flat, oval, tubular and coaxial TV lead-ins. For driving into wood, brick, masonry or other surfaces. 3 3/4" long. Wt., per pkg., 5 oz. 6 per pkg. 91 C 130. PER PKG.17

T Universal Hot Nail Stand-Off Insulators. Designed for use with flat, oval, tubular, and coaxial TV lead-in line. Hold securely when driven into wood, mortar, or brick. Permit extra-fast installations—do not require drilling of starting holes. Length 3 3/4". Shpg. wt., per pkg., 4 oz. 5 per pkg. 91 C 131. PER PKG.42

W Open Line Stand-Off Insulator. Has slots for 300, 450 or 600 ohm lines. 5 1/2" nail-type mounting. Holds transmission line securely, prevents sagging—permits neat, slack-free, no-slip installation. Av. shpg. wt., per pkg., 5 oz. 5 per pkg. 91 C 141. PER PKG.59

X Ground Clamp. For secure ground connection to water pipes up to 1 1/2" diameter. Has pointed screw tip for positive "bite". Convenient screw terminal for ground wire. Shpg. wt., 4 oz. 91 C 094. EACH20
10 or more, EACH14

TV Power Cords, Arresters, Couplers, and Clarifiers

TV POWER CORDS AND CONNECTORS



A TV Power Cord and Connector. This durable, all-plastic TV cord is identical to original equipment on most TV sets. 18-gauge 2-conductor cord is 6 ft. long. Molded connector fits standard TV receptacle (Fig. B). U.L. Approved. Shpg. wt., 8 oz.

91 C 046. NET 21

9-Ft. Cord. Same as above, except 9 feet long. Shpg. wt., 12 oz.

91 C 045. NET 26

A Columbia Type 145 TV Chester Cord. For use in the home; a "must" item for the radio-TV serviceman, too. Brown plastic 2-conductor cord; molded plastic plugs. 6 ft. long. Polarized for safety. U.L. approved. Shpg. wt., 5 oz.

91 C 049. NET 32

B Male Connector. Flush mounting; used on most TV sets. Shpg. wt., 2 oz.

91 C 047. NET 09

TV Power Cord and Connector. (Not illustrated.) Identical to original equipment on Zenith and many other popular brands of TV sets. Plastic-insulated, 18-gauge 2-conductor cord, 6 feet long. Molded on rubber plug. Zenith type, polarized female connector, 1" dia. x 1/4" deep, 1/2" pin spacing. U.L. Approved. Shpg. wt., 10 oz.

91 C 048. NET 36

REMBRANDT TV PICTURE CLARIFIER

For Any Type of Antenna

Clears Up Washed-Out Pictures

Attach It Yourself in 60 Seconds



A handy device that improves reception in any location by amplifying the pick-up power of your antenna electronically. Filters out ghosts and interference; clears up blurred, snowy pictures. 12-position switch for selecting clear-est picture on any channel. Works with any antenna—outdoor, indoor or built-in. Simply attach unit between your antenna and TV set; then plug into any 115 v. AC or DC outlet. With twin line. Shpg. wt., 2 1/4 lbs.

91 C 209. NET 5.95

BLONDER-TONGUE COUPLERS

Model A-102 Set Coupler. A two-set coupler featuring excellent isolation—a highly efficient phase discriminating circuit prevents interaction between sets. Delivers a strong signal to each TV or FM set. No-strip terminals, for quick and easy installation. 300-ohm impedance. Isolation, 10-20 db. Insertion loss, 3.5 db. Size, 1 1/2 x 2 1/8 x 2 1/4". Shpg. wt., 4 oz.

91 C 078. NET, \$3.00. NET 1.76



Model A-104 Four-Set or Antenna Coupler. Similar to Model A-102 above, but for connecting either 4 TV sets to one antenna, or 4 antennas to one TV set. Easy to install. Isolation, 12.20 db. Loss, 7.5 db. Size, 1 1/2 x 2 1/8 x 2 1/4". Shpg. wt., 4 oz.

91 C 076. List, \$4.10. NET 2.40

Model A-105 Hi-Lo Antenna Coupler. An antenna coupler for connecting high and low-band TV antennas to TV set with a single 300-ohm line. Designed for fast, easy installation. Isolation, 21 db. Loss, 1 db. Size, 1 1/2 x 2 1/8 x 2 1/4". Shpg. wt., 4 oz.

91 C 079. List, \$4.75. NET 2.79

AMPHENOL AND RCA ARRESTERS AND COUPLERS



AMPHENOL COUPLERS

C Tele-Couplers. Highly efficient low-loss couplers for operating up to four TV sets from one VHF or UHF antenna. Permit using a single transmission line to antenna. Bifilar wound network provides high degree of isolation to prevent interaction between sets. Also feature very low insertion loss. May be installed indoors or outdoors. Av. wt., 1/2 lb.

Type 114-088, 2 set Telecoupler. 2.25

91 C 087. List, \$3.75. NET 2.25

Type 114-090, Up to 4 set coupler. 3.45

91 C 089. List, \$5.75. NET 3.45

Antenna Couplers. (Not illus., similar to Fig. C). Eliminate antenna switching and separate lead-lines. Permit using single 300-ohm line to separate high and low-band VHF antenna and VHF-UHF antennas. Efficient filters for effective isolation. With most mounting hardware. Shpg. wt., 1 1/2 lbs.

Model 114-094 "Duonet." Couples separate high and low band VHF antenna or FM and TV antenna for combined operation with a single 300-ohm lead-in. 2.25

91 C 092. List, \$3.75. NET 2.25

Model 114-061 "Isonet." VHF-UHF coupling network. Permits using a single 300-ohm twin line to separate VHF and UHF antennas. 2.25

91 C 088. List, \$3.75. NET 2.25

D Color Couplers. For connecting two, three or four TV sets to one antenna. Provide effective isolation of sets and low signal loss through proper impedance matching. Work equally well with either color TV sets or black and white. Excellent also for matching FM radios to a single antenna. Have attractive appearance as well as weather-proofing and durability—suitable for either indoor or outdoor installation. Have built-in strain relief (flanged mount) for antenna lead-in. 2-screw mounting. Wt. 1/4 lb.

Type 114-097, 2 sets to 1 antenna. 1.77

91 C 841. List, \$2.95. NET 1.77

Type 114-098, 3 sets to 1 antenna. 2.37

91 C 842. List, \$3.95. NET 2.37

Type 114-099, 4 sets to 1 antenna. 2.97

91 C 843. List, \$4.95. NET 2.97

RCA 2-SET COUPLER AND LIGHTNING ARRESTER

E Type 240A1 TV Set Coupler. Permits operation of 2 or more TV sets from one antenna having a 300-ohm transmission line. Saves cost of additional antennas. Uses resistance elements only—does not affect impedance of transmission line. Provides isolation between TV receivers to reduce interference caused by interaction of their oscillators. Easily installed. Shpg. wt., 6 oz.

91 C 083. NET 1.15

F Type 235A1 Arrester. Expertly designed low-loss UHF-VHF lightning arrester—no splicing, stripping, or soldering of antenna line necessary. Screw cap type—forces antenna line against staple contacts which pierce insulation and make positive contact with conductors. U.L. Approved. Strap-type mounting permits quick and easy installation on mast or water pipe. Shpg. wt., 8 oz.

91 C 081. NET 1.73

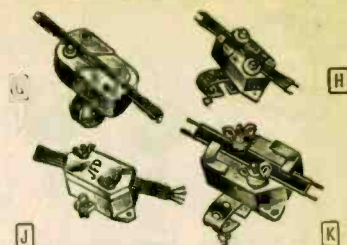
STANCOR TV TUBE BOOSTER

Model P8192. Adds life to aging picture tubes when dimness is due to low cathode emission. Boosts emission; returns full brightness and contrast to picture. For all electro-magnetic picture tubes with parallel-connected filaments. Simple, plug-in installation. Switch provides two levels of brilliance. Size, 3 1/2 x 1 1/2". Shpg. wt., 8 oz.

91 C 212. List, \$5.44. NET 3.20



JFD LIGHTNING ARRESTERS AND 2-SET COUPLER



G AT102 Regular Flat-Line Lightning Arrester. Designed to accommodate all ribbon-type twin lead. Has special retaining flange to prevent twin lead from working loose. Water-proof porcelain body. U.L. Approved. With stainless steel hanger strap, 4-ft. aluminum ground wire and mounting hardware. Shpg. wt., 15 oz.

91 C 108. List, \$2.25. NET 1.32

H AT106S Universal Arrester. Can be mounted on mast or pipe. Connections are made by saw-toothed screw terminals. For flat, tubular and open wire lead. With hanger strap. U.L. Approved. Shpg. wt., 13 oz.

91 C 110. List, \$1.50. NET 0.88

J AT104 Lightning Arrester. For antenna rotator installations. Handles 4-wire lead-ins. 8 precision-spaced teeth make positive contact with conductors. U.L. Approved. With ground lug. Shpg. wt., 15 oz.

91 C 109. List, \$1.50. NET 0.88

K AT110 Lightning Arrester. For flat or open-type installations. Strain-relief lip for protecting both types of lead-in. Mounts on outside wall or window sill. With ground-lug. U.L. Approved. Shpg. wt., 15 oz.

91 C 111. List, \$1.50. NET 0.88

RA-2 Two-Set TV Antenna Coupler. For operation of two TV receivers from same antenna. Delivers full signal strength on all VHF and UHF channels. Maintains constant 300-ohm impedance. Attaches with single screw. 6 oz.

91 C 140. NET 0.97



G-C TELCO LIGHTNING ARRESTER

Type 8642. Extremely versatile, low-cost lightning arrester for protection of TV sets. For use with round, oval, flat, or open lines. Requires no stripping, cutting, or splicing of insulation for positive contact of arrester. Toothed circular contacts make firm contact. Constructed of low-loss material for full signal strength. U.L. Approved. Single screw mounting. Shpg. wt., 6 oz.

91 C 082. List, \$1.25. NET 0.73



RADIO LIGHTNING ARRESTER

A low-cost, general purpose lightning arrester. Designed for series insertion in single-wire lead-in lines of radio receivers. Ruggedly constructed of high-quality, moisture-proof, constructed porcelain. Has high barrier between terminals for extended leakage path. Sturdy hex nut terminals assure solid, permanent connections. U.L. Approved. Shpg. wt., 6 oz.

91 C 091. NET 0.25



FEATURE VALUE

ALLIED'S LOWEST COST TV VHF-UHF LIGHTNING ARRESTER

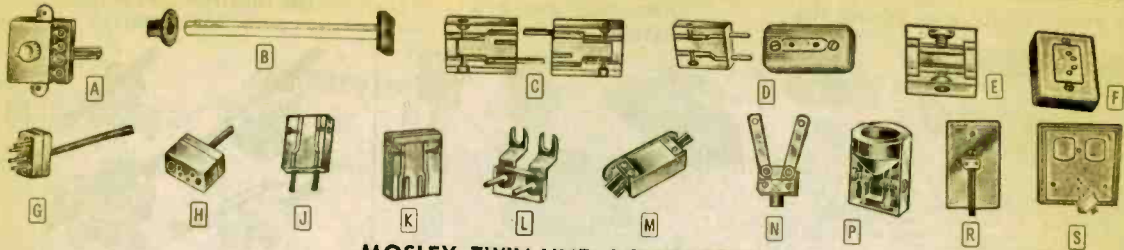
ONLY 24¢

A new low-cost VHF-UHF arrester incorporating features usually found in arresters costing much more. Has low-loss design; accommodates all wire including hollow line. Oval, open and flat line. Wall or pipe mtg. U.L. Approved. 8 oz.

92 C 008. ONLY 0.24



Television Accessories



MOSLEY TWIN-LINE ACCESSORIES

A Type F-40 2-Way Antenna Switch. Selects either of two antennas. Maintains 300-ohm impedance in both positions. 8 oz.
91 C 013. Brown plastic case.
91 C 014. Ivory plastic case.
NET EACH 1.33

B Type 625 Wall-Thru Insulator. For twin line or RG-59/U coax. Fits any wall up to 1 3/4" thick. Includes polystyrene tube 14" long, inside plate and outside cap. If desired, universal TV socket, 343-PK (listed below) may be installed on inside plate. Shpg. wt., 1 lb.
91 C 018. Brown plastic ends.
91 C 022. Ivory plastic ends.
NET EACH 1.26

C Type 231 Polarized Connector. Efficient twin-line connector consisting of 2 polystyrene plugs, each with one male and one female. Assures proper polarization. 1 3/4" long. Shpg. wt., 2 oz.
91 C 156. PER PAIR 39

D Type 343-PK Transmission Line Sockets with Plug. Can be mounted on inside plate of Type 625 Wall-Thru Insulator, above. With solderless twin line plug and mtg. screws. Shpg. wt., 2 oz.
91 C 005. Brown plastic. NET EACH 66
91 C 004. Ivory plastic.

E Type 27-S Flat-Line Polystyrene Splicer. Strip wires, insert, and tighten set screws for positive electrical contact. Size, 3/4 x 1/2 x 1/4". Shpg. wt., 2 oz.
91 C 152. NET EACH 12

F Type 354 Solderless Base Sockets. Precision molded polarized multi-wire connectors for up to 4-wire flat or round cable. Molded polystyrene body, phosphor bronze contact strips. Accepts 2 or 4-wire line plugs listed at right, above. Shpg. wt., 2 oz.
91 C 021. NET 89

G Line Plugs. Solderless. For 2 or 4-wire, flat or round cable. Shpg. wt., 2 oz.

Stock No.	Type	Description	NET
91 C 017	303	For 2-wire cable	.20
91 C 019	374	For 4-wire cable	.49

H Type 364 Line Socket. For use with up to 4-wire flat or round cables. Accepts Type 303 or 374 line plugs above. Solderless, no individual set screws. With phosphor bronze contact strips. Shpg. wt., 2 oz.
91 C 020. NET 63

J Type 301 Plug. Ideal for connecting TV antenna lead-in to set or booster. Made of polystyrene. 1/2" pin spacing (fits socket below). Shpg. wt., 2 oz.
91 C 151. NET 20

K Type 311 Socket. For use with twin-line plug above. Standard 1/2" spacing. Polystyrene insulation. Shpg. wt., 2 oz.
91 C 155. NET 20

L Type 304 Mosley Antenna Connector. Connects lead-in to TV antenna terminal. Fits Type 311 socket, above. 2 oz.
91 C 001. NET 20

M Type 902 Dual-Match TV Coupler. Operates 2 TV sets from 1 antenna. For 300-ohm line. Polystyrene construction minimizes losses. Solderless connections. 3 oz.
91 C 012. NET 1.92

N Type 2635. "V-TV" for connecting all types of transmission lines to TV antenna elements. Solderless, screw connections 4" max. width. Wt., 6 oz.
91 C 024. NET 42

P Type 29-S Tubular To Flat-Line Splicer. For joining tubular or oval 300-ohm lines to standard flat lines. Clear polystyrene. Shpg. wt., 3 oz.
91 C 023. NET 14

R Type F-1PK Flush Socket and Wall Plate. For TV or FM installations using 300-ohm twin-line. Low loss polystyrene socket with phosphor-bronze contacts. Fits standard outlet box. Plastic plate. With plug and mounting brackets. Shpg. wt., 6 oz.
91 C 011. Brown. NET 1.21
91 C 010. Ivory. EACH

Type F-11PK Dual Flush Socket and Wall Plate. Similar to above, but for 2 twin-line connections, with plug. Shpg. wt., 6 oz.
91 C 009. Brown. NET 1.66
91 C 008. Ivory. EACH

Type F-111PK Triple Flush Socket and Wall Plate. Similar to above, but for 3 twin-line connections. With plug 6 oz.
91 C 015. Brown. NET 1.73
91 C 016. Ivory. EACH

Type F-14PK Combination Flush Socket and Wall Plate. Similar to above, but for 300-ohm twin-line and 4-wire rotor cable. Plastic plate, with plugs. Shpg. wt., 6 oz.
91 C 007. Brown. NET 2.17
91 C 006. Ivory. EACH

Type F-114PK Combination Flush Socket and Wall Plate. As above, but for 2 twin-lines and 4-wire rotor cable. With plugs. 8 oz.
91 C 025. Brown plastic. NET 2.17
91 C 026. Ivory plastic. EACH

S Type AC-1PK AC-TV Wall Plate Socket. Duplex AC receptacle cover plate with built-in twin line socket. With twin line plug. Ivory finish. Shpg. wt., 2 oz.
91 C 002. NET 1.22

Type AC-14PK Wall Plate Socket. Duplex AC receptacle cover plate with built-in sockets for terminating twin line and 4-wire rotor cables. With twin line and rotor cable plugs. Ivory finish. Shpg. wt., 2 oz.
91 C 003. NET 2.15

TV INTERFERENCE FILTERS AND TWIN-LINE ACCESSORIES

REGENCY HIGH-PASS FILTER



Model HP-45. Attenuates signal frequencies below 55 mc. Provides effective aid in elimination of TVI originating on frequencies below the VHF TV band. Has constant cut-off frequency of 45 mc in a 300 ohm balanced line. Approximately 20 db attenuation at 29 mc; 40 db or more at frequencies of 14 mc and below. With mounting bracket and instructions. Size, 1 1/2 x 1/4". Shpg. wt., 2 oz.
91 C 161. List, \$1.65. NET 99

R. L. DRAKE HIGH-PASS FILTER



Model TV-300-HP. Efficient high-pass filter. Attenuates more than 40 db on 0.52 mc—highly effective on 0.52 mc—Amateur TVI. For 300-ohm use. Size, 2 1/2 x 2 1/2 x 1 1/4". Shpg. wt., 1/2 lb.
91 C 160. NET 3.97

JFD ANTENNA SWITCH



Deluxe Model AS3. Constant 300-ohm impedance rotary switch with low-loss silver contacts. Selects any one of up to three antennas. Plastic case; handy screw terminals for easy installation. Size, 1 1/4 x 5 x 2". Shpg. wt., 2 lbs.
91 C 112. NET 2.91

SUPEREX "CLEAR-PIX" FILTERS



Designed to minimize or eliminate the common types of TV interference. Effectively reduce interference caused by Amateur transmitters in the 21 to 21.45 megacycle band, FM, ignition and other high frequency sources. Do not affect signal strength. Quickly installed with only a screwdriver—brass lugs attach to same screws that hold antenna connections at back of receiver. For use with any model TV set using 300-ohm twin lead transmission line. Shpg. wt., 5 oz.

Stock No.	Mfr's Type	Interference Used For	NET EACH
91 C 066	CPH	21 mc Amateur	1.17
91 C 068	CPF	Strong FM station	
91 C 067	CPI	Ignition or similar	
91 C 065	CPC	Citizens Band	

CINCH-JONES WALL PLATES



For terminating TV antenna lead-in and rotor cables in standard wall outlet. Wall plates are chrome-plated. Model S-302 for antenna lead-in; Model S-302-4 for lead-in plus 4 rotor wires; Model S-302-8, for lead-in and 8 rotor wires. Shpg. wt., 7 oz.

Stock No.	WPC Style TV Wall Plates	NET
91 C 036	S-302	1.38
91 C 037	S-302-4	1.67
91 C 038	S-302-8	1.79

Stock No.	CCT Style Plugs for Above	NET
40 H 802	P-302. Antenna plug	.57
40 H 804	P-304 4-wire rotor plug	.66
40 H 808	P-308 8-wire rotor plug	.81

AMPHENOL HIGH-PASS FILTER



Model 114-330. Reduces TV interference from transmitters, diathermy, ignition, etc. Attenuation: 60 db below 20 mc; 300 ohms. 1 1/2 x 4 1/4 x 3 1/4". Shpg. wt., 6 oz.
91 C 090. NET. 4.17

TACO SELECTIVE ATTENUATOR



Model 835. 300-ohm variable attenuator for TV and FM receivers. Reduces sound and picture distortion caused by overdriving receivers. Positions: 0 db for normal reception; 15 db for minimum; 30 db for maximum. 4 1/2 x 2 1/4". Shpg. wt., 5 oz.
92 C 046. NET 2.97

TELCO LEAD-IN TUBES



Type 8641. Combination plastic lead-in tube and lightning arrester. Fits walls to 16" in thickness. Has lightning arrester on outside end; wall plug on inside. Simple installation—lead-in wire is fastened under teeth of lightning arrester and contact is made to inside. Requires 3/4" mounting hole. Shpg. wt., 1 lb.
91 C 070. List, \$2.95. NET 1.77

Type 8958. As above, less arrester and plug. Ideal for terminating open line outside and bringing standard line into house. 1/2 lb.
91 C 115. List, \$2.35. NET 1.40

"PEERLESS" TV TABLES



41



66



21



126



186

Model 41 Phono-TV Table. Table top is 1-piece sheet metal. Holds any size portable or table-model TV set, phonograph, etc. Arms extend from 16" to 30". Stands 24" high. Easy-rolling 3" casters; utility or record storage shelf. Finished in satin black. Shpg. wt., 12 lbs. 92 CX 038. NET **5.97**

Model 66. Phono-TV table as above, but has brass-plated arms, legs and shelf; matching bronze table top. Shpg. wt., 12 lbs. 92 CX 051. NET **7.77**

Model 66 All-Purpose Hi-Fi TV Table. Beautiful metallic gold finish throughout. Brass arms extend from 16" to 30" to fit any TV set. Stands 31" high; has 3" casters. Heavy steel frame with 16x16" top. 2 wire shelves for magazines, knick-knacks, etc. Shpg. wt., 15 lbs. 92 CX 060. NET **8.97**

Model 21 TV Table With Shelf. Handsomely styled, solid-top TV table. Fits any table-model TV set—adjustable arms extend from 16" to 30". Stands 18" high. 3" lucite casters. Finished in satin black. Has wire shelf for storing books, records, tapes, etc. Shpg. wt., 12 lbs. 92 CX 061. NET **5.37**

Model 26. Same as above, but in lustrous brass finish. Wt., 12 lbs. 92 CX 071. NET **7.17**

Model 266 Heavy-Duty TV Table. Sturdily built, this table is for bigger and heavier TV sets with 21" and larger screens. Holds any size TV set—has extension arms which open to 36" and close to 22". Also ideal for holding table-model phonographs, hi-fi units, etc. Cart stands 18" high; has 3" clear lucite easy-rolling casters. Constructed of sturdy tubular steel, heavily brass plated throughout. Convenient wire book shelf greatly strengthens and stabilizes table legs. Shpg. wt., 11 lbs. 92 CX 077. NET **8.37**



"SLIMLINE" SERIES. Slim and graceful in appearance, these sturdy TV tables are especially designed to hold the new, narrow, "slimline" TV sets. Compact TV tables take up less space in living rooms and dens. All have 21" wide and 9 1/2" deep table tops. Durably finished in black, non-chip enamel and hard-shell brass. Extremely stable and tip-proof, the tables can be easily moved about—indoors or out. Clear lucite casters swivel smoothly at the slightest touch. Attractive lower shelf for record or magazine storage. In black enamel or brass finish.

Model 126 Slimline TV Table. In rich brass finish. Uses full 3/4" dia. tubing on legs for maximum strength. 24" high. Side arms adjust from 19" to 31". With easy-rolling 3" casters. Shpg. wt., 11 lbs. 92 CX 132. NET **7.50**

Model 121 Slimline TV Table. Same as Model 126 above, except has black enamel finish. 24" high. Clear 3" lucite casters. Wt., 11 lbs. 92 CX 155. NET **5.70**

Model 116 Low Slimline TV Table. (Not illus.). Similar to Model 126 above, but lower. Stands 16" high. Clear 2" casters. Finished in triple-plated brass. Protected with a heavy coat of baked lacquer. 9 lbs. 92 CX 166. NET **6.90**

Model 111 Low Slimline TV Table. Same as Model H6 above, except has long-lasting black enamel finish. Shpg. wt., 9 lbs. 92 CX 167. NET **4.95**

Model 186 Tall Slimline TV Table. Ideal height for bedside viewing—31" high. Highly recommended for hospitals, motels and hotels. Slimline table-top measures 9 1/2"x21". Compact depth enables table to "hug" the wall in places where space is at a premium. Quality design features 2 wire shelves for holding a table radio, books, magazines, etc. Table arms let you push or pull entire cart to various locations with utmost ease. Arms adjust from 19" to 31", easily accommodating largest table model TV's. Tip-proof table rolls almost effortlessly on 3" clear lucite casters. Shpg. wt., 14 lbs. 92 CX 172. NET **8.97**

TELEVISION ACCESSORIES



A



B



C



D



E



F



G



H



J

A EBY K-302 CRT Extension Harness Kit. Makes service jobs faster and easier. Expedites testing of any model black and white television picture tube. Consists of 3-ft. anode extension harness; 4-ft. CRT socket harness for both electrostatic and magnetic tubes; 3-ft. yoke extension harness for sets using octal plug and socket. In rugged, heavy-duty plastic case. Shpg. wt., 10 oz. 91 C 035. List. \$5.40. NET **3.18**

B Miller Antenna Transformers. Permits use of low-loss 52 or 72 ohm coaxial cable on 300 ohm receiver inputs. 2 required; one at antenna, and one at receiver. May be used indoors or outdoors. Size, 1 1/4"x1/4". Wt., 2 oz. 91 C 158. Type 6161. 52 ohms. 91 C 159. Type 6162. 72 ohms. NET EACH **1.76**

C Clarostat TV Voltage Regulator. Protects TV sets from power surges; reduces surge of 140 v. to 110 v. For sets using 200-300 watts. 5 oz. 91 C 000. NET **2.06**

D Amphonal 114-313 Matching Transformer. Stub-type transformer for matching 72 ohm and 300 ohm impedances. Matches 72 ohm line to 300 ohm antenna or receiver inputs; also matches 300 ohm line to 72 ohm inputs. Excellent for matching folded dipole antenna to coaxial lead-in. Spade lugs on each end. Shpg. wt., 14 oz. 91 C 093. NET **7.1**

E Perma-Power B-101 Horizontal Bar Generator. Provides series of horizontal lines for accurate checking of picture linearity. Also used for setting of deflection yoke and focus coil for magnet. Plugs into all duodecyl type picture tube sockets. With instructions. Size, 1 1/2"x1 1/2". Shpg. wt., 5 oz. 91 C 077. NET **1.72**

F CRT Hi-Voltage Connector. Second anode connector. Silver-plated plug for perfect contact. 1 1/2" rubber cap. 18" wire lead. Shpg. wt., 4 oz. 91 C 034. NET **2.29**

G Vidair "Kine Test". Tester for checking electromagnetic and electrostatic focus picture tubes by substitution method. No need to remove chassis from cabinet. Just plug tester into picture tube socket. Electronray tube dynamically checks filament, bias, and 1st anode voltages, video signals, etc. Compact—easily fits in tool chest. With instructions. Size, 4 1/2"x1 1/2". Shpg. wt., 6 oz. 91 C 240. List. \$6.90. NET **4.14**

H Quam QF-4 Focalizer Unit. For easy focusing and centering of raster. Fits all picture tubes with neck diameters of 1 1/2" or larger; for any anode voltage. 1 1/4"x1/4"x6". Shpg. wt., 1 lb. 91 C 033. NET **3.09**

J Miller 6295 Adjustable Ion Trap. Universal single-magnet ion trap. Replaces any single trap within range of 32 to 55 gausses. Wt., 6 oz. 91 C 103. NET **1.88**

KNIGHT TV ANTENNA INSTALLATION KITS

Extremely useful TV antenna installation kit at a money-saving price. Ideal for making new TV antenna installations or for repair of existing installations. Top-quality components for years of reliable service. Kit includes: three 3-foot metal sections of rugged heavy wall galvanized steel; 100 ft. of 300-ohm twin line; U.L. Approved lightning arrester; five screw-type stand-off insulators; two mast-type stand-off insulators; 20 feet of No. 8 gauge, solid aluminum ground wire; plus antenna installation diagrams and instructions. Shpg. wt., 7 1/4 lbs. 92 CX 018. NET **3.27**



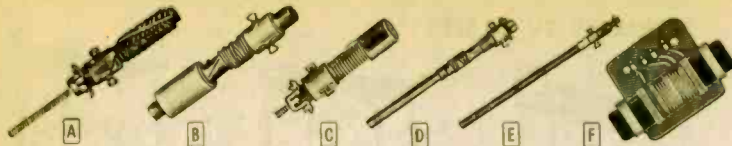
G-C TUBE-SAVER—TRIPLES TUBE LIFE

Model 25-898. A highly effective device for extending the tube life of TV sets, hi-fi music systems, radios and other electronic equipment. Plugs in quickly and easily to provide constant protection of tubes against sudden surges of voltage. Tube-saver plugs into wall outlet; set plugs into tube-saver. Size, 2 1/4"x2 1/4"x1 1/4". For 100-275 watt sets. For 110-120 v. 50-60 cycle A-C-D-C. Shpg. wt., 7 oz. 91 C 210. List. \$4.95. NET **3.23**

Model 25-900. For color TV sets. 250-400 watts. Shpg. wt., 12 oz. 91 C 211. List. \$5.95. NET **3.89**



AM Antennas, Antenna Kits, TV Tuner



SUPEREX HIGH-GAIN AM LOOPSTICK ANTENNAS

A complete selection of low-cost, high-efficiency, ferrite-core antennas. Ideal for replacing old-fashioned loop antennas. Feature extremely high gain, stable performance and uniform response. Will greatly improve signal to noise ratio. Reception is equally sensitive from all directions. Easily mounted. Tune 540 to 1600 kc (AM broadcast band) with 365 or 410 mmf tuning capacitor.

A VLT-240 Translater Vari-Loopstick. Has impedance tap; micrometer adjustment. Simplified, one-hole snap-in mounting. For use with 365 mmf or 410 mmf variable tuning capacitor. Size, $\frac{3}{4} \times 2$ ". Shpg. wt., 4 oz. 91 C 057. NET. .73

B Ferri-Loopstick. Excellent low-cost, replacement antenna for AM broadcast receivers. Needs no orientation. Has "Q" of 240-275. Single-hole snap-in mounting. Size, $\frac{3}{4} \times 2$ " long. Shpg. wt., 4 oz. 91 C 061. NET. .44

C Vari-Loopstick. For AM broadcast receivers, including the smallest portables. Has "Q" of 250. Adjustable ferrite core permits peaking. Single-hole snap-in mounting. Size, $\frac{3}{4} \times 2$ ". Shpg. wt., 4 oz. 91 C 060. NET. .59

C Vari-Tenna. For use with older radio sets equipped with built-in antenna. Features high sensitivity and excellent signal-to-noise ratio. Boosts gain up to 25 times. Single-hole mounting. $\frac{1}{2} \times 2\frac{1}{4}$ ". Wt., 4 oz. 91 C 058. NET. .73

D "Energized" Ferri-Loopstick. This 5" loopstick has a "Q" of up to 350. Extremely high gain brings in weak, distant stations. Adjustable coil with self-locking vinyl collar permits peaking antenna for optimum results. Single-hole mtg. Size, $\frac{3}{4} \times 5$ ". Wt., 6 oz. 91 C 062. NET. .88

E 7" Loopstick. Same as "energized" loopstick described above, but has 7" length for even greater sensitivity. Has "Q" extending up to 425. Shpg. wt., 6 oz. 91 C 063. NET. 1.32

F High "Q" Translater Loopsticks. Ideal replacement for most transistor sets. Extremely high "Q". Movable turns and multiple taps; Flat design provides excellent pick-up. All tune 540 to 1600 kc with standard 365 or 410 mmf tuning capacitor. *Direct replacement in many Japanese radios.

No.	Type	μ H	Size*	Wt.	EACH
91 C 053	2FT-240	200-265	2 3/4"	2 oz.	1.62
91 C 059	2FT-397*	360-425	2 3/4"	2 oz.	1.36
91 C 054	3FT-240	200-265	3 3/4"	2 oz.	1.62
91 C 055	5FT-240	175-260	5 3/4"	3 oz.	1.62
91 C 056	7FT-240	170-265	7 3/4"	4 oz.	1.76

REPLACEMENT ANTENNA LOOP

Wound on rigid fiberboard form. Has lug terminals. Replaces antenna coil and rod antennas in battery and midjet sets or portables. Turns may be removed to match loop being replaced. Overall size, $6 \times 8\frac{1}{4}$ ". Shpg. wt., 8 oz. 91 C 064. 1 to 9, NET EACH. .53

10 or more, EACH. .48

WINDOW LEAD-IN

Soft drawn copper, covered with heavy black cotton braid. Thoroughly weatherproofed. For use with all antennas having single-wire lead-in. Fits under window. Has Falnstock clips. 12" long by $\frac{1}{2}$ " wide. Wt., 2 oz. 91 C 069. NET. .19

ALL-PURPOSE TV SERVICE CORD

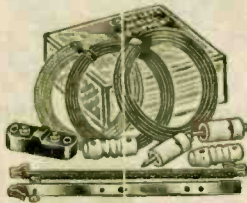
Female Type. One flexible brown cord to service most TV sets. Plug one end into wall outlet; other end has duplex AC receptacle with 2 connectors for attaching to TV chassis. One is standard soft-plastic TV connection; other is metal Zenith connection. 6 ft. long. Shpg. wt., 1 lb. 91 C 095. NET. .98

PERMA-POWER MODEL D-200 AUTOMATIC VOLTAGE REGULATOR

Maintains normal operating voltage on TV sets, hi-fi systems, fans, power tools, etc., used on overloaded circuits or in areas with low line voltage conditions. Automatically boosts voltage 10 volts whenever line goes below 110 volts. Eliminates picture shrinking, flutter, and loss of brightness due to low line voltage. Plugs into standard AC outlet; appliance plugs into regulator. Unit turns on and off with set. For up to 300 watts. $4\frac{1}{4} \times 4\frac{1}{4} \times 2\frac{1}{4}$ ". Shpg. wt., 2 1/2 lbs. 91 C 224. NET. 5.85

Model D101 Line Voltage Regulator. As above, but has 3-pos. selector switch for boosting or lowering voltage. Plugs into AC outlet; appliance plugs into regulator. 2 1/2 lbs. 91 C 221. NET. 4.09

DELUXE BC-SW ANTENNA KIT



Handy antenna kit for broadcast and short wave reception. Increases "pull-in power" of any set. Includes: 100 ft. $\#26$ bare copper antenna wire; 40 ft. rubber covered lead-in; 25 ft. rubber covered ground wire; 2 porcelain insulators; 1 window lead-in; 1 lightning arrester; 2 porcelain nail knobs; 1 ground clamp and full instructions. Shpg. wt., 2 1/2 lbs. 91 C 239. NET. 2.04

Standard BC-SW-Antenna Kit. 50 ft., $\#26$ bare copper wire; 25 ft. lead-in; 2 antenna insulators; 2 nail knob insulators; 1 window lead-in and 1 ground clamp. Shpg. wt., 1 1/2 lbs. 91 C 238. NET. 1.03

CINCH-JONES TV WALL PLATES

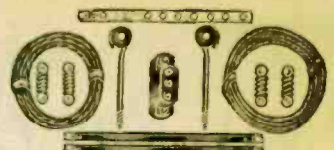
Low-loss wall outlets for UHF and VHF TV antenna twin lead-ins. WPI-8 and WPB-8 also have 8-wire rotor outlets. WPI and WPB have knock-out panel for inserting Cinch-Jones S-308-AB socket if rotor is added later. Fit standard outlet plugs, below. Shpg. wt., 7 oz.

Stock No.	Fig.	Type	Color	NET
91 C 027	G	WPI	Ivory	.98
91 C 028	G	WPB	Brown	.98
91 C 029	H	WPI-8	Ivory	1.58
91 C 030	H	WPB-8	Brown	1.58

91 C 031. Type TVP-2 Two-Prong Plug. For all plates above. Shpg. wt., 2 oz. NET. .22

40 H 874. Type P-308-AB Rotor Plug. For WPI-8 and WPB-8. Shpg. wt., 3 oz. NET. .49

CONSOLIDATED ANTENNAS



MODEL 615 LONG WAVE, SHORTWAVE AND BC ANTENNA KIT

An excellent antenna kit for all-wave reception. Contains all wire and parts for any one of the following antennas: balanced doublet; doublet; or inverted-L. Includes: 100 ft. of bare antenna wire; 50 ft. of insulated transmission line; 4 insulators; 2 bakelite screw eyes; doublet lightning arrester; lead-in strip; and ground clamp. Complete with assembling instructions. Shpg. wt., 3 1/4 lbs. 91 C 084. NET. 4.26

MODEL 635 DOUBLET ANTENNA



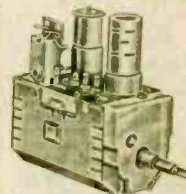
A highly efficient doublet antenna. Provides excellent short-wave, long-wave, and broadcast band reception. Doublet sections are tuned to provide uniform response throughout the 16-49 meter short-wave band. Kit contains: 2-30 ft. coils of $\#24$ bare copper wire; 50 ft. of twisted and braided transmission wire; 10 ft. of ground wire; 3-3" glass insulators; ground clamp; porcelain lead-in tube; 2 porcelain nail-knobs; and easy-to-follow installation instructions. Shpg. wt., 3 1/4 lbs. 91 C 085. NET. 3.72

COPPERWELD ANTENNA WIRE

High quality, copperweld antenna wire. Features copper outer conductor and steel core. May also be used for guying antenna towers and masts.

Stock No.	Gauge	Feet	Wt., Lbs.	EACH
49 T 133	12	100	2	2.69
49 T 134	12	250	5	6.30
49 T 140	14	100	1 3/4	2.17
49 T 141	14	250	3	5.12
58 T 318	18	250	2	1.47
58 T 317	18	500	3	2.94
58 T 315	18	3000	18	14.48

STANDARD COIL TV TUNER



Model GK-2550 "Gilded Grid" Neutrode Replacement Tuner. Replaces tuners with 6.3 volt, parallel connected heaters and 21-mc cascade tuners. Features neutralized-triode circuit to provide substantial improvements in gain, signal-to-noise ratio, and general performance. Uses new 6BR5 RF amplifier and 6CG8A oscillator-mixer. Has improved filter circuits and shielding; greatly reduced oscillator drift and radiation. Its frequency is preadjusted at factory to 21.25 mc sound and 25.75 mc video; can be adjusted over a wide range to suit specific installation requirements. Requires 125-145 v. DC plus heater voltage. Supplied complete with set of mounting brackets to adapt to standard mtg. centers. Shpg. wt., 3 lbs. 91 C 096. NET. 21.07

TYPE 31M-213 TV TUNER STRIPS



Replace original Standard Coil strips. Set includes antenna and oscillator strip for VHF (channels 2-13 only). Specify channel number required and tuner series letter stamped on original strips. 4 oz.

Stock No.	For Series	Stock No.	For Series
91 CC 097	F	91 CC 100	Q
91 CC 098	H	91 CC 101	R
91 CC 099	K	91 CC 102	U

NET EACH. 2.19

Bell & Howell 8mm Movie Outfit

Net **\$189⁹⁵**
 \$10 monthly

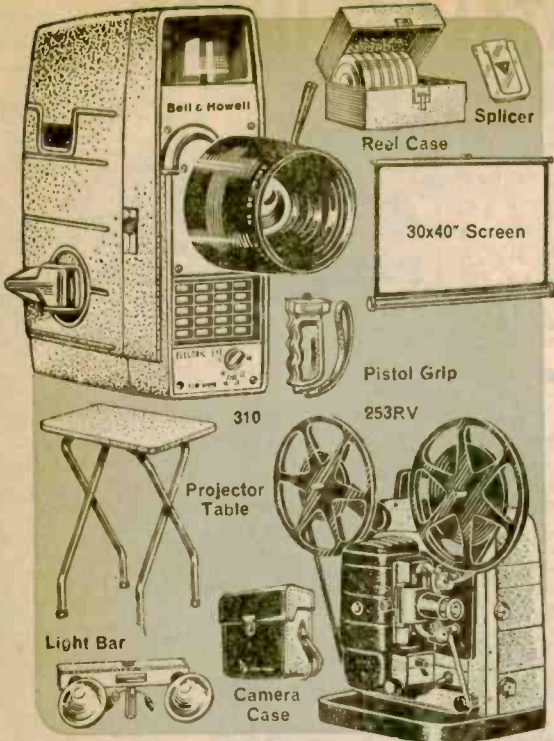
- With Zoom Lens and Coupled Eye
- Viewfinder for Easy Zoom
- 9-27 mm, f2.3 Camera Lens
- Projector Takes "Half-Hour" Reels
- Outfit Includes Every Accessory

You'll really enjoy capturing the fun of family get-togethers, vacations and other happy events with this superb 8mm movie outfit. It's easy to be an expert with the remarkable Bell & Howell 310 camera. Has a 9-27mm, f2.3 lens for beautiful color films that you'll dramatically zoom from normal to telephoto for exciting and interesting closeups. Coupled viewfinder shows you exactly what the lens sees while you zoom. Full-time coupled "eye" sets the correct lens opening for you, and a beacon warns against too-dim conditions. Has ASA settings from 5-40. Speeds: 16 fps plus single-frame. Also has continuous run lock, automatic footage counter and universal focus.

In addition to an excellent camera, outfit includes famous Bell & Howell 253RV projector that always shows your shots to best advantage. The 253RV has enclosed gear-driven reel arms for extremely reliable and quiet operation. Features a 400-ft. reel capacity for a half-hour run. Additional highlights: exceptionally simple threading system and convenient fingertip controls; a quality 1" f1.6 anastigmat lens that throws out an extraordinarily bright, sharp image; and still-picture feature that lets you take a "closer look." Speed is continuously variable. The 253RV projector also can reverse operation easily. Permanently lubricated at the factory.

You get even more: 30x40" beaded screen; projector table that folds and stores in small space; reel storage case with 6 reels and cans; camera case; pistol grip handle with leather safety strap; film splicer; and a two-light bar for excellent indoor color or black and white shots. 46 lbs.

20 V 368-5J.....NET 189.95



8mm Movie Outfits for Year-Round Fun

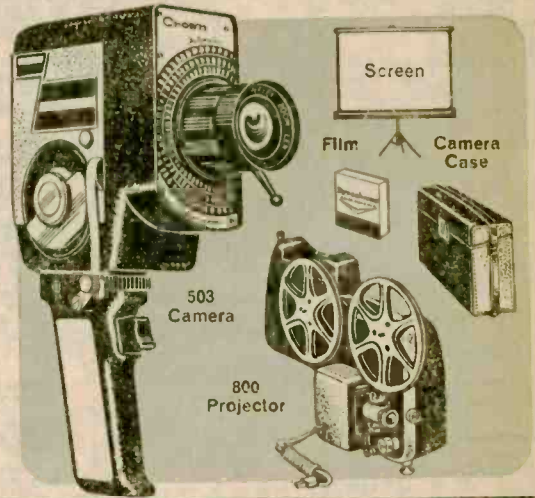
Crown 8mm Movie Outfit

Net **\$149⁹⁵**
 \$8 monthly

- Full Range Zoom Lens
- f1.8 Lens and Reflex Viewfinder
- Red Signal Shows Insufficient Light
- Projector Capacity: 30 Minute Reel
- Includes Reel of Color Film

Store up present events for future enjoyment with this excellent 8mm array. Features Crown 503 automatic electric eye camera with smooth-operating zoom lens. Crown 800 projector also has zoom lens, enlarging picture area 4 times. Also offers slow motion and reverse action. 400-ft. reel capacity for 30-minute showings. 30x40" screen is finely beaded to assure bright pictures—rigid tripod leg construction. Supplied complete with Instruction booklet, camera case and roll of Dynachrome color film with processing charges prepaid. 25 lbs.

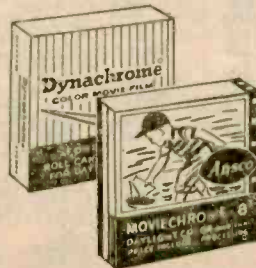
20 V 369-4J. \$8 Monthly.....NET 149.95
 24 V 804-J. 503 Camera Only. 3 lbs.....NET 69.95
 24 VU 697. Projector Only. 6 lbs.....NET 79.95
 24 VU 695. Screen Only. 8 lbs.....NET 9.95
 24 V 696. Camera Case Only. 2 lbs.....NET 7.95



POLAROID 10-SECOND FILM

Fine quality film for all Polaroid cameras at low prices. Types 32 and 42 have respective ASA speeds of 400 and 200. 37 and 47 are 3000-speed (J-33 and J-66 require 3000-speed film; recommended for Models 850 and 950). 8 exposures per roll. Wt., 3 oz.

Stock No.	Type	Use With	PER ROLL	3-UP EA.
24 V 608	32	80 Series	1.38	1.30
24 V 609	37	80 Series, J-33	1.48	1.40
24 V 610	42	All but 80 Series, J-33 and J-66	1.77	1.69
24 V 611	47	All but 80 Series and J-33	1.89	1.80



8mm COLOR FILM. Price includes processing. 50 feet. 3 oz.

24 V 621. Dynachrome Outdoor.....2.49
 24 V 622. Dynachrome Indoor.....2.49
 24 V 805. Anso Outdoor.....3.19
 24 V 806. Anso Indoor.....3.19

35mm COLOR FILM. Price includes processing. Dynachrome, 20-exposure only. Anso, outdoor only. 3 oz.

24 V 618. Dynachrome Outdoor.....2.29
 24 V 617. Dynachrome Indoor.....2.29
 24 V 807. Anso 12-Exposure.....1.99
 24 V 808. Anso 20-Exposure.....2.79

Buy a Movie Outfit Now on Allied's Credit Fund Plan

ALLIED 447

COMPLETE CATALOG INDEX

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Shipping Weight. (For Cash Orders Only.) Weights indicated in the catalog and the rate charts on the facing page will give you the approximate shipping cost.

Insurance. To protect you, we insure all parcel post with a dependable, private insurance company. See facing page for postal insurance rates.

Cash Orders. On cash parcel post orders, please remit to cover the full amount for the items ordered, plus postage and insurance. Don't worry about sending too much. Every cent extra will be refunded.

Credit Fund Orders. On Credit Fund orders, send no money for shipping charges. They are prepaid and added to your account.

How To Send Money. Please send your remittance by post office or express money order, bank draft, or check. Please do not send stamps. Avoid sending coin or currency, but if necessary, be sure to register your letter.

IF IT IS NECESSARY TO WRITE TO US . . .

On Cash and Credit Fund Orders, we return your order with a billing that explains how your order was priced. If necessary to write us, please include all order papers and correspondence that apply. If you don't have the order papers,

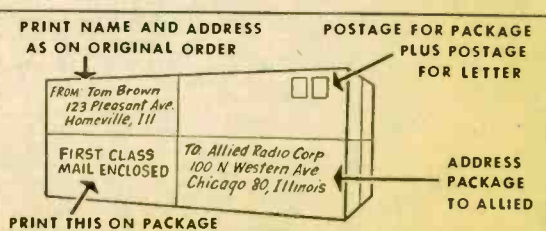
give us the stock numbers and descriptions of the items ordered and the name and address on the original order.

On Open Accounts, only the invoice number is necessary.

**If You Wish To Return
Or Exchange Merchandise
For Any Reason**

On Parcel Post, place your instructions, order papers and correspondence in an envelope **inside** your package. On the outside mark "First Class Mail Enclosed" and add an extra 4c postage for the letter. **Be sure to insure the package.**

On Express Shipments, place all papers in a **stamped** and sealed envelope inside the package. Date the envelope and draw several lines across the stamp with ink. Your name and address should be on the envelope as well as on the package.



SHIPPING INFORMATION



PARCEL POST INFORMATION AND CHARGES

PARCEL POST. We limit parcel post shipments to 20 pounds and 72 inches—length plus girth (measurement around widest point). Shipments of high value or those easily damaged are shipped by express even when they fall within parcel post limits. Items that are not available have "U" or "Z" in our stock number—see explanation in column at left. Parcel post rates in table below are current, but subject to change without notice.

INSURANCE. To protect you, we insure all parcel post shipments with a dependable private insurance company. Please allow for insurance at the following rates:

Up to \$10.00	10c	\$ 50.01 to \$100.00	30c
\$10.01 to \$50.00	20c	\$100.01 to \$200.00	40c

"U" AND "Z" ITEMS

The letter "U" or "Z" in our stock numbers (as in 35 DU 717 or 91 CZ 331) identifies items which are fragile or exceed parcel post size or weight limits. We ship such items by express, truck or the best low cost method. ("U" items will be shipped by package delivery truck in Chicago and Zones 1, 2 and 3 at Parcel Post rates.)

ABOUT C.O.D. ORDERS

For economy's sake, we strongly recommend that you send a check or money order with your order, or use the Allied Credit Fund Plan. On parcel post shipments, the Post Office charges you a C.O.D. collection fee. They also charge you a money order fee for sending payment to us. If a C.O.D. shipment is unavoidable, your order should be for a minimum of \$5.00, with a deposit of at least 20%. Please include full remittance with any orders for less than \$5.00.

PARCEL POST C.O.D. FEES

\$0.01 to \$5.00	40c	\$50.01 to \$100.00	90c
5.01 to 10.00	50c	100.01 to 150.00	1.00
10.01 to 25.00	70c	150.01 to 200.00	1.00
25.01 to 50.00	80c		

MONEY ORDER FEES

From \$0.01 to \$10.00	20c
From 10.01 to 50.00	30c
From 50.01 to 100.00	35c

SHIPMENTS TO CANADA

Prices in this catalog are in terms of U.S. funds. We will deduct 10% from the face value of remittances made in Canadian funds. Please adjust your remittance accordingly. We limit parcel post shipments to Canada to 25 pounds and 72 inches (length plus girth). Remit 80c for the first 2 pounds and 30c for each additional pound. Remit for insurance in the amounts indicated at right, above. C.O.D. and air parcel post services are not available. We can ship by express and freight.

SHIPMENTS TO ALASKA

Parcel post shipments (surface and air) are made at the 8th zone rates given in the tables at right. On shipments other than parcel post (air freight or express, truck, or boat) Marine & Risk Insurance is necessary. Please send funds to cover charges on the following basis: air freight or air express, 10c per \$100.00 valuation; truck or boat, 50c per \$100.00 valuation.

SHIPMENTS TO APO'S or FPO'S

Shipments by both air and surface are usually limited to 70 pounds and 100 inches (length plus girth). Exceptions exist so please determine restrictions to your APO or FPO before ordering. Please remit charges (using the tables at right) on the following basis: New York APO's and FPO's take zone 5 rates; San Francisco APO's and FPO's take zone 8 rates. All air shipments take zone 8 rates.

SHIPMENTS TO U.S. POSSESSIONS

Parcel post shipments to the Canal Zone, Canton Island, Caroline Islands, Guam, Marianna and Marshall Islands, Puerto Rico (*see note below), Samoa, Virgin Islands, and Wake Island are limited to 70 pounds and 100 inches (length plus girth). Please remit for charges using the zone 8 rates. *Note: The Commonwealth of Puerto Rico imposes excise taxes on electrical appliances (hi-fi systems, components, etc.) which amount to a minimum of 15% of the invoice price, collected at point of delivery.

HOW TO ESTIMATE PARCEL POST CHARGES

Up to 16 ounces, all zones, allow 3c for first 2 ounces, 1½c for each additional ounce

The post office charges a fraction of a pound as a full pound. For example, if the total weight is 5 pounds and 1 ounce to Zone 4, postage would be for 6 pounds (70c)

WEIGHT 1 Lb. and Not Exceeding	Chicago	1st & 2nd Zone, up to 150 mi.	3rd Zone 150 to 300 mi.	4th Zone 300 to 600 mi.	5th Zone 600 to 1000 mi.	6th Zone 1000 to 1400 mi.	7th Zone 1400 to 1800 mi.	8th Zone Over 1800 mi.
2	\$0.24	\$0.33	\$0.35	\$0.39	\$0.45	\$0.51	\$0.58	\$0.64
3	.26	.38	.41	.47	.55	.64	.74	.83
4	.28	.43	.47	.55	.65	.77	.90	1.02
5	.30	.48	.53	.63	.75	.90	1.06	1.21
6	.32	.53	.59	.70	.85	1.03	1.22	1.40
7	.34	.58	.65	.77	.95	1.16	1.38	1.59
8	.36	.63	.71	.84	1.05	1.29	1.54	1.78
9	.38	.68	.77	.91	1.15	1.42	1.70	1.97
10	.40	.73	.83	.98	1.25	1.55	1.86	2.16
11	.42	.77	.89	1.05	1.35	1.67	2.02	2.34
12	.44	.81	.95	1.12	1.45	1.79	2.18	2.52
13	.46	.85	1.01	1.19	1.55	1.91	2.34	2.70
14	.48	.89	1.07	1.26	1.65	2.03	2.50	2.88
15	.50	.93	1.13	1.33	1.75	2.15	2.66	3.06
16	.52	.97	1.18	1.40	1.85	2.27	2.81	3.24
17	.54	1.01	1.23	1.47	1.95	2.39	2.96	3.42
18	.56	1.05	1.28	1.54	2.05	2.51	3.11	3.60
19	.58	1.09	1.33	1.61	2.15	2.63	3.26	3.78
20	.60	1.13	1.38	1.68	2.25	2.75	3.41	3.96
21	.62	1.17	1.43	1.75	2.34	2.87	3.56	4.14
For Each Extra Lb.	Add 2¢	Add 4¢	Add 5¢	Add 7¢	Add 9¢	Add 12¢	Add 15¢	Add 18¢

Over 20 pounds shipped express or truck. See below.

TRUCK AND RAIL FREIGHT: Freight is the cheapest form of transportation on the heavier shipments. The approximate truck freight charges shown below will differ in various sections of the country. Freight charges are collected on delivery.

HOW TO ESTIMATE TRUCK FREIGHT CHARGES

Minimum Charge 100 Lbs.	Maximum Distance in Miles							
	50	150	300	500	750	1000	1500	2250
4.41	4.41	4.68	4.91	5.94	6.46	8.38	9.83	
150 Lbs.	4.41	4.41	4.68	5.12	6.24	6.88	12.57	14.76
200 Lbs.	4.41	4.84	6.18	6.82	8.32	9.18	16.76	19.68
For each Extra Lb.	2¢	3¢	3¢	4¢	4¢	5¢	8¢	10¢

EXPRESS: Please remit full amount for merchandise, but do not send any money for express charges with your order. Shipping charges are collected on delivery at no extra cost to you. All "U" and "Z" items (see column at left) are usually shipped by express.

HOW TO ESTIMATE EXPRESS CHARGES

(Rates are about 10% higher to eastern states.)

Weight in Pounds	Mileage							
	50	150	300	500	750	1000	1500	2250
5	2.87	2.93	3.02	3.14	3.20	3.26	3.33	3.40
10	2.95	3.11	3.30	3.53	3.66	3.76	4.10	4.33
15	3.05	3.30	3.57	3.90	4.11	4.27	4.78	5.27
20	3.15	3.48	3.85	4.30	4.36	4.78	5.47	6.21
25	3.26	3.56	4.11	4.59	5.04	5.30	6.14	7.14
35	3.45	4.03	4.68	5.47	5.74	6.30	7.50	9.01
45	3.63	4.38	5.23	6.24	6.87	7.32	8.86	10.91
55	3.83	4.76	5.77	7.02	7.77	8.33	10.21	12.79
70	4.13	5.31	6.58	8.17	9.14	9.87	12.25	15.59
80	4.35	5.68	6.95	8.95	10.15	10.87	13.61	17.39
For each 100 Lbs.	4.76	6.39	8.25	10.52	11.87	12.91	16.34	21.23

AIR SHIPMENTS: We will ship your order by Air Parcel Post, Air Express or Air Freight if you instruct us to do so. Air Parcel Post rates are given below. Consult your local express office for Air Express charges, and your nearest commercial airport office for Air Freight rates. Air freight and air express charges are collected on delivery. Air Parcel Post size and weight limits are 70 lbs. and 100", length and girth combined.

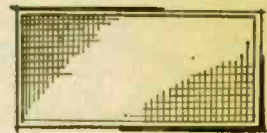
AIR PARCEL POST RATES

(7c per ounce, up to 8 ounces)

ZONES	1, 2 & 3	4	5	6	7	8	U. S. Territories, Possessions and APO & FPO Addresses, 80c per lb.
1st Lb.	60c	65c	70c	75c	75c	80c	
For Each Extra Lb.	Add 48¢	Add 50¢	Add 56¢	Add 64¢	Add 72¢	Add 80¢	

at **ALLIED** you get the most for your money

IN THRILLING, TRUE STEREO HIGH-FIDELITY



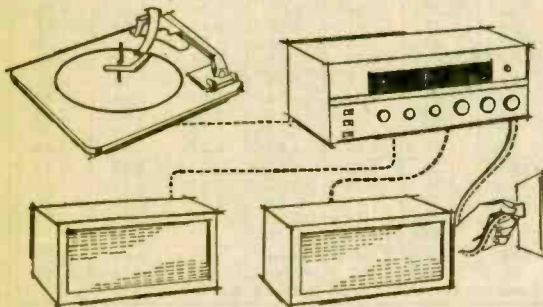
only **HIGH-FIDELITY COMPONENTS** can bring you these advantages:

Better Sound for Your Money. Hi-fi components are designed and built by specialized manufacturers whose primary interest is the creation of fine audio instruments.

More Flexibility. Compact in size, hi-fi components can be placed anywhere . . . in any room, on shelves, in "built-ins", or your own choice of attractive hi-fi cabinetry.

Acoustically Designed Speaker Enclosures. You get genuine hi-fi speaker enclosures, acoustically designed to produce rich, natural sound—approved designs are always used. These include bass reflex, folded horn, infinite baffle and ducted port types, plus the popular high-compliance types. The sound you get is truly superior.

COMPONENTS ARE EASY TO CONNECT—THEY JUST PLUG IN!



It's easy to assemble an Allied true stereo high-fidelity system in your own home. No technical knowledge is required—no special tools are needed. You just plug the record changer connectors into the receptacles on the amplifier—they are clearly identified for utmost convenience. Connect the speakers to the amplifier terminals—two 15-foot speaker cables are included with each system, each channel is identified so you can't make a mistake. Plug the amplifier into an AC outlet and you're ready to sit back and enjoy the magnificent sound from your Allied stereo high-fidelity system. And remember—with a component high-fidelity system you can add a tape deck or tuner any time you wish.

THIS IS STEREO SOUND

The ultimate in musical realism is stereo hi-fi. Stereo is actually 2-channel sound; that is, two microphones are used to make two simultaneous recordings—one from each side of the performing group. Each of these channels of sound is then applied to records, tapes or broadcasts. On records, a separate channel of sound

is put on each side of a V-shaped record groove. On tapes, each channel of sound is recorded on a separate portion of the tape width. And in stereo radio broadcasts, these two channels of sound are transmitted over the air from a single FM station, to bring you our newest source of stereo music—stereo multiplex FM broadcasts.

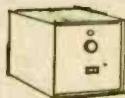
IT'S EASY TO ADD FM STEREO MULTIPLEX TO YOUR HI-FI SYSTEM

The "magic" of stereo FM multiplex has improved the quality of radio broadcasts to a level of realism that has to be heard to be believed. Stereo FM multiplex trans-

mission is in use by stations all over the country and no stereo high-fidelity music system is really complete until it includes provisions for reception of stereo FM.



Stereo FM Multiplex Tuner



Stereo FM Multiplex Adapter

IF YOU NOW HAVE A STEREO PHONO SYSTEM

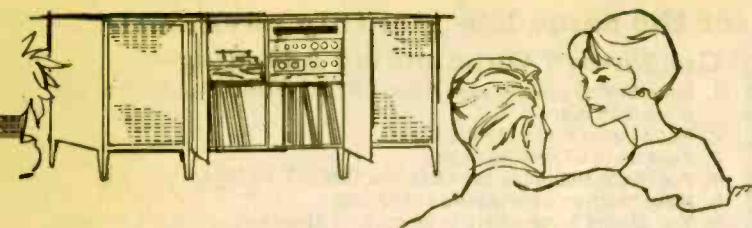
If you already have a high-fidelity stereo phono system, you can increase your listening enjoyment immensely by adding an FM Stereo Multiplex Tuner. Tuners are now available with built-in facilities for separating the composite two-channel (multiplex) signal broadcast by multiplex FM stations. These tuners have a dual output cable that simply plugs in to the receptacles labelled "Tuner" on the back of your stereo amplifier.

IF YOU NOW HAVE A STEREO PHONO SYSTEM WITH A MONAURAL FM TUNER

If your present system includes a stereo amplifier and a monaural FM tuner, you can convert to stereo FM multiplex by simply adding a multiplex adapter. Most late model FM tuners have a receptacle for plugging in an adapter. If your FM tuner does not, one can easily and economically be installed by our service technician. The dual output of the adapter plugs in to the "Tuner" receptacles on your stereo amplifier.

SHOULD YOU REQUIRE ANY ASSISTANCE IN DETERMINING YOUR STEREO HI-FI NEEDS

Allied offers free, expert consulting service. Our audio specialists are glad to answer any questions on high fidelity. If you desire any assistance when choosing a complete music system or any individual component to add to your present system, feel free to write to Allied's Audio Division. Why not take advantage of this free, personal and friendly high-fidelity consulting service?



**ALLIED makes it easy for you to select
a stereo hi-fi system at greatest savings**

SELECT YOUR OWN SYSTEM—GET OUR SPECIAL PRICE

Study the pages on which individual hi-fi components are described—make a list of the units you prefer—then just write to our Audio Division asking for a special System Plan price quotation. Our audio consultants will review every customer-selected system for proper matching of components (speakers correctly matched to enclosures, etc.), to assure you of peak performance. You can count on a prompt reply to your quotation request—and with any system you select, you get these FREE extras—all connecting and speaker cables, instruction manuals, needle and record care booklet, and preset stylus pressure to match the cartridge you select.

SELECT AN ALLIED-RECOMMENDED MUSIC SYSTEM

You'll find many excellent systems listed in this catalog, made up of components that are carefully matched in quality and operating characteristics. Pay particular attention to the new Knight systems, and do-it-yourself Knight-Kit systems. They're selected to give you unprecedented quality in music reproduction at lowest cost.

SELECT FROM THE WORLD'S LARGEST STOCKS

This catalog presents *everything in high-fidelity*—amplifiers, tuners, speakers, record changers, turntables, cartridges, tape recorders, etc. Biggest selections of famous standard-brand components, and hard-to-get accessories, too—all are included here in a wide range of prices, always in stock, ready for prompt shipment to you.

**We Sell More Stereo Hi-Fi Than Anyone Else in the World
... Because We Give You Every Buying Advantage**

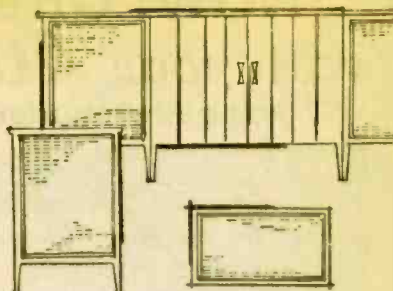
Lowest, Money-Saving Prices ... on all hi-fi components; special savings on our matched music systems and on Knight and Knight-Kit products.
World's Largest Selection ... of everything in hi-fi, in stock ready for prompt shipment to you.

Expert Counseling Service. Our audio specialists will be glad to answer any question you may have on high-fidelity. For assistance in choosing a hi-fi music system to fit your taste and budget, write to Allied's Audio Division. All inquiries promptly answered.

HOME TRIAL PLAN For Your Complete Satisfaction

Buy any hi-fi component or system on cash terms or on our Credit Fund Plan. Then check performance in your own home. If you are not fully satisfied with your purchase for any reason, return the equipment to us. We will refund the full purchase price.

Complete Warranties. All hi-fi components sold by Allied are covered by standard manufacturers' warranties and Allied's own warranties on Knight and Knight-Kit products. In addition, you are protected by Allied's guarantee of complete satisfaction or your money back. We have expert servicing facilities for everything you buy.



**WORLD'S LARGEST
SELECTION OF
CRAFTSMAN-CREATED
HI-FI CABINETS
AT LOWEST PRICES**

An outstanding selection of fine furniture in styles and finishes to match any decorative scheme—in price ranges to suit any budget. Make it a point to check Allied's superb array of hi-fi furniture. You'll find matching ensembles of unusual beauty and individual pieces in a complete range of furniture modes.

 **KNIGHT** and

knight-kit

**STEREO HI-FI SYSTEMS
AND EQUIPMENT
ARE YOUR BEST BUYS**



Incorporating the best of the latest electronic developments, and custom-built of the finest quality components, Allied's own Knight components are renowned as the greatest hi-fi values anywhere. All Knight units carry an unconditional guarantee covering parts and labor for one full year. Allied brings you famous Knight-Kits too—an outstanding selection of superior hi-fi components in build-your-own form. See pages 2 and 3 in this catalog for the complete Knight-Kit story.

NOW! GREATER BUYING POWER with your **ALLIED** CREDIT FUND PLAN you get even more for the same low monthly payment!

New Lower Terms—
Greater Buying Power
than ever with your

ALLIED

CREDIT FUND PLAN

NEW EXTRA BUYING POWER LIKE
THIS: FOR ONLY \$5 MONTHLY
YOU CAN BUY UP TO \$100

Credit Fund Payment Table

Monthly Payment	Unpaid Balance (Total amount less any payment)
Only	Buys Up To
\$5	\$100
\$6	\$120
\$7	\$140
\$8	\$160
\$9	\$180
\$10	\$200
\$11	\$220
\$12	\$240
\$13	\$260
\$14	\$280
\$15	\$310
\$16	\$340
\$17	\$370
\$18	\$400
\$19	\$440
\$20	\$480
\$21	\$500
\$22	\$525
\$23	\$550
\$24	\$575
\$25	\$600
\$26	\$625

Over \$625—Monthly payments will be in proportion to amounts on chart.

Small Service Charge. Only a small service charge of 1½% is added to your monthly balance. There are no other charges. Your monthly statement shows exactly what you pay, what you owe and how much unused credit you have.

Get These 7 Outstanding Advantages

1. More buying power—your Allied CREDIT FUND PLAN gives you more than ever
2. Not a penny down required
3. Take up to 24 months to pay
4. A definite amount is set aside in a CREDIT FUND for your use
5. Make "add-on" purchases at any time
6. You always know where your account stands—you get a full statement each month
7. Your CREDIT FUND automatically increases every time you make a payment

Plus Benefits: A single low monthly payment brings you anything Allied sells. You save money, because all you pay is a small monthly service charge, which is automatically reduced every time you make a payment. No service charge at all if paid in 30 days.

Here's How the Allied CREDIT FUND Works: When you first open an Allied CREDIT FUND account, we set up a Credit Fund in your name. It allows you a definite amount which we set aside in a Fund for your use. Buy anything you want without a penny down—covers "add-ons," too.

You always know exactly how much more credit is available to you. Under the CREDIT FUND Plan, you can actually enjoy more buying power than ever before possible for the same low monthly payment. Example: For a monthly payment of only \$20.00 you can now buy in the amount of \$480.00 as compared to \$400.00 under the old regular terms.

To Open Your Account. To enjoy the advantages of an Allied CREDIT FUND, fill in the application on the back of our order blank, and send it in with your order.

No Down Payment Required

No down payment is required on any purchase you make on your Allied Credit Fund Plan. You can use all or any portion of the amount in your Fund. Your monthly payments depend on the amount you use (see Table at left).

Each time you buy, you draw against your Fund, but each payment you make goes toward building up *more and more* credit. This means you can "add-on" new orders at any time.

Only Your Signature on "Add-On" Orders. You can "add-on" orders at any time for the unused amount in your fund with no money down. Just sign your order in the space provided. You may determine your monthly payment in the following way:

1. Combine amount of your "add-on" order with your present unpaid balance.
2. See Table at left to find proper monthly payment for new unpaid balance.
3. If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment will be required.
4. If monthly payment for your "add-on" order, plus your present unpaid balance is more than you currently pay, we will show the new monthly payment on your next statement.

Simplest, Easiest Plan. Because you get a detailed personal statement each month, you don't have to bother with bookkeeping. You can check accuracy in seconds. Because all shipping charges are prepaid and included in your account, there's nothing to figure. Your Credit Fund Plan is the last word in low-cost convenience.

enjoy everything you need and
want in electronics . . . today!

ALLIED EXTRA-SPECIAL VALUES!

Bonus Buys for Old-Time Friends...

Get-Acquainted Specials for New Customers

BE IN ON THE BIG SAVINGS! Make it a point to check all of the extra-special values you'll find in this folder—it's our way of saying, "Welcome"! We want you to experience the satisfaction, service and savings you always get as an Allied customer. Choose from the amazing values described here—in addition to the thousands of money-saving items you'll see in your regular Allied Catalog. It's a terrific opportunity!



**ORDER NOW . . . AS AN ALLIED CUSTOMER
YOU'LL GET A FULL YEAR OF
EXCITING BARGAIN SALESBOOKS!**

8" PM Speaker Value



2.15-oz.
Magnet

Reg. \$2.30

Only

\$1.98

Enriches bass response of radio, phono, or your TV set. Imp., 3.2 ohms. Wt., 1½ lbs.

39 A 458-J ONLY 1.98

Pickering Stereo Cartridge

SAVE MORE THAN HALF!



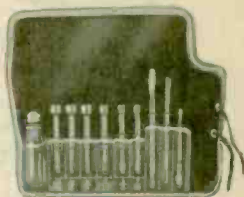
Famous Model 371C

Was \$24.00 **\$7.79**
Now Only

High-performance — response, ±2 db from 18-22,000 cps. Diamond .0007" stylus. 2 oz.

73 RC 912-J ONLY 7.79

10-Piece Driver Set



Now **\$1.29**
Only

Multi-purpose tool set—6 nut driver, 3 screwdriver blades; handle, roll case. 1 lb.

46 N 463-J Was \$1.69. . . 1.29

¼" Quality Phone Jack



Open
Circuit

3 for 30¢

Popular 2-cond. type .6 oz.

39 A 495-J. Pkg. of 3. ONLY 30c

Save on Pocket-Size VOM

- 20,000 Ohms/Volt, DC Sensitivity **\$9.95**
- 10,000 Ohms/V., AC

Ranges (5): AC, 0-1000 v.; DC, 0-500 v.; Ohms, 0-5K-500K; DC, 0-50 ua, 0-250 ma. With battery, leads. 5½ x 3¼ x 1½". From Japan. 1 lb.

39 A 496-J ONLY 9.95



DOZENS OF TREMENDOUS SPECIAL BUYS

ONLY AT ALLIED—AMAZING BUYS LIKE THESE!



**Great 6-Transistor
Pocket Radio Value**

Only **\$9⁹⁵**

- 6 Transistors plus Diode and Thermistor Circuit
- Fits in Pocket or Purse
- With All Accessories

Enjoy up-to-the-minute AM broadcasts. Features: crisp sounding 2" speaker; reliable thumbwheel controls for volume/off-on and tuning. With leather case, earphone, battery. 3 $\frac{1}{2}$ "x2 $\frac{1}{4}$ "x1 $\frac{1}{8}$ ". 1 $\frac{1}{4}$ lbs.

24 SC 046 J. **ONLY 9.95**

From Japan

6x9" Oval PM Speaker Bu

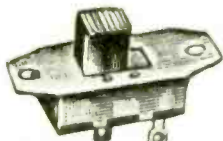


Reg. \$2.30 **\$1⁹⁸**
Now Only

For universal replacement use on all new equipment. 1.47-oz. magnet separate whizzer for clear highs Imp., 3.2 ohms. 1 $\frac{1}{4}$ lbs.

58 A 441-J. **ONLY 1.98**

Assorted Slide Switches



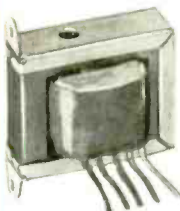
15 for **\$1²⁹**

SPECIAL PURCHASE

Quality switches at less than 9c apiece! Package includes 9c SPST, SPDT, DPST and DPDT types rated to 3 amps. U.L. Approved. 8 oz.

39 A 360-J. Pkg. of 15. **ONLY 1.29**

Filament Autotransformer



Only **98^c**

Great for the
Hobbyist and
Serviceman

AT A LOW, LOW PRICE

Transformer with Primary for 117 VAC; Secondary: 6.3 v. @ 1 amp, 12 v. @ .5 amps, 18 v. @ .3 amps. Size: 1 $\frac{15}{16}$ "x2 $\frac{3}{4}$ "x2". Wt., 1 lb.

39 A 295-J. **ONLY 98c**

Assorted Hook-Up Wire

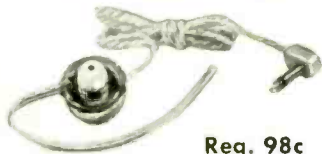


6 ^{-25'} Coils for **49^c**

Get all you need, now! High-efficiency stranded copper wire—tinned and untinned. Assorted colors, gauges and insulation. 1 lb

39 A 497-J. 6 Coils. **ONLY 49c**

**Top-Quality Earphone
Complete with Plug**



Reg. 98c

Now Only **59^c**

Value-Plus! Comfortably fitting earpiece, supplied with 36" cord, phone plug. Response, 50-5000 cps. 500-3K ohms impedance. Fits most transistor portable radios. From Japan. Wt., 5 oz.

39 A 498-J. **ONLY 59c**

**Tube Cooling Motor
with Fan**



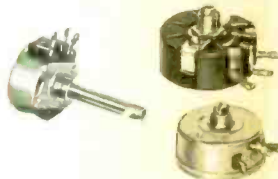
Only

Special Bargain **\$1⁹⁸**
Price

Well known Thor-Speedway motor and fan. Extends tube life and permits improved shielding. Great value for the Experimenter, tool Runs at 3210 rpm, N.L. $\frac{1}{2}$ "x2 $\frac{1}{2}$ "x2 $\frac{1}{8}$ ". For 115 v., 60 cycle AC. 1 $\frac{1}{4}$ lbs.

39 A 480-J. **ONLY 1.98**

Assorted Controls Buy



6 for **98^c**

Radio-TV servicemen, builders, and Hams—stock up now! A top-value—6 wirewound controls at an amazingly low price. 1 each (ohms): 500, 750, 1000, plus 3 other popular types. Wt., 4 oz.

39 A 493-J. Pkg. of 6. **ONLY 98c**

MORE **ALLIED** EXTRA-SPECIAL VALUES!

(See the Preceding 5 Bargain-Packed Pages)



Sensational Stereo Demonstration Record Package of Three 33-1/3- 12" LP's

3 for \$3.29

Check-out your stereo music system with these carefully planned test records . . . and enjoy a thrilling demonstration of superb stereo music recordings!

Allied's own 3-record package critically selected by our audio engineers to test every separate aspect and total performance of your stereo music system, easily and accurately. First record lets you make a complete check of equipment, and gives instructions for proper set-up. Second record demonstrates spectacular ability of stereo recordings to reproduce life-like sound: airplanes of all types, automobiles, etc. Third record contains musical passages to show the full-dimensional, breathtaking sound achievable by your system. Shpg. wt., 2 lbs. Package of 3—12" LP's—at Special Bargain Price—order Stock No.

26 RR 009-J. Mfr's. No. CSDT . . . ONLY 3.29

Bargain Assortment of Most-Used Terminals



25 for 34c

Bakelite strips, 3/8" wide. Lug and solder types.

58 A 580-J. Package of 25. Wt., 3 oz. ONLY 34c

Save on Rubber-Handle Plugs



3 for 19c

Sturdy plugs made of unbreakable, soft rubber. Simple to connect. 6 oz.

39 A 494-J. 3 for 19c



4" PM Replacement Speaker Value

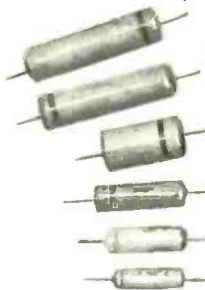
Reg. \$1.13

Only **98c**

Features precision centered voice coil and .68-oz. magnet. Imp., 3.2 ohms. 1/2 lb.

58 A 419-J. ONLY 98c

50-Piece Paper Capacitor Assortment



100-600 WVDC Tubulars in Popular Values

50 for 98c

All are U.S.-made, wax-impregnated capacitors. Wide variety of capacity values, sizes. 12 oz.

39 A 442-J. 50 for ONLY 98c

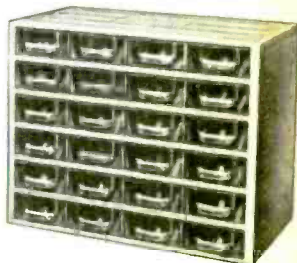
24-Drawer All-Steel Cabinet

UNION U-24

Only

\$4.95

Plastic Drawers



Rugged, heavy-gauge welded "Stackmaster" cabinet. Has high-impact plastic, partitioned drawers, each 1 1/4 x 2 3/4 x 5 1/4". Cabinet is 11 x 12 1/2 x 6". 9 lbs.

86 NX 783-J. Was \$5.50 NOW ONLY 4.95

ALLIED RADIO CORPORATION

100 N. WESTERN AVENUE, CHICAGO 80, ILLINOIS



9-Volt Transistor Radio Batteries

Top Quality • Longer Life

3 for 59c

An outstanding bargain! Fit most portable transistor radios. Replace Burgess 2U6, RCA VS323, Eveready 216, Zenith Z216, Neda and Ray-O-Vac 1604, others. From Japan. Pkg. of 3, 6 oz.

55 J147-J. 3 FOR ONLY 59c

Unbeatable 5" PM Speaker Value



SAVE OVER ONE-FOURTH

Reg. \$1.30 **98c**
Now Only

5" speaker ruggedly built to EIA dimensions; rigid frame. Fully dust-proofed. Magnet, .68-oz. Imp., 3.2 ohms. 12 oz.
39 A 438-J. ONLY 98c

Audio Cable at Special Bargain Price



No hi-fi system owner ever has enough of these! Shielded cable assembly has molded phono pin plug at each end. No soldering, no wiring—just plug in and use. Here's your chance to load up now! Shpg. wt. 36" cable, 8 oz.; 18" cable, 4 oz.

39A 484-J. 36" Cable. ONLY 39c
39 A 483-J. 18" Cable. ONLY 29c

36" Cable Only 39c

18" Cable Only 29c

High-Fidelity Stereo Headphones

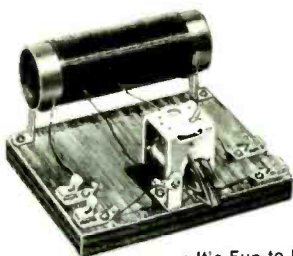


From Japan

Only **\$9.95**

Maximum comfort—air-cushioned headband, rubber earpieces. 30-15,000 cps. 8-ohms/phone. With cables, 3-cond. plug. 2 lbs.
59 D 064-J 9.95

Famous Knight-Kit Crystal Set Kit



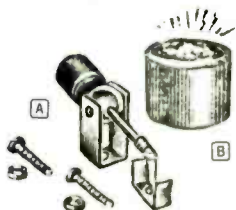
Only **\$2.95**

- It's Fun to Build—Fun to Use!
- Amazingly Clear Reception

Let some beginner get their start in electronics! Kit includes: all parts, pre-set crystal, wire, solder, baseboard. Less headphone, antenna.

83 Y 261-J. Shpg. wt., 1 lb. ONLY **2.95**
83 Y 028-J. 1000-Ohm Headphone. 1 1/4 lbs. ONLY **1.07**
83 Y 025-J. Antenna Kit. 1 1/2 lbs. ONLY **1.03**

Popular Accessories for Crystal Sets



90 S 536-J. Detector Mount Kit. Fig. A. Crystal holder, cat-whisker and hardware. Less crystal. 3 oz. **18c**

89 S 948-J. Mounted Economy Crystal. Fig. B. Genuine Galena crystal; in lead housing. 2 oz. **7c**

90 S 395-J. Meter-Tested Crystal. Not illus. 3 oz. **15c**



Ceramic Disc Capacitors

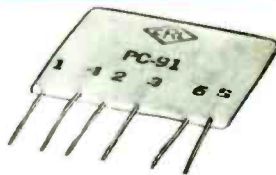
25 for 98c

What a buy—25 precision-made disc ceramics! Capacities from 5 to 1000 mmf; WVDC from 600-5000 v. 4 oz.

39 A 001-J. Package of 25 ONLY **98c**

Centralab PC-91 Printed Circuits

3 for 39c
Reg. \$2.70

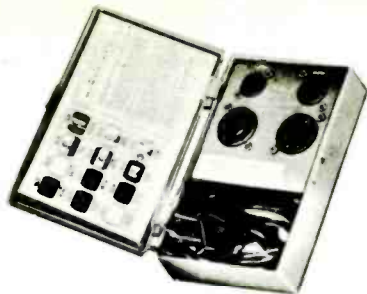


A complete pentode couplate PC—with resistors, capacitors and inductors bound to ceramic base. Wt., 6 oz.

39 A 566-J. Package of 3 ONLY **39c**

Handy Tube and Continuity Checker

Only
\$1.69



Amazingly low priced! You can use this compact tester to quickly check radio-TV tubes; test continuity of coils, appliances, etc. With leads. For 110-120 v., 50-60 cycle AC. Shpg. wt., 1 lb.

39 A 499-J. List, \$4.95. **ONLY 1.69**

Famous-Name Brand Recording Special

As Low

\$1.50
EACH

12-Lot



Stock up now—Every 7" reel of fi. "Mylar" tape anteed splice-and uniformly st live. Shpg. wt., 1 1/4 lb. **39 R 889-J. 1-11, EACH 1.78 1; More, EACH 1**

2-LB. Box Hardware Assortment



Only
88c

A bargain box of screws, rivets, nuts, rubber grommets, eyelets, etc. Wt., 2 1/2 lbs.

39 A 328-J. 2-lb. Box. **ONLY 88c**

2-LB. Bargain Box of Washers



Only **69c**

A top buy for shop or home. Popular assortment—all sizes. 2 1/2 lbs.

39 A 398-J. **69c**

Wide Assortment of Tubular Capacitors



20 for 98c

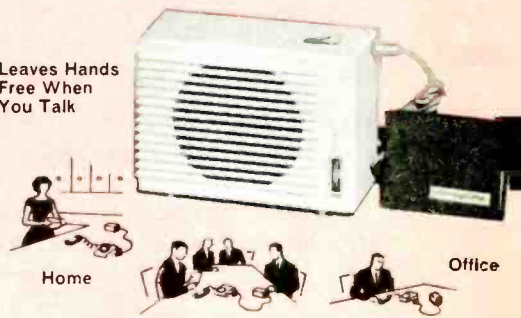
WVDC
100-600

Plastic-molded, ceramic-cased. Popular values.

39 A 386-J. Pkg. of 20. Wt., 10 oz. **ONLY 98c**

"Phone-Talk" Telephone Amplifier

Leaves Hands
Free When
You Talk



Home

Meetings

Office

- Portable, Battery-Operated
- Fully Transistorized
- Has Battery-Saver Switch

Only
\$8.95

Lets you listen to your telephone from any part of the room. Ideal for conferences; in the home—any number of people can listen in on one phone—leaves hands free. Has volume control and battery saver switch. Black and white plastic case. 4 1/4 x 4 1/4 x 2 1/4". With 9-v. battery. From Japan. Wt., 2 lbs.

58 R 143-J. List, \$14.95. **ONLY 8.95**

Pack of 12 Assorted Power Resistors



12 for 98c

WIREWOUND TYPES

Top-quality resistors in assorted values: 16-ohm, 10-watt; 47-ohm, 5-watt; 2000-ohm, 7-watt; 7K-ohm, 10-watt; 10K-ohm, 4-watt; plus 7 others. 1 lb.

39 A 488-J. Package of 12. **ONLY 98c**

Tape
July!

As

**KEY-SAVING
& GOOD WITH
ORDERS FOR
knight-kits®**

Discover the real excitement of electronics
with the world's finest do-it-yourself

knight-kits

SEE PAGES 1 THROUGH 68 OF THIS CATALOG

Specially designed to make you a kit-building expert even with no previous experience—each Knight-Kit comes to you in perfect order, and there's nothing else to buy, not even solder! Save money, have fun and enjoy professional performance with Knight-Kits. Save by doing the easy assembly yourself. Have fun as you learn about electronics. Enjoy professional performance from equipment expertly engineered. A favorite among hi-fi enthusiasts, radio Amateurs, technicians, and hobbyists—you, too, can always look to Knight-Kit for the newest and best!

USE THESE COUPONS TO SAVE EVEN MORE!

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**THIS VALUABLE SPECIAL COUPON ENTITLES YOU TO
BIG SAVINGS ON THIS FINE KIT-BUILDING TOOL
WITH YOUR PURCHASE OF ANY *knight-kit***

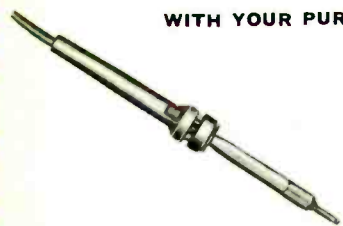
FAMOUS WEN SOLDERING GUN
REGULAR \$4.66 VALUE! Rated at 100 watts.
Perfect for general soldering applications.
Just check box below and specify Stock No.
83 Y 055-J on your order blank.
 Include BONUS BUY Weni Soldering Gun.



Only
\$2.98 with your
kit order

CLIP COUPON AND SEND IN WITH YOUR KNIGHT-KIT ORDER

**THIS VALUABLE SPECIAL COUPON ENTITLES YOU TO
BIG SAVINGS ON THIS FINE KIT-BUILDING TOOL
WITH YOUR PURCHASE OF ANY *knight-kit***



Only
98c
with your
kit order

WALL SOLDERING IRON
REGULAR \$1.98 VALUE! Pencil-
type 8" iron. Lightweight. Just
check box below and specify Stock
No. 83 Y 638 -J on order blank.
 Include BONUS BUY Wall Iron.

CLIP COUPON AND SEND IN WITH YOUR KNIGHT-KIT ORDER

Garrard

ALLIED 1¢ SALE

SAVE UP TO \$46.49

ON BRAND-NAME STEREO CARTRIDGES

Get a Cartridge for Just
1¢ more when you buy a

Garrard

CHANGER

MADE IN GREAT BRITAIN



SAVE UP TO \$46.49
Changer PLUS Any One
Cartridge for Just 1¢ More



Type "A" and
CARTRIDGE
\$79⁵¹
Type "A"
\$79⁵⁰

"A" AUTOMATIC TURNTABLE AND CARTRIDGE

Finest of the Garrard changers! Combines professional turntable performance with 4-speed automatic record-changer convenience. Dynamically balanced, 6-lb. cast turntable; manual-automatic switch; laboratory balanced motor; smooth pusher-type changer mechanism; precision pickup arm with built-in stylus pressure gauge. 16x13¼"; requires 2¾" below, 6" above motor board. Less base. For 100-130 v., 60 cycle AC. Wt., 19 lbs. \$5 Monthly.

20 RX 362-2. Type "A" and Choice of Cartridge... **79.51**
73 RX 052. Type "A" Only... **NET 79.50**

- Purchased Separately**
- [A] EMPIRE 880. .0007" diamond stylus. Wt., 3 oz.
73 RC 902. **NET 42.50**
 - [B] SHURE M3D. .0007" diamond stylus. Shpg. wt., 3 oz.
73 RC 900. **NET 44.10**
 - [C] PICKERING U38AT. .0007" diamond stylus. Wt., 3 oz.
73 RC 901. **NET 46.50**
 - [D] KNIGHT KN-505X. .0006" diamond stylus. Wt., 3 oz.
95 RC 806. **NET 39.95**



AT6 and
CARTRIDGE
\$54⁵¹
AT6
\$54⁵⁰

AT6 AUTOMATIC TURNTABLE, CARTRIDGE

Designed in the spirit of the Type "A," the 4-speed AT6 offers professional performance in a somewhat smaller unit. Tubular pickup arm has adjustable counterweight for perfect balance with any cartridge, plus built-in gram scale. Also: oversize turntable for precise speed; switch for manual or full automatic operation. 14½x12½"; requires 2¾" below, 4½" above motor board. Less base. For 100-130 v., 60 cycle AC. Wt., 12 lbs. \$5 Monthly.

20 RX 363-2. AT6 and Choice of Cartridge... **54.51**
73 RX 053. AT6 Only... **NET 54.50**



Autoslim/P
and
CARTRIDGE
\$39⁵¹
Autoslim/P
\$39⁵⁰

AUTOSLIM/P CHANGER AND CARTRIDGE

Offering even better performance for '63, the improved Autoslim sports a new, turntable-type tubular pickup arm with plug-in head. Changer intermixes all records of the same speed regardless of size or sequence. 6¼x13¼x12½"; requires 2¾" below, 4½" above motor board. Less base. For 110-130 v., 60 cycle AC. 9 lbs. \$5 Monthly.

20 RX 364-2. Autoslim/P and Choice of Cartridge. **39.51**
73 RX 054. Autoslim/P Only... **NET 39.50**





knight-kit[®] Presents the **KU-45 "Audio Center" Kit in a Complete Stereo Phono, Stereo Multiplex FM, AM Hi-Fi System**

SAVE \$58.67
on the complete system

Only
\$289⁹⁵

\$15 Monthly

- Knight-Kit KU-45 32-Watt Stereo MX FM-AM Receiver
- Garrard AT6 Changer and Base Plus Plastic Cover
- Two Knight KN-820 12" Speakers and Two Knight KN-1286 Walnut Speaker Enclosures
- Knight KN-505X Cartridge

For More on the KU-45
Turn to page 4 of this catalog for specifications.

A compact, distinctively styled, money-saving stereo hi-fi system that brings you a full 32 watts of audio power . . . the brilliant artistry of stereo records . . . the dazzling beauty and versatility of both stereo and conventional FM . . . plus the music, news and sports you enjoy on AM. What's more, it's complete with everything included. There's nothing else to buy.

Assembly of the KU-45 is fun, even if you have no kit-building experience. Point-to-point wiring is simplicity itself—and as a further convenience, we have pre-wired and aligned the FM "front end". KU-45 highlights: 32-watt stereo amplifier, wideband FM, and sensitive AM sections; built-in multiplex circuit; AFC for "lock-in" FM tuning; tape head inputs; recording outputs; and Dynamic Sideband Regulation that reduces the effects of FM over-modulation. You also receive an oiled walnut case for the KU-45.

AT6 record changer (with oiled walnut base and plastic cover) offers professional features to match the breathtaking 15-30,000 cps response of Knight's newest cartridge, the KN-505X. Expertly crafted KN-1286 shelf-type enclosures with oiled walnut veneer are a fine furniture addition to your home. Their vented-port design enhances the solid bass response of the Knight KN-820 dual-cone 12" speakers. Shpg. wt. 134 lbs.

22 HF 001-J. \$15 Monthly ONLY 289.95

22 HF 002-J. Stereo FM-AM System Only. As above, but less changer, base and cartridge. 118 lbs. \$12 Monthly ONLY 229.95

KU-45 32-WATT STEREO RECEIVER KIT ONLY. Distinctively styled in anodized Satin Gold and Mocha. With all parts, pre-cut wire, solder, and easy step-by-step instructions. Less case. 4 $\frac{3}{4}$ x16 $\frac{7}{16}$ x13" deep. For 110-125 volts, 60 cycle AC. Shpg. wt., 39 lbs.

83 YU 993-J. \$7 Monthly ONLY 139.95