

RADIO

SHACK

1961

ELECTRONIC
HI-FI & HOBBY
SALE CATALOG
MAIL ORDER
CATALOG No. 98

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HOW TO ORDER, PAGE 189

NOW 4 LOCATIONS
BOSTON, MASSACHUSETTS
BROOKLINE, MASSACHUSETTS
NEW HAVEN, CONNECTICUT
STAMFORD, CONNECTICUT

NEW
EASY
BUDGET
SEE PAGE 3
PLAN!



Page after page of
bargains like this!

**ALL Transistor
POCKET RADIO**

\$888

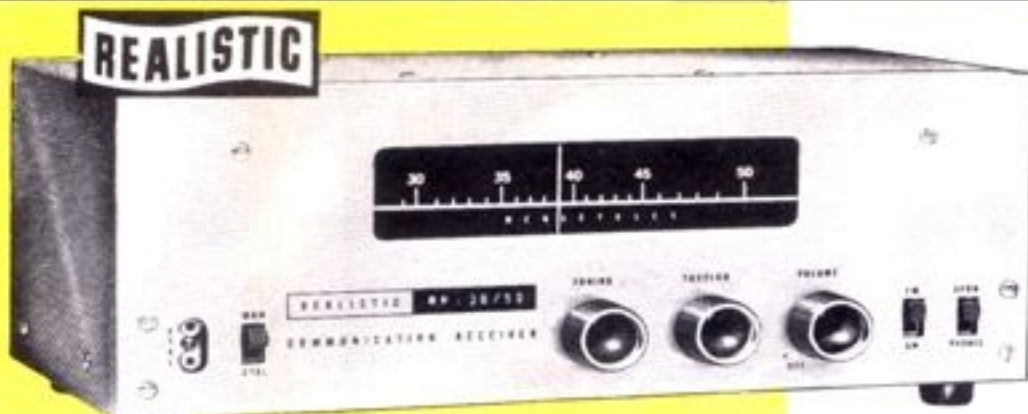
No. 90L617— Black
No. 90L616— Coral

Tiniest, best sounding, best looking radio with built-in speaker you've ever seen! Only 4 x 2½ x 1¼" in size . . . exactly 7 ounces in weight including its 59¢ 9-volt battery! Fits loosely in the smallest shirt pocket or handbag. Pulls in stations with amazing volume and clarity . . . really separates them, too! Has built-in ferrite loop antenna, built-in folding easel to hold it upright, earphone jack and smooth "stay set" volume and tuning controls in black or coral with golden trim. Ship. wt. 1 lb.

FREE! 9 volt battery.
Earphone with cord and plug.

KEEP THIS CATALOG HANDY
FOR YEAR 'ROUND SAVINGS

www.RadioShackCatalogs.com



- ★ Both AM and FM!
- ★ 10 Tube Power!
- ★ 4" PM Speaker!
- ★ Crystal Control or Tunable!
- ★ 3 IF Stages; RF Stage!
- ★ Squelch Control!
- ★ Headphone Jack!
- ★ External Amplifier Jack!

NEW POLICE

RP 3050
NEW 30 to 50MC FM/AM RECEIVER

Radio Shack proudly introduces the REALISTIC PR-3050, a superbly crafted (yet amazingly low priced!) 10-tube citizens band receiver which not only covers all frequencies between 30-50 mc on AM — but FM also! It's ideal for industrial use, but everyone will delight in its world of unusual information. You can "listen in" on every municipal activity — police, fire, forestry, buses — even telephone answering services! And with its crystal control, you can — with the proper crystal — be automatically tuned to any desired frequency between 30-50 mc!

SPECIFICATIONS: RANGE: 30-50 mc., AM-FM. **CONTROLS:** On-Off/volume, manual tuning, squelch, FM/AM switch, speaker/earphone switch, crystal/manual tuning switch. **TUNING:** Front mounting crystal or manual. **SELECTIVITY:** 3 IF stages. **GAIN:** RF stage provides maximum low noise amplification. **SQUELCH:** Quiet standby monitoring. **POWER:** 55 Watts. 105-120 VAC only. Handsome grey enamel. Ship. wt. 14 lbs.

FIRE
 FORESTRY
 BUS
 INDUSTRY
 ANSWER
 SERVICE

Nothing Like It Under \$115!

\$ 69⁹⁵

Order No. A94LX596 — Ship. wt. 14 lbs.

\$5 down, \$5 monthly

**NEW
 EASY
 BUDGET
 PLAN!**

Nothing Like It Under \$35!

**NEW DYNAMIC
 STEREO
 MIKE**
\$ 15⁹⁵



**\$2 down
 #A91L181**

- ★ Ideal for Stereo and Monaural Recording and All Mike Uses!
- ★ For Any Tape Recorder, PA or Hi-fi Amplifier!
- ★ Has 360° Pick-up!

Meet the newest, most fabulous mike of them all — Realistic's Stereo Dynamic Microphone! It completely eliminates the need of two mikes because its dynamic elements are designed and placed to obtain the best in stereo effect! Other features include a stereo/monaural switch, pickup range of 360°, impedance of 50 ohms and 50-12,000 frequency response! Ship wt. 4 lbs.

New Realistic "X-TENDER"

**DUO
 Remote
 Control
 Speaker**
\$ 3⁹⁸



NO. A90L249

Independently Controls the Volume of Both the Master Set and Its Own Speaker!

So small and compact, yet so versatile! You can use it by your side as a personal remote speaker and at the same time control the volume of the TV, radio, phono or hi-fi in another room! You can enjoy stereophonic effect by using it as an extra speaker on any sound system! Has two volume controls, 20 feet of 3-conductor cable, built-in loudspeaker. Can be used on table, desk, floor or mounted on wall. Handsomely designed custom molded cabinet. Only 3½" x 3½" x 1½". Excellent for use in hospitals, offices, factories, hotels, restaurants as well as in the home. Ship. wt. 1½ lbs.



10 BIG REASONS WHY RADIO SHACK'S

EASY BUDGET PLAN IS BEST



- 1 IT'S EASY TO OPEN AN ACCOUNT**
Just answer questions on the back of the order blank—sign and mail!
- 2 EASIEST BUDGET PAYMENTS**
Compare—no one in America gives you a better deal.
- 3 TWO BUDGET PAYMENT PLANS**
Spread your payments up to 18 months or 24 full months—your choice!
- 4 LOWEST DOWN PAYMENTS**
Check! Compare! You just won't find lower "downs" anywhere!
- 5 NO DOWN PAYMENT ON "ADD ONS"**
Just say "add this to my account" when you send in your order.
- 6 NO MINIMUM ORDERS**
Budget any, EVERY purchase. No order is too small (or too large)!
- 7 CUSTOMER-TAILORED PLANS**
On orders over \$500, we arrange special terms to suit you! Write!
- 8 "WHOLESALE LOW" NET PRICES**
We are never undersold. No need to shop around—we do it for you!
- 9 AFTER PRESS-TIME REDUCTIONS**
You get the benefits of every price reduction made after we go to press!
- 10 SATISFACTION GUARANTEED**
We've grown on customer satisfaction. You must be satisfied or you get a refund.

ENJOY ANYTHING IN THIS CATALOG NOW
NO NEED TO WAIT!

TURN TO
PAGE 189 FOR
ORDERING
DATA

RADIO SHACK'S EASY BUDGET PLAN MADE EASIER

| Cost of Goods | Down Payment | Unpaid Balance | REGULAR PLAN Up to 18 Months | | EXTENDED PLAN Up to 24 Months | |
|--------------------|----------------|----------------|---------------------------------|-----------------|--|-----------------|
| | | | Credit Charge | Monthly Payment | Credit Charge | Monthly Payment |
| Up To \$50 | \$2 Down | up to \$20 | \$ 2.00 | \$ 5.00 | *On orders over \$500, 5% down, up to 24 months to pay or write for Radio Shack's special customer-tailored budget plan. | |
| | | \$20.01-25 | 2.50 | 5.00 | | |
| | | 25.01-30 | 3.00 | 5.00 | | |
| | | 30.01-35 | 3.50 | 5.00 | | |
| | | 35.01-40 | 4.00 | 5.00 | | |
| | | 40.01-45 | 4.50 | 5.00 | | |
| | | 45.01-50 | 5.00 | 5.00 | | |
| \$50.01 To \$200 | Only \$5 Down | 50.01-60 | 6.00 | 6.00 | \$ 7.00 | \$ 5.00 |
| | | 60.01-70 | 7.00 | 7.00 | 8.00 | 5.00 |
| | | 70.01-80 | 8.00 | 8.00 | 10.00 | 5.00 |
| | | 80.01-90 | 9.00 | 8.50 | 12.00 | 5.00 |
| | | 90.01-100 | 10.00 | 9.00 | 14.00 | 6.00 |
| | | 100.01-110 | 11.00 | 9.00 | 15.00 | 6.00 |
| | | 110.01-120 | 12.00 | 10.00 | 17.00 | 7.00 |
| | | 120.01-130 | 13.00 | 10.00 | 19.00 | 7.00 |
| | | 130.01-140 | 14.00 | 11.00 | 21.00 | 7.50 |
| | | 140.01-150 | 15.00 | 11.00 | 25.00 | 7.50 |
| | | 150.01-160 | 16.00 | 12.00 | 25.00 | 8.50 |
| | | 160.01-180 | 19.00 | 13.00 | 29.00 | 9.50 |
| \$200.01 To \$500* | Only \$10 Down | 180.01-200 | 21.00 | 14.00 | 32.00 | 9.50 |
| | | 200.01-220 | 23.00 | 15.00 | 35.00 | 10.50 |
| | | 220.01-240 | 26.00 | 16.00 | 38.50 | 11.50 |
| | | 240.01-260 | 30.00 | 17.00 | 41.50 | 12.50 |
| | | 260.01-280 | 33.00 | 18.00 | 45.00 | 13.50 |
| | | 280.01-300 | 36.00 | 19.00 | 48.00 | 14.00 |
| | | 300.01-320 | 38.00 | 19.00 | 51.00 | 15.00 |
| | | 320.01-340 | 41.00 | 20.00 | 54.50 | 16.00 |
| | | 340.01-360 | 42.00 | 21.00 | 57.50 | 17.00 |
| | | 360.01-380 | 45.00 | 22.00 | 61.00 | 18.00 |
| | | 380.01-400 | 48.00 | 23.00 | 64.00 | 19.00 |
| | | 400.01-420 | 50.00 | 25.00 | 67.00 | 20.00 |
| 420.01-440 | 52.00 | 26.00 | 70.50 | 21.00 | | |
| 440.01-460 | 54.00 | 27.00 | 73.50 | 22.00 | | |
| 460.01-480 | 56.00 | 29.00 | 77.00 | 23.00 | | |
| 480.01-500 | 58.00 | 30.00 | 77.00 | 24.00 | | |
| | | | 31.00 | 80.00 | | |



Let Radio Shack Quote on the HI-FI/STEREO • PUBLIC ADDRESS • AMATEUR RADIO System of Your Choice!

August 12, 70
Radio Shack Corp.
730 Commonwealth Ave.
Boston, Mass.
Greetings:
Would you please tell
me how much a stereo
hi-fi system costs? I
would like to use a
200-watt amplifier and
a pair of 12" speakers and
a Garrard changer would
be nice.
Sincerely,
Vesta Grace
1114th Avenue
Westford, Conn.

HERE'S WHERE MASS BUYING really pays off . . . in extra savings for you. Local hi-fi shops simply cannot compete with Radio Shack when it comes to shaving dollars off complete systems. Your order gets expert attention . . . you get it when you want it . . . and you can buy now, pay later!

What is a system? In hi-fi it's a speaker/amplifier/record-player or tuner; add-ons might include cabinets and tape deck. Items you select need not be listed in this catalog—you can depend on Radio Shack to have it in stock even if it's not described herein. Save on the all-great lines in hi-fi—H. H. Scott, Harman-Kardon, Bogen, Realistic, Eico, Shure, Pickering, Rek-O-Kut, Garrard, AR, Viking and others by buying them as a system. Mail the coupon below for a quick quote you cannot duplicate in your locality.

P.S.—See \$10.00 Action-Bonus below!

- **TECHNICAL EXPERTS** will give you free advice, if requested, on the system you are considering. They are experts — not salesmen! — and you are under no obligation to buy.
- **BIG DISCOUNTS** on "packaged system" quotes await you at Radio Shack! Savings result from quantity buying and the low overhead of our Mail Order Division.
- **EASY BUDGET** terms (see Page 3) are still in effect even though system prices are 15-40% below separate prices of components added together. Yes! —you can buy "on time."
- **FREE ACCESSORIES** are included in every system you buy at Radio Shack, regardless of price. We always include cables for immediate connection and use of components.

CUT OUT, MAIL TODAY ON POSTCARD OR WITH LETTER!



RADIO SHACK CORPORATION, DEPT. C-61
730 Commonwealth Ave., Boston 17, Mass.

Attention: Hi-Fi P.A. Ham Dept. Date: _____

I am interested in: _____

PRINT NAME _____
PRINT STREET _____
PRINT TOWN _____
PRINT STATE _____

(Hams only) I want to trade: _____

BONUS:

If you buy a system from us as a result of this specific quotation, we will send you FREE our famous \$10.00 value Hi-Fi Kit which includes 12" stereo test and demo disk, stylus pressure gauge, wire, tools and other components. This is in addition to your system discount. Coupon must accompany your request for quotation in order to qualify for gift.

World's Most Powerful Personal Portable

3 in 1-8 TRANSISTOR PORTABLE RADIO

- A Radio, a Speaker, a P.A. System
- Hundreds of Hours on a 59c battery
- New Leather and Golden Metal Case

Radio Shack's NEW Realistic 8 Transistor is the most powerful, most versatile portable we've ever seen. Its sensitivity and selectivity will amaze you! Here in Boston it tuned 24 stations loud and clear in daylight . . . through the clutter of powerful locals! The new design is a knock-out: brushed gold-tone metal plate; sturdy leather case; strong carrying strap; positive tuning; easy-to-read window-type dial. Use it with a turntable as an inexpensive phonograph; as an amplifier it will drive a 12" speaker; with a mike you have a public address system for shop, home, or office. Check the specs and you'll know why it outperforms all portables under \$100 . . . it's a great value!

A90L696 Ship. wt. 3 lbs. . . \$5 Mo., Net 29.95
 A91L020 Extra battery, Ship. wt. 1/2 lb. . . .59
 A91L175 Magnetic earphone, Wt. 1/2 lb. . . .98
 A91L100 Crystal lapel mike, Wt. 1/4 lb. 2.85



Outperforms All Portables Under \$100

\$24⁹⁵
 \$5 Monthly



HANDSOME TEAK AUXILIARY SPEAKER CABINET

\$5⁹⁵

6" Oval Speaker for Big Set Sound

Brings "Big Set" Sound to Your Transistor Radio
 Use as Extra Speaker, Remote, or Auxiliary Speaker

Polished teak cabinet with BIG 4"x6" built-in oval speaker! Styled in contemporary Danish modern to hold your Realistic-8 (as shown) or any other portable 8" or less in length and with an earphone jack. Matching golden flecked grill cloth. Fills the room with full range, rich, resonant sound. Completely wired with cord and plug ready to play. 9"x4 1/4"x7 1/4".
 A90L279 Ship. wt. 3 lbs. Net 5.95



6-Transistor Shirt-Pocket Portable Radio - "Petite"



- 6 tiny transistors—An extra diode never wears out!
- Extra-large output transformer for incredible power!
- Brings in distant stations through the clutter of locals!
- Powered by one 59c battery—lasts hundreds of hours!

\$18⁸⁸
 \$5 MONTHLY

The Realistic "Petite" is so small it fits into a shirt pocket with the case and still leaves enough room for pencils, pipes, etc. Best of all, the controls and earphone jack are on the top to allow ease in tuning and undisturbed private listening while it is still in your pocket! The amazing portable with its 2 1/2" heavy magnet speaker has almost the same tone and volume of a table model radio. Its sensitivity and selectivity will continue to amaze you. This handsome ebony and brushed gold plastic cased transistor radio comes complete with battery, earphone with case and leather carrying case with control cut-outs for greater convenience. Compare this Realistic Petite with others selling up to \$35 and you'll agree that this is truly a portable powerhouse loaded with conveniences in a tiny 2 1/2" x 3 3/4" x 1" size.

A90L602 Realistic Petite, Ship. wt. 1 1/2 lbs. \$5 Monthly, Net 18.88
 A91L030 Extra Battery. Net .59
 A90L279 Teak Aux. Speaker, Ship. wt. 3 lbs. Net 5.95

For Radio Shack Kits . . . For Both Audiophiles And Electronic Hobbyists . . . Check The Index

RADIO SHACK • 5

www.RadioShackCatalogs.com

REALISTIC

Most Useful

Portable in the World
3 Band 9 Transistor

- World Wide Short Wave
- 20 and 40 Meter Amateur Bands
- Dependable Radio Direction Finder
When Used with 1 ma. Meter

\$49⁹⁵
\$5 Monthly

- Only 8 1/2 x 4 7/8 x 1 7/8"
- 3 Bands—Short Wave, Broadcast, Long Wave!
- 9 Transistors Plus 2 Diodes and Thermistor!
- Runs for Days on 9-V 59c Battery!
- 2 Antennas: Telescoping and Ferrite Type!
- Tunes New 24 Hour Federal Weather Reports!
- Adapter for External Speaker! Phono or PA Jack!



Radio Shack is world famous for leadership in transistor radios. Way back in 1957, we produced the first all-transistor portable to sell at a popular price. In early 1959 we stunned the industry with the first 8 transistor radio under \$30. Now Radio Shack pioneers again! This time it's a 3-band portable with 9 transistors, 2 diodes and a thermistor at only \$49.95. It's so far ahead there's nothing to compare it with! And it's Radio Shack's alone... the first of its kind! Never has so wide a range of radio performance been engineered into so compact a size, so little weight (even with battery and carrying case it's under 3 lbs.). It's handsome, easy to tune, has unbelievable power and tone! Whenever you play it—at the beach, at camp, on the train, it will immediately become the center of attraction. And it's built to give years and years of trouble-free pleasure. Comes with adapter for external speaker; earphone with cord, plug and case; leather carrying case, and a phono or PA jack.

SPECIFICATIONS: Power: single 9-volt long life battery. Frequency: 3-bands, broadcast 540-1600 kc, long wave 190-400 kc, short wave 6-18 mc. Controls: volume with on-off switch, tuning sensitivity to bring in distant stations, tone, 3-way band switch. 2-Antennas: built-in 28 1/2" 9-section telescoping type for short wave, ferrite type for broadcast and long wave. Jacks: AGC for 1-ma meter in direction finding, 2-phone jacks for earphone, PA, phono. Transistor Complement: 1-mixer, 1-oscillator, 2-IF amplifiers, 1-amplifier for automatic gain control, 4-audio section. Other Semi-Conductors: 1-diode for 2nd detector, 1-diode for AGC, 1-thermistor for output bias circuit. Provides high sensitivity, image rejection and amplification, greater frequency stability, and low harmonic distortion.

A901661 Shipping wt. 4 1/2 lbs.
\$5 Monthly..... Net **49.95**
A901279 Teak Cabinet Speaker, Ship. wt. 3 lbs..... Net 5.95
A951020 Extra Battery, Ship. wt. 1/2 lb..... Net .59

SAVE ON SPECIAL VALUES IN TABLE RADIOS

5-Tube AM Radio



\$11⁸⁸

High quality, low, low price! Has on-off and volume control switch, and large easy to read tuning dial. All-steel chassis mounted in handsome plastic case. Comes in Ivory Mist, Carnation, Ebony Black, and Sandstone. Has excellent sensitivity and high audio output. Disconnecting cord for maximum safety. Compact, can be used almost anywhere in the house. Fully guaranteed for 90 days, including parts and labor. A real value! Handsome styling and variety of colors to fit any decor. Size: 4 1/2" x 4 1/4" x 6 1/2". Specify color when ordering. Wt. 3 lbs.

A901X688..... Net **11.88**

Deluxe Clock-Radio SPECIAL PURCHASE!



Save \$10 **\$24⁸⁸**

Has every Deluxe Feature... Wake-up or go to sleep to music from this high quality, special priced clock-radio. Fully molded, high-impact plastic case in tapered thin-line design. Fully automatic G.E. Telechron clock with sweep second hand, safety buzzer alarm and the automatic "slumber" switch that lulls you to sleep and turns radio off at pre-set time. Automatic "wake-to-music" switch. 5-tube radio has printed circuitry, automatic volume control, Hi-Fi sound system, high-gain loop built-in antenna. Guarantee on parts for one year. 10 1/2" x 4 1/2" x 6 1/2". Ship. wt. 3 lbs.

A44DX400 Pink and White..... Net **24.88**
A44DX401 Rust and White..... Net **24.88**

Deluxe German Import! FM/AM Radio



\$49⁹⁵ Save \$30.00

Made by Grundig-Majestic in West Germany. This fine FM-AM table radio gives excellent tone and volume. It has 16 tuned circuits, "piano" push button controls, separate volume and tone controls, critical vernier tuning and a permanent dynamic speaker. Built-in FM ferrite antenna. Beautifully designed, two-toned cabinet. Controls are easy to operate, easy to read. Save 37% on this bargain. List price is \$79.95. Well made with the highest quality components. Another exceptional buy at the Radio Shack. Ship. wt. 10 lbs.

A450X728..... Only \$5 Monthly, Net **49.95**

6 • RADIO SHACK

Radio Shack's New Time Pay Plan EXTENDS YOUR BUDGET

www.RadioShackCatalogs.com

Radio Shack EXCLUSIVE! British 'Perdio' 2-Band 7-Transistor HI-FI Sound Radio!

London Price - \$52.80

You Save \$22.85

\$29⁹⁵
Only \$5 Monthly

Tunes Regular Broadcast Plus Long-wave (220-400kc), for European Entertainment, Newest 24-hour United States Weather, Ships, Planes.

- Double-Tuned IF's!
- Printed Superhet Circuitry!
- Genuine Morocco Leather Case!
- Money-Back Guarantee!



INCLUDES

FREE!

- Battery
- Car-window Bracket
- External Aerial Plug
- Leather Case

SOLD ONLY BY RADIO SHACK IN THE UNITED STATES!

Ideal for travelers. Tunes regular and long-wave broadcast, marine, air and weather frequencies. Has an unbreakable case of genuine Morocco leather. Uses an oversize, but standard, 9 volt transistor battery that is readily available and lasts much longer than conventional batteries. The reception and sound challenge the performance of costly table radios. Has push-pull audio, 16-ohm speaker, 10 db negative feedback, and a full size metal-plate tuning condenser to give this amazing performance. Has outputs for external antenna, earphone, and tape recorder. Tunes 525-1554 kc and 220-400 kc. Has 3" speaker, ferrite antenna, printed circuitry. Satin-gold dial and grille. Black or red Morocco case. Includes battery, car window mounting bracket. Only 6 1/2" x 3 3/4" x 1 3/4".

| | | | |
|---------|-----------------------------------|-------|------------------------|
| A90L675 | Black Radio. Ship. wt. 5 lbs. | | \$5 Monthly, Net 29.95 |
| A90L676 | Red Radio. Ship. wt. 5 lbs. | | \$5 Monthly, Net 29.95 |
| A91L103 | Earphone. Ship. wt. 4 oz. | | Net .98 |
| A95L026 | English Battery. Ship. wt. 4 oz. | | Net .79 |
| A23F570 | American Battery. Ship. wt. 4 oz. | | Net 1.30 |

Miniature 4-Transistor Hearing Aid



- TINY! POWERFUL!
- Aluminum Case!
- Guaranteed!

Only **\$29⁹⁵**
3/4" Thick!

A complete, high quality, low distortion hearing aid. Powered by pen-light battery. Has volume control. With case, earphone.
A90L540 Hearing Aid.....Only \$5 Monthly, Net 29.95
A23F688 1.5V Mercury Battery.....Net .51
A23F005 Standard Battery.....Net .10

7-Tube FM/AM Table Radio

- Special Value
- Non-Drift
- Built-in Aerial

\$27⁸⁸



This special value table radio has outstanding acoustical tonal quality, high sensitivity, neat modern design and low power consumption. The performance of this stable, non-drift unit surpasses that of larger and more costly sets. The pre-adjusted aerial picks up stations even in fringe areas. Superlative engineering technique has produced a receiver that produces hi-fi sound, yet costs less than ever! The neat, modern design of the cabinet will make it a welcome addition to any home. Comes in beautiful ivory colored plastic. Has a 4" PM speaker with 15 watt power output. 530-1605 kc AM, and 88-108 mc FM.

A45DX695 Ship. wt. 5 lbs.....Only \$5 Monthly, Net 27.88

Famous Make 6-Tube FM Radio

- Powerful, Compact
- RF Stage Ratio Detector
- Lowest Price Ever!

\$23⁹⁵

• Mfr's. List \$34.50



A real bargain! Save \$11! Lowest price ever for an FM set! This 6-tube radio has a super-powered chassis with an Alnico V FM speaker. Has high sensitivity, gives excellent reception, and is drift-free. Made in USA. Comes equipped with a ratio detector and its own attached aerial. The handsome decorator style cabinet comes in ivory plastic. Has on-volume switch and large easy to use calibrated tuning knob. Operates on AC-DC from 88-108 megacycles. Completely tested and approved by the Radio Shack testing laboratory. Has a 90 day warranty on all parts and labor. This table model FM set fits almost anywhere. Only 5" x 5 1/2" x 10". Shipping weight 4 1/2 lbs.

A44DX320.....Only \$5 Monthly, Net 23.95

GRANCO FM Tuner

\$18⁸⁸

- Low Cost
- Simple to Operate
- Built-in Antenna



A low cost, high quality tuner. Plugs into any amplifier and speaker system. Gunmetal blue. Wt. 2 lbs.

A45DX652 T-300.....Only \$2 Down, Net 18.88

For "Where-to-Find-it" Check the Index on Pages 190 thru 192

www.RadioShackCatalogs.com

RADIO SHACK • 7

Radio Shack **Diamond Series** Phonographs—Save 40%!

4-Speed Automatic Stereo Phonograph

- Tone, Volume, Balance Controls
- Two 5" Hi-Fi Duo Speakers
- New! British Changer
- Plays All Stereo, Mono Disks!
- Separates 12 Feet for Stereo!

List \$99.95

\$54⁹⁵

\$5 Down

FREE!

Extra Diamond Needle



The ideal traveling companion . . . sure to be the center of attraction at dances, parties, or in your own home. Modern and handsomely styled in gold vinyl heavy duty case with gold beading. This powerful portable phono has everything . . . two huge 5" hi-fi duo speakers, one in the main unit the other in the front of the swingaway cabinet. Extension cord and plug-in jack allow optimum spacing for brilliant living stereo. New famous British 4-speed automatic changer features smooth,

quiet operation. Never-jam design plays all sizes records at all speeds, automatically shutting off after the last disk has been played. Rubber padded turntable, cushioned lightweight pickup arm for record protection. Features easy-grip handle and slim line styling, flip-over sapphire needle and a Radio Shack extra-free diamond needle! Made in U.S.A. Ship. wt. 20 lbs.

A15CX141 \$5 Monthly, Net 54.95

Exclusive 3-Channel Portable Stereo Phonograph



- 3 Separate Amplifiers!
- 3 Separate Speakers Systems!
- Glaser Steers Automatic Changer!

List \$124.95

\$74⁹⁵

\$5 Down

FREE! Diamond Needle!

Extra value! A complete portable and compact stereo phonograph whose advanced engineering assures gentle, easy record handling; precise tracking of stereo and monophonic records. The Glaser Steers "Magic Mind" changer features automatic and manual operation at 4 speeds; plays all sizes of records regardless of sequence. Foolproof, jamproof, trouble-free—idler automatically disengages in "off" position preventing flat driver wheel spots. Quick-change cartridge holder accommodates all leading standard cartridges. Automatic shut off after last disk. Changer alone lists for \$59.50! Hinged cabinets each contain a

4" tweeter, separate to 20 feet for divine stereo separation. 6" woofer in main unit is separately bass and treble controlled. Controls are also included for the left and right channels. 3 separate amplifiers filter directional "highs" through tweeters and non-directional "lows" through the bass speaker system for preferred stereo. Eliminates the "hole in the middle" forever. Extra diamond needle included free! Attractive black and gold vinyl case. Made in U.S.A. Ship. wt. 22 lbs.

A15CX142 \$5 Monthly, Net 74.95

New Radio Shack Deluxe 3-Channel Stereo Phonograph

3 Separate Amplifiers . . . 5 Speaker, 3-way System . . . Garrard Automatic Changer

FREE!
Diamond
Needle



List \$169.95

\$99⁹⁵

\$5 Down



Deluxe! Best by Test! And why not . . . every element for best stereo sound is present! The Garrard changer (relied on by thousands) features trouble-free internally and center drop mechanism. Your stereo cartridges perform better since there is a precision stylus weight adjustment on the all aluminum tone arm. Plays your monaural and stereo records at all four speeds, intermixes sizes.

Front swing-away design cabinet has two side cabinets each of which contains a 4" woofer and a 5" tweeter; these units separate up to 20" for optimum stereo sound. The master unit is equipped with a 6" woofer . . . A total of 5 speakers and 3 separate sources of sound. Three separate amplifiers filter the highs and direct them to the tweeters, allowing the non-directional lows to pass to the bass speaker. Controls for left, right and bass (treble and bass) channels. Sturdy gold cabinet with matching gold grille cloth. Free—extra diamond needle! Made in U.S.A. Ship. wt. 30 lbs.

A15CX143 \$5 Monthly, Net 99.95

Low Priced Radio Shack Phonos!



(A)

PLAY ALL DISKS!

ALL 4 SPEEDS!



(B)

4-Speed Stereo Portable Phono

Plays Monaural Disks Too! **\$29⁹⁵**
 Dual Stereo Amplifiers!
 Mfr's List is \$39.95!
\$5 Monthly

Radio Shack's OMNI-Play

Plays Every Record You **\$17⁸⁸**
 Own, Even New Stereo!
 Mfr's List is \$29.95!
\$2 Down

(A) A jewel of a low cost stereo portable boasting two 4" speakers housed in separate cabinets and hinged to each side of the master unit. Dual sapphire needles in the feather-weight tone arm carry the sound to the hi-fi cartridge. Dual stereo amplifiers with separate volume controls, drive the full-range speakers for the finest stereo you've ever heard at the lowest price possible! Gold and white, 16½" x 12½" x 5½". A15CX140 Ship. wt. 11 lbs. Net 29.95

(B) Here's your most versatile twin-speaker system at an economy price! The lid on this famous-make unit detaches and separates the speakers up to 8", surrounding you with sound. Dual-jeweled flip-over cartridge plays monaurally—but plays your stereo disks monaurally too without harming them! Has three speeds, 33, 45, 78 rpm, with tone and volume controls. Two big 4" speakers, 13" x 8" x 10½". A15CX139 Ship. wt. 10 lbs. Net 17.88

Stereo Hi-Fi Automatic Portable

When you're looking for console quality with the convenience of portability, this deluxe stereo automatic portable will fill your needs! Featuring a three-channel speaker system with five-speaker operation, this magnificent hi-fi has a giant 8" speaker in the main cabinet for reproducing low tones. Each remote cabinet has a 6" speaker and a 1½" whizzer cone. Rumble-free, 4-speed changer handles 16, 33 stereo and LP, 45 and 78 RPM records. Spindle for 45's included! Multi-channel chassis has stacked amplifiers. 20-watt peak power, 30 to 20,000 cps. Smart smoked grey and silver tweed. Size: 25"x19½"x9¾". Wt. 40 lbs. A15CX144 Net 124.50

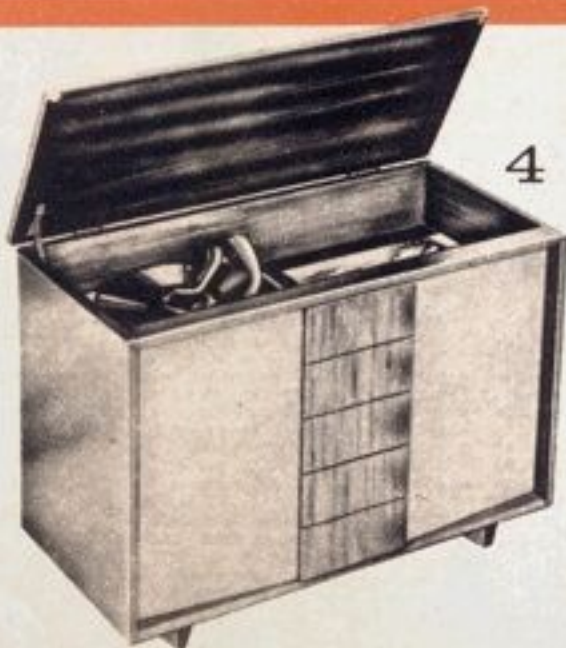
FREE
DIAMOND
NEEDLE

List Price
\$149.95
Save \$25

\$124⁵⁰



Easy
Budget Plan!
Page 3.



DECCA 4 Speed Stereo Console

\$139⁵⁰

\$7 Monthly
Save \$80

FREE \$50 Worth of
DECCA Stereo Records

Sound and The Fury Sound Track -
 Let's All Sing with Red Foley
 Cocktails with Cavallaro
 Sousa Marches in Hi-Fi
 The Sound of Wayne King
 Songs Everybody Knows—
 Russ Morgan
 The Best of Strauss—Michel Piastro
 Sunrise Serenade—
 Ray Charles Singers
 Porgy and Bess—
 Sammy Davis and Carmen McRae
 Lenny Dee Plays the Hits

This self-contained music system turns each disk into breathtaking realism. It plays all your records to perfection, whether stereo or monaural, old or new. Just plug it in and listen. Nothing to wire. Nothing more to buy. Excellent push-pull amplifier, VM changer and Sonotone cartridge. There's a jack for an external speaker too. When used, the four speakers in the main cabinet are thrown to one amplifier and the external speaker is fed from a second amplifier automatically! 27½" x 32½" x 16". Your Choice of Finish: Mahogany...A35CX402, Walnut...A35CX403, Blonde...A35CX401. Shipping weight 60 lbs. Net 139.50

REALISTIC

New Two-Speed Pocket Portable

5-TRANSISTOR TAPE RECORDER



Vinyl Carrying Case holds recorder, Accessories

Tiny Size Small As An Average Book

Genuine Meter--not a Neon Lamp

Crystal Microphone complete With Plug

Standard 3" Reels Are Used.

- Operates On Low Cost Batteries!
- Weighs Less Than 5 Pounds!
- Uses Standard 3" Tape Reels!
- Plays Up to 60 Minutes!
- Built-in Speaker and Amplifier!
- Carry Case Included FREE!

\$89⁵⁰

ONLY \$5 MONTHLY**Challenges The \$195-\$295 Midgets!**

THE TR-730 offers the most quality and features for the money in audio history! Radio Shack's fantastic new 2½" x 7½" x 5½" transistor tape recorder not only challenges the midgets which sell for 2 to 4 times its price, but actually exceeds them in many vital respects. It comes complete with built-in speaker and playback amplifier! It records and plays back at either of 2 standard speeds—3¼" or 1½" ips—at the flick of a switch! Has a genuine D'Arsonval VU meter which reads out both recording level and the condition of the batteries! May be operated in all modes—playback, record, rewind or erase, with the lid closed, yet you can still see the motion of the tape reels and deflection of the meter. Volume control is independent of power switch. 3 separate jacks for microphone (included), external speaker, and headphone. Standard batteries are used. Full set free with recorder.

SPECIFICATIONS: Dual track, plays 30 min. total, 3¼", or 60 min. total 1½". Motor uses 8 penlight cells, amplifier on 9V transistor battery. Battery life: motor 8 hours, amplifier 60 hours. Rewinds in 90 seconds. Built-in PM speaker. Record frequency 200-5000 cps. Full 5-transistor operation. Safety switch prevents accidental erasure. Precision in every respect including printed circuitry. A90LX258 Ship. wt. 8 lbs. \$5 Monthly, Net 89.50

TAPE ACCESSORIES

| | |
|--|----------|
| 3" Reel Acetate Tape. | |
| A34L090 Ship. wt. ½ lb. | Net .46 |
| 3" Reel 300 Ft. Mylar Tape. | |
| A91L702 Ship. wt. ½ lb. | Net .79 |
| 3" Empty Reels. | |
| A34L093 Ship. wt. ½ lb. | Net .17 |
| A91L175 Earphone. Ship. wt. ½ lb. | Net .98 |
| A34C864 Tape Splicer. Ship. wt. ½ lb. | Net 1.50 |
| 8-Extra Z Cells. | |
| A23F005-8 Penlite. Ship. wt. ½ lb. | Net .72 |
| 8-Mercury Long Life Cells. | |
| A23F461-8 Mollory z-9. Ship. wt. ½ lb. | Net 3.92 |
| A95L030 9V Battery. Ship. wt. ½ lb. | Net .59 |
| A23F651 (TR146R) 9V Battery. Wt. ½ lb. | Net 1.55 |



Steelman Portable 2-Speed Tape Recorder

All Transistor
Battery Operated **\$139⁸⁸**

For people who are always on the go... an all transistor portable tape recorder. Play 1½ ips for voice recording or 3¼ ips for music quality with frequency response of 150 to 7500 cycles. Plays over one hour. Ultra-sensitive pick-up and wide frequency range response for accurate shading of recorded sounds. One knob conveniently located on exterior of case provides smooth control of either record or playback volume level. Genuine cowhide case in choice of Jet Black or Silver-grey and bright chrome trim or Saddle-Tan with Beige and Gold trim. 2½" x 6½" x 9¾". 6½ lbs. less batteries. A34CX095 Wt. 8 lbs. \$7.50 Mo. 149.95



Complete Transistorized Midget Tape Recorder

3 pounds **\$179⁴⁵**
8½" x 3¾" x 1½"

Records and plays 1 hr. at 1½ ips. Bat. operated pocket recorder is cartridge loaded, has recording time and bat. life indicators, 30" pick-up radius. Includes 1 hr. tape cart. and 1 12 hr. battery. Easy to operate. Famous name in disguise.

| | | |
|----------|--|------------------------|
| A34CX976 | Wt. 3 lbs. | \$9.50 Mo. 179.45 |
| A34CX978 | Tel. Microphone. 1 lb. | 8.95 |
| A34CX977 | Power Amplifier. Shipping weight 2 lbs. | \$5 Monthly, Net 33.50 |
| A34C979 | 403 AC Adapter. Shipping weight 1 lb. | \$5 Monthly, Net 33.50 |
| A34C980 | RL90 Tape Cartridge. Shipping weight ½ lb. | \$5 Monthly, Net 13.50 |
| A34C981 | 12 hr. battery. ½ lb. | Net 2.60 |
| A34C984 | 50 hr. Merc. Bat. Wt. 1 lb. | 9.50 |



Concertone Miniature Tape Transcriber

Portability and Beauty **\$195⁹⁵**

Miniature all transistor tape recorder. It's big in performance but small in size. Weighs 4 lbs. Uses standard reels, tapes, etc. 115 VAC operation with AC adapter accessory. Battery operated, dual speed ½ track recorder permits more than 1 hr. recording time. One knob control, VU meter. Shipping weight 8 lbs.

| | | |
|----------|---|------------------------|
| A34CX426 | TR100 | \$9.50 Monthly 195.95 |
| A34CX427 | 110 AC Adapter. Shipping weight 1 lb. | \$5 Monthly, Net 24.95 |
| A34CX428 | Remote Cont. Hd. Wt. 1 lb. | 3.95 |
| A34CX429 | Remote Cont. Ft. Wt. 1 lb. | 9.95 |
| A34CX430 | Tel. Pick-up. Wt. 1 lb. | 5.95 |
| A34CX431 | Steth. Earphone. Wt. 1 lb. | 1.95 |
| A34CX432 | 12V Adapter for Auto Plug-in. Shipping weight 1 lb. | Net 9.95 |

REALISTIC

2-Speed 2-Track Tape Recorder Records! Playback! Erases!

3 3/4 and 7 1/2 IPS Speeds!

Radio Shack Crashes the \$100 Price Barrier With A High Quality Tape Recorder Easily Worth \$100!

\$49⁵⁰

\$5 Monthly

Radio Shack shatters the concept that solidly built complete tape recorders for general use need to cost \$100, \$70 or even \$50 with this new Realistic Model TR-167 two speed dual track sensation. No vital feature has been omitted from its well-built 110-117V 60 cycle AC supply right down to the plated fittings on the 2-tone covered wood case. Added features include: separate pilot and record-level lights; separate and precise 3 3/4" and 7 1/2" speed-change capstans; externally accessible mike/radio-phonograph/external-speaker jacks; built-in pocket for mike and cables; case designed to permit travel or play with regular 5" reels in place! Ship, wt. 20 lbs.

A90LX535 TR-167 . . . \$5 Monthly, Net 49.50



TAPE ACCESSORIES

Tape Cleaner-Lubricant.
A34C789 Wt. 1/4 lb. .1.50
Telephone Pick-up Coil.
A91L533 Wt. 1/2 lb. .1.85
Gibson Girl Tape Splicer.
A34C742 Wt. 1/2 lb. .4.88
Scotch 3" Empty Reels.
A34C093 Wt. 1/2 lb. .17
Scotch 5" Empty Reels.
A34C092 Wt. 1/2 lb. .44
Scotch 7" Empty Reels.
A34C091 Wt. 1/2 lb. .50
Tape Head Demagnetizer.
A90L549 Wt. 1 lb. .3.79

- Full 17-lb. Size Portable Luggage Case. 11 3/4" x 10" x 7"
- Separate Record/Play and Ultra-sonic Bias-Erase-Heads!
- Includes Microphone! Radio Cord! Standard 5" Reel! Speaker!
- 55-9000 Cycles @ 7 1/2" Response! Fully Shielded Chassis!
- Ideal For School, Business, Home, Meetings and Rehearsals!

SAVE \$6.80 4 WAY TV MIKE



Famous make crystal mike with high impedance. Use on desk, in hand or around neck in lavalier style. Complete with 12' cable.
A20C246 Wt. 1 1/4 lbs. 9.70

UHER

"Universal" Hi-Fi Tape Recorder



Combines the functions & potentialities of a dictating machine and an amateur sound system

\$299⁹⁵

plus 10% FET

3-speed (3 3/4, 1 7/8, 1 1/2 ips) 8 hours of playing time. Use as a dictating machine: complete automatic control, you record, rewind, playback and stop from the mike. With the Akustomat use as a voice-operated tape recorder—eliminates silent spots. Operates a film-strip or slide projector or synchronizing with a recorded narration automatically! Standard 5" tapes—Fast erase, rewind and forward—Automatic volume control, rewind and stop—50-13000 cps—timer input—Hysteresis-Synchronous motor, Keyboard operation.
A34C4820 Ship. wt. 20 lbs. . . . \$14 Monthly, Net 299.95

FOR UNIVERSAL UHER TAPE RECORDER

A34C819 UHER AKUSTOMAT. Ship. wt. 5 lbs. \$5 Monthly, Net 44.95
A34C953 TYPEWRITER CONTROL. Ship. wt. 3 lbs. . . . Net 14.95
A34C954 FOOT CONTROL. Ship. wt. 3 lbs. . . . Net 14.95
A34C955 STENO HEADSET. Ship. wt. 3 lbs. . . . Net 14.95
A34C958 PHONE ADAPTER. Ship. wt. 3 lbs. . . . Net 8.95

REALISTIC TAPES

5 Inch Reel 600 foot Acetate Tape.
A91L715 Ship. wt. 1/2 lb. .Net .99
7 Inch Reel 1200 foot Acetate Tape
A91L730 Ship. wt. 3/4 lb. .Net 1.49
5 Inch 900 foot Mylar Tape.
A91L753 Ship. wt. 3/4 lb. .Net 1.29
7 Inch 2400 Foot Mylar Tape.
A91L750 Ship. wt. 3/4 lb. .Net 3.69

5 reels of tapes.
A91L715-5 . . . Net 3.99
5 reels of tapes.
A91L730-5 . . . Net 7.00
5 reels of tapes.
A91L753-5 . . . Net 5.99
5 reels of tapes.
A91L750-5 . . . Net 16.95

SONY

Complete "Professional" Stereo Recorder & Playback



\$399⁹⁵

\$99⁵⁰

The Ultimate "Stercorder 300"

A complete 4-track stereo tape recorder and playback system in one compact unit. Features: Hysteresis-Synchronous motor, 2 V.U. Meters, Low impedance cathode follower, Separate level and tone controls for each channel plus main volume control for simultaneous operation of both channels, Instantaneous stop, fast forward, fast rewind, automatic head demagnetizing dynamically balanced flywheel—7 1/2—3 1/2 ips, 2-speed 30-18,000 cps at 7 1/2, less than 12% wow, 4-track monaural record, precise alignment for 2 and 4 track-heads.
A34CX439 300 Ship. wt. 42 lbs. . . . \$19 Monthly, Net 399.50
A34CX438 Transport Mechanism for 4-track. Wt. 10 lbs. Net 89.50

Dual Track Monophonic Recorder

2-Speed, 7 1/2—3 1/2 ips, transistorized. Complete with carrying case, speaker and dynamic microphone. Records 4-track mon. Sound on sound for language lab. 7" reel capacity. 13" x 10" x 6 1/2".
A34CX436 101 Ship. wt. 19 lbs. . . . \$5 Monthly, Net 99.50
A34CX437 4-Track mono stereo play. Wt. 20 lbs. \$9.50 Mo. 199.50

REALISTIC**STEREOPHONIC TAPE RECORDER****Complete 3-Speed!
4-Track! System w/Speaker**

We had to change the name of this famous American make tape recorder in order to sell it to you at this new low price. This 4 track, 3 speed stereo, with dual track monaural record and play as well, has push button controls with pause editor and head equalization switch. You also receive a big 7" reel capacity and 16 watt play back. On top of all this you get a public address input, monitor input, full frequency crystal mike, take-up reel and reel of tape. A Complete Stereo Home Music System. Don't delay! Send for one today! Ship. wt. 50 lbs.
A34CX999 \$8.50 Monthly, Net 169.95

Mfr's List \$273.50
\$169.95
\$8.50 Monthly

- Recording Accessories:
- A91L730 Realistic 1200' 7" acetate tape, Wt. 1 lb. Net 1.49
 - A91L730-5 5 reels of above Net 7.00
 - A91L754 Realistic 1800' 7" Mylar tape, Wt. 1 lb. Net 2.39
 - 91L754-5 5 reels of above Net 11.00
 - A90L549 Tape Head Demagnetizer, Ship. wt. 1 lb. Net 3.79
 - A34C864 Tape Splicer, Ship. wt. 1 lb. Net 1.50
 - A34C789 Long Life Cleaner Lub. Ship. wt. 1 lb. Net 1.50
 - A34C061 66-ft. SCOTCH 1/2" Splic. Tape, Wt. 1/2 lb. Net .76
 - A34C061-12 1 dozen of above, Ship. wt. 3 lbs. Net 0.88

**3 Speed Monaural Recorder
with Equalization Switch**

Realistic gives you everything you need in a quality recorder at an amazingly low price. You actually save \$55 off the manufacturer's list price. It brings you a breath-taking list of top-line features as well. These include a built-in pre-amplifier, 8 watt amplifier and solenoid shutoff, 2-speaker high fidelity sound system with 6" woofer and 3" tweeter with electronic crossover. It has five convenient push button controls, including "pause" and separate volume and tone controls. Provision is made for an external speaker, tape footage counter and record level indicator; equalization switch at all 3 speeds; dual track play and record and 7" reel. Inputs for phono, mike, public address and monitoring. Frequency response: 7 1/2 ips-50-15,000 cps, 3 3/4 ips-50-10,000 cps, 1 1/2 ips-50-5,000 cps. Signal to noise 45 db. This outstanding buy also has a 90 day guarantee. Ship. wt. 40 lbs.

A34CX834 \$6 Monthly, Net 109.50



\$109.50
Mfr's List \$164.95

Norelco®

Mfr's List \$399.50
\$339.95

\$16 Monthly

**Masterpiece for Lovers of
the World's Finest Music**

Styled by Europe's top designers, and engineered in the highest tradition of craftsmanship, this stereo instrument brings the discriminating listener a tape-recording pinnacle, at a truly modest price. This flawless jewel contains every conceivable feature for complete 4-track stereo and monaural recording and playback, with a separate second speaker system contained in the movable cover. Stereo inputs for mike, phono and tuners; Response: 50-7,000 cps at 1 1/2 ips; 50-14,000 cps at 3 3/4 ips; 50-18,000 cps at 7 1/2 ips. Size: 15 1/2" x 13" x 8". Ship. wt. 55 lbs.

A50CX510 Norelco \$16 Monthly, Net 339.95

FREE With Your Norelco!

\$31.35 worth of Westminster Pro-Recorded 4 track stereo tape (three 7" reels)—Plus three 7" reels of recording tape, 1200' each.

Famous Make Stereo Tape Recorders



Save \$20 on This Exceptional 2-Speaker, 2-Speed Recorder

We can't tell you the name, but we can tell you this: here's a tape recorder value without equal anywhere! Superior features included 4-track and 2-track stereo play and dual track monaural record and play; hand elevator for precise head alignment with 4-track or 2-track stereo or monaural tapes; 2-speeds; 7½ ips and 3¾ ips; 2 speaker hi-fi sound system; 5" woofer and 4" tweeter with electrical crossover; 6-watt amplifier; striking handsome tweed-grain case; easy-as-pie to operate, light enough to carry everywhere! Comes complete with sensitive crystal mike with 6' cable, 1 hour tape on 7" reel and take up reel. **VALUE? Simply terrific!**
A34CX995 Model 1975. Ship. wt. 25 lbs. Only \$5 Mo., Net 99.95
FAMOUS MAKE AMPLIFIER-SPEAKER. List \$29.95. Shipping weight 10 lbs.
A34CX996 AS1975. Net 19.95
RECORDER PLUS AMPLIFIER-SPEAKER. List \$149.90.
A34CX997. Ship. wt. 35 lbs. Only \$7 Monthly, Net 114.95



List
 \$119.95
 \$5 Monthly
\$99.95



Mfrs. List
 \$313.95
 \$12.50 Monthly
\$259.95

4-Track! 3-Speed! For Complete Stereo Recording and Playback

Complete, indeed . . . and, best of all, at a price that's really within everyone's reach! This famous make model actually retails for \$313.95, but because of Radio Shack's carefully controlled volume buying, we're able to bring you this quality unit at savings of well over \$50! And everything is included! You not only get the professional stereo tape recorder, but also a matched external speaker system, 2 deluxe microphones with stands and 6' cables, patch cords for direct off-the-air recordings, plus 1 hr. tape on 7" reel and takeup reel! Outstanding features include: speeds of 7½, 3¾ and 1½ ips; 4- and 2-track stereo record and stereo play, as well as dual track monaural record and play; 6" woofer and 3" tweeter with electrical crossover; pushbutton controls. Also has head elevator for precise alignment of all multi-track tapes; equalization switch for all speeds; and input monitoring which lets you listen to recordings while they're being made! Wonderful, too, is the fact that you even can use this extraordinary unit as a PA system! Truly this is the ultimate in tape recorders . . . at a terrific price that is Radio Shack's only! Ship. wt. 45 lbs.
A34CX828. Only \$15 Monthly, Net 259.95

REALISTIC-- 4-Track! Stereo Tapes, No Cuts, 30-45 Minutes

ARST-400. SCHUBERT Piano Quintet; Quartet—flute, guitar, violin, cello.
ARST-401. VIVALDI — Concertos for Piccolo & Strings, Mandolins & Orch.
ARST-402. ROSSINI—4 Quartets for Woodwinds: No. 1, 4, 5, 6.
ARST-403. MUSIC FOR PERCUSSION.
ARST-404. EDWARD VITO HARP RECITAL: Debussy, Faure, Saint Saens.
ARST-405. INTERMEZZO. Eidius, violin; Agostini, harp, play Chopin, others.
ARST-409. KALMAN. Csardas Princess.
ARST-410. KALMAN. Countess Maritza.
ARST-411. BERLIOZ. Symphonie Fantastique, Prix Prom Orchestra.

ARST-451. HITHER AND ZITHER. Anton Karas plays 45 tunes.
ARST-452. NEW ORLEANS BANJO PLUS 4.
ARST-406. OFFENBACH IN HI FI. Selections from eleven operettas.
ARST-450. HONKY-TONK PIANO PLUS 3.
ARST-453. POLKA CARNIVAL. Al Syka.
ARST-454. 26 STANDARDS FOR DANCERS.
ARST-407. VIVALDI. The Four Seasons & Concerto for Two Trumpets.
ARST-408. HAYDN. Symphony No. 94 ("Surprise"), No. 100 ("Military").
 Ship. wt. 1 lb. per box
 Compare at **\$4.49**
\$9.95 each

NEW DYNAMIC Stereo Mike

Mfrs. List \$15.95
\$34.95

Only \$2 Down

- ★ For Any Tape Recorder, PA or Hi-fi Amplifier!
- ★ Has 360° Pick-up!

Consists of two high-sensitive microphone elements (for left and right channels) set at right angles and mounted in single housing. Output: only 50 db down at 1 V. Impedance: 25,000 ohms. Really rugged — for recording in or out of doors. Ship. wt. 2 lbs.
A911181 Net 15.95



There Are Books for the Hobbyist on pages 125 thru 129 and on pages 135 and 139

Radio Shack RECOMMENDED* Stereo Systems

*Radio Shack offers hi-fi fans the lowest prevailing prices on all high fidelity components, with special savings on our expertly matched high fidelity music systems. Our quality control engineers check all hi-fi components listed in this catalog with a series of exacting tests. Thus, when you buy your high fidelity components at the Radio Shack, you do so with the knowledge they are all quality tested and will perform to give you the ultimate in high fidelity enjoyment. Radio Shack has systems to fit every budget no matter how large or small—all at substantial savings! Our expert consulting service will gladly answer all your questions on purchasing or repairing your high fidelity system.



FREE

RADIO SHACK HI-FI KIT

With the Purchase of any System on the Following Pages.



Consists of:
25' Speaker Wire
Wire Stripper
Screw Driver
Stylus Pressure Gauge

Realistic-Hallmark 12" Stereo Test Record
Care Cloth (chemically treated). New Radio Shack Pamphlet "What and Hows of Stereo" (an informative pamphlet on Stereo reproduction).

REALISTIC



BUDGET STEREO SYSTEM

- Including the new Realistic Stereo 40A
- Garrard RC-210, Pickering 380-c, 10" Speakers

SAVE 26½%
AUDIOPHILE
NET \$199.30

\$145.95
\$7.50 Monthly



For fine stereo reproduction at an exceptionally low price this special package is an ideal system. Carefully selected by our own engineers, these components pass on to you high quality at the greatest savings possible. Here is an ideal system for the new enthusiast to get acquainted with the wonderful world of stereophonic sound. System includes the new Realistic SAF-40A "Golden Amplifier" for perfect balanced tone and volume. A Garrard 210 "Dauntless" Changer for trouble free infirmix center drop mechanism. All aluminum tone arm for perfect performance with stereo cartridges. Pickering 380-C Stereo Fluxvalue for pickup arm and trouble free performance. Realistic-Goodman 10" Speakers for efficient frequency range.

A505X300 Ship. wt. 46½ lbs. \$7 Monthly, Net 145.95
Same as above except system includes 2 Realistic Paris Enclosures to house the Realistic-Goodman Speakers.
A505X302 Ship. wt. 116½ lbs. \$9.50 Monthly, Net 199.95

DELUXE STEREO SYSTEM

- Quality system at almost ½ off!
- Realistic STA-50, Garrard 88, Pickering, Stromberg-Carlson

SAVE 43%
AUDIOPHILE
NET \$459.30

\$269.95
\$12.50 Monthly

Now you too can enjoy the finest of music and save money with this system featuring exceptional components. This system has been carefully selected by our own engineers to give you the finest possible set at the lowest price. Set includes the new Realistic Stereo AM-FM Amplifier for perfect balanced tone and volume. You also receive a Garrard 88 MKII for full stereo use with its aluminum non-resonant arm with plug-in heads and easy access pressure and height adjustment. Pickering 380-C for wide-range frequency response. Stromberg-Carlson speakers for perfect sound reproduction at all times.

A505X301 Ship. wt. 92 lbs. \$11.50 Monthly, Net 269.95
Same as above including two Realistic "Bome" OIL, WAL. enclosures designed for 15" speakers. Audiophile Net 548.20. Save 36%.
A505X304 Ship. wt. 182 lbs. \$16 Monthly, Net 349.95

REALISTIC



USE RADIO SHACK'S EASY BUDGET PLAN
COMPLETE DETAILS ON PAGE 3

CHOOSE FROM 64 HI-FI SYSTEMS

AT 20% OFF!

Exclusive Radio Shack Plan Offers Huge Savings to Hi-Fi Lovers!

Yes, choose . . . and SAVE! Choose your own stereo system from the famous components featured on this page . . . and Radio Shack will automatically give you 20% off! Here's how: Radio Shack starts you off with the fabulous new REALISTIC SAF-24 STEREO AMPLIFIER (specifications on rear cover) which has every wanted control for brilliant hi-fi reproduction and the utmost in stereo enjoyment. It actually retails for \$54.95, but its magnificent performance makes it worth far, far more! You make your own choice of famous automatic changer, famous speaker system and famous cartridge. No matter what components you choose, no matter what complete system you plan, Radio Shack will deduct 20% off its total cost! Leave it to Radio Shack to come up with sensible savings like these!

ORDERING IS AS SIMPLE AS B-C-D!

Study the components below and decide which will best serve your hi-fi needs. Then order by using the basic number A50SX-999. On to this basic number add the designation letters of your component choices. For instance, 50SX999-B2-C1-D3 would mean that you wanted the Garrard RC-210 Changer, the Shure M7D cartridge and the 2 Realistic 8" Coaxial Speakers. Figure your cost as shown in the example on the left; add freight charge which is indicated by shipping weights; and then consult page 3 for easy monthly payments. IT'S THAT SIMPLE!



A New REALISTIC SAF-24 STEREO AMPLIFIER
Back Cover Ship. wt. 20 lbs.
Audiophile Net \$54.95



HOW TO FIGURE YOUR SAVINGS!

Let's suppose you chose B2, C1 and D3 for your system. Simply add the audiophile nets of these items to the price of the stereo amplifier (\$54.95) which will give you the audiophile net of the entire system. Multiply this total by .8 (your 20% off), and as quickly as that, you'll figure your savings!

| | |
|------------------|---------|
| A | 54.95 |
| B2 | 44.50 |
| C1 | 23.52 |
| D3 | 17.90 |
| Total | 140.87 |
| Audio Net | X .8 |
| | 112.696 |

You Pay \$112.70

You Save \$28.17

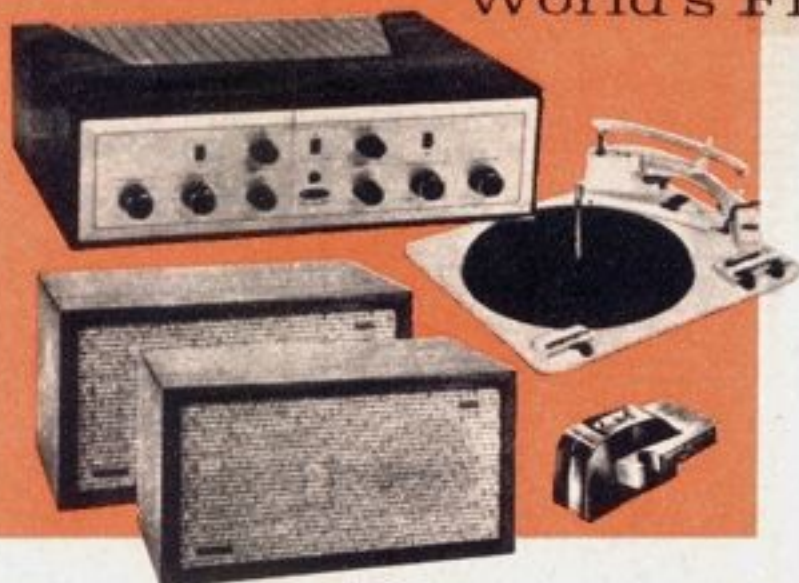
EASY?

Yes, indeed . . . and so are our monthly budget terms!

SEE PAGE 3!

| | | |
|--|---|--|
| <p>B1 Page 63</p>  <p>REALISTIC Mark IX Manual Player Ship. wt. 13 lbs. Audiophile Net \$24.95</p> | <p>C1 Page 70</p>  <p>SHURE M7D Stereo Cartridge Ship. wt. 1 lb. Audiophile Net \$23.52</p> | <p>D1 Page 51</p>  <p>2 ELECTRO-VOICE LS-12 12" SPEAKERS Ship. wt. 12 lbs. Audiophile Net \$38.22</p> |
| <p>B2 Page 64</p>  <p>GARRARD RC-210 Automatic Changer Ship. wt. 12 1/2 lbs. Audiophile Net \$44.50</p> | <p>C2 Page 70</p>  <p>PICKERING Mk. II Cartridge Ship. wt. 1 lb. Audiophile Net \$24.00</p> | <p>D2 Page 45</p>  <p>2 REALISTIC SOLO-II Speakers Ship. wt. 38 lbs. Audiophile Net \$59.90</p> |
| <p>B3 Page 69</p>  <p>WEBCOR Imperial Stereo Diskchanger Ship. wt. 15 lbs. Audiophile Net \$49.38</p> | <p>C3 Page 70</p>  <p>PICKERING 389-C Cartridge Ship. wt. 1 lb. Audiophile Net \$29.85</p> | <p>D3 Page 44</p>  <p>2 REALISTIC 8" Coaxial Speakers Ship. wt. 8 lbs. Audiophile Net \$17.90</p> |
| <p>B4 Page 67</p>  <p>GLASER-STEERS GS-490 Automatic Changer Ship. wt. 12 lbs. Audiophile Net \$47.50</p> | <p>C4 Page 71</p>  <p>ELECTRO-VOICE 31MD-7 Cartridge Ship. wt. 1 lb. Audiophile Net \$23.52</p> | <p>D4 Page 47</p>  <p>2 REALISTIC-AUDAX 12" Coaxial Speakers Ship. wt. 13 lbs. Audiophile Net \$49.50</p> |

World's Finest Stereo Systems



H. H. SCOTT • GARRARD
• SHURE • REALISTIC

AUDIOPHILE NET \$333.95 Radio Shack Price **\$264⁹⁵**

YOU SAVE \$69.00 \$12.50 Monthly.

- H. H. Scott 222B Stereo Amplifier
- Garrard 210 Changer • Shure M7D Cartridge
- 2 Realistic Electrostat II Speakers

From diamond stylus tip to full-range, wide dispersion sound, here's a complete stereo system that will keep you breathless with its brilliant reproduction! The H. H. Scott 30-watt amplifier provides response from 20-30,000 cps with less than 0.8% harmonic distortion. The Garrard 210 automatic changer features a trouble-free, jamproof center drop mechanism. Shure's M7D magnetic cartridge with .0007" diamond stylus features high compliance and 3-6 gram track force. And as for those new Realistic Electrostat II speakers in beautiful genuine teakwood—they offer 120° dispersion (4-element built-in electrostatic tweeter) and full range response! Truly a magnificent system for the happiest of listening! Ship. wt. 86½ lbs. A505X005..... Only \$12.50 Monthly, Net 264.95



BOGEN • REALISTIC • GARRARD
• GENERAL ELECTRIC

AUDIOPHILE NET \$259.30 Radio Shack Price **\$219⁹⁵**

YOU SAVE \$39.35 \$10.50 Monthly

- Bogen DB-212 Stereo Amplifier • G.E. VR-227 Cartridge
- Garrard 210 Automatic Changer • 2 Realistic Trio Speakers

Stereo supreme... with the finest hi-fi components on the market today! Highly-rated Bogen 212 has dual 12 watt amps! The Garrard 4-speed changer plays all disks and comes with G. E. stereo diamond cartridge. Two Realistic Trio speakers complete this splendid system with clear-as-a-bell audibility! Ship. wt. 90½ lbs. A505X308..... Only \$10.50 Monthly, Net 219.95



STROMBERG-CARLSON
• PICKERING • REALISTIC

AUDIOPHILE NET \$484.30 Radio Shack Price **\$387⁴⁴**

YOU SAVE \$96.86 \$18.00 Monthly.

- Stromberg ASR-880 Stereo Amplifier
- 2 Realistic Electrostat 4A Speakers
- Stromberg PR-500 Turntable
- Pickering 380A Stereo Cartridge

If you want to hear your favorite shows, classics, or pop albums with absolute realism, then this is the system for you! The Pickering 380A diamond stereo cartridge picks up every nuance of sound and is encapsulated for a lifetime of trouble-free use! The powerful Stromberg-Carlson ASR-880 stereo amplifier, with dual 40 watt amps, magnificently projects the sound, while the Stromberg-Carlson turntable—Model PR-500—is dual-driven with two hysteresis synchronous motors! Never, never any wow, flutter or rumble! You'll love the full-range 3-way speaker system, too—a pair of beautiful Realistic Electrostat 4A's which are built around the world-famous Electrostat-3 tweeters. And as an extra "plus," the cabinets are exquisitely handcrafted from genuine teakwood, the wood of Kings! This is truly the ultimate in stereo system—yet Radio Shack has priced it for genuine savings. Ship. wt. 129 lbs. A505X309..... \$18.00 Monthly, Net 387.44



• • • Available on Easy Budget Plan!

HARMAN-KARDON • GARRARD
• SHURE • REALISTIC

AUDIOPHILE Radio Shack Price **\$310⁶⁹**
NET \$388.35

YOU SAVE \$77.66 \$15.00 Monthly

- Harman-Kardon TA-224 Stereo Receiver
- 2 Realistic Electrostat II Speakers
- Garrard 210 Automatic Changer
- Shure M7D Stereo Magnetic Cartridge

Here's a sensational gathering of highest quality components for the creation of a perfect and complete music center in your home! The Harman-Kardon TA-224 tuner and amplifier has dual 12 watt amplifiers, controls for every stereo and monaural function, and precision AM-FM tuning! The world-favorite Garrard 210 automatic changer with Shure M7D cartridge assures dependable, trouble-free, smooth, noiseless operation! Completing the system is a pair of Realistic Electrostat II speakers which provide 30-25,000 cps response with no distortion. Each has a 4-element tweeter for 120° dispersion and a specially designed woofer. Hand-crafted in genuine teakwood the cabinets add grace and beauty to your home, no matter what the decor! Ship. wt. 96½ lbs.
A505X306.....Only \$15.00 Monthly, Net 310.69



FISHER • REK-O-KUT
• SHURE • ELECTRO-VOICE

AUDIOPHILE Radio Shack Price **\$389⁹⁵**
NET \$459.97

YOU SAVE \$70.02 \$19.00 Monthly

- Fisher X-100 Stereo Amplifier
- Rek-O-Kut L-34 Turntable and 12" Stereo Tone Arm
- Shure M3D Professional Stereo Cartridge
- 2 Electro-Voice Leyton Speakers

Expect—and get!—stereo thrills with this famous combination! With 18 watts per channel, the Fisher X-100 provides complete power for stereo and mono operation. Rek-o-Kut L-34 turntable has 12" tone arm equipped with Shure M3D cartridge. 2 Electro-Voice Leyton speakers deliver incomparable sound. Specify finish. Ship. wt. 134 lbs.
A505X310.....\$19.00 Monthly, Net 389.95

H. H. SCOTT • REALISTIC
• GARRARD • PICKERING

AUDIOPHILE Radio Shack Price **\$544⁹⁵**
NET \$658.75

YOU SAVE \$113.80 \$29 Monthly

- H. H. Scott 399 Stereo Receiver
- 2 Realistic Electrostat 4A Speakers
- Garrard 88 Mark II Automatic Changer
- Pickering 380-C Stereo Cartridge

THIS IS IT! Look no further if you want a stereo dream-come-true... for here, in this incomparable group of quality components, is a complete stereophonic home music system unequalled anywhere! Heart of the system is the H. H. Scott 399 Stereo Receiver with AM-FM tuner and dual 20 watt amplifier on one compact chassis! The Garrard 88/Mark II changer features a pusher platform and plays all records, all 4 speeds! The Pickering 380-C magnetic stereo cartridge plugs right into the 88's tone arm and is encapsulated for a lifetime of hum-free, trouble-free use. Still another highlight in this tremendous grouping of hi-fi equipment is the speaker system—2 Realistic Electrostat 4A speakers stunningly finished in genuine teakwood. Each is a 3-way wide-range system in itself and delivers brilliantly, cleanly, magnificently. Yes, indeed... truly a stereo dream-come-true... and at Radio Shack savings! Ship. wt. 137 lbs.
A505X307.....\$29 Monthly, Net 544.95



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RADIO SHACK • 17

REALISTIC

New Design Stereo 40/A 40 Watt Stereophonic Amplifier



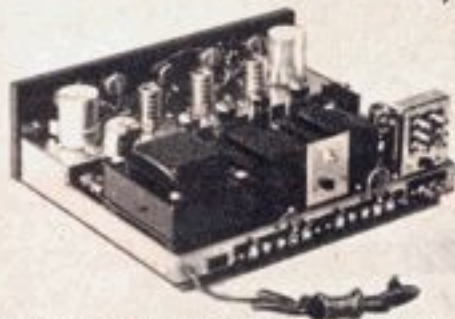
Easy to Own on
Easy Budget Terms
\$5 Monthly

\$79.50



- Advanced REALISTIC styling and design!
- 20-Watt stereo channels, 80-watts peak monaural!
- Completely wired, includes handsome cabinet!
- Inputs for tuner, RIAA phono, tape head, auxiliary!
- 9 tubes plus rectifier for 14-tube operation!
- Massive power transformers, ultra-stable output!

Outstanding Features of the REALISTIC Stereo 40/A



OVERSIZED, SUPER-POWERED TRANSFORMER—This transformer provides exceptionally wide frequency response. Good regulation of output voltage under varying loads permits use of all outputs or inputs without power loss.

INPUTS — 8 total — all selectable from the front panel. 2 (RIAA) phono magnetic, 2 tuner (stereo), 2 tape head and recording, 2 auxiliary high level.

TUBE COMPLEMENT — Five 12AX7/ECC83, Four 6BQ5/EL84, 5AR4.

MATCH ANY SPEAKER SYSTEM—Conservative power rating enables the Stereo 40/A to drive the least efficient speaker system effectively. Output impedances of 4, 8 and 16 ohms are provided.

OUTLET JACK—Included for third channel speaker addition.

You've dreamed of owning a first quality amplifier with decorator styling. Now Radio Shack makes your dream come true and saves you money too! The Stereo 40/A combines the knowledge and experience of countless minds with the styling of the future. It offers the quality features that are in demand today. It offers what everybody wants and does it at a price everybody can afford. The exquisite exterior design is simplified yet has control functions at easy to reach positions. The custom maroon, white and gold metal cabinet blends delicately with the finest of interior motifs. Whether used in a game room, living room or music room the handsome styling of the Stereo 40/A will add distinctiveness and smartness to your decor—the object of your guests' admiration! And behind that beauty lies a powerhouse of action that rivals components costing three times more. Realistic quality control, through exhaustive testing, proves that honest watts need not be expensive. The Stereo 40/A delivers more clean watts per hi-fi dollar than any other component available . . . and still maintains the highest quality on the market! Moreover, this is not a kit; it is completely wired and includes the cabinet. It's not a peewee but measures 4 1/2" x 9 1/2" to hold the big package of power it hides. And, to keep in time with progress it includes an output jack for third channel speaker addition.

LABORATORY VERIFIED SPECIFICATIONS

Circuits: 9 tubes plus full-wave rectifier—5 duals included for 14 tube operation. Hum Level: (Measured with Balance control in mid position, Volume control maximum, based on 20 Watts output) Mag. Phono -59 db; Tape Hd. -59 db; Tuner -79 db; Aux. -79 db. Power Output: 20 watts each channel measured at 400 cps with 5% total R.M.S. harmonic distortion, 1.5% I.M. distortion $\frac{1}{2}$ 60/3000 cps 4/1 ratio. Sensitivity: (Measured with Balance control in mid position, for 20 watts output) Mag. Phono 3.0 millivolts $\frac{1}{2}$ 1000 cps; Tape Hd. 2.2 millivolts $\frac{1}{2}$ 500 cps; Tuner 180 millivolts $\frac{1}{2}$ 1000 cps; Aux. 180 millivolts $\frac{1}{2}$ 1000 cps. Pre-amplifier Tubes: Totally dc operated. Tone Control: ± 10 db $\frac{1}{2}$ 50 cps; ± 10 db $\frac{1}{2}$ 10,000 cps. Frequency Response: ± 1 db 20-20,000 cps. Loudness Control: $+14$ db $\frac{1}{2}$ 50 cps; $+3$ db $\frac{1}{2}$ 10,000 cps. Feedback: 20 db. Equalization: Tape Hd. ± 1 db NAHTB; Mag. Phono ± 1 db RIAA. Output Impedances: 4, 8, 16 ohms. Power Consumption: 135 watts. Input Impedances: 100 K phono and tape hd., .5 meg. tuner and aux. Front Panel Controls: Bass, Treble, Balance, Source Selection, Loudness, Volume, Phasing and Power. Rear Panel Controls: Hum adjust., Convenience AC Receptacles; Aux. equipment. Dimensions: 12" x 4 1/2" x 9 1/2". Ship. wt. 22 lbs. A90LK055 Stereo 40/A. \$5 Monthly, Net 79.50

Soaring to New Stereo Heights, REALISTIC
Creates an Outstanding FM-AM Receiver...

REALISTIC

THE STEREO-50!...at an Unbelievable Low Cost!



\$169⁹⁵

Only \$8.50 Monthly
Compare With Units
Selling for Almost
Twice This Price!

- Has Powerful Amplifier And High Sensitive Tuner on One Space-saving Chassis!
- 2 20-watts Stereo Channels, 80-watts Peak Monaural!
- 4 Inputs! 3rd Channel Speaker Output Jack! Adapted for Stereo Headphones!



Distinctively Designed! Skillfully Engineered! Priced For Everyone!

Only REALISTIC could have created such a magnificent unit as this . . . and only Radio Shack could offer it to you at so low a price! . . . Here, in the new Stereo 50 FM-AM Receiver, you'll find compactness, exquisite beauty and skillful engineering that's unequalled anywhere! Here is a powerful, 40-watt amplifier . . . a precision-crafted stereo FM-AM tuner . . . stunning, advanced styling—ALL combined in ONE fabulous, space-saving, handsome unit! Best of all, here's a wonderfully sensible price that every stereophile can afford! This amazing receiver contains separate FM and AM tuning sections of unusual sensitivity and two powerful amplifiers—each providing 20-watt stereo power which can be paralleled for 40-watt monaural, 80-watt peak! In all, the entire receiver contains 20 tubes plus rectifiers . . . with 6 dual-purpose tubes for 20 TUBE PERFORMANCE! The tuner alone has 10 tubes with 3 dual-purpose for 13 tube performance! Other tuner features: exclusive dual Synco-Matic sensitivity meters for visual approach to precision tuning; Armstrong circuit with two limiters, and Foster-Sedley discriminator; famous Realistic 5-position switch for true multi-purpose use—for Monaural AM, Monaural FM, FM-AM Stereo, FM Multi-Stereo and Multiplex Monaural; extremely wide frequency response. THE AMPLIFIER features massive power transformers, inputs for tuner, aux., RIAA phono, and tape head. Distortion is virtually zero even at its loudest levels, and for "whisper-soft" listening, there's a loudness switch that automatically brings out the whole range of instruments clearly. As an extra-special "plus," connectors are included for Stereo Headphones, consisting of 3-circuit jack, dpdt switch, attenuator resistors for headphones, and 2-W. load resistors. Included also are a rotary mode switch and an output jack for third channel speaker addition! Yes, all this—and more!—is combined on one compact, power-packed chassis! Look at the specifications on the right! The proof is there! The Stereo 50 FM-AM Receiver is matchless in both quality and in price . . . as always, with magnificent REALISTIC hi-fi components! Shipping weight 37 lbs.

A90LX050 Realistic Stereo 50 Only \$8.50 Monthly, Net 169.95

T-50 SPECIFICATIONS

FM-AM TUNER SECTIONS: General: Harmonic Distortion .75% on FM, .1% on AM up to 90% modulation. Hum level 60 db. AM: Tuned RF stage; Superhet circuitry with 3 stages AVC, and ferrite loopstick antenna. 2 μ v sensitivity. Audio bandwidth is ± 3 db 20 to 9.5 kc. Whistle filter better than 65 db at 10 kc. FM: 20-18,000 ± 2 db frequency response. Automatic Frequency Control: Separate IF and detection stages; on and off AFC negligible drift with AFC 3000 antenna input.

40-WATT AMPLIFIER SECTION: Has 9 tubes, plus rectifier with 5 diodes for 14 tube operation. Hum level based on 20 W. output: -59 db mag. phono and tape head; -79 db tuner and aux. Power output: 20 W. each channel measured at 400 cps with .9% total RMS harmonic distortion, 1.5% IM distortion @ 60/3000 cps 4/1 ratio. Sensitivity at 20 W. output: Mag. Phono 3.0 mv @ 1000 cps; tape head 2.2 mv @ 500 cps; tuner 189 mv @ 1000 cps; Aux. 180 mv @ 1000 cps. Preamplifier tubes: Totally dc operation. Tone Control: ± 10 db @ 50 cps; @ 10 db @ 10,000 cps. Frequency Response: ± 1 db 20-2000 cps. Loudness Control: +14 db @ 50 cps; ± 3 db @ 10,000 cps. Feedback: 20 db. Output impedances: 4, 8, 16 ohms. Power consumption: 135 watts. Input Impedances: 100K phono and tape hd., .5 meg. tuner and aux. Front Panel Controls: Bass, Treble, Balance, Source Selection, Loudness, Volume, Phasing and Power. Rear Panel Controls: Hum adjust. Convenience AC receptacles: Aux. equipment.

TUBE LINE-UP: 20 tubes (with 6-dual purpose) give 20-tube performance! 2 6AQ5, 4 6BA6, 1 6AU6, 1 6BE6, 1 6AL5, 5 12AX7, 4 ELS4, 2 6CA4.

Your Dollars Are Stretched By Radio Shack's Low Prices and Easy Terms

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RADIO SHACK • 19

REALISTIC**DELUXE STEREO TUNER**
with Dual Tuning Meters!**NEW!****\$72⁹⁵**
\$5 Monthly

Presenting the New Realistic 40-T FM-AM Tuner!

Skillfully created by REALISTIC engineers for the highest sensitivity . . . for the finest reception!

PERFORMS WAY OUT OF ITS PRICE RANGE!

Prepare for a new FM-AM tuner thrill—the REALISTIC 40-T, a masterful engineering accomplishment that's destined to enthuse . . . delight . . . excite the whole audio world! Here are features that reach far ahead of their times . . . styling so advanced, sensitivity so keen that only REALISTIC could have created it! Yet the price is so wonderfully low that we at Radio Shack can confidently declare: This is the **BEST TUNER VALUE** on the market today! Just look at all the fascinating features you get for only \$72.95! 10-tubes plus rectifier . . . 3 dual-purpose for 13-tube performance! Exclusive dual Synco-matic sensitivity meters for visual approach to "right-on-the-button" precision tuning! Armstrong circuit with two limiters, and a Foster-Seeley discriminator! Extremely wide frequency response! On-off power switch, on-off AFC, and, of course, REALISTIC's famous 5-position

selector switch for multi-purpose use — Monaural AM, Monaural FM, Multiplex Monaural, FM-AM Stereo and FM Multi-Stereo! Also included in this exciting unit are a handsome gold matching cabinet with new picture frame design for easy custom installation. Yes, indeed! Prepare for new listening thrills as REALISTIC proudly presents its latest, finest tuner—the 40-T!

SPECIFICATIONS:

GENERAL: Hum level 60 db. Harmonic Distortion .75% on FM, .1% on AM up to 90% modulation. Has 10 tubes: 3 6AU6, 1 6AL5, 1 6X4, 2 6A28, 2 6BA6, 1 6BE6. **FM CIRCUITRY FEATURES:** 2 μ v at 100% modulation with less than 3% distortion. Frequency Response: 20-18,000 \pm 2 db. Automatic Frequency Control. Separate IF and detection stages, on and off AFC, negligible drift with AFC. 3000 Ω antenna input. **AM FEATURES:** Tuned RF stage. Superhet circuitry with 3 stages AVC and ferrite loopstick antenna. 2 μ v sensitivity. Audio bandwidth is \pm 3 db, 20 to 9.5 kc. Whistle filter better than 65 db at 10 kc.

A901X052 Realistic 40-T Only \$5 Monthly, Net 72.95

25% OFF!**\$59⁵⁰**
\$5 Monthly

Priced Lower Than Ever! T-5 FM-AM Stereo Tuner!

Has every feature you've seen, or wanted or will ever need . . . yet the new price is excitingly low!

TEN YEARS AHEAD OF ITS TIME!

ASTOUNDING is the word for this REALISTIC masterpiece of superb engineering, because in 1970—ten years from now—it will be as new and fresh in styling and design as it is at this very moment! And remarkable, too, is the fact that Radio Shack's experts bring you this amazing stereo not at \$150 . . . not at \$100 . . . but at the monaural price of only \$59.50! No other tuner in America—regardless of price—offers so many unusual features . . . such advanced engineering! No other tuner—regardless of price—offers 5-way versatility! Yes, use it five ways! FM . . . AM . . . FM-AM stereo . . . AM multiplex stereo . . . plus provisions for feeding (with an adapter) single channel FM multiplex broadcasts through your regular monaural hi-fi system. And because it's wired

for multiplex and has provision for an adapter, it will never become outdated! Furthermore, switching arrangement and input jacks are such that no more than the conventional tuner input (left and right) of a stereo amplifier need be used for most any combination of stereo reception. Check the specs below. See for yourself why this exciting T-5 stereo tuner has caused such a stir in the stereo world. It's just one more reason why REALISTIC is America's best buy in hi-fi!

SPECIFICATIONS:

2.5 microvolt sensitivity for 30 db quieting @ 100% modulation. Low noise grounded grid front end. AFC defeat switch pulls in weak FM stations. Foster-Seeley discriminator. 2 separate front ends . . . separate IF detector stages. Ultra-quiet tuned RF AM. Broadband IF with separate crystal diode detector. 9 tubes plus rectifier . . . 3 duals for 12-tube operation. Separate illuminated dials with separate tuning knobs. Handsomely designed in gold, maroon and white metal case. Size 14 $\frac{1}{2}$ " H x 4 $\frac{1}{4}$ " W x 8 $\frac{3}{4}$ " D. Ship. wt. 17 lbs.

A901X046 Realistic T-5 \$5 Monthly, Net 59.50

REALISTIC

Budget-Priced HI-FI TUNERS

Brilliantly Engineered and Designed—Yet Economical!

FM

\$39⁹⁵

ONLY \$5 MONTHLY

Includes Cabinet and Picture-frame Panel!

- Includes jack for Multiplex Stereo Reception
- Thousands sold at \$44.50!
- Remarkably sensitive!
- Deluxe features throughout!

Introducing Radio Shack's "big tuner buy-of-the-year"! The Realistic FM T-3 brings all the luxury and delight of FM listening within the reach of everyone's budget! Look anywhere in this country . . . you just won't find features or performance like this on tuners at anywhere near this price range. With its remarkable sensitivity, it produces flawlessly the full richness of classical music programs and local symphony broadcasts. Deluxe features like the following are usually found only in more costly tuners: Low noise FM reception, 2 microvolts for 30 db quieting. Easy accurate tuning, 7 tubes including 2 duals for 9 tube operation. New separate mixer tube. New cascade front end, AFC defeat switch, Armstrong circuitry with double tuned

limiter, triode mixer, tuned RF stage, 3 gang condenser. Jack is included for multiplex reception; output to any amplifier, sound system, phono or TV. It also has a practical phono feed-thru which makes it usable wherever there is a simple phono input without the addition of external switch. As for its appearance: it's handsomely designed with gold, maroon, and sand white cabinet, has calibrated illuminated slide dials, and comes with a picture-frame panel for decorative custom-mounting. Size: 9 3/8" x 4 3/8" x 6 3/4". Yes, indeed, this is a startling tuner which performs way out of its price range! Ship. wt. 10 lbs.

A90LX030 Realistic FM T-3 Only \$5 Monthly, Net 39.95



\$49⁹⁵

ONLY \$5 MONTHLY

Handsome Cabinet Included

**FM
AM**

- 2 microvolt sensitivity, tuned RF stage!
- Also plays through TV, tape recorders, phonos!

Skilled engineering . . . painstaking design . . . clean, true FM and high fidelity AM reception . . . compact, handsome, "fit-anywhere" styling! All of these are yours—plus real economy—in Radio Shack's precision-crafted REALISTIC FM-AM Tuner! It's a perfect performer for either monaural or stereo systems. And at this low price, they're ideal as extra tuners for the den or rumpus room, for use with TV sets, tape recorders or other equipment with input jacks. The handsome gold, white and maroon cabinet is included in this fabulous tuner bargain, too! Size: 11 3/16" x 4 3/8" x 8 3/8". Check the specs below, take a look at that thrilling low price—you'll see what VALUE really means!

SPECIFICATIONS: FM—Precision 3-gang tuning condenser; separate tuned RF stage for extra FM sensitivity; Armstrong circuitry with double-tuned limiter and triode mixer. Sensitivity of 2 μ v for 30 db quieting @ 100% modulation, 20-20,000 cps response. Total harmonic distortion not greater than 0.5%; automatic freq. control "locks in" FM stations. AM—Ultra-quiet RF stage; broadband tuned IF stage, germanium diode detector; sensitive ferrite loopstick antenna, 20-7500 kc. Truly a fabulous performer—truly a fabulously low price! Ship. wt. 15 lbs.

A90LX030 Realistic FM-AM Only \$5 Monthly, Net 49.95

At Radio Shack . . . Transistor Radios . . . Lowest Prices . . . Biggest Assortment . . . See Pages 5, 6 and 7

RADIO SHACK • 21

Famous Realistic 12 Watt HI-FI Amplifier

With Built-in Preamp and AC Power Supply!

- 20-20,000 cps response
- RIAA equalized Pre-amp
- Completely wired
- Ready for stereo



Radio Shack presents the REALISTIC AF-12... lowest-priced high fidelity amplifier features full frequency response of 20-20,000 cps—at less than 1% distortion! Complete and ready to use. Nothing to solder, wire or build, the AF-12 is custom factory wired. Two AF-12's plus the Stereo Master (below) provide true stereo listening at a low cost. Designed by Realistic engineers to bring you real high fidelity at an amazingly low price.

SPECIFICATIONS: Treble Control: 18 db @ 18 kc. Bass Control: 15 db @ 50 cps. Hum: 80 db below 12 watts. Outputs: 4, 8, 16 ohms, direct feed to tape recorder. Inputs: Tuner, hi imp. mike, xtal pickup, mag. pickup, AC receptacle. Tubes: 2-12AX7, 2-6V6GT, 5Y3. Built-in power supply. Size: 9 1/2" x 6 3/4" x 6 3/4". Complete with standard RETMA guarantee. Ship. wt. 12 lbs.

A90LX020Y AF-12.....\$5 Monthly, Net \$29.95

Use Radio Shack's **EASY BUDGET PLAN**
Quick and Convenient! See Page 3 for details.

Reduced from
\$34.50

\$29⁹⁵

Only \$5 Monthly



REALISTIC

Stereo
Master
CONTROL



Sold for
as much as
\$19.95!

\$17⁹⁵

- Exclusive at Radio Shack!
- Low Cost Stereo Conversion!
- Complete Control at Your Hand!

Enjoy the magic of stereo now—convert your hi-fi system to stereo with the Stereo Master. Use with two Realistic AF-12's, AF-15's or any 2 identical 10, 12 or 15 watt amplifiers. Provides centralized control of balance, volume, channel switching and mode of operation. Complete with instructions. Metal case measures only 2 3/4" x 3" x 4 1/2". Ship. wt. 3 lbs.

A91L525.....Net \$7.95

Reliable Realistic 15 Watt HI-FI Amplifier

- Not a Kit!
- Completely Assembled!
- Powerful 6-tube Chassis!

Complete hi-fi amplifier with full controls assures clean, balanced sound under any listening conditions. Yet this deluxe high fidelity amplifier is actually priced lower than most kits! The AF-15 delivers 15 watts of power (30 watts peak) with near-zero distortion. And it includes a handsome gold, white and maroon cabinet. Buy two, plus the Stereo Master, and you're all set for stereo listening. Special loudspeaker switch allows you to vary your speaker arrangements.

SPECIFICATIONS: Tone Controls: 15 db @ 50 cps, 15 db @ 12,000 cps. Hum: 75 db below 15 watts. Outputs: 4, 8, 16 ohms. Inputs: Tuner, hi imp. mike, xtal pickup, mag. pickup, AC receptacle. Equalization: Phono (RIAA) +1 db, Tape head (NARTB) +1 db. Tubes: 2-12AX7, 2-6BQ5, 12AU7, 12Z81. Built-in power supply. Size: 9 1/2" x 6 3/4" x 4 1/4". Ship. wt. 15 lbs.

A90L000Y AF-15.....\$5 Monthly, Net \$39.95



- 20-70,000 cps, Under 1% R.M.S. Distortion
- Includes Case
- Powerful 15 watt Push-pull Output
- Plug in and Play!

\$39⁹⁵

Reduced from \$49.95

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Radio Shack Guarantees "Satisfaction Or Your Money Back". See Page 1.

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REALISTIC

Quality High Fidelity Equipment at Radio Shack Low Budget Prices



\$19⁹⁵

Formerly \$29.95

REALISTIC 2-CHANNEL STEREO-7 AMPLIFIER

- Fully Wired and Assembled—NOT A KIT!
- AC Powered! Stereo/Mono Switch
- 12 db Inverse Feedback on Both Channels

STEREO-7—Remarkable REALISTIC amplifier carefully engineered to bring full, rich-toned volume to the average-sized room. Here are fabulous features in a moderate-priced unit: field control panel for balanced stereo and thrilling monaural sound; 12 db inverse feedback on both channels; stereo/mono switch; unique tone control circuitry! Another standout stereo triumph for Realistic. **TONE CONTROLS**—rumble and scratch suppression when used in extreme position. **FREQUENCY RESPONSE**—50 to 30,000 cps. **OUTPUT IMPEDANCE**—8 ohms. **INPUTS**—Tuner, Stereo ceramic and stal cart., tape. **SIZE**—9¹/₂" x 4¹/₂" x 4¹/₂". Handsome gold, white and maroon cabinet.

A90LX022 Ship. wt. 8 lbs. Net 19.95



\$19⁹⁵

Formerly \$24.50

REALISTIC STEREO ANALYST Here's your key to better stereo

- Home lab servicing. With instruction booklet!
- Easiest, most precise way to balance stereo channels!

Our budget-priced REALISTIC STEREO ANALYST is a must for all stereo and hi-fi enthusiasts! It's small in size . . . but a giant when it comes to exacting performance and efficient output. Has 2 matched level meters with built-in audio oscillator section. It also checks tracking of ganged volume controls, loudspeaker phasing, speaker efficiency comparison, etc. Has normal-calibrate switch for establishing signal levels. Includes 3 "Z" type cells, shielded cables, lead, and instructions.

A94L049 Ship. wt. 3 lbs. Net 19.95

REALISTIC EXCLUSIVE! CATHODE FOLLOWER AMPLIFIER



Compare this exceptional amplifier with similar ones selling for as much as \$30!

\$9⁹⁵

Only \$2 Down

Here's a "Great Performer" that fills a void in the audio field at such an economical price that you can't afford not to take advantage of it! Use two or more in parallel as mike mixers; locate stereo record player up to 30 feet from amplifier; make recordings up to 300 feet from a high impedance input. 18-20 db gain, less than 1% RMS distortion, ±db 15 cps to 100 kc.

A90LX014 Ship. wt. 3¹/₂ lbs. Net 9.95

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COMPLETELY WIRED STEREO AMPLIFIER

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- Separate volume controls
- Stereo/monaural switch
- Self-contained AC-DC Power Supply

\$9⁹⁵

Compare at \$21.95

Imagine—2 channel stereo for less than \$5.00 a channel! Not just another low-cost unit but a quality amplifier superior to those being replaced in many phono conversions. Perfect for converting phono to low cost stereo or for basic "stereophiles." Built-in AC-DC power supply, crystal ceramic inputs and 4-ohm output impedance to match most speakers. Controls: stereo-mono, phono-tuner, scratch and noise filter off-on, power off-on, separate left and right channel volume controls. 5" x 5" x 5¹/₂". Gold and maroon metal cabinet with matching escutcheon panel.

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- AHSC-12: Strauss Waltzes and Polkas
- AHSC-14: Franck Organ Works
- AHSC-16: Peer Gynt Suite #1; Capriccio Ital.
- AHSC-18: Beethoven Symphony #2
- AHSC-20: Tchaikovsky 4th Symphony
- AHSC-22: Slavic Moods, Hallmark Symph.
- AHSC-24: Polovetsian Dances, Hallmark Sym.
- AHSC-26: Haydn Symphs. Military, Surprise
- AHSC-28: Grofe Grand Canyon Suite, Compl.
- AHSC-30: Leroy Henderson Pops, Pops Orch.



*THE REALISTIC-HALLMARK STORY

The sound on these records is engineered to perfection and is the final product of years of research and development of stereophonic recording techniques. All original recordings are made with NEWMANN SM-2 Microphones on AMPEX 350-2 and 300-3 tape recorders affording a frequency response of from 20 to 20,000 cycles per second. Original master disks are cut with a Telefunken-Decca Z590/45 cutter on a Neumann AM 32B lathe using a special amplification system. All phases of recording, mastering, and quality control are scrupulously supervised.

20 12" LP RECORD SET—WORLD'S GREATEST MUSIC

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• Eminent artists

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A complete library of the world's most beloved masterworks, superbly performed and recorded—conveniently packaged in a handsome bound album. Includes informative guide on composers and works. Rimsky-Korsakov Scheherazade, Franck Symphony in D Minor, Tchaikovsky Symphony No. 5—and so many more musical milestones in this marvelous collection. Ship. wt. 25 lbs.

AWGM-20\$5 Monthly, Net 29.95

GENERAL INDUSTRIES Phono Motors



\$12⁹⁰

4-Pole, 4 Coil Motors

MODEL D55—Replacement motor operates at 78, 45 and 33 rpm. Ship. wt. 6½ lbs. A15CX657Y D55.....Net 14.70
 MODEL RM-4-3—33 rpm motor widely used as a recording motor. Has retractable pin in table for playing standard records without adjustment. Ship. wt. 9 lbs. A15CX655Y RM-4-3.....Net 12.90



\$7⁶⁵

\$7⁰⁵

Battery Powered Motors

Up to 135 hours from 4 flashlight cells. Plastic turntable, self lubricating mount. Ideal for portable phono or portable transistor radio-phono. 6¼" x 4½" x 2¼", 2" below mounting surface. Ship. wt. 1 lb. A15CX173 BX-45, For 45 rpm... Net 7.65
 A15CX172 BX, For 45,33,16 rpm. Net 8.70



2-Pole Motors

MODEL TR—Replacement motor operates at 78, 45 and 33 rpm. Three separate pulleys employed for each speed. Shipping weight 4 lbs. A15CX146Y TR.....Net 7.47
 MODEL 55-4—Vertical idler type for 78, 33, 45 and 16 rpm. Ship. wt. 4 lbs. A15CX167Y 55-4.....Net 7.05

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72" Hi-Fi Jumper Cable Assemblies

- A B** INPUT-OUTPUT cable. Standard phone plug and standard 2-way barrel jack. Ship. wt. ¼ lb. A91L553.....Net .69
C B INPUT-OUTPUT cable. RCA-type phono plug and standard 2-way barrel jack. Ship. wt. ¼ lb. A91L562.....Net .59
A D INPUT-OUTPUT cable. Male standard 2-way plug and RCA-type phono jack. Ship. wt. ¼ lb. A91L565.....Net .59

- A H** STANDARD phone plug to pair of tinned alligator clips — parallel cable unshielded. Ship. wt. ¼ lb. A91L511.....Net .59
C G STANDARD phone plug to tinned ends. Shielded cable. Shipping wt. ¼ lb. A91L513.....Net .39
C E STRAIGHT phone plug to right angle phone plug. Wt. ¼ lb. A91L514.....Net .69
F D RIGHT ANGLE phono plug to straight phono jack. ¼ lb. A91L516.....Net .69

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PLUGS—JACKS—ADAPTERS

- I** BARREL HANDLE PHONE PLUG—2-cond. screw terminals, 1¼" x ¼". Ship. wt. 2 oz. A95L633.....Net .23
 A95L633-10 Set of 10.....Net 1.95
J SHIELDED PHONE PLUG—2-cond. screw terminals, nickel-plated brass. 1¼" x ½". Ship. wt. 3 oz. A95L630.....Net .29
 A95L630-10 Set of 10.....Net 2.50
K 2-COND. PHONE PLUG—Solder term., built-in cable clamp. Tenite handle. 1¼" x ½". Ship. wt. 2 oz. A95L619.....Net .30
 A95L619-10 Set of 10.....Net 1.25
L SHIELDED PHONE PLUG with RCA-TYPE PHONO JACK ADAPTER—2¼" x ½". Ship. wt. 2 oz. A91L582.....Net .33
 A91L582-5 Set of 5.....Net 1.50

- M** MINIATURE PLUG AND JACK—Open or closed circuits, control knob. 1" x ⅝". Ship. wt. 1 oz. A95L641.....Net .20
 A95L641-10.....Net 1.95
N INLINE JACK ADAPTER—Connect mike plug to amplifier. Nickel-plated brass. 1" x 2¼" deep. Ship. wt. 2 oz. A91L578.....Net .30
O SUB-MIN. SHIELDED JACK AND PLUG—Jack mounts in ¼" hole in panels to ½" thick. 2-cond phono plug takes to ⅜" O.D. cable. ⅜" dia. nickel-plated brass. Ship. wt. 3 oz. A95L610.....Net .35
 A95L610-10 Set of 10.....Net 1.50
P STANDARD OPEN CIRCUIT PHONO JACK—Fits all ¼" plugs, ⅜" bushing, ½" long. Ship. wt. 2 oz. A95L632.....Net .18



REALISTIC

Accessories for Audio Systems

- Q** REALISTIC HI-FI MIXER—With volume controls, momentary cutoff. 2 RCA female inputs, 1 RCA male output. 1¼" x 2¼" x 1¼". Ship. wt. ¼ lb. A91L532.....Net 1.65
 Above but with 2 Amphenol PC1M inputs and MC1F output. Wt. ¼ lb. A91L535.....Net 1.65
R 8, 16 OHM L PADS—Control tweeter, midrange or remote. 2¼" sq. x 2¼" d. Shipping weight 6 oz. A91L545 8 ohm.....Net 1.45
 A91L549 16 ohm.....Net 1.45
S TWIN RCA TYPE JACK COUPLER—Insulated, sure fit. Wt. ¼ lb. A91L523.....Net .39
T SHIELDED JACKS, PLUG—Nickel-plated, fits to ¼" O.D. Adapter detaches to fit ⅜" cables. Size 3¼" x 3¼". Shipping weight ¼ lb. A91L592.....Net .57
 A91L592-10 Set of 10.....Net 5.25
 Matching 2" x ¼" jack for above. ¼ lb. A91L591.....Net .52
 A91L591-10 Set of 10.....Net 4.85

- U** REALISTIC STYLUS GAUGE—Accurate, 0-30 gram weighing while arm in playing position. Ship. wt. ¼ lb. A91L037.....Net .89
V "SPEED-CHECK" DISC & BULB STROBOLAMP—Times speed of turntable professionally. Shipping weight ¼ lb. A15C699.....Net 1.15
W "Y" JOINT PHONO CONNECTORS—Shielded. 2 RCA-type jacks and RCA-type phono plug. Ship. wt. ¼ lb. A95L683.....Net .69
 2 RCA JACKS and standard phono plug. Shipping weight ¼ lb. A95L681.....Net .69
VECTOR HEATER RECTIFIER—Eliminate AC hum. Supplies DC heater current to first stage of low level amp and preamp. Shipping weight 6 oz. 6.3V. A33C425 Vector 83001.....Net 5.88
WEATHERS PRESSURE GAUGE—Measures exact tracking force. Non-magnetic, no loose parts. Ship. wt. ¼ lb. A15C498 Weathers P-675.....Net 2.00



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New Stereo AM-FM Tuner \$209⁹⁵
With Wide-Band Design

\$9.50 Monthly

Model 330D: The advanced circuits of this new stereo tuner assure hi-fi performance on both FM and AM channels. FM section features H. H. Scott's unique "silver-sensitive" RF circuitry, heavily silver-plated for highest sensitivity without distortion. Unique wide-range IF transformers make AM sound like FM! Calibrated tuning meter. FM section sensitivity 2.5 microvolts measure at stringent IHFM specifications; 1 microvolt for 20 db quieting with matched 72 ohm antenna; wide-band IF amplifiers for low distortion reception even when station heavily modulates; detector band-width 2 mc, multiplex output. AM section sensitivity 1 microvolt; 10 kc whistle filter. Recorder outputs on both channels. Panel size: 15 1/4" x 12 1/2" x 4 3/4". 105-125 volt, 50/60 cycle ac operation. Ship, wt. 16 lbs.
A36CX466 330-D \$9.50 Monthly..... Net 209.95



Outstanding 50 Watt \$209⁹⁵
Stereo Amplifier

\$9.50 Monthly

Model 299B: Here's a stereo amplifier that has no peer in operating features or performance. Advanced features include: Center channel output; audio balancing facilities for maximum stereo realism; front-panel pickup selector; complete tape monitoring facilities. Includes use of DC on preamp tube heater and aluminum chassis for minimum hum; oversize output transformers for superb bass response even with inefficient loudspeakers. Power output per section 25 watts; harmonic distortion 0.8%; frequency response flat from 20 cps to 30 kc; inputs for stereo cartridge, mike and tape deck as well as any 3 high level sources; separate Bass and Treble controls on each channel; phase reverse; scratch and rumble filters. Front panels size: 15 1/4" x 12 1/2" x 4 3/4". 105-125 volt, 50/60 cycle operation. Ship, wt. 25 lbs.
A33CX378 Model 299B. Only \$9.50 Monthly..... Net 209.95

**Famous Wide-Band Stereo
Tuner Amplifier Combination**

Only \$18 Monthly

\$389⁹⁵

Model 399: Combines the famous H.H. Scott 330D Stereo Wide-Band AM-FM Tuner with the feature-packed 299B Stereo Amplifier. And everything is on one compact chassis for easy operation and installation! All the features and controls of both units are included. H.H. Scott quality is maintained throughout, including silver-plated tuner parts and aluminum/copper chassis. Conservative power rating 20 watts per channel. FM sensitivity 2.5 microvolts (IHFM) or 1.0 microvolts; 20 db quieting on 72 ohm antenna input. Separate inputs for 2 stereo cartridges and tape heads and 3 high level stereo sources. Front panel: 16 1/2" x 6 1/2". Case: 16 1/2" x 13". Ship, wt. 40 lbs.
A36CX910 Model 399... \$18 Monthly, Net 389.95



The Most Advanced \$269⁹⁵
Preamp Available!

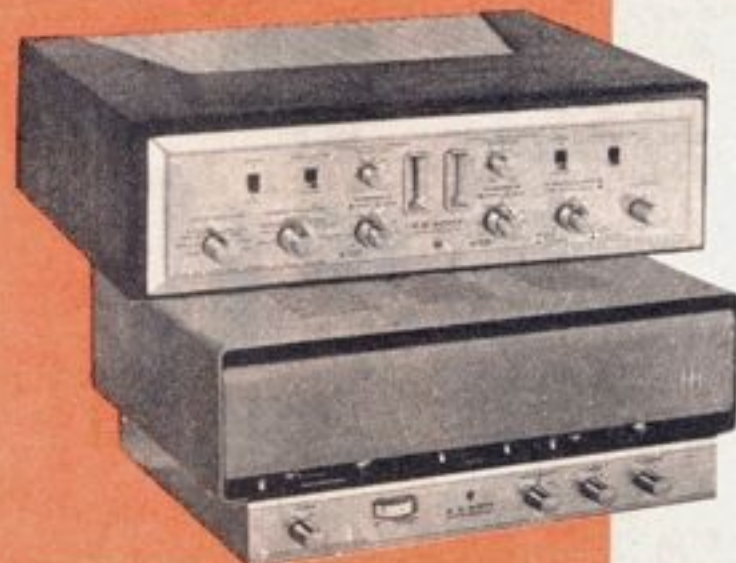
Only \$12.50 Monthly

Model 122: The ultimate in stereo design and research! Incorporates separate Dynamic Noise Suppressors on each channel to eliminate record noise and rumble. "Dyncicator" tubes provide instant monitoring of suppressor operation. 14 front panel controls, complete stereo recorder facilities, 14 tubes, 6 stereo inputs, 3 stereo outputs. Front panel size: 16 1/2" x 6 1/2". 50/60 cycle, AC operation. 105-125 volts. Ship, wt. 16 lbs.
A33CX380 Model 122. Only \$12.50 Monthly..... Net \$269.95

Hi-Powered 90-Watt \$239⁹⁵
Stereo Amplifier

Only \$11.50 Monthly

Model 290: Ideal companion for the 122 stereo pre amp. It meets the needs of the audio connoisseur who demands higher power for optimum reproduction. Features include: unique illuminated meter for instant checking of output tube performance. Power rating 45 watts per channel; frequency response 20 cps to 40 kc. Harmonic distortion less than 0.5%. Hum 85 db below full output. 6CA7 output tubes (4). Dimensions in enclosure: 15 1/4" x 11 1/4" x 7 1/4". 50/60 cycle AC operation; 105-125 volts. Ship, wt. 46 lbs.
A33CX912 Model 290. Only \$11.50 Monthly..... Net 239.95



World Leader in Audio Engineering and Design!



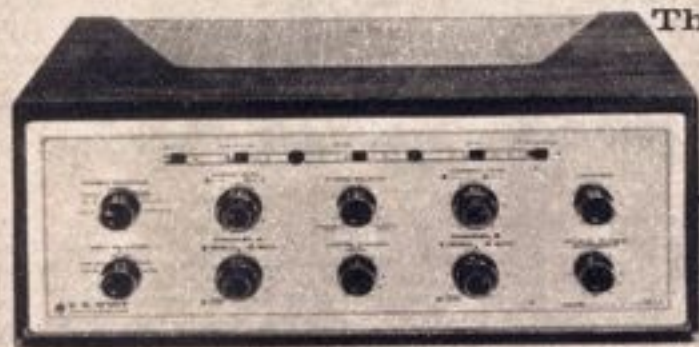
New! Amazing 30-Watt Stereo Amplifier \$144⁹⁵

Model 222B: Here's H. H. Scott high quality and performance in a budget-priced amplifier! Its amazing performance can't be matched by most amplifiers selling for well over \$200! Outstanding features include husky output transformers that easily drive the most inefficient speaker systems; direct current on preamp tubes, all-aluminum chassis practically eliminate hum; input facilities for stereo cartridge and tape-heads. Unique audio balancing system. Complete tape monitoring facilities. Third channel output. Power 15 watts per channel; frequency response flat from 20 cps to 30,000 cps; harmonic distortion less than 0.8%. Panel size: 15 1/2" x 4 3/4". Matches all H. H. Scott tuners, 105-115 volt, 50/60 cycle AC operation. Ship. wt. 21 lbs.
A33CX911 Model 222B.....Only \$7.50 Monthly, Net 144.95



Wide-Band FM Tuner \$114⁹⁵ At a Budget Price!

Model 314: Think of it! H. H. Scott wide-band FM tuner—complete with the fabulous silver-sensitive "front end" and 2 megacycle detector—priced within everyone's reach! Wide-band circuitry means drift-free performance and the lowest distortion even when stations modulate heavily. Sensitivity 2.5 microvolts, using rigid IHFM standards (1 microvolt for 20 db, with matched 72 ohm antenna.) New copper-clad aluminum chassis assures high sensitivity and low audio distortion; illuminated tuning indicator; multiplex output; automatic gain control; tape recorder output; fast and vernier tuning; panel size 15" x 4 3/4". 105-125 volts, 50/60 cycle AC. With cables and antenna. Ship. wt. 10 lbs.
A36CX314 Model 314.....Only \$6 Monthly, Net 114.95



The Ultimate! 88 Watt Amplifier/Preamp \$269⁹⁵

\$12.50 Monthly

Model 272: Here's the finest stereo unit ever produced by H. H. Scott! It combines a heavy-duty power amplifier, rated at 44 watts/channel, with a preamp of unusual flexibility. New patented Dynaural rumble suppressor. Fifteen front panel controls; center channel output; phase reverse; pickup selector; separate Bass and Treble on each channel. Response flat 20 cps to 30,000 cps. Harmonic distortion 0.8%. Hum 80 db below full output; output transformer weight 28 lbs. Front panel: 16 1/2"x6 1/2". 50-60 cps AC. Ship. wt. 45 lbs.
A33CX272 Mod. 272. Only \$12.50 Mo., Net 269.95

New! Deluxe FM Tuner \$184⁹⁵

Model 310D: Used by broadcast stations throughout the world! Features famous wide-band design for drift-free performance and lowest distortion on weak signals. IHFM sensitivity 2.0 microvolts on 72 ohm antenna sensitivity 3/4 microvolts for 20 db. New electro-relay interstation quieting. Silver-plated parts. Multiplex and tape recorder outputs. Sensitive tuning meter. Panel size: 15" x 4 3/4". 105-125 volt, 50/60 cycle. Ship. wt. 13 lbs.
A36CX816 Model 310.....\$8.50 Monthly, Net 184.95

22-W. Monaural Amplifier \$114⁹⁵

Model 99D: Used where the highest quality in monophonic systems is required! Second amplifier easily added for converting to stereo later. Features include speaker selector switch; pickup selector; tape monitoring facilities and husky 22 watt power stage. Specs. Harmonic distortion 0.8%; frequency response flat from 20 cps to 30 kc; aluminum chassis and DC filament supply insure lowest hum. Panel size: 15"x4 3/4". 105-205 volt, 50/60 cycle AC. Ship. wt. 20 lbs.
A33CX305 Model 99D.....Only \$6 Monthly, Net 114.95

CASES FOR H.H. SCOTT AMPS AND TUNERS

| Cat. No. | Type | Description | Fits Model | Ship. wt. | Net |
|----------|------|----------------------|----------------------------------|-----------|-------|
| A33CX391 | C | Leather-Finish Steel | 99, 330, 299, 122, 222, 314, 310 | 1 lb. | 12.95 |
| A33CX461 | CW | Wood-Mahogany Finish | as above | 4 lbs. | 19.95 |
| A33CX462 | CWB | Wood-Blond Finish | as above | 4 lbs. | 19.95 |
| A33CX460 | CWW | Wood-Walnut Finish | as above | 4 lbs. | 19.95 |
| A36X907 | FWB | Wood-Blond Finish | 272, 399 | 6 lbs. | 29.95 |
| 36CX908 | FWM | Wood-Mahogany Finish | 272, 399 | 6 lbs. | 29.95 |
| 36CX909 | FWW | Wood-Walnut Finish | 272, 399 | 6 lbs. | 29.95 |



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harman kardon

\$119⁹⁵
\$6 Monthly



\$109⁹⁵
\$6 Monthly

THE BALLAD

INTEGRATED STEREO AMPLIFIER. Dual 15 watt amplifiers and dual preamplifiers in a superbly styled instrument. Features friction-clutch tone controls, third channel speaker switch, and subphonic filter for eliminating phonograph rumble. Output level: 15 watts per channel, 30 watt peaks. Less than 1% harmonic distortion at maximum output. Output impedance: 8 and 16 ohms. Frequency response: ± 1 db 15-70,000 cps. Channel cross talk: better than 50 db. Minimum volume hum: 80 db below 15 watts. High level hum: 70 db below 15 watts. Low level phono hum: 60 db below 15 watts. Tape head input hum: 55 db below 15 watts. Tone controls: range of bass and treble is ± 12 db at 50 and 10,000 cps. Equalization: Phono, RIAA; Tape, NARTB. Finish: copper escutcheon, silver grey cage. Dimensions: 13 $\frac{1}{2}$ " wide, 4" high, 11 $\frac{1}{2}$ " deep excluding knobs. Power consumption: 125 watts. Ship. wt. 18 lbs.
A33CX564 A23 The Ballad.....\$6 Monthly, Net 109.95
A33CX061 Optional enclosure for A230.....Net 7.95

THE SONNET

STEREO AM/FM TUNER. The ideal stereo companion to "The Ballad" amplifier. Superb reception of stereo AM/FM broadcasts with this one instrument. Jack accommodates multiplex adapter for receiving FM stereo broadcasts. AFC locks each station in every time—improves manual tuning by a factor of 10 to 1. Specifications FM—Sensitivity: 3.5 μ v for 20 db quieting, 7 μ v for 30 db quieting. Selectivity: 240 kc bandwidth, 6 db down. Frequency range: 88-108 mc. Drift ± 5 kc maximum. Image rejection: 40 db. IF rejection: 60 db. Distortion: less than 0.5% IM μ r 30% modulation, less than 3% IM μ r 100% modulation. Frequency response: ± 0.75 db 30-15000 cps. Hum level: 60 db below 100% modulation. Output level: 1.5 v for 100% modulation, 0.5 v for 30% modulation. AM—Sensitivity: 80 μ v/meter. Terminal sensitivity 10 μ v. Selectivity: 10 kc bandwidth: 6 db down. Frequency range: 530-1640 kc. Image and IF rejection: 55 db. Distortion: 1% harmonic. Frequency response: 3 db 20-5000 cps. Hum: 45 db below 80% modulation. Size: 13 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ ". Ship. wt. 15 lbs.
A36CX122 T-230 complete with enclosure...\$5 Monthly, Net 119.95



\$5 Monthly

THE LUTE

\$79⁹⁵

INTEGRATED STEREO AMPLIFIER. Here is the instrument which brings component stereo high fidelity within the reach of everyone. Frequency response: 1 db 20-20,000 cps. Output level: 10 watts per channel, 20 watts peak. Output impedance: 8 and 16 ohms. Record equalization: RIAA. Distortion: Less than $\frac{1}{2}$ % harmonic μ r 5 watts output per channel. Size: 14 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ ". Ship. wt. 14 lbs.
A33CX204 A-220 complete with enclosure.....\$5 Monthly, Net 79.95



\$5 Monthly

THE ARIA

\$99⁹⁵

STEREO AM/FM TUNER. FM—Sensitivity: 2.5 μ v for 20 db quieting, 3.5 μ v for 30 db quieting. Selectivity: 240 kc bandwidth: 6 db down. \pm Drift: 5 kc maximum. Frequency response: ± 0.75 db 30-15,000 cps. Hum: 60 db below 100% modulation. Distortion: less than 1%. AM—Sensitivity 120 μ v per/meter. Selectivity: 8 kc bandwidth, 6 db down. Distortion 1% harmonic. Size: 13 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ ". Wt. 14 lbs.
A36CX315 T-220 The Aria.....\$5 Monthly, Net 99.95
A36CX317 TC-20 Metal enclosure for T-220.....Net 4.95



\$5 Monthly

THE TEMPO

\$69⁹⁵

FM TUNER. A sensitive FM tuner incorporating an Armstrong circuit with limiter and a new broad band Foster-Secley discriminator. Includes AFC and flywheel tuning. Sensitivity: 7 μ v for 30 db quieting, 3.5 μ v for 20 db quieting. Selectivity: 240 kc bandwidth: 6 db down. Drift: ± 5 kc maximum. Frequency response: 0.75 db 30-15,000 cps. Hum: 60 db below 100% modulation. Size: 12 $\frac{1}{2}$ " x 4" x 6 $\frac{1}{2}$ ". Ship. wt. 10 lbs.
A36CX943 F-10 complete with enclosure.....\$5 Monthly, Net 69.95



\$5 Monthly

THE ALLEGRO

\$49⁹⁵

A TRUE HIGH FIDELITY AMPLIFIER at low cost. Output level: 10 watts at less than 1% harmonic distortion. Output impedance: 8 and 16 ohms. Frequency response: 0.5 db 15-30,000 cps μ r 1 watt, 1.0 db 45-20,000 cps μ r 10 watts. Hum: minimum volume, 80 db below 10 watts. Equalization: Phono, RIAA, Tape, NARTB. Size: 12 $\frac{1}{2}$ " x 4" x 6 $\frac{1}{2}$ ". Ship. wt. 11 lbs.
A33CX437 A-10 complete with enclosure.....\$5 Monthly, Net 49.95



\$6 Monthly

THE SONATA

\$114⁹⁵

FM RECEIVER-AMPLIFIER. Combines FM tuner, preamplifier, and power amplifier in one handsome compact assembly. FM—Sensitivity: 7 μ v for 30 db quieting, 3.5 μ v for 20 db quieting. Selectivity: 240 kc bandwidth: 6 db down. Frequency response: 0.75 db 30-15000 cps. Hum: 60 db below 100% modulation. AUDIO—Output level: 10 watts at less than 1% harmonic distortion. Frequency response: ± 0.5 db 15-30,000 cps at 1 watt, ± 1.0 db 45-20,000 cps at 10 watts. Size: 13 $\frac{1}{2}$ " x 11" x 4 $\frac{1}{2}$ ". Ship. wt. 18 lbs.
A36CX944 FA-10 complete with enclosure.....\$6 Monthly, Net 114.95

STEREOPHONIC PERFECTION



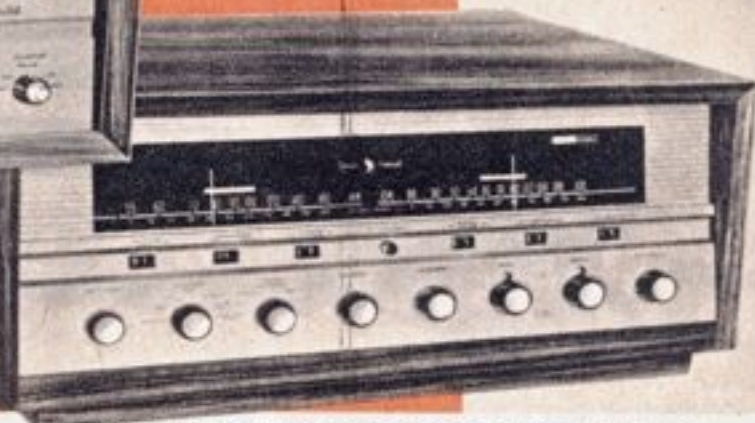
\$199⁹⁵

\$9.50 Monthly

\$299⁹⁵

\$14 Monthly

harman kardon



THE STEREO RECITAL

30 Watt Stereo High Fidelity Receiver. The first complete stereo receiver with professional quality at a moderate price. A powerful 30 watt stereo amplifier with dual preamplifiers and separate sensitive AM/FM sections all in one compact chassis. Blend Control eliminates "hole-in-the-middle" effect. Bass and treble may be adjusted separately for each channel. DC heated preamplifier filaments insure freedom from hum. The Stereo Recital is perfect for the home. Placed on a shelf or table, in a wall or bookcase, its handsome functional design will enhance the decor of any room. It is finished in brushed copper or gold and can be purchased with or without an enclosure.

SPECIFICATIONS: FM—Sensitivity: 2.5 μ v for 20 db quieting, 3.5 μ v for 30 db quieting. Selectivity: 240 kc bandwidth; 6 db down. Drift: \pm 5 kc maximum. Frequency response: \pm 0.75 db 30-15,000 cps. Hum: 60 db below 100% modulation. AM—Sensitivity: 120 μ v/meter. Selectivity: 8 kc bandwidth; 6 db down. Distortion: 1% harmonic. Hum: 45 db below 80% modulation. **AUDIO**—Power output: 30 watts music waveform (15 watts per channel). Frequency response: 0.5 db 15-30,000 cps at normal listening level. Output impedance: 8 and 16 ohms. Equalization: Phono, RIAA; Tape, NARTB. Size: 15 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ " x 12 $\frac{1}{4}$ ". Ship. wt. 30 lbs.

- A36CX316 TA-224 Stereo Recital Receiver...\$9.50 Mo., Net 199.95
- A36CX318 CX-24 Metal enclosure for TA-224. Wt. 1 lb. Net 11.95
- A36CX319 WW-30 Walnut enclosure for TA-224...3 lbs. Net 29.95
- A36CX320 FW-30 Fruitwood enclosure for TA-224. 3 lbs. Net 29.95

THE STEREO FESTIVAL II

A completely flexible 60 watt stereo receiver-amplifier which can effortlessly drive any of today's compact speakers. It includes separate AM and FM sections, dual preamplifiers, and a powerful 60 watt stereo amplifier. Features dual friction-clutch tone controls for each channel, blend-mode control, speaker phasing, program reversal, two magnetic inputs, and separate AM and FM tuning eyes. Handsome brushed gold and charcoal brown finish.

SPECIFICATIONS: FM—Sensitivity: 2.5 μ v for 20 db quieting, 5 μ v for 30 db of quieting. Selectivity: 240 kc bandwidth; 6 db down. Drift: 5 kc maximum. Frequency response: 0.75 db 30-15,000 cps. Hum: 60 db below 100% modulation. Distortion: less than 0.5% IM at 30% modulation. AM—Sensitivity: 80 μ v/meter. Selectivity: 10 kc bandwidth; 6 db down. Distortion: less than 1% harmonic. Frequency response: 3 db 20-5000 cps. Hum: 45 db below 80% modulation. **AUDIO**—Music power output: 60 watts combined, 30 watts per channel. Power bandwidth: 18-40,000 cps. Single tone distortion: 0.5% at rated output. Frequency response: 1 db 10-55,000 cps at 1 watt. Output impedance: 4, 8, and 16 ohms. Equalization: Record, RIAA; Tape, NARTB 7 $\frac{1}{2}$ IPS. Size: 15 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ " x 12 $\frac{1}{4}$ ". Ship. wt. 44 lbs.

- A36CX260 TA-260 Stereo Festival II...\$14 Monthly 299.95
- A36CX261 CX-26 Metal enclosure for TA-260. Wt. 1 lb. Net 12.95
- A36CX319 WW-30A Walnut enclosure for TA-260. 3 lbs. Net 29.95
- A36CX320 FW-30 Fruitwood enclosure for TA-260. 3 lbs. Net 29.95



\$199⁹⁵

\$9.50 Monthly

THE CHORALE

80 Watt Stereo Amplifier. All of the most wanted features for monophonic and stereophonic high fidelity reproduction. This remarkable instrument features tone control defeat switch to eliminate tone control phase shift, silicon diode power supply for close B regulation, zero to infinity balance control, specially designed output transformers with grain oriented steel cores for low leakage inductance and extended frequency response, speaker phasing switch, third channel speaker selector, and separate rumble and scratch filters. Bakendahl tone controls vary only the extreme ends of the frequency spectrum without affecting the middle frequency response.

SPECIFICATIONS: Power output: 40 watts per channel at less than 0.5% harmonic distortion, 5 watts at less than 0.1% harmonic distortion. Frequency response: \pm 0.5 db 15-30,000 cps. Minimum volume hum: 95 db below 40 watts. Tone control: range: \pm 16 db at 50 and 10,000 cps. Dual stereo inputs: Magnetic phono (RIAA), tape head (NARTB), tuner, Aux. 1, Aux. 2. Outputs: two dual stereo tape outputs, two AC convenience receptacles, two sets of speaker outputs (4, 8, and 16 ohms). Size: 15 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " x 13 $\frac{1}{4}$ ". Ship. wt. 35 lbs.

- A33CX565 A-260 The Choral...\$9.50 Monthly, Net 199.95
- A33CX060 AC-60 Metal enclosure for A-260. Wt. 1 lb. Net 12.50



\$199⁹⁵

\$9.50 Monthly

THE MADRIGAL

AM/FM Stereo High Fidelity Tuner. A tuner with the best of everything! The FM tuner delivers frequency response 3 octaves below the normal range with virtually unmeasurable distortion. IM Distortion is less than 0.4% at 100% modulation. Features include finger-tip stereo balance control to adjust the level of AM and FM sections for perfectly balanced AM/FM stereo reception, electronic bar tuning indicators for perfect visual tuning, push button controls, bridge-type selenium rectifier power supply, plate follower output, zero time constant 6BN6 limiter, 10 kc AM whistle filter, and FM AFC.

SPECIFICATIONS: FM—Sensitivity: 0.9 μ v for 20 db quieting, 1.9 μ v for 30 db quieting. Selectivity: 240 kc bandwidth; 6 db down. Frequency response: 0.5 db 20-20,000 cps. Distortion: Less than 0.1% IM at 30% modulation, less than 0.4% at 100% modulation. AM—Sensitivity: 20 μ v/meter. Selectivity: 16 kc bandwidth, 6 db down. Distortion: less than 0.8% harmonic. Size: 15 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " x 12 $\frac{1}{4}$ ". Ship. wt. 26 lbs.

- A36CX992 ST-360A The Madrigal...\$9.50 Monthly, Net 199.95
- A36CX993 CX-60 Metal enclosure for ST-360A. Wt. 1 lb. Net 12.50
- A36CX994 MA-350 Multiplex adapter. Wt. 9 lbs. Net 49.95

BOGEN SRB20 FM-AM STEREO RECEIVER



Now For Only **\$219⁵⁰** **\$10.50 Monthly**

A superb all-in-one stereo instrument, including a highly sensitive FM-AM stereo tuner, a versatile stereo audio control center, and a magnificent 20 watt amplifier. Each circuit stage of the SRB20 is designed as an individual unit, packing more value, more clean performance in less space than is usually possible. The separate stages are then carefully, logically arranged in an overall circuit of proven superiority. Wire clutter eliminated, hum and distortion prevented... great savings are passed on to you in operating efficiency.

SPECIFICATIONS: Output Power: 20 watts (2 10-watt channels). Frequency: Range FM, 88-108 mc; AM, 520-1640 kc. Fre-

quency Response: 20-20,000 cycles, ± 1 db. Noise and Hum: FM, -58 db; AM, -48 db; Phono, Mag, -50 db, Crystal -70 db. Output Impedances: 4, 8, 16 ohms. Tubes: 16 plus 3 crystal diodes. Dimensions: 16 $\frac{1}{2}$ " W. x 12 $\frac{1}{2}$ " D. x 5 $\frac{1}{2}$ " H.

| Cat. No. | Mfr. No. | Description | Shpg. Wt. | Monthly Terms | Net |
|----------|----------|------------------------|-----------|---------------|--------|
| A33CX033 | SRB-20 | Stereophonic Receiver | 27 lbs. | 10.50 | 219.50 |
| A36CX034 | ENB-1 | Metal Enclosure w/legs | 5 lbs. | | 8.50 |
| A33CX069 | WE-3 | Oiled Walnut Enclosure | 6 lbs. | | 27.75 |



\$7.50 Monthly **\$149⁵⁰**

ST442 Stereo FM-AM Tuner

Automatic frequency control and automatic volume control on each channel. Tuner also contains a tuning meter for FM and AM, and built-in FM and AM antennas. Frequency response is 20-18,000 cycles, ± 0.5 db for FM and 20-4,500 cycles, $\pm 1\frac{1}{2}$ db for AM. Sensitivity on FM is 3.0 μ v-for 30 db quieting at 300 ohm input, AM sensitivity is 100 μ v/meter, for loop and 3 μ /meter terminal, both 20 db S/N, 15"x4 $\frac{1}{2}$ "x12 $\frac{1}{2}$ ".

| Cat. No. | Mfr. No. | Description | Wt. | Monthly | Net |
|----------|----------|--------------------------|---------|---------|--------|
| A36CX023 | ST-442 | Stereophonic FM-AM Tuner | 19 lbs. | 7.50 | 149.50 |
| A33CX468 | BEG | Metal Enclosure w/legs | 4 lbs. | | 7.50 |
| A33CX068 | WE-2 | Oiled Walnut Enclosure | 6 lbs. | | 23.50 |

STP52 STEREO PHONIC TUNER-PREAMPLIFIER

Frequency response is 20-20,000 cycles, ± 1 db; output impedance—low imp., cathode followers. It contains 13 tubes plus 3 crystal diodes, 1 pair of matched selenium rectifiers. Audio sensitivity Mag: 4 mv; Signal-to-noise: 60 db; Crystal/Aux: $\frac{1}{2}$ V; Signal-to-noise: 60 db. Size 16 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ ".

| Cat. No. | Mfr. No. | Description | Wt. | Monthly | Net |
|----------|----------|----------------------------|---------|---------|--------|
| A36CX022 | STP-52 | Stereophonic Tuner Preamp. | 25 lbs. | 8.50 | 179.50 |
| A36CX034 | ENB-1 | Metal Enclosure w/legs | 5 lbs. | | 8.50 |
| A33CX069 | WE-3 | Oiled Walnut Enclosure | 6 lbs. | | 27.75 |

PR2 STEREO PREAMPLIFIER

Controls include 6 position input selector, dual bass and treble controls for each channel, stereo reverse left channel only, right channel only, stereo normal, monophonic left and monophonic right. Loudness switch, hi-lo filters and monophonic phono inputs plus mode indicator lights. 6 tubes. 15"x4 $\frac{1}{2}$ "x8".

| Cat. No. | Mfr. No. | Description | Wt. | Monthly | Net |
|----------|----------|---------------------------|---------|---------|-------|
| A33CX344 | PR-2 | Stereophonic Preamplifier | 13 lbs. | 5.00 | 99.50 |
| A33CX075 | DEC | Metal Enclosure w/legs | 4 lbs. | | 7.50 |

NEW RB115 FM-AM TUNER, 15 WATT AMPLIFIER

The RB115 combines radiation-proof superheterodyne tuner, 15-watt power amplifier and complete preamplifier on a compact chassis. Response: 20-20,000 cps ± 1 db. Frequency Range: FM: 88-108 mc; AM: 520-1640 kc. Power Output: 15 watts at less than 2% distortion, 15" W x 4 $\frac{1}{2}$ " H x 12 $\frac{1}{2}$ " D.

| Cat. No. | Mfr. No. | Description | Wt. | Monthly | Net |
|----------|----------|-------------------------|---------|---------|--------|
| A36CX507 | RB-115 | FM-AM Tuner & Amplifier | 21 lbs. | 7.50 | 159.50 |
| A33CX468 | BEG | Metal Enclosure w/legs | 4 lbs. | | 7.50 |
| A33CX068 | WE-2 | Oiled Walnut Enclosure | 6 lbs. | | 23.50 |



\$6 Monthly **\$119⁹⁵**

DB-212 Stereo Dual Amplifier

Precisely controls all stereo sources (tapes, FM-AM radio broadcasts and the exciting new stereo discs. Total of 24 watts (48 watts peak!) of power available for monaural. Harmonic Distortion: 0.5% at rated output; less than 1% at 28 watts. Frequency Response: 20 to 20,000 cycles, ± 1 db. Sensitivity: tuner, aux, high tape—0.25 v; mag, low tape—8 mv. Noise and Hum: tuner, aux, high tape—80 db; mag, low tape—55 db. 4, 8, and 16 ohm outputs. 15" W. x 10 $\frac{1}{2}$ " D. x 4 $\frac{1}{2}$ " H.

| Cat. No. | Mfr. No. | Description | Shpg. Wt. | Monthly Terms | Net |
|----------|----------|--------------------------|-----------|---------------|--------|
| A33CX503 | DB-212 | Stereo, Preamp-Amplifier | 20 lbs. | 6.00 | 119.95 |
| A33CX468 | BEG | Metal Enclosure w/legs | 4 lbs. | | 7.50 |
| A33CX068 | WE-2 | Oiled Walnut Enclosure | 6 lbs. | | 23.50 |

FM-51 HIGH FIDELITY FM AMPLIFIER

Employs AFC, has "do-drift" oscillator, ratio detector and dual-action limiter. Complete with built-in FM line antenna. Response 20-18,000 cps ± 5 db. Uses 7 tubes inc. tuning eye, plus rect. and 2 crystal diodes 12" W. x 4 $\frac{1}{2}$ " H. x 12 $\frac{1}{2}$ " D.

| Cat. No. | Mfr. No. | Description | Wt. | Monthly | Net |
|----------|----------|------------------------|---------|---------|--------|
| A36CX583 | FM-51 | FM Tuner | 13 lbs. | 6.00 | 115.00 |
| A33CX467 | AEG | Metal Enclosure w/legs | 3 lbs. | | 6.00 |

DB130A AMPLIFIER

New flat-look 30 watt amplifier with 3-position sharp cutoff feedback type hi and lo frequency filter controls, feedback type +15 to -15 db tone controls, 5 position loudness contour, input selection of phono/radio/tape, 7 position equalizer, controlled positive feedback and variable damping factor. 15x10x4 $\frac{1}{2}$ ".

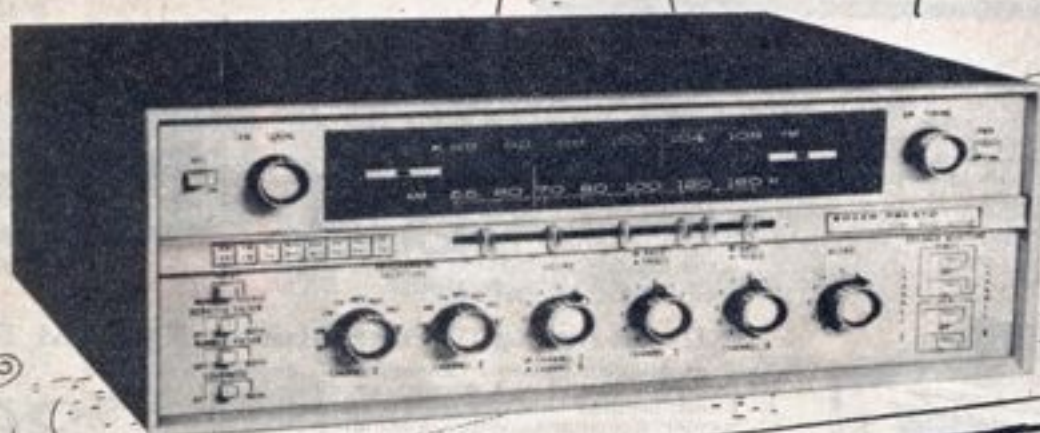
| Cat. No. | Mfr. No. | Description | Wt. | Monthly | Net |
|----------|----------|--------------------------|---------|---------|--------|
| A33CX037 | DB-130A | 30W Monaural Preamp Amp. | 23 lbs. | 7.00 | 129.50 |
| A33CX468 | BEG | Metal Enclosure w/legs | 4 lbs. | | 7.50 |
| A33CX068 | WE-2 | Oiled Walnut Enclosure | 6 lbs. | | 23.50 |

T661 HIGH FIDELITY FM-AM-TUNER

Foster-Seeley discriminator and dual limiter; low-noise front section has tuned RF mixer and two IF stages. AFC, temperature-compensated oscillator. AM section offers a 10 kc whistle filter, AVC, new ferrite loopstick. Response 20-20,000 cps ± 5 db. Hum 60 db down, 10 tubes. 12" x 4 $\frac{1}{2}$ " x 12 $\frac{1}{2}$ ".

| Cat. No. | Mfr. No. | Description | Wt. | Monthly | Net |
|----------|----------|------------------------|---------|---------|--------|
| A36CX526 | T-661 | FM-AM Tuner Monaural | 16 lbs. | 7.00 | 139.50 |
| A33CX467 | AEG | Metal Enclosure w/legs | 3 lbs. | | 6.00 |

\$15 Monthly **\$329⁵⁰**



THE NEW BOGEN-PRESTO RP-40 STEREO RECEIVER

Designed to channel either stereo or monophonic programs to several places in your home at one time. Dual selectors, switches, and output terminals allow you to direct mono or stereo programs through any speaker arrangement; even play mono disks with a stereo cartridge and stereo disks monophonically. Tape, phono, multiplex and various audio inputs can be mixed or separately channeled. The AM and FM tuners feature sensitivity as low as 1 microvolt, built-in antennae and full-range reliable reception. The AM tuner employs shielded and rotatable loopstick and a stage of TRF. The FM section uses a fully tuned RF stage, three wide-band tuned IF circuits with two stage amplification and dual limiting action with a ratio detector pro-

viding predetermined level of automatic interstation hush, retaining "tuning presence." The power amplifier offers 20 watts per channel, covering the entire range of audibility with less than ± 1 db deviation. It can serve as a 40 watt monaural amplifier with 80 watts peak. Accommodates 4, 8, 16 ohm speakers. Trouble-free operation is insured by the incorporation of a special "permafil" treated power transformer. Shipping weight 37 lbs. Less case.

A33CX065 RP-40.....\$15 Monthly, Net 329.50
A33CX072 EN-4 Metal Enclosure w/legs, Ship. wt. 5 lbs. Net 10.75
A33CX070 WE-4 Oiled Walnut Cabinet, Ship. wt. 8½ lbs. Net 27.75



\$9.50 Monthly **\$199⁵⁰**

BOGEN AP-40 Stereo Amplifier

Combining all the desired features in stereo amplifiers the AP-40 lets you play both stereo and monaural records without cumbersome conversions. It offers 20 watts per channel in stereo operation; 40 watts for monaural. Drives low efficiency speakers and high efficiency systems with equal precision. The PROGRAM SELECTOR chooses from FM, AM, Multiplex, Phono (Mag.), Phono (Xtal or ceramic), Tape Heads, TV, Aux. Shipping weight 34 lbs.

A33CX066 AP-40.....\$9.50 Monthly, Net 199.50
A33CX072 EN-4 Metal Enclosure, Ship. wt. 5 lbs. Net 10.75
A33CX070 WE-4 Oiled Walnut Cab, Ship. wt. 8½ lbs. Net 27.75



\$9.50 Monthly **\$189⁵⁰**

BOGEN TP-40 Stereo AM/FM Tuner

Full-range reliable reception under the most adverse operating conditions. The TP-40 offers sensitivity as low as 1 microvolt with completely built-in AM and FM antennae. Advanced design insures competent tuning without frequent adjustments. Cathode follower outputs are provided. Power supply is self-contained and very well regulated, insuring retention of tuning calibrations. Positive drift-free performance. Ship. wt. 20 lbs.

A36CX052 TP-40.....\$9.50 Monthly, Net 189.50
A33CX073 FN-5 Metal Enclosure, Ship. wt. 5 lbs. Net 8.50
A33CX071 WE-5 Oiled Walnut Case, Ship. wt. 8½ lbs. Net 23.50

**No Minimum Order
with Our Easy Budget
Plan. See page 3 for
Details.**

STEREO 50 WATT BASIC AMPLIFIER

The Bogen-Presto BP-50 delivers undistorted full-range (20-20,000 cps) sound for monaural and stereo operations. Overall distortion is held to under 0.5% rated output and linearity of response is kept to under ± 1 db. The BP-50 will operate with any preamp or tuner with conventional outputs. Input controls for each channel help adjust the settings of the program source equipment, as well as aid the alignment of stereo balance. Third Channel output provided. 4 to 16 ohm speakers may be used. Ship. wt. 25 lbs.

A33CX067 BP-50.....\$5 Monthly, Net 99.50
A33CX074 EN-6 Metal Case, Ship. wt. 5 lbs. Net 9.95

New Low-cost Audio Control

This remarkable instrument combines a 36-watt amplifier with stereo pre-amplifier-equalizer and tone control circuit and self-contained power supply in one compact, rigid chassis. Seventeen front-panel controls and switches for every stereo and monaural application. Hum, distortion completely inaudible. SPECIFICATIONS: Power, 18 watts per channel, 36 watts monaural. Resp. ± 1 db 20 to 20,000 cps. 15% W, 4 1/2" H, 11 1/2" D. Wt. 25 lbs. A33CX432 Net 159.50

\$159⁵⁰

\$7.50 Monthly

Wide-band FM Tuner with MicroRay Indicator

Exclusive feature of the new FM-50 is its dual purpose MicroRay Tuning Indicator. Special circuitry permits its use to assure precise, effortless tuning and, at the turn of a switch as full-scale recording level indicator. This moderately-priced component fulfills every requirement—offering high sensitivity, broad audio bandwidth, FM multiplex facilities and "off the air" recording outputs. Wide-band radio detector assures maximum AM suppression.

SPECIFICATIONS: Sensitivity: 1/2 microvolts for 20 db of quieting. Four IF stages. 15% W, 8% D, 7 1/4" H. Ship. wt. 11 lbs.

A36CX716 Fisher FM-50 Net 129.50

\$129⁵⁰

\$6 Monthly



All-in-one 40-Watt Stereo FM-AM Receiver

This magnificent receiver incorporates stereo FM-AM tuner, audio control and 40-watt amplifier in one compact unit, needing only two speaker systems and turntable to become a complete stereo installation without equal. Extreme-sensitivity tuners can be used for monaural or stereo reception. Compact, versatile, a superb performer. 17" W, 14 1/2" D, 4 1/2" H. Ship. wt. 40 lbs.

A36CX505 Fisher TA-600 Net 369.50

\$369⁵⁰

\$17 Monthly



Stereo 50-W. Power Amplifier at Modest Cost

Equipped with features found only in the costliest dual-channel amplifiers, this component gives optimum results with both high and low-efficiency speakers. Controls for two-speaker monaural operation, input level, bias and other adjustments. 50 watts of music power, 25 watts per channel. Freq. resp. 20 to 20,000 cps ± 0 db, $-1/2$ db. 6 1/2" H, 12 1/2" W, 7 1/2" D. Net 24 1/2 lbs. Ship. wt. 26 1/2 lbs.

A33CX434 Fisher SA-100 Net 119.50

\$119⁵⁰

\$6 Monthly



New Fisher Stereo Master Audio Control

Featuring Sonic Null Balancing—permitting component balancing by mixing one signal out of phase with the other, instead of by ear—this new master control offers maximum flexibility to the critical audio enthusiast. Center channel output and front-panel volume control. 27 controls, 18 inputs. Provision for Remote Control operation. 15% W, 11 1/2" D, 4 1/2" H. Ship. wt. 18 lbs.

A33CX427 Fisher 400CX Net 199.50

\$199⁵⁰

\$9.50 Monthly



60-watt Amplifier

The Laboratory Standard stereo amplifier that gives distortion-free audio power at all listening levels. 16% W, 7 1/2" D, 6 1/2" H. Net 32 lbs. Ship. wt. 36 lbs. A33CX770 Fisher SA-300

.....\$7.50 Monthly, Net 179.50

Model PR-6 Preamplifier

For phonograph, microphone or tape head playback, 2-stage triode amplification. Self-powered, fully shielded. 3 3/4" W, 3 1/2" D, 3 1/2" H. Ship. wt. 1 1/2 lbs. A33CX419 Fisher PR-6\$5 Mo., Net 12.95

.....\$5 Mo., Net 12.95

Cabinets for Fisher Products

A36CX912 Fisher 100M Mahog. Cab. for 101R, X-202, 400CX

FM-100, FM-50, 100T. Ship. wt. 5 lbs.\$5 Monthly, Net 24.95

A36CX914 Fisher 100W Walnut Cab. for 101R, X-202,

400CX, FM-100, FM-50, 100T. Ship. wt. 5 lbs. \$5 Mo., Net 24.95

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Tuner-Audio Control in 1

Advanced-design Stereo FM-AM tuner and Master Stereo Audio Control in single chassis for compactness, operating convenience. 15% W, 4 1/2" H, 11 1/2" D. Ship. wt. 18 lbs.

A36CX402 Fisher 100T\$11.50 Monthly, Net 249.50

Hi-fi 20-watt Amplifier

All speaker systems accommodated by 4, 8 and 16-ohm connections. Two controls, four tubes. Hum inaudible. 12% W, 5 1/2" D, 5 1/2" H. Ship. wt. 14 lbs.

A33CX436 Fisher 30-A. \$5 Mo., Net 59.50



Ultimate in Tuner-Audio

Stereo FM-AM tuner matched to versatile Master Stereo Audio Control. 28 controls, four IF stages. 17" W, 4 1/2" H, 13 1/2" D. Net wt. 22 lbs. Ship. wt. 25 lbs.

A33CX717 Fisher 202-T\$16 Monthly, Net 349.50

Preamplifier-Equalizer

Two-channel preamplifier for every stereo and monaural need. Hum completely inaudible. 4-stage audio circuit. 8" W, 1 1/2" D, 5 1/2" H. Ship. wt. 4 lbs.

A33CX945 Fisher PR-66. \$5 Mo., Net 29.95

A36CX718 Fisher TA-8 Metal Cab.—Simulated Leather for

TA-800. Ship. wt. 3 lbs.\$2 down, Net 17.95

A36CX885 Fisher TA-6 Metal Cab.—Simulated Leather for

TA-60 and 202T. Ship. wt. 3 lbs.\$2 down, Net 17.95

A36CX767 Fisher MC-1 Met. Cab.—Sim. Leather for FM100,

FM50, 100T, X-202, X-100,400CX. Ship. wt. 3 lbs.\$2 Down, Net 15.95

3 Radio Shack Charge Plans: Regular Budget, Extended Budget and 30-day Charge. See page 3.

www.RadioShackCatalogs.com



Fisher 800 Stereo FM-AM Receiver

- An Engineer's Dream
- 60 Distortion-Free Watts
- Golden Cascade Tuner
- Twenty-four Controls

Only \$19 Monthly
\$429⁵⁰

The most sensitive and most powerful stereo receiver in existence. Every single part designed and selected as if it were THE most important part. Hum and noise is completely inaudible. Fifteen input and output connections for every stereo and mono program source and application, including center channel, multiplex, tape monitoring.

• Twenty-Tubes
 Plus Four Diodes

A36CX715 Ship. wt. 40 lbs. . . \$19 Monthly, Net 429.50

Fisher 101-R Gold Cascade FM-AM Tuner

The world's first Gold Cascade Stereo Tuner. Automatic noise suppression, gear-driven flywheel tuning, 4 IF stages for maximum gain and bandwidth, with minimum distortion. Automatic gain control; noise and hum are inaudible. Low impedance audio output stage allows use of cables to 30' long with no loss of signal. 4-controls; Seven outputs; Crosstalk inaudible; Fifteen tubes—2 diodes; Size: 15 1/4" x 4 1/2" x 13". Ship. wt. 20 lbs.

A36CX911 Only \$9.50 Monthly, Net 229.50

Only \$9.50 Monthly
\$229⁵⁰



Stereo Master Audio Control and Amplifier

Fisher introduces the "Stereo Dimension Control" with which the user can spread the sound from one speaker to the other and effectively create the illusion that a third "in the middle" speaker is actually operating. 50 distortion-free watts. Record-monitor facilities; 16 inputs for every program source. 21 versatile front-panel controls. Pilot lights provide visual indication of type of operation. Adapted for Fisher remote control use.

A33CX916 Ship. wt. 36 lbs. \$9.50 Monthly, Net 229.50

Only \$9.50 Monthly
\$229⁵⁰



Fisher FM-100 Stereo FM Tuner

The FM-100 is a complete, high quality FM tuner. A new exclusive muting control eliminates side-band response, interstation noise when tuning, as well as unwanted weak and noisy signals. Only 0.8 microvolts for 20 db. of quieting with a 300 ohm antenna. Precision-calibrated glass-dial scale includes a 0-100 logging scale for easy location of FM stations. Has ten tubes plus 4 diodes, and four versatile controls for tuning, selector switch, multiplex separation and muting.

A36CX761 Ship. wt. 18 lbs. \$7.50 Monthly, Net 169.50

Only \$7.50 Monthly
\$169⁵⁰



MPX-10 Multiplex Adaptor

Can be used with any FM or FM-AM tuner with a multiplex jack. Prevents stereo cross-talk. Prevents stereo cross-talk. Can listen to standard AM or FM, if desired. 2-multiplex inputs, 2-outputs, 5-tubes, 1.6V RMS output.

Ship. wt. 8 lbs. **\$49⁵⁰**
 A36CX728 \$5 Monthly, Net 49.50

MPX-20 Multiplex Adaptor

For Fisher FM-100, 100T, 202T. Plug-in adaptor for Crosby multiplex system. Compact design for mounting directly on tuner chassis. Output: 0-1.2 V RMS. 4-tubes plus 2-counter detector diodes.

Ship. wt. 2 lbs. **\$49⁵⁰**
 A36CX727 \$5 Monthly, Net 49.50

RK-1 Remote Control Unit

For use with Fisher 400C, 400CA, 202T or X202. Set speaker balance and volume from your chair with one hand. Has 30' cable, adaptor plug. Has control assembly, 2 dials, 50,000 Ω and 3000 μf imp. in each channel. Wt. 1 1/2 lbs.

A33CX528 Net 17.95

XP-1 3-Way Speaker System

- Install on Bookshelf
 - Complete 3-way
- \$124⁵⁰**

Revolutionary woofer magnet system gives 92% more efficiency. Get faithful reproduction of whole audio spectrum. Free-piston woofer. Gives maximum output. Wt. 40 lbs.

- A31CX020 Unfinished Net 124.50
- A31CX021 Mahogany Net 129.50
- A31CX022 Walnut . . . Net 129.50
- A31CX023 Cherry . . . Net 129.50

XP-2, 3-Way Speaker System

- 2 8" Woofers
 - 5" Tweeter
 - Very Compact
- \$79⁵⁰**

Same design as XP-1, but more compact. High compliance, high efficiency. Can be used with amplifiers rated as low as 10 watts, 35 to 15,000 cps. response. Wt. 30 lbs.

- A31CX016 Unfinished. Net 79.50
- A31CX017 Mahogany . Net 84.50
- A31CX018 Walnut . . . Net 84.50
- A31CX019 Cherry . . . Net 84.50



\$6 Monthly



\$5 Monthly



by **Sherwood**

\$299⁵⁰
\$14 Monthly

TWIN 24-WATT FM/AM STEREO RECEIVER

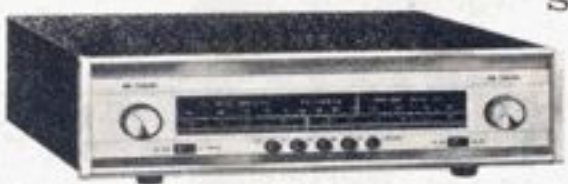
A triumph in engineering, combining in one unit the famed performance of Sherwood's FM and AM tuner circuitry with two 24 watt amplifiers, two complete phono pre-amps and stereo control amplifiers. The S-7000 features 20-20,000 cps response, two "acro-beam" tuning eyes, balanced flywheel tuning knobs, friction-locked stereo bass and treble controls, ganged loudness control, phono level control, stereo balance control, stereo function and input selector switch. Six slide switches control scratch

and rumble filters, FM AFC, AM bandwidth, phase reverse, and tape monitor. Inputs are provided for tape playback, tape monitor, phono, FM multiplex, and two aux. Outputs are for recording and FM multiplex adapter. Measures only 16 1/2" x 14" x 4 1/2". Ship. wt. 31 lbs. Less Case.

- A33CX013 S-7000 \$14 Monthly, Net 299.50
- A33CX014 D Leatherette Case (Brown) Net 6.50

by **Sherwood**

THE ULTIMATE IN STEREO FOR THOSE DEMANDING THE VERY BEST



S-2200 Only \$8.50 Monthly

S-2200 AM/FM Stereo Tuner

\$179⁵⁰

The S-2200 fulfills today's stereo broadcasting requirements with separate reception of AM and FM simulcast broadcasts as well as tomorrow's stereo needs utilizing FM multiplexing. Push-button mono or stereo selection of AM/FM/MX are indicated by two "acro-beam" tuning eyes and matching lights. Features lower distortion, improved response and FM interchannel hush. Ship. wt. 17 lbs. Less case.

- A36CX997 S-2200 \$8.50 Monthly, Net 179.50
- A33CX914 A Large, Brown Case, Ship. wt. 8 lbs. Net 5.00
- A33CX915 B Large, Black Case, Ship. wt. 8 lbs. Net 5.00



S-3000 III Only \$6 Monthly

S-3000 III FM/MX Stereo Tuner

\$110⁵⁰

The S-3000 III tunes FM and multiplex . . . it has everything, 0.95 microvolt sensitivity at 20 db quieting, front panel level and stereo balance controls, internal plug-in for FM multiplex stereo, FM interchannel hush, "acro-beam" tuning indicator, 7" expanded slide-rule tuning scale, Automatic Frequency Control, local-distance switch. New Sherwood inverse feedback engineering reduces distortion and improves response. Ship. wt. 15 lbs. Less case.

- A36CX312 S-3000 III \$6 Monthly, Net 110.50
- A33CX907 A Standard, Brown Case, Ship. wt. 6 lbs. Net 5.00
- A33CX908 B Standard, Black Case, Ship. wt. 6 lbs. Net 5.00



S-2000 Only \$7.50 Monthly

S-2000 II AM/FM Monaural Tuner

\$145⁵⁰

The S-2000 II has been designed with the same AM section as the S-2200, featuring a selection of either 15 kc wide bandpass or a sharply selective 5 kc bandwidth for listening to weaker stations without noise or interference. FM interchannel hush eliminates noisy "hash" between FM channels, makes tuning easier than ever. A built-in pivot mounted ferrite rod antenna offers best reception of distant stations. Ship. wt. 15 lbs. Less case.

- A36CX311 S-2000 II \$7.50 Monthly, Net 145.50
- A33CX907 A Standard, Brown Case, wt. 6 lbs. Net 5.00
- A33CX908 B Standard, Black Case, wt. 6 lbs. Net 5.00



S-5500 Only \$7.50 Monthly

S-5500 40 Watt Stereo Amplifier

\$149⁵⁰

The S-5500 is a two channel (20 plus 20 watts) stereo amplifier offering the full power requirements for most home music systems at a very low price. Frequency response from 20 to 20,000 cps. Controls include friction-locked bass and treble controls, scratch and rumble filters, stereo normal/reverse switch, phase invert switch and tape-monitor switch. 8 hi-level and 4 low-level inputs provide maximum flexibility. Measures 14" x 14 1/2" x 4". Ship. wt. 22 lbs.

- A33CX015 S-5500 \$7.50 Monthly, Net 149.50
- A33CX914 A Large, Brown Case, Ship. wt. 8 lbs. Net 5.00
- A33CX915 B Large, Black Case, Ship. wt. 5 lbs. Net 5.00



S-5000 II Only \$9.50 Monthly

S-5000 II 72 Watt Stereo Amplifier

\$199⁵⁰

The S-5000 II provides adequate power to drive any of the popular low-efficiency speakers. 20-20,000 cps response plus advanced Sherwood circuitry design and controls insure years of trouble-free operation. Other features include 12 db/octave scratch and rumble filters which operate on all channels, presence-rise switch, phono channel noise and hum 60 db below rated output and phono sensitivity 1.8 mv. Measures 14" x 14 1/2" x 4". Ship. wt. 30 lbs.

- A33CX016 S-5000 II \$9.50 Monthly, Net 199.50
- A33CX914 A Large, Brown Case, Ship. wt. 8 lbs. Net 5.00
- A33CX915 B Large, Black Case, Ship. wt. 8 lbs. Net 5.00



Famous Stromberg-Carlson Stereo Equipment

80-Watt Stereo Amplifier \$199⁹⁵

Proud addition to any stereo system! Features two 40-watt channels, dual inputs for Mag. Phono (RIAA), tape head (NARTB or Mic.) Tuner and Aux (Ceramic, Tape, etc.). Input Selector Switch controls for Channel "A," Channel "B," Stereo, Stereo Reverse, Monaural, Rumble filter, scratch filter, phasing switch, "Stereo Tone Balance" signal. Switch for optional 3rd channel or external speaker system. Bass, treble, level controls, plus master control for both channels. Ship. wt. 25 lbs.
 A33CX800 Model ASR-880.....\$9.50 Monthly, Net 199.95
 TOP COVER FOR ASR-880
 A33CX682 AC-880, Ship. wt. 3 lbs.....Net 8.95

AM-FM Stereo Tuner \$129⁹⁵

Exceptionally sensitive, low noise FM reception due to wide peak-to-peak separation (475 kc) and long, linear slope (350 kc) of the balanced ratio FM detector and the grounded grid cascode front end. On 300 ohm antenna input, sensitivity is 2 μ v for 30 db quieting. Has dial station selector and "hair-trigger" dialing eye. Temperature controlled circuits eliminate drift. Includes switched AFC circuit. Meets FCC requirements. Freq. Response: 20-20,000 cps. Ship. wt. 15 lbs.
 A33CX100 Model SR-445.....\$7 Monthly, Net 129.95
 TOP COVER FOR SR-445
 A33CX683 AC-445, Ship. wt. 3 lbs.....Net 8.95

POPULAR STEREO COMPONENTS ... FROM THE WORLD'S LEADING MANUFACTURERS OF STEREO & HIGH FIDELITY COMPONENTS!



WHY WAIT?

Take advantage
 of Radio
 Shack's EASY
 BUDGET
 TERMS! Enjoy
 Hi-Fi Now!
 Details on
 Page 3!



Madison Fielding Hi-Fi Stereo Receiver \$219⁹⁵

Compact, yet complete with push-button selection of music source; individual level, bass and treble controls for each channel; Microbeam tuning eye for accurate AM-FM tuning. Mono-stereo blend control varies separation from monophonic to full stereo. Dual recorder outputs, true tape monitor inputs and outputs. 24 hi-fi watts. 14 $\frac{1}{2}$ " x 5 $\frac{1}{16}$ " x 12". Ship. wt. 23 lbs.
 A36CX093 Model 650.....\$10.50 Monthly, Net 219.95
 CABINETS FOR MODEL 650. Ship. wt. 5 lbs.
 A36CX094 Walnut Wood.....Net 20.00
 A36CX095 Mahogany Wood.....Net 20.00

40-Watt Stereo Receiver \$350⁰⁰

Fabulous combination of powerful AM-FM tuner on same chassis with dual channel 40-watt stereo preamp-amplifier! Has push-buttons and jeweled indicator lights; automatic third channel; output for stereo headset. Features Aural Zero Null Circuit for electronically balanced stereo! Bass, treble, level controls; 6-button push-button selector; master volume control, rumble filter, noise filter. 18 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " x 13 $\frac{1}{4}$ ". Ship. wt. 40 lbs.
 A36CX096 Model 440.....\$16 Monthly, Net 350.00
 CABINETS FOR MODEL 440. Ship. wt. 6 lbs.
 A36CX097 Walnut Wood.....\$5 Monthly, Net 30.00
 A36CX098 Mahogany Wood.....\$5 Monthly, Net 30.00

G-E 56-Watt Stereo Amplifier \$189⁹⁵

Highly styled, recessed control panel and trim compact cabinet which matches companion AM-FM tuners. Concentric bass and treble controls, friction split type. Other controls are single knob "ganged." SPECIFICATIONS: Power Output: 56 watts. Frequency response: 20 to 20,000 cps \pm 0.5 db. Harmonic distortion: Below 1% at full rated power. Outputs: Dual speakers, dual output jacks, two AC outlets. Front panel controls: Input selector, speaker mode selector, loudness, contour, balance, bass, treble, rumble filter, scratch filter. Rear panel control: speaker phasing switch to reverse 8 ohm polarity of one channel. Size: 15"H x 12"W x 5 $\frac{1}{2}$ "D. Line power: 117 V., 60 cycle with AC line fuse. Shipping weight 31 lbs.
 A33CX132 Model G-7700, Beige Vinyl on Steel Case....Net 189.95
 A33CX133 Model G-7710, White Vinyl on Steel Case....Net 189.95

G-E 40-Watt Stereo Amplifier \$139⁹⁵

Similar to above models with following exceptions: Power output: 40 watts—20 watts per channel. Controls: Does not include phasing switch or scratch filter. Hum and noise: 65 db below 20 watts on phono input, unweighted; 76 db below 20 watts on high level input. Saddle Brown Vinyl.
 A33CX131 Model G-7600.....\$7 Monthly, Net 139.95



Pilot Stereo Receiver \$249⁵⁰

All-in-one, yet compact too! Only 5 $\frac{1}{4}$ " high x 14 $\frac{1}{2}$ " wide x 10 $\frac{3}{4}$ " deep. Complete FM-AM stereo tuner, preamplifier and 30-watt amplifier with output for stereo-plus center channel speakers. Freq. resp. 20-20,000 cycle \pm 1 db. Hum and noise; completely inaudible (80 db below full output). Harmonic distortion: 1%. 11 front panel controls, sensitive tuning, temperature compensated oscillator for low drift. Has a multitude of brilliant features! With metal enclosure. Ship. wt. 25 lbs.
 A36CX091 Model 602.....\$11.50 Monthly, Net 249.50

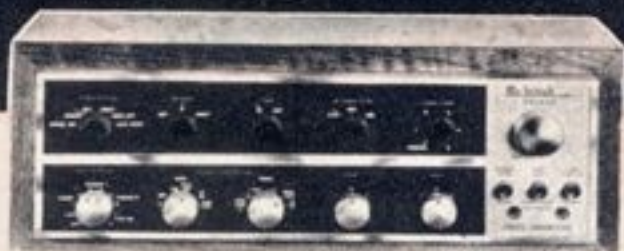


Altec Lansing Stereo Receiver \$387⁰⁰

Outstanding unit with 80 watts stereo program peak power: 40 watts, rms continuous, stereo or monophonic; 57 watts music power! Freq. resp. \pm .5 db 20-20,000 cps at 1 watt. 7 inputs; 7 outputs, including Channel A and Channel B recorder outputs. 11 controls including Bass, Treble, Rumble Filter, Stereo-Monophonic Mode Switch. Highly sensitive wide-band reception. Ship. wt. 35 lbs.
 A36CX099 Model 707.....\$18 Monthly, Net 387.00

All Items in the Above Manufacturer's Lines Are in Stock at Radio Shack

McIntosh If You Want the Very Best



C20 STEREO COMPENSATOR \$234⁰⁰

Simplicity, flexibility and beauty have been integrated by careful engineering and design for the ultimate in musical reproduction from both stereo and monaural sources. Special facilities include front panel jacks for tape recording plus tone monitor switch. Also includes a 6 position mode selector switch and provisions for parallel operation of stereo cartridge for monophonic record reproduction. Frequency response: ± 0.5 db 20 to 20,000 cycles. Size: $14\frac{1}{2}$ "W x $4\frac{1}{4}$ "H x 12"D. Aural compensation, rumble filter, phase and balance included.

A33CX385 C-20 Ship. wt. 20 lbs. \$11.50 Monthly, Net 234.00



Model MC-60 \$219⁰⁰

McINTOSH 60 WATT BASIC POWER AMPLIFIER

60 watts continuous with response of 20-30,000 ± 0.1 db and 16-60,000 ± 0.5 db both at 60 watts, 10-10,000 ± 1 db @ 30 w. Guaranteed less than 0.5% @ 60 watts 20-20,000 cps harmonic distortion at 60 watts, 1M less than 0.5%. Input levels 0.5V to 30V with gain control. Output 4-8-16-600 ohms. $14\frac{1}{2}$ " x $10\frac{1}{2}$ " x 8". Chrome and black chassis. Ship. wt. 45 lbs.

A33CX346 MC-60 \$10.50 Monthly, Net 219.00

McINTOSH 30 WATT BASIC POWER AMPLIFIER

Same response as the MC-60 except at 30 watts. Chrome and black chassis. Dimensions: $12\frac{1}{2}$ " x $8\frac{1}{2}$ " x 8". Ship. wt. 34 lbs.

A33CX349 MC-30 \$7.50 Monthly, Net 153.00

It's easy to find a plan to suit you with Radio Shack's Easy Budget Plan. See our Easy Budget Chart on page 3.

MONAURAL FM-AM TUNER

Model MR-55A FM-AM tuner unparalleled in performance and quality for virtually distortion free reception. FM sensitivity 3 μ v at 100% mod. for less than 3% total noise and distortion. Frequency response ± 3 db; 20-20,000 cycles. Hum 75 db below full signal. Completely variable separate A.F.C. detector. Negligible drift. AM section has 3 position selectivity; plus 3 position sensitivity controls; 10 K.C. Whistle Filter. Size: $14\frac{1}{2}$ "W x $4\frac{1}{4}$ "H x 12"D. Ship. wt. 27 lbs.

A33CX372 MR-55A \$13.50 Monthly, Net 276.00

A33CX373 Cabinet for C-20 and MR-55A. Ship. wt. 6 lbs. Net 25.00

MARANTZ AND



(A) \$11.50 Monthly \$249



(B) \$11.50 Monthly \$237



(C) \$267⁵⁰ \$13.50 Monthly



(D) \$13.50 Monthly \$285

E. M. I. STEREO COMPONENTS

MARANTZ STEREO CONSOLE

(A) New self-powered preamplifier features a high order of versatility with remarkable ease of operation. Unexcelled performance in both stereo and monophonic programs can be expected. Selector—8 positions: Microphone, Phono 1 and 2, tape-head, FM-AM, FM (multiplexed), TV, Auxiliary. Mode—5 positions. Volume total range 90 db. Frequency response within $\frac{1}{2}$ db from 20 cps to 20 kc. Chassis: $14\frac{1}{2}$ "W x $5\frac{1}{2}$ "H x $8\frac{1}{2}$ "D. Panel: $15\frac{1}{2}$ "W x $5\frac{1}{2}$ "H. Ship. wt. 20 lbs.

A33CX755 7C Stereo Console \$11.50 Monthly, Net 249.00

A33CX758 8-78 Blond Cabinet \$5 Monthly, Net 24.00

A33CX756 8-7M Mahogany Cabinet \$5 Monthly, Net 24.00

A33CX757 8-7W Walnut Cabinet \$5 Monthly, Net 24.00

A33CX761 8-7O Oiled Walnut Cabinet \$5 Monthly, Net 24.00

MARANTZ DUAL 30 WATT STEREO

(B) Model 8 Stereo Amplifier is essentially 2-30 watt, model 5 units on one compact chassis. All connections are made on the rear, ideally suited to exposed installation. Optional grill can be snapped in place for an uncluttered appearance with all tubes hidden from view. Output connections 4, 8, and 16 ohms. Input sensitivity for 30 watts—1.3 v RMS into 250K. Response within 0.2 cps to 20 kc. Size: $13\frac{1}{2}$ "W x $7\frac{1}{4}$ "H x $10\frac{1}{2}$ "D. Ship. wt. 55 lbs.

A33CX762 8A Stereo Amplifier \$11.50 Monthly, Net 237.00

A33CX764 8G Grill for 8A Amp. \$2 Monthly, Net 9.00

MARANTZ 30 WATT MONAURAL AMP.

This amplifier has been designed and constructed to give a long, trouble free life of fine listening quality. Previously, this type of performance was found only in the most expensive broadcast or laboratory equipment. Its exterior design adapts itself to installation requirements for multiple amplifier systems. Output—4, 8, and 16 ohms. Input sensitivity 1.3v RMS into 250K. Response—within 0.3 db cps to 20 kc. $7\frac{1}{4}$ "x $6\frac{1}{4}$ "x $15\frac{1}{4}$ ". Ship. wt. 35 lbs.

A33CX760 5A Monaural Amp. \$7.50 Monthly, Net 147.00

A33CX763 5G Grill for 5A Amp. Net 7.50

EMI PREAMPLIFIER/AMPLIFIER #555

(C) Combined in one superb unit which EMI of England is pleased to offer the American public for the first time. Model #555 has achieved distinctive compactness combined with brilliant performance. It's laboratory tested, calibrated Cathode Ray Tube makes possible exceptionally critical adjustments according to your needs on home or professional level. Frequency response 20c/s—20 Kc/s ± 1 db, measured at 10 peak watts. $4\frac{1}{2}$ "x $14\frac{1}{2}$ "x $13\frac{1}{2}$ ". Wt. 27 lbs.

A33CX040 555 Preamp/amp. \$12.50 Monthly, Net 267.50

A33CX041 555 Self Powered Preamp Only \$10.50 Monthly, Net 227.00

EMI STEREO BASIC AMPLIFIER

(D) EMI's Stereo Basic Amplifier for tops in performance and operation. This amplifier is made exclusively in England with their own special Toroidal Output and Power Transformers found only in this set. Its power out is 30 RMS watts for each channel. It will produce 50 clean watts per channel with less than 0.5% distortion, 40 watts with less than 0.3%, and 30 watts with less than 0.1% distortion. Ship. wt. 65 lbs.

A33CX042 600 Basic Amplifier \$13.50 Monthly, Net 285.00

Kits... Amplifiers...

harman

kardon

Tuners...

THE CITATION SERIES



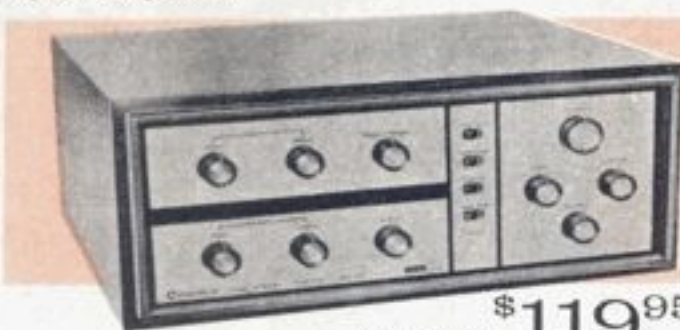
\$7.50 Monthly \$149⁵⁰

The Harman Kardon line of superior-engineered high-fidelity components is the result of skillful efforts to provide unusual features without sacrificing quality and workmanship for price. We proudly display their products.

CITATION III FM Tuner Kit

Professional! Superb! This is the world's most sensitive tuner. It features a new front-end design which utilizes the revolutionary "Nuvistor" subminiature precision tube, providing sensitivity of 0.65 microvolts for 20 db of quieting with virtually no distortion. Frequency response is 10-52,000 cps. A preassembled and factory aligned Converter-IF subassembly assures proper RF adjustment without the need for special instrumentation. Two separate D'Arsonval movement tuning meters show signal strength and center channel tuning. These meters align the discriminator and limiters. Hum level is 65 db below 100% modulation. Distortion is unmeasurable at 30% modulation, less than 0.1% at 100% modulation. Styled in charcoal and brown. Ship. wt. 25 lbs. Less cabinet.

- A36CX540 Citation III Kit..... \$7.50 Monthly, Net 149.95
- A36CX541 Citation III Wired... \$10.50 Monthly, Net 229.95
- A33CX143 WC-1, Walnut Enclosure. Wt. 5 lbs. Net 29.95

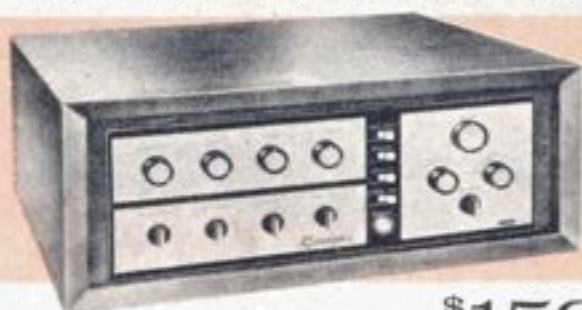


\$6 Monthly \$119⁹⁵

CITATION IV Stereo Preamp Kit

An incomparable stereophonic control center combining flawless performance and magnificent styling. Frequency response from 5 to 80,000 cps insures less than .05% distortion at 2 volts. DC on all heaters and the use of low noise resistors in critical places reduces thermal agitation and hum. Separate bass and treble controls for each channel may be completely eliminated from the circuit by a special tone control defeat switch on the front panel. Military wiring boards are employed for rigidity, professional appearance and adherence to the strict specifications. Zero to infinity balance control allows complete cutoff for either speaker. Charcoal brown and gold. Ship. wt. 16 lbs. Less cage.

- A33CX146 Citation IV Kit..... \$6.00 Monthly, Net 119.95
- A33CX187 Citation IV Wired..... \$9.50 Monthly, Net 189.95
- A33CX143 WC-1, Walnut Enclosure. Wt. 5 lbs. \$5 Mo., Net 29.95



\$7.50 Monthly \$159⁹⁵

CITATION I Stereo Preamp Kit

Flexible and easy to operate, the Citation I stereo preamplifier imparts no coloration of its own to any program material. Its frequency response is 5-80,000 cps with a distortion level less than .05% at 2 volts. Step-type tone controls overcome the limitation potentiometers making any setting repeatable and reliable. Bass and treble boosts are designed to compensate for inadequacies of speakers, room acoustics and variations in source material. A blend control acts as a crossfeed or third channel gain control in stereo position. Each amplification stage is surrounded with a feedback loop and is flat over a wide range. Gold and charcoal brown. Ship. wt. 23 lbs. Less case.

- A33CX141 Citation I Kit..... \$7.50 Monthly, Net 159.95
- A33CX188 Citation I Wired..... \$11.50 Monthly, Net 249.95
- A33CX143 WC-1, Walnut Enclosure. Wt. 5 lbs. \$5 Mo., Net 29.95

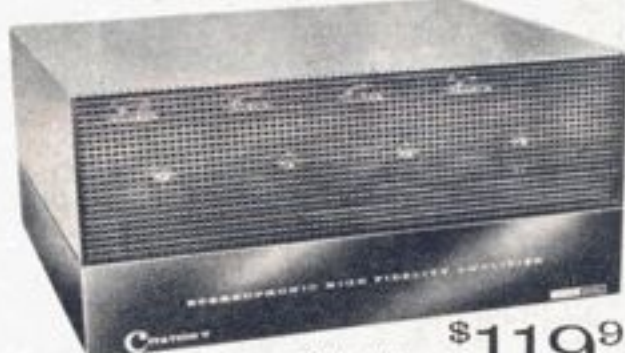


\$7.50 Monthly \$159⁹⁵

CITATION II 120W Amplifier Kit

Delivers 60 watts each channel or 120 watts as a monophonic amplifier with 260 watts of peak power. Frequency range is from 14 to 40,000 cps with less than 0.5% distortion at 60 watts. The use of video output pentodes in all low level stages provides for this exceptionally low rating. Multiple feedback loops increase the degree of usable feedback (30 db overall) without sacrificing stability. Hum and noise level better than 60 db below 60 watts. Charcoal brown and gold. Ship. wt. 60 lbs. Less case.

- A33CX142 Citation II Kit..... \$7.50 Monthly, Net 159.95
- A33CX189 Citation II Wired..... \$10.50 Monthly, Net 229.95
- A33CX190 AC-2, Metal Enclosure. Ship. wt. 3 lbs. Net 7.95



\$6 Monthly \$119⁹⁵

CITATION V 80W Amplifier Kit

Basic stereophonic amplifier supplies 40 watts of power per channel and 80 watts for monophonic operation with 190 watts of peak power. Distortion is less than 0.5% at 40 watts, frequency response from 2-80,000 cps at 1 watt, 7-45,000 cps at 40 watts. Specially designed output transformers resonate above 200 kc. Maximum power output at the extreme ends of the frequency range enables the amplifier to effortlessly drive today's most inefficient speakers. Charcoal brown. Ship. wt. 40 lbs. Less case.

- A33CX140 Citation V Kit..... \$6.00 Monthly, Net 119.95
- A33CX186 Citation V Wired..... \$9.50 Monthly, Net 179.95
- A33CX191 AC-V, Metal Enclosure. Ship. wt. 3 lbs. Net 7.95

EICO

STEREO AND MONO HI-FI

Integrated Stereo 40 Watt Control Amplifier Kit

\$79⁹⁵

- Do It Yourself!
- Save \$45!
- Complete Instructions!

Superb, quality first engineering, new decorator styling, moderate cost. A truly outstanding value. Consists of two 20 watt amplifiers and a complete stereophonic high-fidelity control center all mounted on one chassis. Switched sets of stereo inputs includes two mag. phono (one for turntable and one for changer), tape head, preamplified tape, FM-AM stereo tuners, FM-FM multiplex, and auxiliary. Clutch concentric level controls with balance check switch, and a loudness/level switch. Concentric bass and treble tone controls. Also has 6-position stereo/mono mode selector, tape monitor, Speaker outputs: 4, 8, 16 ohms. Response: 20-20,000 cps, ± 0.5 db. Distortion: 1M, 2%, harmonic .5%.

A33CX542 Kit, Ship. wt. 30 lbs... \$5 Monthly, Net 79.95
A33CX543 Completely wired.... \$6 Monthly, Net 124.95



\$5 Monthly



\$5 Monthly

Integrated Stereo Control Amplifier Kit

A deluxe combination of all-out engineering and handsome decorator styling at an extremely reasonable cost. Consists of two 35-watt amplifiers and a complete stereophonic high fidelity control center on one chassis. Switched sets of stereo inputs include two magnetic phono tape head, preamplified tape, FM-AM stereo tuners, FM-FM multiplex, and auxiliary. Has clutch concentric level controls with balance check switch and loudness/level switch. 4, 8, and 16 ohm speaker connections, third channel speaker connection. Response: $\pm 1/2$ db at 20-20,000 cps. Distortion: 1M; 2% at 70 watts, Harmonic; .5% at 70 watts. Size: 15 1/2" x 5" x 16". Complete with case.

A33CX544 ST-70K, Kit..... \$5 Monthly, Net 94.95
A33CX545 ST-70W, Wired..... \$7 Monthly, Net 144.95

ST-96 FM-AM Stereo Tuner Kit

\$89⁹⁵

- Designed for Easy Assembly!
- Do It Yourself!
- Pre-aligned FM Front End

Combines high styling with advanced design. Has a pre-wired, pre-aligned FM front end completely shielded in a die-cast housing. FM and AM IF strips are pre-wired and pre-aligned. "Eye-tronic" tuning indicators contract into an exclamation point at the exact center of each broadcast channel. FM section has switched AFC, AGC, stabilized low limiting threshold for weaker signals, and broad-band ratio detector for better capture ratio and easier tuning. AM section has tuned RF stage, switched broad and narrow band-pass, ferrite loop antenna. Both have slide-rule tuning, high output, low impedances.

SPECIFICATIONS: Sensitivity: FM; 1.5 μ v for 20 db quieting, AM; 3 v. for 1.0 V average output at 20 db S/N ratio. Selectivity: FM; 250 kc bandwidth (6 db down), AM; IF bandwidth of 18 kc at "broad bandwidth", 9 kc at "narrow bandwidth." Frequency Response: FM; 20-15,000 cps ± 1 db, AM; 20-4,500 cps. Image Rejection: 40 db FM, 60 db AM. Hum Level: 60 db down FM, AM. Negligible drift. Tuning Range: 87.5-108.5 mc, FM; 540-1650 kc, AM. Output level: FM; 2.5 v, AM; 1.0 v, 15% x 5 x 15".
A36CX019 Tuner Kit, Ship. wt. 16 lbs. \$5 Mo., Net 89.95
A36CX020 Assembled, Wt. 16 lbs. \$6 Mo., Net 129.95



69.95

HF-81 STEREO PHONIC DUAL AMPLIFIER-PREAMPLIFIER

(A) A complete high fidelity stereophonic control center and a pair of 14 watt amplifiers, all on 1 chassis. You can select, preamplify, and control accurately any stereophonic source (tape, disc, or broadcasts). The 14 watt amplifiers can be used together for monaural for 28 watts through your 2-speaker system. Has separate low level input in each channel for mag. phono, tape head, and microphone. Separate high level inputs for AM tuner, FM tuner, FM multiplex. Independent full-range bass and treble controls in each channel. 1M distortion 2% at 28 watts (14 watts each channel). Response: 2 w ± 0.5 db at 10 cps to 100 kc. Harmonic distortion less than 1% from 30 cps to 10 kc. Tone control range ± 15 db at 50 c, and 10 kc. 4, 8 and 16 ohms output. Ship. wt. 24 lbs.

A33CX540 Kit. Only \$5 Monthly, Net 69.95
A33CX541 Wired... \$6 Monthly, Net 109.95

38.95

EICO MODEL AF-4 STEREO DUAL AMPLIFIER KIT

(B) Two highly fed-back, single-ended amplifiers preceded by a preamp offering complete flexibility for stereo/mono operation. No control devices, which can affect distortion or stability, are used in the feedback loops. A moderate single tone control is used and the available gain thus released is converted into distortion reducing feedback. Separate stereo pairs of inputs and input selector switch for all conventional inputs and FM multiplex. Channel mode selector for channel balancing, reversing, stereo/mono, etc. Concentric level and tone controls with built-in clutch. Harm. Dist. less than .7%, 100-15,000 cps at 2 w. IM dist. 1.4% at 2 w. Response $\pm .5$ db at 30-20,000 cps. Input imp.: ceramic cart. 2 megs, all others 1 meg. 4, 8, 16, 32 ohm speaker connections.

A33CX275 Kit, Ship. wt. 13 lb. Net 38.95
A33CX248 Wired... \$5 Monthly, Net 64.95

59.95

EICO MODEL HFT-92 FM/AM TUNER

(C) For monaural AM and FM reception and stereo FM-Multiplex reception with adapter. Has a pre-wired, pre-aligned front end, guaranteed drift-free. Pre-wired exclusive precision "eye-tronic" tuning, pre-aligned IF coils, cathode follower and FM-Multiplex stereo outputs. Superior sensitivity, low noise, complete stability. The most advanced circuitry and temperature-compensated components provide remarkable sensitivity, low noise, and drift-free performance. Even a novice, following EICO directions, can build a tuner equal to factory-wired units. Response: FM; 20-20,000 cps ± 1 db, AM; 20-5000 cps ± 3 db. IF Bandwidth: FM; 260 kc at 6 db, AM; 8 kc at 6 db, Hum: Both 60 db below 1 v. Tuning range: AM; 540-1650 kc, FM; 88-108 mc. High stability. Ship. wt. 12 lbs.

A36CX332 Kit... \$5 Monthly, Net 59.95
A36CX298 Wired... \$5 Monthly, Net 94.95

New...

EICO

Model RP-100 Tape Deck

- Stereo/mono 1/4 track erase, record, playback
- Separate record and playback heads
- Dual meters for stereo recording

Dynamic new tape deck provides stereo/mono 1/4 track erase, record and playback. Separate record and playback heads, and independent record and playback electronics. Dual meters for stereo recording. Sound-on-sound recording without changing connections. Separate line and mike mixing level controls in each channel. Precision-constructed, rugged tape transport. Employs heavy-duty hysteresis synchronous capstan motor with heavy precision flywheel for unvaryingly accurate speed. Two 4-pole reel motors with positive electro-dynamic breaking. Electrical pushbutton controls transport. Tape lifters remove tape from heads during fast winding to minimize head wear. Minimum flutter and wow. Convenient sweep loading, top-of-deck speed shift control, digital counter. Can be mounted horizontally or vertically. Speeds: 7 1/2 x 3 3/4 ips; maximum reel size: 7"; rewind and fast forward time: 1200 ft. in less than 1 minute; flutter and wow: 0.2% at 7 1/2 ips, 0.25% at 3 3/4 ips; freq. resp.: 30-17,000 cps at 7 1/2 ips, 40-15,000 cps at 3 3/4 ips; signal-to-noise ratio: 53 db or better with signal recorded 12 db below saturation at 7 1/2 ips; timing accuracy 0.3%. 15 1/2" wide x 13 1/2" front-to-back x 7" deep. Ship wt. 26 lbs.

Model RP-100W completely assembled, wired, tested with 3 heads; stereo record, stereo playback preamplifiers.
A34CX004 \$19 Monthly, Net 395.00

\$395⁰⁰



Model RP-100 K semikit. Completely assembled, tested transport with 3 heads and control electronics, stereo record and playback amplifiers in kit form.
A34CX005...only \$13.50 Monthly, Net 289.95

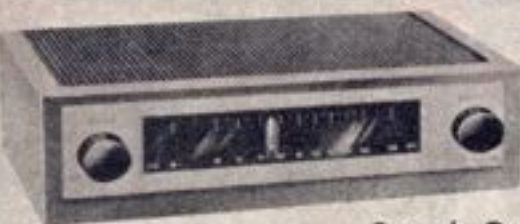
\$289⁹⁵

EICO HI-FI FM TUNER KIT

With Entirely Pre-Wired and Pre-Aligned Front End

\$39⁹⁵ Inc. F.E.T.

Superb Quality at Substantial Savings



HFT-90—Among the most advanced FM tuners in today's market. It's the first tuner in kit form to include pre-wired, pre-aligned front end (housed and shielded in a solid aluminum zinc casting). This front end provides fabulous sensitivity, low noise—and is stable and guaranteed drift free by virtue of the most advanced circuitry and temperature compensated components (which completely eliminates need for AFC). Drift is less than 2 parts in 10,000 from a cold start. Sensitivity: 1.5 μ v for 20 db quieting; 2.5 μ v for 30 db quieting; full limiting from 25 μ v. Inputs are 300 ohm balanced. Freq. resp.: from 20-20,000 cps plus or minus 1 db. IF bandwidth 260 kc at 6 db points. Detector characteristic: peak separation of 600 kc. Linear bandwidth of 400 kc. Broad-band ratio detector preceded by stabilized limiter stage. Cathode follower and multiplex output, 8 tube complement. Ship. wt. 10 lbs.
A36CX014 HFT-90 Kit.....only \$5 Monthly, Inc. F.E.T., Net 39.95
A36CX015 HFT-90 Wired.....only \$5 Monthly, Inc. F.E.T., Net 65.95
A36CX016 E-3 Case. Ship. wt. 3 lbs.....Inc. F.E.T., Net 3.95

EICO HI-FI AM TUNER KIT



Precision-engineered and constructed \$39⁹⁵ Inc. F.E.T.

HFT-94. Best buy in its field! For monaural AM reception and stereo AM-FM with matching EICO FM tuner HFT-90 or equivalent. Choice of "hi-fi" wide bandpass to 14 kc or narrow bandpass to 7 kc. Precision tuning. High output with low distortion and low output impedance. Full wave rectifier, heavy filtering. Pre-aligned RF and IF coils; slide rule dial. No test instrument necessary. 3" x 12" x 8 1/2". Inc. metal case. Ship. wt. 12 lbs.
A36CX974 Kit.....Inc. F.E.T., Net 39.95
A36CX973 Wired.....Inc. F.E.T., Net 65.95

EICO Stereo Amplifiers



(A) EICO HF-85 STEREOPHONIC DUAL AMPLIFIER KIT. Selects, preamplifies, controls any stereo source (tapes, discs, broadcasts). Self-powered. Separate low level input in each channel for mag, phono, tape head, mike. Separate high level inputs for AM or FM tuners, FM Multiplex. Freq. resp.: ± 0.3 db 5-400,000 cps at up to 3V RMS out. Sensitivity (input for 2V RMS output at 1000 cps); mag, phono—1 mv; microphone—1 mv; tapehead—0.5 mv; high level inputs—0.17 V. Hum noise: mag, phono—60 db; microphone 60 db; high level inputs—75 db. IM, distortion 0.07% at 4.0V out. Harmonic distortion (20-20,000 cps)—0.1% at 3V RMS out; tone control range: 50 cps to 10 kc; ± 15 db. Equalization: phono—RIAA; tape head—NARTB for 15 ips, 7 1/2 ips, 3 3/4 ips. Output imp.: 1400. Tubes: 5-12AX7/ECC83 1-6x4. 3" x 12" x 8 1/2". Ship. wt. 12 lbs. With case.
A33CX529 Kit.....Inc. F.E.T., Net 39.95
A33CX530 Wired.....Inc. F.E.T., Net 64.95

(B) EICO HF-86 STEREO HI-FI AMPLIFIER. Sensational 28 W dual power amplifier. For use with HF-85. Each amp. rated at 14 W output, Williamson circuit, push-pull EL-84 output stage. Level control of each input, a-c power switch. Special med. mu triode tube (12DW7). 5" x 13 1/2" x 9". Ship. wt. 16 lbs.
A33CX752 Kit, HF-86K.....Net 43.95
A33CX749 Wired, HF-86W.....Net 74.95
A33CX734 E-7 Case. Wt. 3 lbs.....Net 3.95

(C) EICO HF-87 70 WATT STEREO HI-FI DUAL AMPLIFIER. Highest standards of high fidelity at a fraction of the usual cost. Output power: 70 w (two 35w amplifiers) continuous, 140 w peak. Freq. Resp.: ± 0.5 db 5 cps—100 kc. Ch. separation: 55 db. Level Ch. 1, Level Ch. 2 switch. On-Off switch. 117 v, 60 cps. 15"x11"x6". Ship. wt. 32 lbs.
A33CX219 Kit, HF-87K.....Net 74.95
A33CX754 Wired, HF-87W.....Net 119.95
A33CX733 E-8 Case. Wt. 3 lbs.....Net 4.50

(D) EICO HF-89 NEW 100 WATT STEREO POWER AMPLIFIER KIT. Top quality power amplifier. Quality of the driving circuit, the output tubes and output transformers is unsurpassed, IM distortion below 0.1%. Undistorted total power of 78 W at 15 cps and 28 W at 10 cps makes the low end extremely solid and full. Freq. resp. ± 0.5 db 5 cps—100 KC. 15" x 11"x6". Ship. wt. 37 1/2 lbs.
A33CX903 Kit, HF-89K.....Net 99.50
A33CX902 Wired, HF-89W.....Net 139.50
A33CX753 E-8 Case. Wt. 3 lbs.....Net 4.50
FURNITURE CABINETS
For EICO models HF-85, HF-86, HF-12, HFT-90, HFT-92, HFT-94. Ship. wt. 4 lbs.
A33CX252 WE-70 Birch.....Net 8.95
A33CX253 WE-70 Mahogany.....Net 12.50
A33CX254 WE-70 Walnut.....Net 12.50
For EICO Models HF-81, HF-32, Ship. wt. 4 lbs.
A33CX255 WE-71 Birch.....Net 9.95
A33CX256 WE-71 Mahogany.....Net 13.95
A33CX257 WE-71 Walnut.....Net 13.95

There Are Books for the Hobbyist on pages 125 thru 129 and on pages 135 and 139

EICO

...Famed For The Finest Stereo-Monaural Hi-Fi Components!

DUAL AUTOMATIC STEREO CHANGER AND PLAYER

COMPLETE with tone arm, stereo cartridge and diamond stylus—an entire unit engineered for a superior overall integrated design! Has precision pre-adjusted stylus pressure; latest induction motor; new power transmission design for positive, accurate speed. Accommodates all record sizes and speeds; can be played manually or automatically. Tone arm is resonance-free; snap-in cartridge makes replacement easy, quick. Has streamlined modern look and simplicity of operation. Designed to be used by anyone—the whole family! Built to “take it,” yet it gives professional performance that delights the most avid music lover! 10 1/2" x 13". Ship. wt. 22 lbs.

| | |
|---|-----------------------------|
| A15CX559 Model 1007-D |\$5 Monthly, Net 59.75 |
| Some as 1007-D, except with sapphire stylus. | |
| A15CX560 Model 1007-S |\$5 Monthly, Net 49.75 |
| Metal Base for 1007 Changer. Ship. wt. 6 lbs. | |
| A15CX561 MB-1 |Net 3.95 |

\$59⁷⁵



| | |
|--|---------------|
| Automatic 45 RPM Spindle for 1007. Ship. wt. 1 lb. | |
| A15C562 45-A5 |Net 4.80 |
| Wood Mounting Board for 1007. Ship. wt. 1 lb. | |
| A15C563 WM-1 |Net 2.40 |



22-Watt Power Amplifier Kit

(A) Low-noise EF-86 pentode voltage amplifier directly coupled to a 6SN7GTB cathode-coupled phase inverter driving a push-pull 6L6GB tapped-screen output stage. Features same as HF-50 except tubes are self-biased 61GB's and rectifier is 5U4GB. Size: 7" x 14" x 8". Ship. wt. 25 lbs.

| | |
|--------------------------------|-----------------------|
| A33CX955 HF-22K | ...\$5 Mo., Net 38.95 |
| A33CX954 HF22W. Wired |Net 61.95 |
| MATCHING ENCLOSURE FOR HF-22. | |
| A33CX593 E-2. Ship. wt. 3 lbs. |Net 4.50 |

50-WATT ULTRA-LINEAR INTEGRATED MONAURAL AMPLIFIER KIT. Combines a 50-watt Ultra-Linear power amplifier section essentially identical to the HF-50, with a preamp-equalizer control section similar to HF-20. Provision for use with electronic crossover network and additional amplifier(s). Ship. wt. 27 lbs.

| | |
|--------------------------------|-----------------------|
| A33CX588 HF-52K | ...\$5 Mo., Net 69.95 |
| A33CX591 HF052W. Wired |Net 109.95 |
| MATCHING ENCLOSURE FOR HF-52. | |
| A33CX592 E-1. Ship. wt. 3 lbs. |Net 4.50 |

60-WATT ULTRA-LINEAR POWER AMPLIFIER KIT. Finest components and circuitry! EF-86 low-noise voltage amplifier directly-coupled to 6SN7GTB cathode couple phase inverter driving a pair of Ultra-Linear connected push-pull EL-34 output tubes operated with fixed bias. Rated power output: 60 W. (130 W. peak). Size: 7" x 14" x 8". Ship. wt. 30 lbs.

| | |
|--------------------------------|-----------------------|
| A33CX586 HF-60K | ...\$5 Mo., Net 72.95 |
| A33CX589 HF-60W. Wired |Net 99.95 |
| MATCHING COVER FOR HF-60. | |
| A33CX593 E-2. Ship. wt. 3 lbs. |Net 4.50 |



EICO Speaker System Semi-Kits

(D) \$72⁵⁰
\$47⁵⁰

(D) 3-WAY HI-FI SPEAKER SYSTEM SEMI-KIT. Has 12" bellows suspension woofer, 8" closed back mid-range speaker, 3 1/2" tweeter. Easy to assemble. 45 lbs. 1.

| | |
|-------------------------------|-----------|
| A31CX669 HFS-3, Unfin. Birch. | Net 72.50 |
| A31CX667 HFS-3, Satin Mahog. | Net 87.50 |
| A31CX668 HFS-3, Oiled Walnut. | Net 87.50 |

(E) BOOKSHELF-TYPE SPEAKER SEMI-KIT. 2-way system includes an 8" bellows suspension woofer and 3 1/2" closed back tweeter. Provides clean, deep smooth bass. 24" x 12 1/2" x 10". Wt. 25 lbs.

| | |
|-------------------------------|-----------|
| A33CX670 HFS-5, Unfin. Birch. | Net 47.50 |
| A33CX665 HFS-5, Satin Mahog. | Net 59.50 |
| A31CX666 HFS-5, Oiled Walnut. | Net 59.50 |



30-Watt Integrated Amplifier

(B) Combines HF-30 power amplifier with versatile preamplifier-control section. Has scratch and rumble filters in addition to usual facilities, 3 low level inputs for magnetic phono, tape head, mike; 4 phono equalizations; 3 high level inputs for TV, tuner, crystal/ceramic cartridge or tape. Includes metal cover. Output power: 30 W. cont., 47 W. peak. Size: 15" x 4 1/2" x 10 1/2". Wt. 24 lbs.

| | |
|------------------------|-----------------------|
| A33CX539 HF-32K | ...\$5 Mo., Net 57.95 |
| A33CX538 HF-32W. Wired |Net 89.95 |

30-WATT BASIC POWER AMPLIFIER KIT. Employs four EL84 output tubes in push-pull parallel, and high quality output transformer. Can be operated from any preamplifier control unit. Has panel mount fuse holder and switched and unswitched convenience outlets. Rated output power: 30 watts cont., 47 watts, peak. Size: 5" x 12" x 7". Wt. 17 lbs.

| | |
|--------------------------------|-----------------------|
| A33CX584 HF-30K | ...\$5 Mo., Net 39.95 |
| A33CX585 HF-30W. Wired |Net 62.95 |
| MATCHING COVER FOR HF-30. | |
| A33CX594 E-4. Ship. wt. 3 lbs. |Net 3.95 |

14-WATT POWER AMPLIFIER KIT. Excellent moderate power basic model with Williamson-type circuit and push-pull EL84 output stage. Delivers surprising amount of undistorted power across full audio range and both stability and transient response are excellent. Frequency resp.: ±0.5 db 10 cps-100 kc. Ship. wt. 10 lbs.

| | |
|-------------------------------|-----------------------|
| A33CX910 HF-14K | ...\$5 Mo., Net 23.50 |
| A33CX909 HF-14W. Wired |Net 41.50 |
| MATCHING ENCLOSURE FOR HF-14. | |
| A33CX733 E-6 |Net 4.50 |



20-Watt Amplifier Kit

(C) Fully controlled Ultra-Linear Williamson amplifier of the highest quality. Rated power output: 20 W. (34 W. peak). Freq. Resp.: (1/2 W.) ±0.5 db 13-35,000 cps; ± db 7-50,000 cps. 5 feedback equalizations. 2 low-level inputs for proper loading with all cartridges. 4 hi-level switched inputs: tuner, TV, tape, aux. 8 1/2" x 15" x 10". Wt. 24 lbs.

| | |
|--------------------------------|-----------------------|
| A33CX335 HF-20K | ...\$5 Mo., Net 49.95 |
| A33CX336 HF-20W. Wired |Net 79.95 |
| MATCHING CASE FOR HF-20. | |
| A33CX592 E-1. Ship. wt. 3 lbs. |Net 4.50 |

EICO 12-WATT AMPLIFIER KIT. New Williamson-type complete amplifier with complete "front-end" facilities and true hi-fi performance. Direct tape head and magnetic phono inputs with NARTB (tape) and RIAA (phono) feedback equalizations. 6-tube circuit, dual triode for variable turnover bass and treble feedback-type controls. Output Power: 12 W. cont., 25 W. pk. Size: 3 1/2" x 12" x 8 1/4". Incl. metal cover. Ship. wt. 13 lbs.

| | |
|------------------------|-----------------------|
| A33CX327 HF-12K | ...\$5 Mo., Net 34.95 |
| A33CX328 HF-12W. Wired |\$7.95 |

50-WATT AMPLIFIER KIT. Features virtually absolute stability, flawless transient response under either resistive or reactive (speaker) load, and no bounce or flutter under pulsed conditions. Extremely high quality output transformer with exclusively interleaved windings, 4, 8, 16 ohm speaker connections. Output power: 50 W. cont., 100 W. peak. 7" x 14" x 8". Ship. wt. 29 lbs.

| | |
|--------------------------------|-----------------------|
| A33CX587 HF-50K | ...\$5 Mo., Net 57.95 |
| A33CX590 HF-50W. Wired |Net 87.95 |
| MATCHING COVER FOR HF-50. | |
| A33CX593 E-2. Ship. wt. 3 lbs. |Net 4.50 |

35-WATT POWER AMPLIFIER. Ultra-linear hi-fi basic power amplifier employing a circuit containing low-noise EF-86 pentode voltage amplifier directly coupled to a 6SN7GTB cathode-coupled phase inverter, driving a push-pull EL-34 tapped screen output stage. Slow warmup rectifier tube eliminates high starting voltages and lengthens tube life. Features the same as F-50 except output tubes are self-biased. 7" x 14" x 8". Ship. wt. 25 lbs.

| | |
|--------------------------------|-----------------------|
| A33CX969 HF-35K | ...\$5 Mo., Net 47.95 |
| A33CX968 HF-35W. Wired |Net 72.95 |
| MATCHING COVER FOR HF-35. | |
| A33CX593 E-2. Ship. wt. 3 lbs. |Net 4.50 |

For the Audio Perfectionist...
Dollar-Saving Dynakit From

DYNACO

Dynatuner FM Tuner Kit

Here's a complete frequency modulation kit with printed circuit design for easy assembling. Can be completely aligned without auxiliary equipment. Has maximum linearity and stability of operation, yet is highly sensitive. Tuned RF input utilizes cathode-coupled dual triode tube for four μ v sensitivity. Mixer-oscillator stage is pentode-triode and furnishes highest mixer conversion transconductance. Minimum phase shift IF's, wide band detection, linear design create a tuner of low distortion—less than 0.25% over useful range of operation; 0.5% with signal level 10 μ v. Ship. wt. 11 lbs. A33CX545 Dynatuner.....\$5 Monthly, Net 79.95



• Simple to assemble!
• Extremely low distortion!

\$5 Monthly **\$79⁹⁵**



Case Included! **\$59⁹⁵**

Dynakit Stereo Preamplifier

Includes two independent high gain, low noise preamplifier control channels, complete stereo facilities. Built-in power supply. Heaters are DC operated for an absolute minimum of noise. All critical portions are pre-assembled on two printed circuit boards, reducing assembly time. 3 low-level inputs, 4 high level inputs. Low impedance audio output, tape output unaffected by volume or tone controls. Distortion: less than 0.05% IM at normal output. Response: ± 0.5 db 10 cps to 60 kc. Size: 13" x 8" x 4" high. Ship. wt. 11 lbs.

A33CX767 PAS-2 Kit\$5 Monthly, Net 59.95
A33CX769 PAS-2 Wired\$5 Monthly, Net 99.95



Case Included! **\$34⁹⁵**

Dynakit Mono Preamplifier Kit

Low-noise high-gain preamp kit that takes its power from Dynakit, Heathkit or other amplifier with power socket. Features: preassembled printed circuit board, DC heater supply, tape, AB monitor switch, 1% components, four AC outlets—2 switched from front panel. Six inputs, record equalization, low imp. 1000 ohm output, tape output independent of volume and tone controls, loudness in/out, bass and treble controls with true flat settings. Less than 0.05% IM @ 1.5V out. Response flat ± 1 db 10-100,000 cps. Size: 12" x 6" x 2 1/4". Ship. wt. 8 lbs.

A33CX516 PAM-1 Kit\$5 Monthly, Net 34.95
A33CX513 PAM-1 Wired\$5 Monthly, Net 59.95



DYNAKIT STEREO 70

- Includes Cover!
- Rugged, Reliable!

\$5 Monthly **\$99⁹⁵**

Top-rated 70 watt stereo amplifier kit with perfectly defined bass, smooth, natural high, plus absolute stability of operation. Two independent 35 watt channels can be paralleled for 70 watts of monophonic power. Low internal impedance insures excellent damping of all types of high quality speaker systems. 35 watts per channel, continuous at less than 1% IM distortion. Freq. Resp: ± 0.5 db from 10 to 40,000 cps. Output impedance: 4, 8, 16 ohms. Size: 13" x 9 1/2" x 6 1/2". Ship. wt. 32 lbs.

A33CX526 Stereo-70 Kit\$5 Monthly, Net 99.95
A33CX527 Stereo-70 Wired.....\$7 Monthly, Net 129.95



DYNAKIT MARK III

- Premium parts!
- Easy to assemble!

\$5 Monthly **\$79⁹⁵**

New 60-watt top quality mono amplifier kit with pre-wired printed circuit assembly having parts mounted—reducing finishing time to 3 hours! New Dynaco A-431 transformer, superior parts. 60W @ under 1% IM, less than 0.5% under 50W and about 0.04% @ average levels less than 1% harmonic; freq. resp. better than ± 0.5 db 6-60,000 cps, 4, 8, 16 ohm outputs, 9" x 9" x 6 1/2". Includes cover. Ship. wt. 30 lbs.

A33CX517 Mark III Kit\$5 Monthly, Net 79.95
A33CX518 Mark III Wired\$5 Monthly, Net 99.95
Dynakit Mark IV 40 watt basic amplifier. Ship. wt. 20 lbs.
A33CX768 Mark IV Kit\$5 Monthly, Net 59.95
A33CX771 Mark IV Wired\$5 Monthly, Net 79.95

DYNACO TRANSFORMERS

These are super-fidelity output and power transformers—the same used in Dynakit's famous Mark III and IV.

| Cat. No. | Type | Watts | Ohms | Wt. Lbs. | Net |
|----------|----------|-------|---|----------|-------|
| A33CX596 | A-410 | 15 | 8,000 ct to 8, 16 ohms | 7 | 14.95 |
| A33CX597 | A-420 | 30 | 6,600 ct to 8, 16 ohms | 9 | 19.95 |
| A33CX522 | A-430 | 60 | 4,300 ct to 8, 16 ohms | 16 | 29.95 |
| A33CX598 | A-431 | 60 | 4,300 ct to 8, 16 ohms | 16 | 34.95 |
| A33CX546 | A-431-70 | 60 | 4,300 ct to 4, 8, 16 ohms, 70V. | 16 | 39.95 |
| A33CX523 | A-440 | 120 | 4,300 ct to 8, 16 ohms tertiary winding! | 26 | 39.95 |
| A33CX599 | A-450 | 120 | 2,200 ct to 8, 16 ohms | 25 | 39.95 |
| A33CX547 | A-470 | 35 | 4,300 ct to 4, 8, 16 ohms | 14 | 24.95 |
| A33CX595 | P-782 | | Power transformer for Mark III | 9 | 12.00 |
| A33CX548 | PA-080 | | Power transformer for Stereo 70 | 10 | 14.00 |
| A33CX549 | FA-135 | | Power transformer for Mark IV | 7 | 10.00 |
| A33CX550 | FA-211 | | Power transformer for PAS-2 | 6 | 6.00 |

DYNAKIT STEREO CONTROL

\$12⁹⁵

Permits low-cost conversion to stereo for all Dynakit owners; used with Dynakit preamplifiers, it offers maximum stereo control facilities with simplicity of operation. Features include all stereo functions such as Dual Volume control, Balance control, Blend control, etc. Only 3 1/2" x 5 1/2". Ship. wt. 2 lbs.

A33CX515 D5C1.....\$2 Down, Net 12.95
DUAL POWER SUPPLY KIT: Has provision for simultaneous power to two preamplifiers in stereo usage. Ship. wt. 2 lbs.
A33CX524 PS-1Net 8.95



REALISTIC

Electrostat-3[®]

The Most-Raved About Tweeter
In All Hi-Fi History!



Almost 3 years old—yet
STILL without a peer! . . .
STILL the "one and only"
tweeter for thousands of
music-lovers everywhere!



NEW FREE COMBINATION OFFER!

With the purchase of each REALISTIC Electrostat-3[®], you'll receive absolutely FREE a REALISTIC Crossover Network (two with matched pairs) for perfect balance between speakers! Specify 8 or 16 ohm when ordering.

STILL ONLY
\$27⁵⁰
\$2 Down, \$5 Monthly

**FACTORY MATCHED
PAIRS for STEREO
only \$75 per pair**

Matched precisely at the factory . . . packaged together and never apart from factory to you, an ELECTROSTAT-3[®] matched pair gives you the tested precision you need for stereo. Recommended for KLH, AR, REALISTIC Delta-12 woofers or other fine speaker systems. Ship. wt. 14 lbs. per pair.



- A.** Rigid bracing helps maintain critical positioning of elements.
- B.** 5000 cps high-pass filter prevents low woofer frequencies from entering unit.
- C.** Built-in power supply provides 3 metal plates with current necessary for electrostatic operation.
- D.** Double fuse provides extra safety.

• "No Distortion" • Improves Any Response!
• Speaker System!

Here's tweeter magnificence beyond compare! Radio Shack's internationally-acclaimed REALISTIC Electrostat-3[®]! From the world-over have come such honquets and raves as "Everything it's supposed to be," "best highs ever," "silky smooth," "magnificent." Yes, the whole audio world has been cheering this amazing tweeter . . . and for good reason! Used with any of the better air-suspension woofers, it adds a smooth unique brilliance clearly measurable to beyond 25,000 cycles—cleaner, more wonderful than anything you've ever heard! Hear it with an AR, KLH or any good 8 or 16 ohm speaker . . . then you'll know why this famous tweeter is one of the most unique hi-fi values of our time! 11 1/2" x 5 3/4" x 4 1/2". Ship. wt. 7 lbs.

| | | |
|----------|------------------------|-----------|
| A90LX270 | Elec-3 Mahogany Finish | Net 27.50 |
| A90LX277 | Elec-3 Blond Finish | Net 27.50 |
| A90LX284 | Elec-3 Walnut Finish | Net 27.50 |
| A90LX255 | Elec-3 Utility | Net 19.95 |

| | | |
|----------|--------------------------------|-----------|
| A90LX261 | Elec-3 Matched Pairs, Mahogany | Net 75.00 |
| A90LX263 | Elec-3 Matched Pairs, Walnut | Net 75.00 |
| A90LX266 | Elec-3 Matched Pairs, Blond | Net 75.00 |

REALISTIC ELECTROSTAT-3[®] Crossover Network

For any 8 or 16 ohm tweeter-woofer combination! Has built-in low frequency control for perfect balance between speakers. Easy installation . . . screw terminals. Mount anywhere, any position. Completely assembled, but at a *kit price!* Maroon housing, gold face-plate. Ship. wt. 2 lbs.

| | | |
|---------|--------------------------|----------|
| A91L534 | 8 Ohm Crossover Network | Net 6.95 |
| A91L531 | 16 Ohm Crossover Network | Net 6.95 |

BACKGROUND AND HISTORY OF THE FAMOUS ELECTROSTAT-3[®]

In 1958 Radio Shack in cooperation with the original designer of this amazing element, developed the original Electrostat 3[®]. We added the polarized power supply, improved the angle of dispersion, and at the same time, adapted the Electrostat-3[®] for functional use, making it easy for everyone to incorporate this startling tweeter into his hi-fi system. First also was Radio

Shack's application of strict quality control—the careful checking of each element under identical conditions. That painstaking, individual check is still maintained, and in charge of it, as well as head of production, is the original inventor of the fabulous Electrostat-3[®]!

© Electrostat-3 is a registered trademark with the U.S. Patent Bureau.

Exciting Breakthrough In Sound

REALISTIC



REALISTIC *Electrostat-2*[®]

FULL RANGE SPEAKER SYSTEM

with NEW 4-ELEMENT ELECTROSTAT TWEETER

COMPARES TO SYSTEMS SELLING

AT 3 TIMES THIS PRICE!

- 120° Dispersion Provides Highs of Concert-Hall Clarity
- Level Attenuator for Magnificent Balance of Highs
- Convenient AC On-Off Switch for Easy Control of Electrostatic Element
- 8" Woofer for Rich, Sonorous Lows
- Lavish Wood Cabinetry Crafted and Finished by Artisans
- Acoustically Tested Grille Cloth

Here's the magnificent new showcase of sound from Radio Shack's world famous hi fi research experts. The incomparable Electrostat-2 speaker system has a COMPLETELY NEW 4 element electrostat tweeter that climbs the highest peaks of sound. And the price is an unprecedented LOW for a system of such excellence. The new 4 element tweeter is broken up to provide 120° dispersion bringing highs of diamond-like brilliance and clarity to every listener in the room. Many additional features usually found in costly systems are integrated into the Electrostat-2: level attenuator for sensitive balance of highs; 8" woofer for rich, resonant lows; convenient AC On-Off switch for control of electrostat element; super sensitive frequency response 30-25,000 cycle system; 8 ohms impedance; 20 Watt power capacity; network crossover at 7500 cps; resonant frequency of 45 cps. And, this Realistic-2 is a treat to the eye as well as the ear with its elegantly designed cabinet of genuine mahogany. Space-saving dimensions of 22½" high x 13" wide x 12" deep. Shipping weight 27 lbs.

A90LX286 Mahogany.....\$5 Monthly, Net 54.95



\$54⁹⁵

Only \$2 Down,
\$5 Monthly

**REALISTIC Electrostat-2
In Decorator Cabinet
Of Rare Imported Teakwood**

Connoisseur cabinet for your REALISTIC Speaker System of prized, genuine teakwood. Precious teakwood, the most valuable of all known timbers, has never before been available in a speaker system of this moderate price. It does not split, crack, shrink or alter its shape. Electrostat-2 of luxurious teak is a magnificent showpiece in any living room. Shipping weight 27 lbs.

A90LX287.....\$5 Monthly, Net 59.95

\$5 Monthly \$59⁹⁵

REALISTIC

Brand New! *Electrostat-4A* Full Range Speaker System

Combining magnificent sound, modest price and beautiful cabinetry—Now available in **GENUINE TEAKWOOD!** First Time Ever!



Built around the Electrostat-3 . . . the Tweeter that put the "hi" back into HI-FI!

The world's first and only complete-range speaker system incorporating (and especially designed for) the famous Electrostat-3, a 120" wide-range dispersion tweeter with a frequency response from 5,000 to 25,000 cps. This amazing tweeter (even has a separate OFF-ON switch) has been showered with sound accolades from every corner of the audio world. Now it's combined with other Radio Shack engineered components to produce unheard (of) sound! Here's a truly unique "pneumatic compression", a 3-way system embodying a newly designed 10" long-throw woofer for phenomenally clean bass response with a special 8" mid-range cone speaker (1,000-5,000 cps) and the Electrostat-3 elements strategically arranged for superior sound dispersion. A built-in, self-enclosed 3-way crossover network, complete with polarizing supply for the tweeter, is provided. A set of rear panel controls let you vary acoustical output to suit your room acoustics. Perfect balance stereo need never take more than a few simple flicks of the wrist. Frequency response is guaranteed to be at least 25-25,000 cps. Impedance is 16 ohms, power handling capacity is 30 watts constant. Rear panel controls include 9-position hi-range and mid-range dials. Cabinet is completely sealed for best performance. This Realistic Electrostat-4A is the result of hundreds upon hundreds of man-hours of research, testing, re-testing, etc. We've smashed it, bashed it, broiled it, soiled it (many times spoiled it!) until we felt we had the best combination of elements to offer in a 3-way system. We say, without any reservations, that the new Electrostat-4A is the finest full-range speaker system AT ANY PRICE! We're so proud of it that we offer it in a brand new concept of wood and finish—GENUINE TEAKWOOD. Hand-rubbed and oiled, a stunning piece of furniture design, so simple . . . so modern . . . so desirable! See and hear the Electrostat-4A in your home! Measures 13 3/4" wide x 12 1/2" deep x 27" high. Ship. wt. 43 lbs. A90LX700, Genuine Oiled Teakwood \$5 Monthly, Net 89.50 A90LX701, Mahogany \$5 Monthly, Net 79.95

\$ 89⁵⁰
\$5 Monthly

Electrostat-4A's can be purchased on Radio Shack's Easy Budget Plan. See page 3 for more information.

Full-Range Coaxial Realistic Speakers

EXCLUSIVELY OURS . . . AND LOOK AT THE SAVINGS!

12" COAXIAL

SAVE \$17.55 on this famous REALISTIC full-range 12" coaxial speaker with a frequency response of 35-18,000 cps. The brilliant sound of this budget-priced speaker is amazing. "Plus" features include: heavy duty Alnico 5 magnets; 8 ohm impedance; rugged construction and lasting performance. This speaker is acclaimed as one of the top values in the 12" full-range coaxial speaker field. A31CX180 Ship. wt. 7 1/2 lbs. Net 14.95

LIST \$32.50
\$14⁹⁵
Only \$2 down

8" COAXIAL

SAVE \$7.55 on this "Hit" of the hi-fi speaker world. This fine performing speaker has been made to Radio Shack's exacting specifications, and delivers ear-appealing sound to lovers of fine reproduction. Among its outstanding features are the edge treated cone, special high frequency diaphragm and whizzer cone, 8 ohms impedance. Compare similar speakers selling for much more. A31CX184 Ship. wt. 4 lbs. Net 9.95

LIST \$17.50
\$9⁹⁵



REALISTIC

3 Speaker Economy System

"Trio" w/Fabulous 35-17,500 Response—Unbelievably Priced

NEW LOW PRICE

\$39⁹⁵
Only \$5 Monthly

Use to sell for \$44.50

Complete with Enclosure

Realistic's famous Trio is a complete full range, cabinet-included system so low priced you can buy two for stereo and pocket the change. Trio is a top seller, satisfying thousands of audiophiles with its wide frequency range, its clarity and its enduring beauty. Whether used as a stereo component or in a monaural system, it will please you beyond comparison. The 8" woofer has a center mounted acoustic cutoff filter that distinctly yields cleaner lows with no h-f interference. Dual tweeters offering smoother, wider range than the average are solidly encased and mounted up to 90° in certain positions affording you the opportunity to orient the system more completely to the room it is in. A dual high-pass filter network provides extremely smooth crossover. This is not a kit but a fully wired system including the cabinet, separate wood runner feet, sealed back, grill cloth, terminal strip input, acoustic lining, 8 ohm impedance. Measures 22½" x 13" x 11½". Your choice in Mahogany, Walnut or Blond. Shipping weight 25 lbs.

A90LX210 "Trio" Mahogany\$5 Monthly, Net 39.95
A90LX209 For Walnut; A90LX207 for Blond\$5 Monthly, Net 39.95



Compact SOLO-II—Full Range Speaker System



So much for so little! We guarantee the frequency response to be 40-16,000 cps! The ideal extra speaker, perfect for stereo! The specially designed 8" speaker is precision-mounted in an authentic Helmholtz resonator for improved bass. It's a complete system just made for small space hi-fi systems or "remotes," 8 ohm impedance.



Only \$5 Monthly

\$29⁹⁵

This complete system includes the stunning cabinet in your choice of finishes. It measures 20" x 11" x 11"—you can put it anywhere, in any position and it will serve with utmost efficiency. Try two for stereo! Ship. wt. 19 lbs. A90LX241, Solo-II, Mahogany.....\$5 Monthly, Net 29.95
A90LX238, For Walnut.....A90LX248, for Blond

Lowest Priced Complete System PLUS Enclosure

Realistic Solo-I beats systems costing three times more!

Use to Sell for \$17.50
Only \$2 Down

\$15⁹⁵



Small space... low cost... wide range response... unsurpassed in its class! The Solo-I is a solid system with a response from 50-14,000 cps. The sturdy cabinet measures 14½" x 11" x 10½" and is made from heavy stock, not thin plywood. The ultra-compliant suspension cone speaker consists of a woofer with a coaxially mounted "whizzer". Finished on all four sides for use in any position. The back is sealed for complete protection and has a terminal strip for convenience, 8 ohms. Ship. wt. 12 lbs. A90LX250, Solo-I, Mahogany.....Net 15.95
A90LX253, for Walnut.....A90LX254, for Blond

Extra heavy Alnico magnet... Acoustic lining for clean sound... Tuned, vented, duct-type enclosure... Helmholtz resonator designed to extend the range of the Solo-I with REAL LOWS... Beautiful laminated hardwood in your choice of finishes.



Use Radio Shack's Easy Credit Plan!



University

Closeout Coup! Price Slashed on Diffusicone-8 Diffaxials

Mfr's. Suggest. List \$46.67

**SPECIAL
PURCHASE PRICE**

\$19⁹⁵
\$2 Down

Giant Performance at a Midget Price!

Catch on to the bargain train at Radio Shack with this University speaker! The Diffusicone-8 is a fabulous bargain you can't afford to miss. It was made to sell for over twice the low price that we offer it for now, but nothing has been sacrificed in its manufacture. The 8" 2-way diffaxial employs the patented deluxe multi-sectional Diffusicone design with 1000 cps mechanical crossover. Coaxial dual horn loading at the apex of the cone extends mid and high range frequency response. Uniform wide-angle dispersion of highs is achieved by means of radial projector with aperture diffraction. Full fidelity exists at all listening points of the speaker axis. Frequency response 70-13,000 cps. Power capacity 25 watts. Impedance 8 ohms. Measures 8 7/32" diameter by 3 1/2" deep. Ship. wt. 5 lbs.

A90LX396 Diffusicone-8 \$2 Down, Net 19.95

EXCLUSIVE MANUFACTURING FEATURES

This Diffusicone-8 has an All Alnico V W magnet which eliminates 50% of reluctance losses normally present in other designs. The pull of this magnet is so powerful that no bolts or welded joints are required to secure it to the top plate. Rim-centered bi-sectional construction results in vibration-free, shockproof operation and long life. Custom-built tropicalized voice coils are wound on a special form to achieve longevity in concentricity and permit close coil-to-gap design. This results in greater heat dissipation. Diaphragms are individually checked for correct taper, dimensions and weight distribution. All voice coil/diaphragm assemblies are treated with a special antifungicidal solution. Speakers are individually checked both aurally and visually on a spectrum analyzer. You know when your speaker reaches you that extreme care went into its manufacture.

REALISTIC

8" & 10" SPEAKERS

Goodmans

- Vacuum formed, controlled edge, hyperbolic diaphragm-plastic terminated
- Rigid die-cast chassis of slender silhouette
- High efficiency, anisotropic alloy magnet systems
- Individually wound, extra-long aluminum voice coil
- Heat formed impregnated corrugated center suspension
- Linear force/deflection characteristic with maximum radial centering action



\$17⁹⁵



\$11⁹⁵

Years of traditional British craftsmanship stands behind each Goodmans speaker. This heritage of fine experience and inquisitive education demands that the customer be supplied with only the finest of products. The only speakers made which require no future servicing are manufactured by Goodmans. Now Realistic joins with this exceptional company to bring you their fine quality at low Radio Shack prices . . . only through volume purchasing and selling. These Realistic-Goodmans speakers are built to the highest mechanical and acoustical standards providing features which put these new units in a class by themselves.

If you are dissatisfied with your present speaker, a Realistic-Goodmans will fill your need and then some. You'll know that it will perform with high efficiency and last for many years giving you thousands of pleasure-filled, trouble-free hours of enjoyment. Audiophiles building new systems can now have, from the start, speakers that have wider response than their peers . . . and yet cost less. These fine speakers with their ability to handle high power and stand up under the most adverse conditions, are ideal for remote and P.A. speaker applications.

MODEL RG-10—This Realistic-Goodmans 10" speaker is unusual and practical. It's the ideal choice for many hi-fi installations in that it provides a deeper bass than the standard 8" speakers yet it requires less space than a 12" speaker. Its power handling capacity is generous—20 watts. Frequency response is 40-15,000 cps. Voice Coils: 1". Cone Resonance: 45 cps. Flux Density: 12,000 Gauss. Impedance 16 ohms. The perfect middle-of-the-road speaker combining quality with space and cost. Ship. wt. 6 lbs.

A90LX717 RG-10, 10" speaker \$2 Down, Net 17.95

MODEL RG-8—This Realistic-Goodmans speaker is 8" in diameter yet outperforms and costs less to buy than competitive models. Its well balanced frequency response coverage is ideal for small room installations. Frequency response is 40-15,000 cps. It contains a 1 lb. Alcomax ring magnet. Cone Resonance: 55 cps. Flux Density: 13,000 Gauss. Power Rating: 15 watts. Voice Coil: 1" diameter. Impedance: 16 ohms. Ship. wt. 5 lbs.

A90LX716 RG-8, 8" speaker \$2 Down, Net 11.95

**Easy Listening
On Easy Credit
See Page 3**

REALISTIC**AUDAX**

**REALISTIC-AUDAX MODEL FS-12
WIDE-RANGE FOAM SUSPENSION
DUAL-CONE HI-FI LOUDSPEAKER**

You
Save
37 1/2 %

\$24.95
\$5 MONTHLY

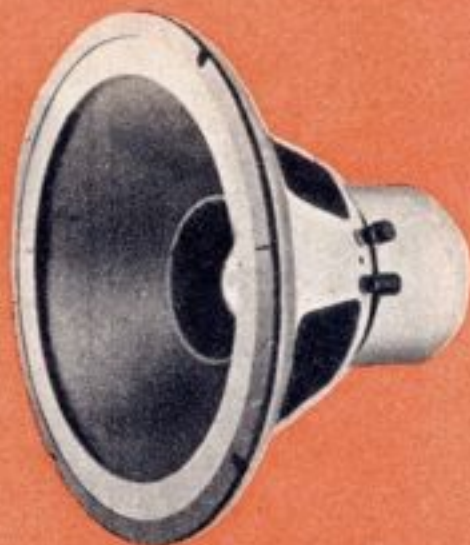
For the critical listener and the cost conscious audiophile... famous make speakers are available at a fraction of their prices. Radio Shack's aggressive buying policies bring you real values in Realistic-Audax Wide Range Loudspeakers. The FS-12 is a wide range speaker of the "dual cone" type. This secondary cone is an apex diffuser which extends and spreads the high frequencies. The FS-12 is of the latest high compliance design obtained by mounting the cone on a foam rubber ring. Clean, natural bass is delivered through low fundamental resonance without boom or hangover. Realistic-Audax Speakers employ advanced design principles that offer quality in a single speaker. These features include a voice coil wound of reinforced glass which is unaffected by humidity and temperature. The rear surface of the cone is braced with struts of rigid cellular plastic known as "styrofoam." These struts reinforce the paper cone with negligible weight and force it to act as a rigid piston, preventing cone breakup and distortion at high power levels. As a result, the cleanliness of reproduction is maintained over the entire audio spectrum up to the full rated power output.

SPECIFICATIONS—Fundamental Resonance: 35-40 cycles per second. Response: 35-13,000 cycles per second. Power: 20 watts. Voice Coil: 1 1/2" diameter. Magnet: 3/4 lb. Alnico V directional-grain magnet. Impedance: 8 ohms. Gap Flux Density: 11,500 Gauss. Size: 12 1/2" diameter x 6 1/4" deep (mounts in any standard 12" speaker enclosure).

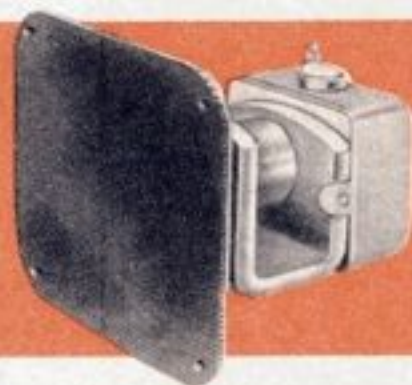
Realistic-Audax Speakers aren't fancy, "gimmicked" mongrels. Every detail of manufacture is employed only to give the purchaser sound value. Its life-like reproduction guarantees the listener the paramount in listening enjoyment. Harmonic distortion is eliminated through inherent damping which so many competitive models lack. The bass that is emitted is pure and clear—you get quantity but also quality.

Realistic-Audax Speakers are subjected to rigid testing to insure our guarantee that these loudspeakers are the best value for the lowest possible price. Each speaker carries an inspection tag stating free air resonance of that individual unit with an accuracy of plus or minus one cycle. Dollar for dollar you can't surpass the FS-12 in quality control and performance. Ship. wt. 6 1/2 lbs.

A90LX291 FS-12.....\$5.00 Monthly, Net 24.95



**Audax and Realistic get together!
You get famous quality Audax
speakers at low Radio Shack prices!**



Super Cone Tweeter

An ideal 3" cone tweeter and crossover for extending the frequency response of the FS-12 to over 18,000 cps. This Realistic-Audax product works as a direct radiator tweeter having sealed acoustic rear chamber and requires no horn. The high pass filter is in the form of a 4 MFD paper condenser, assembled integral with the tweeter. Ship. wt. 2 lbs.

A90LX715 A-35-T.....Net 9.95

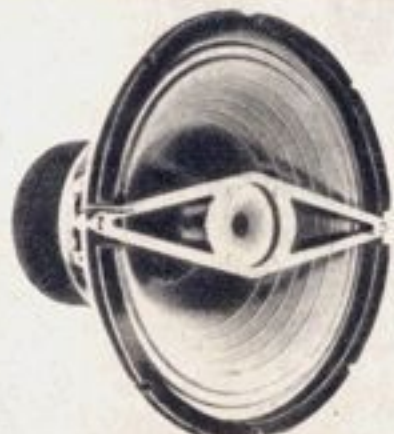
Hard Paper Cone **\$9.95**
Sealed Rear

SC 15" Stromberg-Carlson Coax
Now 60% Off Audiophile Net!

Originally \$99.95

You Save \$60.00 Because
We Own the Entire Stock!
It's a Radio Shack Exclusive!

\$39.95
\$5 Monthly

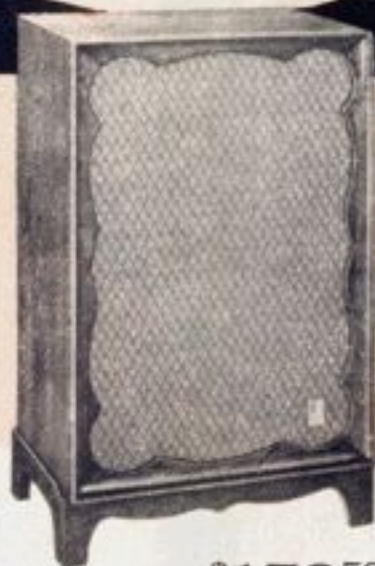


Buy Speakers on
Easy Budget
Terms
See Page 3

Unbelievable but true... just a short time ago everyone paid \$99.95 for these speakers (RF-483) but now you can get these Stromberg-Carlson beauties for only \$39.95 at Radio Shack! Check this: 100-WATT CAPACITY WOOFER... 32-WATT CAPACITY TWEETER... 25-18,000 CPS RANGE... and only \$39.95! It's a glamorous chrome and red TRUE COAXIAL with separately driven 15" woofer and a genuine component-quality tweeter with built-in 3000 cps crossover network. In every way it looks like and sounds like the \$100 speaker it actually is! At this low price you can buy as many as you need and know that you're getting a bargain. Studios and theaters can rely on them to deliver true high fidelity sound in every application. Here's why they are great:

SPECIFICATIONS: wide 115° dispersion through 20 kc; very low I.M. of 1.4%; free air resonance 45 cps; maximum flux density in Alnico V magnet structure—woofer 10,500 gauss, tweeter 8000 gauss; total flux in air gap (maxwells)—woofer 75,000, tweeter 18,000; Impedance 16 ohms. Only 6 1/4" deep! Ship. wt. 15 lbs.

A90LX215 RF-483.....\$5 Monthly, Net 39.95



\$7.50 Monthly **\$159⁵⁰**

- Advanced FLEXAIR 12" Woofer
- BASS-SUPERFLEX Enclosure

TR-30 TRI-ETTE

A compact 3-way speaker system incorporating latest Jensen designs. Consists of a 12" woofer with powerful SYNTOX-6 magnet and low distortion full 1" travel; a midrange and tweeter. Response from 20 to beyond audibility. Crossovers at 900 and 6000 cps, 8 ohms impedance. Power rating 30 watts (80 peak). Measures 16 $\frac{1}{4}$ " x 25 $\frac{1}{2}$ " x 11 $\frac{3}{8}$ ". Ship. wt. 50 lbs.

- A33CX811, TR-30, Unfinished. Net **134.50**
- A33CX807, Danish Walnut. Net **\$159.50**
- A33CX808, Provincial Cherry. Net **\$159.50**
- A33CX809, Contemporary Oak. Net **\$159.50**
- A33CX810, Traditional Mahogany. Net **\$159.50**
- A33CX812, Floor Base, St. finish. . . \$9.95



(A) \$5 Monthly **\$94⁵⁰**



(B) \$5 Monthly **\$79⁵⁰**

TR-10 TRI-ETTE

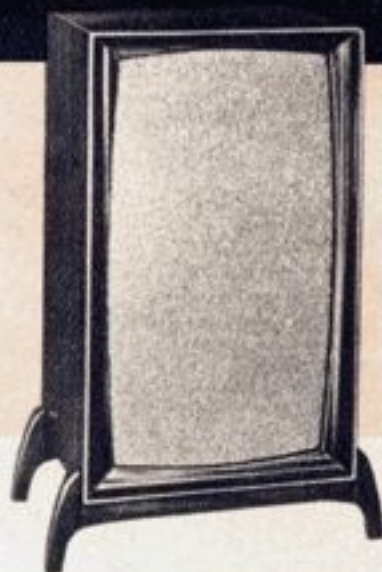
(A) Nation's No. 1 "bookshelf" seller has 12" FLEXAIR woofer, special 8" midchannel and compression driver tweeter. This 3-way system has a range from 25-15,000 cps with crossovers at 600 and 4000 cps, 16 Ω imp., power rating 30W. High compliance woofer delivers true bass down to 25 cps with no distortion, 13 $\frac{1}{2}$ " x 25" x 11 $\frac{3}{8}$ ". Wt. 40 lbs.

- A33CX804, TR-10, Unfinished. Net **94.50**
- A33CX801, Walnut. Net **\$119.50**
- A33CX802, Tawny Ash. A33CX803, Mahog.
- A33CX805, Floor Stand, St. finish. **\$12.95**
- A33CX806, Table Base (TR-10, DF-1). **\$5.45**

TR-3 4-SPEAKERS

(B) Rigid $\frac{3}{4}$ " gum hardwood enclosure, 10" special woofer with 1 lb. Alnico V magnet, special 3 $\frac{1}{2}$ " midrange units and spherical sector supertweeter, 8 Ω imp., 2000, 10,000 crossover, 13 $\frac{1}{2}$ " x 23 $\frac{3}{8}$ " x 11 $\frac{3}{8}$ ". Wt. 38 lbs.

- A33CX813, TF-3, Unfinished. Net **79.50**



- 2-Way Speaker System
- 8" FLEXAIR Woofer **\$69⁵⁰**
- Use in any position

High quality, economically priced 2-way system delivers low distortion bass response to 36 cps. New direct radiator tweeter carries the range smoothly to 14,000 cps. An excellent solution for a quality mono or stereo system (or stereo add-on) at minimum cost. Fine furniture cabinetry highlights your room. Crossover 2,000 cps, 16 ohms impedance, power rating 25 watts. 12" x 24" x 10 $\frac{1}{2}$ ". Ship. wt. 28 $\frac{1}{2}$ lbs.

- A33CX817, DF-1, Unfinished. Net **59.95**
- A33CX814, Walnut. Net **\$69.50**
- A33CX815, Tawny Ash. A33CX816, Mahog.
- A33CX818, Floor Base, St. finish. . . \$7.50



GALAXY II

Complete Stereo **\$169⁵⁰**
Satellite System

Two electrically separated stereo channels with two tweeter mid-range satellite units and one bass center unit. 36-14,000 cps, with all connecting hardware. Satellites measure 11 $\frac{1}{2}$ " x 7 $\frac{1}{2}$ " x 2", bass unit is 12 $\frac{1}{2}$ " x 24" x 10 $\frac{1}{2}$ ". Separates to 20" for best stereo. Ship. wt. 48 lbs.

- A33CX819, Walnut. Net **\$169.50**
- A33CX820, Tawny Ash.
- A33CX821, Mahogany.
- A33CX818, Floor base, St. finish. **\$7.50**



(C) DXF-80-8" Full range speaker with Flexair woofer. 2-element type, 2 coordinated cones with freq. range 36-13,000, 16 ohms, 20w power, $\frac{1}{2}$ lb. magnet. Ship. wt. 5 $\frac{1}{2}$ lbs. A33CX825, DXF-80. **\$24.50**

(D) UX-80-8" unax single element speaker. Center sector radiates smoothly. Viscous edge damping. 50-12,000 cps. 8 ohms impedance, power 12 watts, $\frac{1}{2}$ lb. magnet. Ship. wt. 4 lbs. A33CX822, UX-80. **\$14.50**

(E) H-222-2-way 12" coaxial speaker. Electrically independent woofer and tweeter. 30-15,000 cps. 16 ohms impedance, 25 watts power, 1 $\frac{1}{2}$ lb. magnets. Ship. wt. 12 lbs. A33CX827, H222. **\$62.50**

(F) UX-120-12" Unax single element speaker. Center sector radiates smoothly, viscous edge damping. 40-12,000 cps, 8 ohms impedance, 14 watts power, $\frac{1}{2}$ lb. magnet. Ship. wt. 6 lbs. A33CX823, UX-120. **\$17.95**

(G) H-223F-12" coaxial with Flexair woofer, 2 way system has 20-15000 cps, 16 ohms impedance, 30 watts power rating, 1 $\frac{1}{2}$ lb. magnets. Ship. wt. 13 lbs. A33CX828, H-223F. **\$72.50**

(H) K-210-12" coaxial 2-way system. Woofer and tweeter driven independently. 45-14,000 cps, 8 ohms, 14 watts power, $\frac{1}{2}$ lb. magnet. Ship. wt. 7 lbs. A33CX829, K-210. **\$27.50**

(J) DX-120 - 12" Duax speaker, 2-element systems driven by one voice coil. 40-13,000 cps, 16 ohms impedance, 20 watts power, 1 lb. magnet. Ship. wt. 8 lbs. A33CX826, DX-120. **\$27.50**

(K) K-80A-8" Coaxial speaker. 2-way system has independent woofer and tweeter units. 50-14,000 cps, 16 ohms impedance, 12 watts power, $\frac{1}{2}$ lb. magnet. Ship. wt. 4 lbs. A33CX830, K-80A. **\$17.75**

(L) CX-120-12" 3-element coaxial speaker, 30-15,000 cps, 16 ohms impedance, 20 watts power, 1 lb. magnet. Ship. wt. 10 lbs. A33CX824, CX120. **\$52.50**

REALISTIC*Electrostat-3*

plus

Acoustic Research AR-2**WORLD'S MOST FAMOUS SPEAKER COMBINATION**

A remarkable combination — guaranteed best frequency response!

Famous no distortion frequency response.

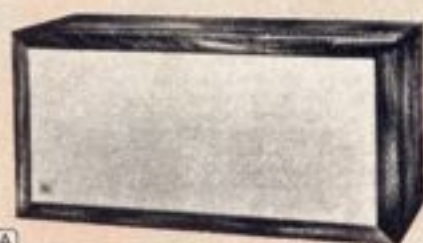
Improves any 8 or 16 ohm speaker system!

Tweeter magnificence beyond compare! Rated best regardless of price. When used with the Realistic AR-2 it adds a smooth, unique brilliance clearly measurable to beyond 25,000 cycles, cleaner than anything you've ever heard before. Along with the AR-2 you will get unbelievably smooth highs. The Electrostat-3 is very compact measuring only 11 1/2" x 5 1/2" x 4 1/2". It's built-in power provides 3 metal plates with current necessary for electrostatic operation. The cps high-pass filter prevents low "woofer" frequencies from entering the unit. Rigid bracing helps maintain critical positioning of the elements. Double fuse provides extra safety.

AR-2 has long been famous for its clean "middles" and undistorted "lows." Together the Electrostat-3 and the AR-2 offer unsurpassable sound. Both have been rated in tests for being the "best" of their kind. Only the Radio Shack has exclusive on these two models. Radio Shack alone is allowed to sell the Genuine Electrostat by mail! Both have smooth simple lines to fit into the decor of any room in your home. The Electrostat-3 comes in 3 popular finishes of Mahogany, Walnut or Blond. The AR-2 is unfinished. Crossover-Attenuator network for perfect balance, and 25 feet of speaker cord. Ship. wt. 55 lbs. A92LX310.....\$6 Monthly, Net 111.95



- World's Best Tweeter
- Acoustic Suspension Speaker

\$111.95**\$5 DOWN, \$6 MONTHLY**

A



B



C

The AR Speaker System**A Revolution in Engineering Acoustics**

A **ACOUSTIC RESEARCH AR-1:** Villchur designed "acoustic suspension" speaker employing pneumatic spring of the air in the cabinet as a substitute for normal cone suspension stiffness. 12" woofer has 3.3 lb. magnet; 8" tweeter is cone type; 1800 cps LC crossover, ± 5 db 31-13,000 cps. 4 ohms. Size: 14"x25"x11 1/2". Ship. wt. 52 lbs. Specify finish.

AR-1

A31CX796 Mahog.\$8.50 Mo. 185.00
A31CX791 Walnut\$9.50 Mo. 194.00
A31CX798 Unfin.\$8.50 Mo. 172.00
Woofers Only AR-1W, Ship. wt. 46 lbs.
AR-1W
A31CX797 Mahog.\$7 Mo. 145.00
A31CX792 Walnut\$7.50 Mo. 154.00
A31CX799 Unfin.\$7 Mo. 132.00

B **AR-2 LOUDSPEAKER SYSTEM** — 10" acoustic-suspension woofer and tweeter assembly in cabinet slightly smaller than AR-1, a compact 13 1/2" x 24" x 11 1/2". Use with any quality amplifier of 20 watts or more. Response of 10W is 42-14,000 cps ± 5 db, down 10 db @ 30 and 16,000 cps. harmonic distortion under 2% to 60 cps and 3% to 50 cps. Ship. wt. 35 lbs.

AR-2

A33CX741 Walnut\$5 Mo. 102.00
A33CX743 Mahog.\$5 Mo. 96.00
A33CX744 Birch\$5 Mo. 96.00
A33CX739 Oil, Wal.\$5 Mo. 102.00
A33CX740 Cherry\$5 Mo. 102.00
A33CX745 Unfin.\$5 Mo. 89.00

C **AR-2a 3-WAY SYSTEM**—Consists of an AR-2 speaker in combination with the 1 1/2" dome-type super-tweeter. Superb clean highs. Ship. wt. 41 lbs.

AR-2a

A31CX590 Unfin.\$6 Mo. 109.00
A31CX589 Mahog.\$6 Mo. 122.00
A31CX587 Birch\$6 Mo. 122.00
A31CX588 Walnut\$7 Mo. 128.00
A31CX592 Oil, Wal.\$7 Mo. 128.00
A31CX591 Cherry\$7 Mo. 128.00

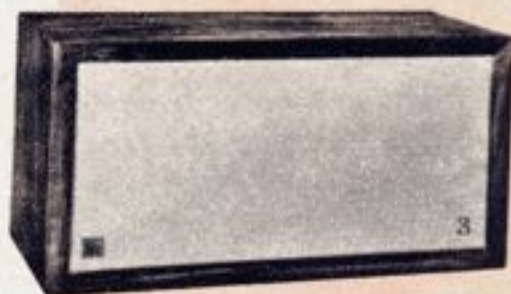
D **AR-3 LOUDSPEAKER SYSTEM**—3-way speaker system combines AR-1 woofer with newly designed tweeters for the most naturally musical sound in spkr. sys. Ship. wt. 60 lbs.

AR-3

A31CX790 Unfin.\$9.50 Mo. 203.00
A31CX793 Mahog.\$10.50 Mo. 216.00
A31CX795 Birch\$10.50 Mo. 216.00
A31CX794 Walnut\$10.50 Mo. 225.00
A31CX789 Oil, Wal.\$10.50 Mo. 225.00
A31CX783 Cherry\$10.50 Mo. 225.00

E **AR-3ST-2 SUPER TWEETER**—Consists of the super tweeter of the AR-3 in a cabinet, including a crossover network and level control. May be purchased to match the AR-1 by simply designating AR-3ST-1, or AR-3ST-2 to match the AR-2 and finish preference. Ship. wt. 10 lbs.

A31CX750 3ST-2 Unfin.\$5 Mo. 32.00
A31CX745 3ST-2 Mahog.\$5 Mo. 35.00
A31CX746 3ST-2 Birch\$5 Mo. 35.00
A31CX747 3ST-2 Walnut\$5 Mo. 38.00
A31CX748 3ST-2 Oil, Wal.\$5 Mo. 38.00
A31CX749 3ST-2 Cherry\$5 Mo. 38.00



D



E

For "Where to Find It" Check the Index on Pages 190 thru 192

www.RadioShackCatalogs.com

RADIO SHACK • 49

Electro-Voice® HIGH FIDELITY SYSTEMS

THE LEYTON \$82⁸¹ 2-WAY SPEAKER SYSTEM

Fine performing, ultra-compact, bookshelf speaker system utilizing special, high-compliance, 12-inch woofer with 1-pound, 6-ounce ceramic magnet and long-throw voice coil for extended bass response. True two-way system; extra-low electrical crossover at 200 cycles. 8-inch cone type midrange speaker is mounted in totally isolated chamber to prevent interaction with rear wave pressures of the woofer. EIA sensitivity rating, 43 db; power-handling capacity, 70 watts instantaneous peak program material. Response, 40-13,000 cycles. Impedance, 8 ohms. Outperforms speakers and enclosures several times its size, and at a considerable saving. Attractively finished by woodworking craftsmen to meet the most discriminating standards. An outstanding achievement in the design of modern furniture, the simple yet striking styling will provide the perfect accent for your room decor. Rigidly constructed of 3/4-inch wood throughout, the Leyton is completely vibration free. Size 14" high, 25" wide, 12" deep. Ship. wt. 46 lbs.

| | |
|---------------------|---------------------------|
| A31CX921 Mahogany | \$5 Down, Net 82.81 |
| A31CX922 Walnut | \$5 Down, Net 82.81 |
| A31CX923 Unfinished | \$5 Down, Net 76.93 |



Only \$5 Monthly

THE ESQUIRE 200

3-WAY SPEAKER SYSTEM. Carefully engineered to give the most sound quality per dollar. Uses special, high-compliance 12" woofer with 1-pound, 6-ounce ceramic magnet and long-throw voice coil for extended bass response. Extra-low electrical crossover is at 200 cycles; 8-inch cone-type, mid-range speaker is mounted in totally isolated chamber to prevent interaction with rear wave pressures of the woofer. Compression-type, diffraction horn-loaded, very-high frequency driver takes over at 3500 cycles. EIA sensitivity rating, 43 db; power handling capacity, 70 watts instantaneous peak program material. Response 40-18,000 cycles. Impedance, 8 ohms. Size: 14" h, 25" w, 13 1/2" d. Ship. wt. 50 lbs.

| | |
|-------------------------|------------------|
| A31CX515 Mahogany | Net 130.34 |
| A31CX516 Oak | Net 130.34 |
| A31CX517 Walnut | Net 130.34 |
| A31CX519 Unfinished Fir | Net 105.35 |

THE REGAL 300

3-WAY SPEAKER SYSTEM. A 12" foam-cone woofer with a 4-pound, 10-ounce ceramic magnet for extra sensitivity; requires somewhat less amplifier power for a given sound power output than less deluxe systems. Long-throw voice coil and high-compliance suspension give extended bass response. Extra low electrical crossover is at 200 cycles. 8" cone-type midrange speaker with 1-pound, 6-ounce ceramic magnet is mounted in totally isolated chamber to prevent interaction with rear wave pressures of the woofer. Compression type, diffraction horn-loaded very-high freq. driver takes over at 3500 cycles. EIA sensitivity rating, 45 db; power-handling capacity, 70 watts program. Response, 35-18,000 cycles. Impedance, 8 ohms. Size: 14" h, 25" w, 13 1/2" d. Ship. wt. 64 lbs.

| | |
|-------------------------|------------------|
| A31CX730 Walnut | Net 175.42 |
| A31CX731 Mahogany | Net 175.42 |
| A31CX732 Oak | Net 175.42 |
| A31CX733 Unfinished Fir | Net 146.02 |

THE ROYAL 400

3-WAY SPEAKER SYSTEM. The most luxurious, compact low-resonance system available. Features a big 18" foam cone woofer with a 4-pound, 10-ounce ceramic magnet, providing far more radiation resistance than systems based on 12" woofers, plus an extra bonus of higher efficiency; requires somewhat less amplifier power for a given sound power output than smaller systems. The large woofer cone, coupled with a long-throw voice coil and high-compliance suspension, can move 2 1/2 times more air than a comparable 12" system and really makes itself felt on heavy bass material such as pedal tones of the mighty pipe organ. Extra low electrical crossover is at 200 cycles. 8" cone-type midrange speaker with 1-lb., 6-oz. ceramic magnet mounted in totally isolated chamber to prevent interaction with rear wave pressures of the woofer. Compression type, diffraction horn-loaded, very high freq. driver takes over above 3500 cycles. EIA sensitivity rating 48 db; power-handling capacity, 70 watts program. Response, 30-18,000 cycles. Impedance 8 ohms. Size: 23 1/2" h, 32" w, 14 1/2" d. Ship. wt. 103 lbs.

| | |
|-------------------------|------------------|
| A31CX939 Mahogany | Net 244.51 |
| A31CX940 Walnut | Net 244.51 |
| A31CX944 Oak | Net 244.51 |
| A31CX946 Unfinished Fir | Net 195.02 |

ARISTOCRAT SERIES

Folded corner horn enclosure for EV or other single 2-way or 3-way systems. Reproduction down to 35 cps. Selected hardwood veneers, brushed brass grille. 29 1/2" h, 19" w, 16 1/2" d. Ship. wt. 44 lbs.

| | |
|--|---------------------------|
| A31CX185 Walnut | \$5 Down, Net 77.42 |
| A31CX186 Mahogany | \$5 Down, Net 70.56 |
| A31CX183 Oak | \$5 Down, Net 77.42 |
| ARISTOCRAT KD6 KIT—as above except kit. Most popular 12" kit in the country! Ship. wt. 44 lbs. | |
| A33CX623 Aristocrat Kit | \$5 Down, Net 38.22 |

ARISTOCRAT 100

Same as above but includes EV 12" Model SP12B speaker completely wired and installed. Ship. wt. 55 lbs.

| | |
|-------------------|----------------------------|
| A31CX178 Walnut | \$5 Down, Net 100.94 |
| A31CX181 Mahogany | \$5 Down, Net 100.94 |
| A31CX182 Oak | \$5 Down, Net 100.94 |

MARQUIS SERIES

Along-the-wall enclosure for EV or other single 2-way or 3-way systems. Selected hardwood veneers. Brushed brass grille. 29 1/2" h, 19" w, 15 1/2" d. Ship. wt. 50 lbs.

| | |
|--|---------------------------|
| A31CX857 Mahogany | \$5 Down, Net 61.74 |
| A31CX858 Oak | \$5 Down, Net 67.62 |
| A31CX859 Walnut | \$5 Down, Net 67.62 |
| MARQUIS KD9 KIT—as above except kit. Ship. wt. 42 lbs. | |
| A31CX924 Marquis Kit | \$5 Down, Net 35.28 |

MARQUIS 100

Same as above but includes EV 12" Model SP12B speaker wired and installed. Ship. wt. 60 lbs.

| | |
|--|---------------------------|
| A31CX878 Mahogany | \$5 Down, Net 92.12 |
| A31CX879 Oak | \$5 Down, Net 92.12 |
| A31CX880 Walnut | \$5 Down, Net 92.12 |
| A31CX993 AK-6 Trim Kit for KD6 and KD9. Ship. wt. 3 lbs. | 4.70 |

WOLVERINE BUDGET PRICED SPEAKERS

FULL FIDELITY-FULL RANGE LOUDSPEAKERS



PERFECT FOR STEREO—The Wolverine features: Heavy diecast frames, Radax construction, Edgewise-wound Voice Coil on fibre glass coil form. The speakers contain deep, medium diameter voice-coils. Conductor remains in the air gap even on longest excursions, preventing the non-linear operational characteristic of wide diameter, short-throw voice-coils. Wolverine frames are designed for easy mounting in walls or ceilings only 3 1/2 inches deep. Ideal for built-in "sound-conditioning" of the entire home. Cones are tough one-piece molded units fungus-proofed and treated to prevent moisture absorption.

(A) MODEL 1515 15-INCH LOUDSPEAKER—Frequency response 30 to 13,000 cps; EIA sensitivity rating 48 db. Free-space cone resonance 38 cps. Power handling capacity 20 watts program, 40 watts peak. Power required for 100 db level (concert volume), program material in live room, 8 watts. Damping factor 15; impedance 8 ohms. Mechanical crossover 1600 cps. Total flux 89,000 maxwells. 15 1/4" dia., 6 1/2" deep, 13 1/2" baffle opening; mounts with four 5/16" holes equally spaced on 14 1/2" circle. Weight 11 lbs. net. 12 lbs. shipping weight.
A31CX514 Model 15-15.....\$5 Monthly, Net 24.01

(B) MODEL 15-8 8" SPEAKER
Freq. response 50 to 13,000 cps. Cone resonance 55 cps. Handles 20 watts of power. 8Ω Imp. Wt. 4 1/2 lbs.
A31CX842Y EV 15-8...Net 17.64

(C) MODEL 15-12 12" SPEAKER
Freq. response 30 to 13,000 cps. Free-space cone resonance 40 cps. Power handling capacity 20 watts. Imp. 8Ω. Ship. wt. 6 lbs.
A31CX841Y EV 15-12...Net 19.11

A31CX843 Hi-Freq. Step-up kit. Ship. wt. 3 lbs.....Net 19.60
A31CX844 Mid-Freq. Step-up kit. Ship. wt. 5 lbs.....Net 24.50

E-V RADAX COAXIAL 8", 12", 15" SPEAKERS

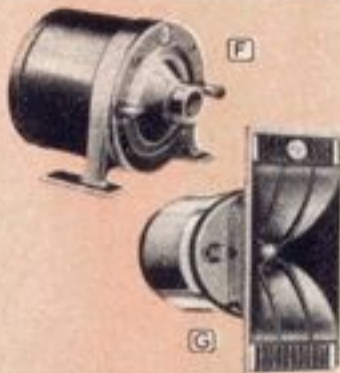
(D) Super-efficient Radax principle using two coaxial cones, both operating from single voice coil to divide audible spectrum for clean, sparkling reproduction, 30-13,000 cps. EACH 16 ohms impedance. KEY: Res/cps refers to resonant frequency; X-over refers to dividing point of l-f and h-f cone sections in cps.

| Cat. No. | EV | Size | Lbs. Magnet | Watts | Res/cps | X-over | Depth | Ship. Wt. | Net |
|-----------|-------|------|-------------|-------|---------|--------|---------|-----------|-------|
| A31CX004Y | SP88 | 8" | 1 | 20 | 55-65 | 6000 | 4 1/2" | 9 | 28.91 |
| A31CX003Y | SP128 | 12" | 1 | 20 | 40-50 | 4500 | 6" | 12 | 34.30 |
| A31CX002Y | SP12 | 12" | 3 | 25 | 35-45 | 4000 | 7 1/2" | 25 | 64.68 |
| A31CX100Y | SP158 | 15" | 1 | 20 | 38 | 3500 | 7 1/2" | 15 | 42.14 |
| A31CX000Y | SP15 | 15" | 5 1/4 | 30 | 40 | 3000 | 13 1/2" | 41 | 87.22 |

ELECTRO-VOICE 3-WAY 12", 15" SPEAKERS

(E) Concentric mounting of all three sections, augmented bass response, silky high, tailored mid-range, EACH includes brilliance control and crossover network, EACH 16 ohms impedance. Response 30-18,000 cps. Only EV provides all these figures (below) so essential for speaker differentiation! KEY: Res/cps refers to resonant frequency; X-over Mech. and Elec. refer to mechanical and electrical crossover in cps.

| Cat. No. | EV | Size | Lbs. Magnet | Watts | Res/cps | (X-over) Mech. | Elec. | Depth | Ship. Wt. | Net |
|-----------|--------|------|-------------|-------|---------|----------------|-------|--------|-----------|--------|
| A31CX562Y | 12TRXB | 12" | 1 1/2 | 20 | 45 | 2000 | 3500 | 6 1/2" | 14 | 64.68 |
| A31CX561Y | 12TRX | 12" | 3 1/2 | 25 | 40 | 2500 | 3500 | 8" | 32 | 122.50 |
| A31CX123Y | 15TRXB | 15" | 1 1/2 | 20 | 38-48 | 2000 | 3500 | 7 1/2" | 17 | 77.42 |
| A31CX560Y | 15TRX | 15" | 5 1/4 | 30 | 35-45 | 2000 | 3500 | 9 1/2" | 48 | 146.02 |



ELECTRO-VOICE Very-High-Frequency Drivers

Smooth, silky reproduction, extended response to beyond audible limits, 180° dispersion using diffraction horns... features which make E-V super-tweeters the music lover's choice.

(F) MODEL T350—For use in deluxe multi-way systems having extended bass range. Response to 21 kc. Sen. Rtg. 60 db. 2-lb. magnet. 16 ohms. Recommended crossover 3500 cps. Horn 7 1/2" long, 2 1/4" wide. Pot 3 1/2" diameter. Overall depth 4 1/2". Ship. wt. 9 1/2 lbs.
A33CX638Y E-V T350...\$5 Monthly, Net 58.80

(G) MODEL T250—Designed for use with maximum efficiency systems. EIA (RETMA) sensitivity rating 57 db. Power rtg. 35 watts. Response 400-13,000 cps, 16Ω imp. 5 1/4" dia., 5 1/4" deep. Throat dia. 1/2". Wt. 9 lbs.
A31CX507Y E-V T250...\$5 Monthly, Net 79.38

MODEL T35—Reproduces VHF range, for use with deluxe multiway systems. Response to 19 kc. Sens. Rtg. 57 db. 8-oz. magnet. 16 ohms. Recommended crossover 3500 cps. Horn 5 1/4" long, 2" wide. Pot 2 1/4" diameter. Overall depth 3 1/4". Ship. wt. 3 lbs.
A31CX520Y E-V T36...\$2 Monthly, Net 34.30

TREBLE DRIVERS

MODEL T25A—20-30 watts, 400-13,000 cps, 16 ohms, 1 lb. magnet; 3 1/4" dia x 4 1/4" deep; 1/2" throat. Ship. wt. 6 lbs.
A31CX433Y E-V T25A...\$5 Monthly, Net 56.84

MODEL T10A—20 watts, 400-13,000 cps, 16 ohms, 1/2 lb. magnet; 3 1/4" dia. x 3 1/4" deep; 1/2" throat. Ship. wt. 4 lbs.
A31CX532Y E-V T10A...\$2 Monthly, Net 41.65

ELECTRO-VOICE L-F WOOFERS

EACH 16 ohms impedance.

| Cat. No. | EV | Size | Lbs. Magnet | Watts | Res/cps | Depth | Ship. Wt. | Net |
|-----------|-----|------|-------------|-------|---------|---------|-----------|--------|
| A31CX526Y | 15W | 15" | 5 1/4 | 30 | 25-35 | 9" | 41 | 87.22 |
| A31CX122 | 30W | 30" | 9 1/4 | 50 | 15-25 | 13 1/2" | 34 | 181.30 |

EV CROSSOVER NETWORKS AND LEVEL CONTROL

All high-Q air core coil, paper condensers, low insertion loss; attenuation 12 db/octave in 1/2 section. All 16 ohms in and out. NOTE: Recommended for T35 and T35B.

| Cat. No. | EV | Sec. | X-over | Note | H x W x D" | Ship. Wt. | Net |
|----------|------|------|--------|--|-----------------------|-----------|-------|
| A31CX555 | X8 | 1/2 | 800 | — | 4 1/4 x 4 1/4 x 3 1/4 | 4 lbs. | 31.36 |
| A31CX521 | X36 | 1/2 | 3500 | A | 3 1/2 x 4 1/4 x 3 1/4 | 2 lbs. | 9.31 |
| A31CX559 | AT37 | — | — | Level Control for Electro-Voice Speakers | — | 1 lb. | 3.82 |

BUY ANY ITEM IN THIS CATALOG ON Radio Shack's New Easy Pay Plan!

See Page 3 for details!



Speaker Enclosures Distinctive Styling

University Medallion XII Speaker System . . . Featuring the Unique Exclusive, Select-A-Frame Styling

The new University Medallion Speaker System is dramatic in styling and performance. 3-way speaker system includes: Special 12" high-compliance woofer; new 8" mid-range to cover the vital presence range from 500 cycles to 3000 cy; fabulous, Sphericon Super-Tweeter, with an actual range to 40,000 cycles! Response is linear, or flat, from 28 cycles to 22,000 cycles. Special 12" woofer plumbs the lowest areas of the sound spectrum, offering incomparable bass performance! Ultra-efficient enclosure design requires amplifiers no more powerful than 10 watts. The fresh, new approach to enclosure design is highlighted by the versatility of application. The Medallion XII quickly converts with snap-on select-a-frame to French or Italian Provincial, Colonial, Contemporary, and Swedish Modern. Cabinet stands 24" high, 17" wide and 12 1/2" deep. Finished on four sides. Your choice in Mahogany, Fruitwood, Walnut or Oiled Walnut. All sections bought separately. Ship. wt. 40 lbs. Bass optional and extra.

Medallion XII 3-Way Systems Alone

| | | |
|----------|-----------------------|---------------------|
| A33CX078 | Mahog. Wt. 40 lbs. | \$7 Mo., Net 137.15 |
| A33CX079 | Walnut. Wt. 40 lbs. | \$7 Mo., Net 137.15 |
| A33CX080 | Oil. Wal. Wt. 40 lbs. | \$7 Mo., Net 137.15 |
| A33CX083 | Fruit. Wt. 40 lbs. | \$7 Mo., Net 137.15 |

Select-A-Frame Styles Alone

| | | |
|----------|------------------------------|-----------|
| A33CX084 | Contemp. Mahog. Wt. 3 lbs. | Net 9.75 |
| A33CX085 | Contemp. Walnut. Wt. 3 lbs. | Net 9.75 |
| A33CX086 | Contemp. Oil Wal. Wt. 3 lbs. | Net 9.75 |
| A33CX087 | Contemp. Fruit. Wt. 3 lbs. | Net 9.75 |
| A33CX088 | Colonial Fruit. Wt. 3 lbs. | Net 14.65 |
| A33CX089 | Fr. Prov. Fruit. Wt. 3 lbs. | Net 14.65 |
| A33CX090 | It. Prov. Mahog. Wt. 3 lbs. | Net 14.65 |
| A33CX091 | It. Prov. Walnut. Wt. 3 lbs. | Net 14.65 |
| A33CX092 | It. Prov. Oil. Wt. 3 lbs. | Net 14.65 |
| A33CX093 | Sw. Mod. Mahog. Wt. 3 lbs. | Net 14.65 |
| A33CX094 | Sw. Mod. Walnut. Wt. 3 lbs. | Net 14.65 |
| A33CX095 | Sw. Mod. Oil. Wt. 3 lbs. | Net 14.65 |

Wood Base to Match Frames Alone

| | | |
|----------|--------------------------------|-----------|
| A33CX096 | Fruitwood. Ship. wt. 3 lbs. | Net 14.65 |
| A33CX097 | Mahogany. Ship. wt. 3 lbs. | Net 14.65 |
| A33CX098 | Walnut. Ship. wt. 3 lbs. | Net 14.65 |
| A33CX099 | Oiled Walnut. Ship. wt. 3 lbs. | Net 14.65 |



3 Speaker 12" High Compliance System

Smooth and full bodied performance through entire wide range. Smooth high-frequency response to inaudibility with exceptionally high dispersion on Sphericon Super Tweeter. Elegant simplicity in cabinet styling and finish on all four sides. Your choice in Mahogany, Unfinished, Oak, Walnut and Oiled Walnut. Use attractive speaker as a highboy or lowboy. Ship. wt. 32 lbs.

| | | |
|----------|---------------------|-------------------------|
| A31CX431 | RRL-12 Unfinished | \$6 Monthly, Net 112.65 |
| A31CX659 | RRL-12 Mahogany | \$6 Monthly, Net 117.55 |
| A31CX661 | RRL-12 Oak | \$6 Monthly, Net 121.47 |
| A31CX660 | RRL-12 Walnut | \$6 Monthly, Net 121.47 |
| A31CX432 | RRL-12 Oiled Walnut | \$6 Monthly, Net 123.43 |

3 Way Speaker High Compliance System

Compact, beautifully styled 8" high compliance system. Big performance from below 40 cps. Big three speaker RRL-8 system. Use as either a highboy or lowboy. Carefully engineered. Finished on all sides for added beauty. Choice of Mahogany, Oak, Walnut Oiled Walnut or Unfinished. Ship. wt. 28 lbs.

| | | |
|----------|--------------------|-------------------------|
| A31CX429 | RRL-8 Unfinished | \$5 Monthly, Net 93.59 |
| A31CX656 | RRL-8 Mahogany | \$5 Monthly, Net 97.51 |
| A31CX658 | RRL-8 Oak | \$5 Monthly, Net 100.45 |
| A31CX657 | RRL-8 Walnut | \$5 Monthly, Net 100.45 |
| A31CX430 | RRL-8 Oiled Walnut | \$5 Monthly, Net 103.39 |

2 Way High Frequency System

New 8" system offering excellent wide-range performance that belies its modest price and minimum size being only 9 1/4" deep. Carefully engineered phase inverter enclosure produces smooth, clean bass. This handsome enclosure can be used as a highboy or a lowboy. It will fit all size shelves narrow or wide. Its smooth finish is on all sides, no unfinished sides to show. Your choice in Mahogany, Walnut, Fruitwood or Unfinished wood. Ship. wt. 17 lbs.

| | | |
|----------|-----------------|------------------------|
| A31CX427 | S-80 Unfinished | \$5 Monthly, Net 55.81 |
| A31CX712 | S-80 Mahogany | \$5 Monthly, Net 58.75 |
| A31CX713 | S-80 Walnut | \$5 Monthly, Net 58.75 |
| A31CX428 | S-80 Fruitwood | \$5 Monthly, Net 58.75 |





A31CX914

\$252⁸⁴

\$12.50 Monthly

A31CX904

"Trimensional" Stereo Speaker

Now you may have a completely integrated single cabinet stereo system employing new wall reflection principle of obtaining full stereo separation from a remarkably small enclosure which measures only 30" wide. It produces balanced stereo with "trimensional" depth anywhere in the room. You can place it anywhere along a wall or even in a corner. Adds stereo-like effect when played thru monophonic equipment. Full stereo is best obtained by keeping the cabinet doors open. Distinctive contemporary and Early American cabinet design will add to the decor of any room. Your choice in Mahogany, Walnut, Blonde and Oiled Walnut. Early American Cabinet in Rock Maple only. Ship. wt. 85 lbs.

- A31CX914 Mahogany. . . \$12.50 Mo. 252.84
- A31CX915 Walnut. \$12.50 Mo. 257.74
- A31CX916 Blonde. \$12.50 Mo. 257.74
- A31CX903 Oiled Wal. . . \$12.50 Mo. 263.62
- A31CX904 E. Amer. Map. \$13.50 Mo. 274.35



\$5 Monthly

New Sphericon T202 Super Tweeter

\$24⁹⁵

Phenomenal frequency response of 3000-4000 cps (± 2 db to 22000 cps). Entirely new concept with special domed phenolic diaphragm, built-in network, adjustable control, 8 ohms, 4 1/2" dia. A31CX416 Ship. wt. 3 lbs. \$5 Monthly, Net 24.95
A31CX423 w/Mah. encl. 7 lbs. \$5 Mo., Net 28.91
A31CX424 w/Wal. encl. 7 lbs. \$5 Mo., Net 28.91
A31CX425 w/Bld. encl. 7 lbs. \$5 Mo., Net 28.91

University Enclosures



Tiny Mite

\$5 MONTHLY

\$42⁶³

True hi-fi reproduction . . . ideal for compact stereo systems. 8" to 12" extended range speakers, easy installation, fine hardwood veneers. Dimensions: 2 1/4"H. x 15 1/2"W. x 12 1/2"D. Ship. wt. 26 lbs.

- A31CX896 812M. Mahog. \$5 Monthly 42.63
- A31CX897 812W. Walnut. \$5 Monthly 45.57
- A31CX898 812B. Blond. \$5 Monthly 45.57
- A31CX899 812U. Unfin. \$5 Monthly 36.99



\$5 Monthly

12" DVC High Compliance Woofer

\$48⁵¹

High compliance, low resonance woofer for use in space-saver enclosures. Response of 20 to 2500 cps permits use in two-way system with tweeter. Use with quality amplifier from 15 watts up. Hiflux Uniferron-7 magnet material. 4-20 ohms. 50 watts rating. 5 1/2" deep. Ship. wt. 8 1/2 pounds. A33CX862 C-12HC. \$5 Monthly, Net 48.51



\$5 Monthly

8" DVC High Compliance Woofer

\$39¹⁵

Newly engineered for those who want full bass response down to 20 cps even from the smallest enclosure. Features University dual voice coil and new type heavy die-cast basket for extreme rigidity and reliability. Uniferron-7 magnet material. Response 20-3000 cps, 8 ohms, 30 watt rating. 4 1/2" deep. Ship. wt. 7 1/4 lbs. A31CX852 C-8HC. \$5 Monthly, Net 39.15

University Networks



\$17⁶⁴

\$13⁷²

N-2A CROSSOVER NETWORK

2-way network; 8 ohms for crossover selections of 350, 700 cycles; 16 ohms for 350, 700 cycles; 4 ohms for 700 cycles. As 12 db hi-lo pass filter; 8 ohms for 350, 700, 1400 cycles; 16 ohms for 350, 700 cycles; 4 ohms for 700 cps. Wt. 2 1/2 lbs.

A31CX493. \$5 Monthly, Net 17.64

N-2B CROSSOVER NETWORK

2-way network; 8 ohms for crossover selections of 1250, 2500, 5000 cycles; 16 ohms for 2500, 5000 cycles; 4 ohms for 2500 cycles. Wt. 2 1/2 lbs.

A31CX494. \$5 Monthly Net 13.72



\$5 Monthly

UXT-5 Super Single Tweeter

\$20⁵⁸

Compact super tweeter for 5,000 cps crossover or above, has genuine compression driver in dur-aluminum casing. 4500 to 17,500 response cycle. "Reciprocating flare" horn. Dispersion 120° horizontal, 50° vertical. 8 ohms. 25-50 watts. Dimensions: 4 1/4"x2 1/2"x4". Shipping wt. 2 lbs. A31CX459 UXT-5. \$5 Monthly, Net 20.58



\$5 Monthly

4401 Single Horn Tweeter

\$17⁶⁴

Convert your 12"-15" cone speaker into 15,000 cycle response with this metal, single-cell one-piece, die-cast, sturdy horn tweeter. "reciprocating flare" horn. 2000-15,000 cps., impedance 8 ohms, power 25 watts rating, crossover at 2000 cps. Dimensions: 6"x2 1/2"x4 1/4". Ship. wt. 2 1/2 lbs. A31CX413 4401. \$5 Monthly, Net 17.64

For "Where-to-Find-it" Check the Index on Pages 189 thru 192

AWARD WINNING SERIES 200 LOUDSPEAKERS

University



Model 312 12" 3-Way Diffaxial

(A) Acclaimed the greatest advance in speaker design in many years. Award winning die-cast basket. Patented Diffusicone mid-range. Coaxially mounted Sphericon Super Tweeter has special reflector baffle to prevent acoustic interference. Built-in network and adjustable brilliance control. Response: 28-40,000 cps. 35 watts program material. Ship. wt. 10 1/2 lbs. A31CX489 312.....\$5 Monthly, Net 71.54

• Built-in L/C network
\$71⁵⁴
\$5 Monthly



Model 308 8" 3-Way Diffaxial

(B) Designed specifically for quality installations where space is restricted. Special 8" woofer has extra large voice coil for excellent bass response. Also features Diffusicone mid-range and compression tweeter with built-in electrical network. 30-17,000 cps. 35 watts program material. Ship. wt. 5 lbs. A31CX491 308.....\$5 Monthly, Net 41.16

• For restricted space
\$41¹⁶
\$5 Monthly



MODEL 6201 12" COAXIAL

(C) New improved version of the most popular speaker ever made. Heavy duty woofer cone for extended bass and new compression type tweeter surpasses famed 6201 performance. Built-in network with adjustable brilliance control. Response: 28-18,500 cps. 35 watts. Integrated program. 8-16Ω. Ship. wt. 9 lbs. A31CX419 6201 \$5 Mo., 56.59



8" EXTENDED RANGE

(D) DIFFUSICONE-8. Low-cost 2-way 8" speaker highly suitable for smaller space installations. Dual horn-loaded radial projector similar to Diffusicone-12. Response 30-15,000 cps. 35 watts. Integrated program. 8-16Ω. Ship. wt. 4 1/2 lbs. A31CX396. \$5 Mo., Net 28.00



SUPER 15" 3-WAY DIFFAXIAL

(E) Large theater-type woofer cone features high excursion dual-spider piston and low resonance diaphragm for rich bass down to 25 cps. Diffusicone mid-range and heavy duty H-600/T-50 tweeter extend response to inaudibility. Two adjustable controls. 50 watts. Integrated program. 8-16Ω. Wt. 3 1/2 lbs. A31CX863. \$7.50 Mo., 152.88



12" DIFFAXIAL

(F) DIFFUSICONE-12. Low-cost 2-way 12" full range speakers with dual horn loading at cone apex that extends mid-range and treble response to 15,000 cps. Bass response to 28 cps. 35 watts. Integrated program. 8-16Ω. Ship. wt. 8 lbs., 10 oz. A31CX397. \$5 Mo., Net 38.95

UNIVERSITY SERIES 100 LOUDSPEAKERS



15" 3-WAY DIFFAXIAL

(G) MODEL UC-153. Tremendous value, featuring high efficiency tweeter and deluxe, multi-element Diffusicone mid-range. 2 lb. all-Alnico 5 magnet. Response from below 30 cps to inaudibility. 30 watts*. Ship. wt. 12 lbs. A31CX204. \$5 Mo., Net 81.34

8" WIDE RANGE

(H) MODEL UC-82. Especially designed for small cabinet applications. Ideal for later addition of one University dual coil woofer to extend combined bass range of both channels. Alnico 5 magnet. Response: 45-14,000 cps. 25 watts*. Wt. 3 1/2 lbs. A31CX260. \$5 Mo., Net 16.61

12" EXTENDED RANGE

(J) MODEL UC-121. Only 4" deep, perfect for wall, flush ceiling and other limited space installations. Needs only fraction of power required for ordinary 12" speakers. 1 lb. Alnico 5 magnet. Response: 45-10,000 cps. 30 watts*. Wt. 5 1/2 lbs. A31CX242. \$5 Mo., Net 27.44 *Integrated program All 8-16Ω.

12" 2-WAY DIFFAXIAL

(K) MODEL UC-122. Coaxial horn loading at apex of cone extends mid and high frequency response. Exclusive unisectonal Diffusicone element provides 1000 cps mechanical crossover and uniform wide-angle dispersion. Response: 45-13,000 cps. 25 watts*. Wt. 5 1/4 lbs. A31CX724. \$5 Mo., Net 34.79

12" 3-WAY DIFFAXIAL

(L) MODEL UC-123. Exclusive patented Diffusicone element. UXT-5 super tweeter with "reciprocating flare" horn. Super-sensitive all-Alnico 5 magnet. Crosses over at 1000 cps mechanically, 5000 cps electrically. Response: below 45-17,500 cps. 25 watts*. Wt. 9 lbs. A31CX722. \$5 Mo., Net 65.17

15" 2-WAY DIFFAXIAL

(M) MODEL UC-152. Patented Diffusicone element provides dual horn loading at apex of cone to extend mid and high frequency response. Excellent wide-angle dispersion of highs. 1 1/2" lb all-Alnico 5 magnet. Response from below 30 to 14,000 cps. 30 watts*. Wt. 8 1/4 lbs. A31CX723. \$5 Mo., Net 44.10





\$139⁰⁰

\$7 Monthly



NEW MODEL EIGHT FM RECEIVING SYSTEM

A complete, compact FM receiving system consisting of two matched solid walnut cabinets. One unit encloses the FM tuner-amplifier. The other unit is a wide range loudspeaker system in a sealed enclosure. The two are connected by a 30' cable which can be coiled on the back of the speaker cabinet. Output jacks provided for multiplex adapter, and for use of the tuner sec-

tion alone with a tape recorder or an external amplifier and speaker. Each tuner is individually temperature compensated to insure freedom from drift without resorting to AFC. Fully transformer operated—requires 110-120 v, 60 cps power. Size, each unit: 10 3/4" x 5 3/4" x 6 1/2". Shipping weight 15 lb.
A31CX980 Model Eight.....\$6 Monthly, Net 139.00



KLH Model Seven Speaker System

(A) An improved version of the famous KLH Model Six. The Model Seven features a 2.6 cu. ft. enclosure—double the size of the Model Six. This gives extended low frequency response. In addition, two high frequency speakers have been included to give a larger apparent sound source. The result is a superb instrument which will satisfy the requirements of the most discriminating buyer. LC crossover can vary high frequency level 2.5 db. 24 3/4" high, 21 1/2" wide, 11 3/4" deep. Ship. wt. 52 lbs.

- A31CX984 Mahogany Net 196.00
- A31CX985 Walnut Net 203.00
- A31CX986 Oiled Walnut Net 203.00
- A31CX989 Unfinished Birch ... Net 189.00

KLH Model Six Speaker System

(B) Full range 2-way speaker system housed in a 23 1/2"x12 1/2"x11 1/2" cabinet. Volume of the enclosure is 1.3 cubic feet. Low frequency speaker is 12" acoustic suspension type. High frequency speaker is a small cone-type direct radiator. Provision to increase or decrease the high frequency level 3 db. Impedance 8 ohms. Shipping weight 36 lbs.

- A33CX942 Mahogany Net 129.00
- A33CX943 Korina Net 129.00
- A33CX944 Walnut Net 134.00
- A33CX981 Oiled Walnut Net 134.00
- A31CX982 Unfinished Walnut ... Net 129.00
- A31CX983 Unfinished Birch ... Net 124.00

Bozak Spinet Speaker System

(C) Functional cabinet—compact size. These Bozak speaker systems feature the unsmoothed bass, balanced midrange, sweet natural treble and clean transients for which Bozak is famous. Ideal for starting a fine music system or converting to stereo. 14 1/2" x 23 3/4" x 11 1/2". Imped. 8 ohms. Oiled Walnut. Shipping weight 32 lbs.

- A31CX784 B-500 2-Way \$7.50 Mo. 147.50
- A31CX778 B-502 3-Way. \$10.50 Mo. 227.50

Bozak Spinet Equipment Cabinet

(D) A matched piece of furniture—ideal for use with Spinet speaker systems. 35 1/4" x 23" x 18 1/2" deep. Oiled walnut. Ship. wt. 62 lbs.

- A31CX785 C-501 ..\$6 Monthly, Net 117.50

EASY BUDGET PLAN See page 3 for complete details

BOZAK 12" COAXIAL SPEAKER. Pre-mounted B-199A woofer and B-200X tweeter fits standard 15" speaker cutouts. Crossover filter pre mounted and connected. 40-16,000 cps, 8 ohms, 15 watts (peak of 30). Ship. wt. 20 lbs.
A31CX775 B-207A.....\$5 Monthly 89.50

BOZAK 8" WEATHERPROOF SPEAKER. Provides fine quality, full-range music outdoors. Clean bass, detailed midrange, and smooth highs combine to give extraordinary transient response, plus the sound-carrying characteristics needed for

outdoor areas. 65 to 15,000 cps, 8 ohms. Wt. 8 lbs.
A31CX773 M-108 Weather proof Speaker. \$5 Mo., Net 47.50

BOZAK 8" FULL RANGE AUXILIARY SPEAKER. NEW! Typical Bozak quality for music and voice reproduction in den, bedroom, kitchen or playroom. Mounts on infinite baffle, bookshelf enclosure, or in wall. 50-15,000 cps, 8 ohms Shipping weight 8 lbs.
A31CX774 B-800 8" Full Range Speaker. \$5 Mo., Net 45.00

BIPHONIC COUPLER SPEAKER SYSTEM



- NO CONES
- NO BAFFLES
- WAFER THIN

\$134⁵⁰

Most amazing speaker advance in years! The Advanced Acoustics "440" BiPhonic Coupler uses no cones or bulky enclosures. Instead a rigid multi-layer wood panel is made to vibrate (as any fine musical instrument would) to produce low bass notes on both sides of the panel—without front to rear cancellation. Distortion, since vibrations are microscopic, is phenomenally low. Since both sides of the speaker "work" and since it is ultrathin, you can use it anywhere; on a wall, standing on its own (optional base), even mounted inside a room divider. Response: 30 cps to beyond audibility. Shipping weight 35 lbs.

- A31CX933 Oiled Walnut Net 134.50
- A31CX934 Lacquered Walnut Net 134.50
- A31CX935 Cherry Mahogany Net 134.50
- A31CX936 Ebony base. Ship. wt. 10 lbs. ... Net 8.35



Wharfedale Hi-Fi Speakers and Speaker Systems



Right in Tempo!
Easy Budget Terms!
See Page 3

New Wharfedale '60' Full Range 2-Way System

Exclusive sand-filled panel provides cleaner, truer bass... down to 20 cycles!

Complete System **\$94⁵⁰**
Only \$5 Monthly

Avoid the commonplace appearance of ordinary stereo systems: the Wharfedale '60' is handsome and versatile, does what other speakers try to do! A 12" and a 5" speaker offer response above and below audibility. 10½ lbs. of magnets and an extra heavy cone of special wool formula give clear transient response and outstanding freedom from breakup. 8 ohms impedance, 30 watts power, 1500 cps crossover. Measures 14¼" x 13" x 24". Ship. wt. 50 lbs.

A31CX330 W-60, Unfinished Birch..... Net 94.50
W-60 finished, use order numbers below..... Net 109.50
A31CX326 Polished Walnut A31CX327 Oiled Walnut
A31CX329 Mahogany A31CX329 Lined Oak

W-50-BUDGET-FITTING 2-WAY SPEAKER SYSTEM

Styled to fit every room, priced to fit every budget! Like the W-60 above, the W-50 employs two specially tuned and designed Wharfedale speakers in a handsome cabinet using the proven Wharfedale sand-filled principle. The low frequency driver has a high compliance suspension designed to produce improved linearity with bass resonance in the 25-30 cps region. Control is provided to adjust the high frequency response to room acoustics. Finished on all four sides, the W-50 may be used horizontally or vertically. This modest priced system measures 24" x 14" x 14", 8 ohms impedance. Ship. wt. 45 lbs.

W-50 Finish on ¾" Birch veneer..... \$5 Monthly, Net 89.50
A31CX332, Mahogany A31CX333, Walnut A31CX334, Blend
A31CX331 W-50, Unfinished Birch..... \$5 Monthly, Net 79.50
A31CX335 W-50, Genuine Walnut Veneer..... \$5 Monthly, Net 94.50
A31CX336 W-50, Oiled Walnut A31CX336 Lined Oak..... \$5 Monthly, Net 94.50

W-70-FULL RANGE 3-WAY SPEAKER SYSTEM

Wharfedale's W-70... a magnificent, new three-way speaker system offering outstanding performance throughout the entire frequency spectrum. These superlative systems provide the apex of reproduction normally expected from systems costing twice as much. Designed around the great twelve inch speaker of the W-60 (see above), the W-70 has two additional speakers to reproduce every nuance of any program material. You'll hear every instrument in its breath-taking splendor—as if you were present at the recording! And the reproduction is Wharfedale sound, uncolored by any stridency or spurious resonance. The handsome cabinet, designed by one of America's leading stylists, has the proven and exclusive advantage of the Wharfedale sand-filled principle. The cabinet is finished on all four sides and made of ¾" veneer. They measure 24" x 21" x 10". Impedance 8 ohms. You can't buy better sound reproduction! Ship. wt. 65 lbs.

A31CX337 W-70, Unfinished Birch..... \$7 Monthly, Net 139.50
W-70 finished, use order numbers below..... \$7.50 Monthly, Net 149.50
A31CX340, Mahogany A31CX339, Polished Walnut
A31CX340, Lined Oak A31CX341, Oiled Walnut

8" ENCLOSURE—R/J-8—Clean bass response to 50 cps. Measures 11" x 23½" x 10". Ship. wt. 19 lbs.

A31CX800 R/J-8, Unfinished..... \$5 Monthly, Net 28.50
R/J-8 finished, Order numbers below..... \$5 Monthly, Net 37.50
A31CX801, Mahogany A31CX802, Blend A31CX803, Walnut

12" ENCLOSURE—R/J-12F—Floor model w/taper legs, brass ferrules. 20" x 20" x 16". Ship. wt. 37 lbs.

A31CX808, R/J-12F, Unfinished..... \$5 Monthly, Net 45.00
R/J-12F finished, Order numbers below..... \$5 Monthly, Net 56.00
A31CX809, Mahogany A31CX810, Blend A31CX811, Walnut

Wharfedale Speakers Standout for Quality!

Finest Full Range Speakers Fill Every Audio Application!

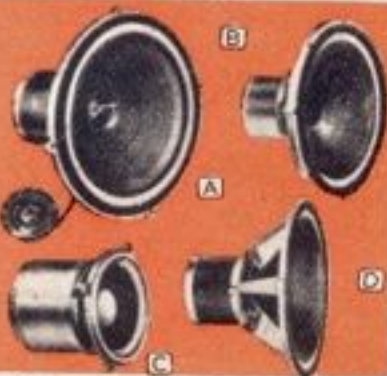
A COAXIAL 12 — The finest 12" speaker featuring new magnet design with concentric gaps. Response beyond 20,000 cps, resonant freq. 25/30 cps, 12/15 ohms imp. crossover abv. 3000 cps. Wt. 26 lbs.
A31CX719, Coaxial-12..... Net 139.50

B 8/F5/AL — 8" speaker with aluminum speech coil. Ideal as a single or with 2-way and 3-way systems. 8/10 ohms imp., 4 watts input. Ship. wt. 5 lbs.
A31CX089 8/F5/AL..... Net 26.50

3000—A 3000 cycle crossover network for the Super-3. Impedance is 7-16 ohms, attenuation 6-9 db per octave. Ship. wt. 3 lbs.
A31CX099 3000..... Net 18.25

C 12/F5/AL—Fine full range 12" speaker with foam suspension and a powerful magnet system for smooth performance. 12/15 ohms imp., bass resonance 30/38 cps, 12 watts input. Ship. wt. 22 lbs.
A31CX091 12/F5/AL..... Net 89.50

D SUPER-3—High efficiency treble unit for use above 3000 cps. Smooth to 20,000 response, 8/15 ohms imp., no metallic sound. Ship. wt. 4½ lbs.
A31CX094 Super-3..... Net 26.50





Extended Bass Speaker Systems

Set New Standards for Home Hi-Fi

These genuine General Electric Speaker Systems combine extended bass audio performance and exciting new appearance to set bright new standards for high quality home musical reproduction. Ideal for compact, high-quality stereo or monaural systems, they are acoustically engineered for full natural performance. And besides their functional perfection, they bring you unusually distinctive exterior beauty—in a wide variety of finishes to enhance both modern and traditional furniture arrangements. What's more, they may be positioned on end or on their sides. Two excellent series to choose from, each offering the ultimate in hi-fi, and giving a full complement of extra features, extra value for its low, low Radio Shack cost.

Compact 2-Way Speaker System

(A) For high quality high frequency performance, the G-501's 3-inch tweeter incorporates a special cone and voice coil construction for extended response. Unusually smooth response, 45 to 16,000 cycles. Increased bass sound power, and ultra compact enclosure. 22"x13"x9 1/4". Ship. wt. 24 lbs.
A31CX941 501M Mahog. . . \$5 Mo. **A31CX942** 501W Walnut. . . \$5 Mo.
A31CX943 501C Cherry. . . \$5 Mo. **A31CX945** 501E Ebony. . . \$5 Mo.



\$83³⁰
\$5 Monthly

Stereo Classic Speaker System

(B) 12" speaker—compact enclosure especially designed for stereo. Ultra smooth response over the entire audio range. 40 to 18,000 cycle response. Up to 4 times bass sound power level over conventional speaker systems. 2" tweeter and cross-over network, in 2-cu.-ft. enclosure. 23 1/2"x14 1/2"x15". Matching recessed base. Ship. wt. 48 lbs.
A31CX701 506M Mahog. . . \$7 Mo. **A31CX702** 506B Blond. . . \$7 Mo.
A31CX703 506C Cherry. . . \$7 Mo. **A31CX704** 506W Walnut. . . \$7 Mo.



\$127³⁵
\$7 Monthly

GENERAL ELECTRIC Speakers

- (C)** Stereo Classic 12" Coaxial Speaker, separate x-over net. **A31CX700** LC-21 Ship. wt. 16 lbs. . . \$5 Monthly, Net 88.15
- (D)** Dual-Cone 12" Speaker, with special auxiliary whizzer cone. **A31CX620** 502 Ship. wt. 6 lbs. . . \$5 Monthly, Net 34.25
- (E)** Dual Coaxial 12" Speaker, with cloth edge suspension. **A31CX621** 503 Ship. wt. 10 lbs. . . \$5 Monthly, Net 58.75
- (F)** High Frequency Tweeter, clean response 1200 to 16,000 cps. **A31CX617** 504 Ship. wt. 2 1/2 lbs. . . \$5 Monthly, Net 19.55
- (G)** 12" Wide Range Speaker, ideal basic stereo monaural unit. **A31CX351** 1201B Ship. wt. 6 lbs. . . \$5 Monthly, Net 19.55

- (H)** Extended Range Speaker. **A31CX564** 850D Ship. wt. 3 lbs. \$5 Monthly, Net 10.73
- Golden Coaxial 12" Speaker. **A31CX616** AL-401 Ship. wt. 10 lbs. \$5 Monthly, Net 48.95



Fine Speakers and Systems

Altec Lansing 835A Monterey Jr.

(J) New concept in compact, economical systems. Quality reproduction equals expensive systems. Response 20-18,000 cps. 11 1/4" H x 23" W x 11 1/4" D. Ship. wt. 45 lbs.

- A31CX968** Mahog. \$5 Mo., Net 79.50
- A31CX962** Blond. \$5 Mo., Net 79.50
- A31CX961** Walnut. \$5 Mo., Net 79.50
- A31CX963** Unfin. \$5 Mo., Net 75.00

Altec Lansing Monterey 834A

(K) Small speaker system with high efficiency. "big speaker" bass, low distortion, smooth response and clean reproduction. 2-new "controlled linear excursion" 8" bass speakers, a 3,000 cycle 12 db per-octave crossover network and 3000B high frequency speaker with sectoral horn. Handsome cabinet finished on all sides. Size: 14"H x 26"W x 14 1/2"D. Ship. wt. 45 lbs.

- A31CX967** Mahog. \$8.50 Mo. 174.00
- A31CX971** Blond. \$8.50 Mo. 174.00
- A31CX970** Walnut. \$8.50 Mo. 174.00
- A31CX972** Unfin. \$8.50 Mo. 169.00

New Compact Altec Loudspeaker System

Latest development from Altec's acoustic laboratory. Frequency response is 40 to 13,000 cps. Impedance system: 8 ohms. Voice coil diameters: one 2" (755) and one 1" (402). Distribution: 90° circular radiator. Has a completely sealed infinite type enclosure, in a bookcase design and finished on four sides. 20 Watt Power. Size: 26"L x 12 1/2"H x 12 1/2"D. Ship. wt. 45 lbs.
A31CX931 836-A Walnut. . . \$7 Monthly, Net 126.00

15" Duplex Speaker

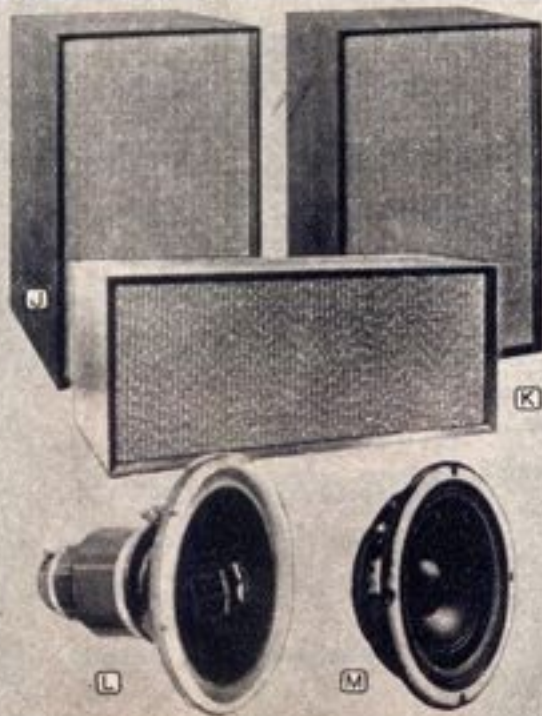
(L) One of the world's most precise instruments for the faithful reproduction of sound. It provides unusually smooth response in the highs. 35 watt power, impedance 8 ohms. Distribution: Horizontal 90°, Vertical 40°. Diameter 15 1/2", Depth 10". Ship. wt. 37 lbs.

- A31CX955** 605A. \$8.50 Mo. 177.00

Deluxe 8" Speaker

(M) Power: 15 watts, frequency response: 40 to 13,000 cps, with impedance of 8 ohms (2" voice coil). Distribution has a wide 90° angle. Has screw type terminals with bracket for mounting transformer furnished. Diameter 8 1/2", Depth 2 1/4". Ship. wt. 5 lbs.

- A31CX954** 755L. \$5 Monthly 29.95





REALISTIC



Realistic Dual Stereo VU Meter

A must for good stereo!

\$7.95

Balance channels properly! Control level of stereo turners, preamps, etc., on comparative audio level analysis. Uniform frequency response of ± 0.5 db from 25 to 18,000 cycles. Input impedance is 6000 ohms and sensitivity is such that zero VU equals .775 volts or 1 mw. across a 6000 ohm line. Jeweled, standard -20 db to ± 30 db VU scale, and 100% modulation. Includes instructions and 36" leads. 6" x 3" x 1 1/4" black bakelite case. Ship. wt. 3 lbs. A94L100.....Net 7.95

REALISTIC



Realistic 50 μ a HI-FI VU Meter

Sensitive 50 micro-amp movement

\$4.95

First and only economy priced monaural VU meter calibrated in strict accordance with professional Broadcast and Engineering Audio Reference Level Standards. Features include those of the stereo meter above. Exclusive Realistic feature, not found in competitive meters, is that the frequency response is constant and completely independent of the setting of the wide-range (20 db) sensitivity control! Ship. wt. 3 lbs. A94L115.....Net 4.95

A STEREO MULTIPLE SPEAKER SELECTOR SWITCH—Controls up to 6 speakers! Has a section for each stereo channel, allows hookup of one-two-or-three pairs of speakers. Automatically switches amplifier output taps to compensate for change in load impedance. Handles to 60 watts, can be mounted in standard outlet box or panel. Ship. wt. 1/4 lb. A91L588.....Net 1.75

B 5-POSITION INPUT SELECTOR—Gives your amplifier 5 times as many inputs as it now has... without converting any of its terminals. This dial-type switch has 5 inputs (AM-FM-PHONO-TAPE-AUX.) that feed into the amplifier through one output. Fully shielded, measures 1" x 2" x 2". Finish is brown with black lettering on the mounting plate. Ship. wt. 1/2 lb. A91L587.....Net 1.76

C 3-POSITION STEREO SELECTOR—Let's you choose stereo, monaural or stereo reverse without leaving your chair! Provides proper channeling of sound from your phono to amplifier input. Two phono jacks are included in both input and output circuits. Fully shielded, brown hammertone finished case. Compares to models selling for as much as \$3.50. Ship. wt. 1/2 lb. A91L586.....Net 1.29

D STEREO SPEAKER PHASE CONTROL—Designed for use of phasing speakers if your amplifier does not have a phasing control. Controls up to six speakers. Best results are obtained when speakers of same impedance are used. Switch indicates Normal and Reverse. Inputs and outlets are marked. Brown hammertone case. Ship. wt. 1/2 lb. A91L585.....Net .98

E MULTI-SWITCH SPEAKER SELECTOR—Save your money with this new Realistic switch. It controls six remote speakers, allowing more than sixty varied combinations. Now you can bring hi-fi enjoyment to every room in your home and keep the controls centralized. Handsome brass plate mounts easily to a wall. Ship. wt. 1/4 lb. A91L579.....Net 1.19

F 3-SPEAKER SWITCHES—Offers heavy-duty switching for up to three speakers in any one of seven combinations, individually, any pair or all three together. Automatically switches amplifier output taps to compensate for changed load impedance. Handles to 60 watts. Gold finished plate, 2 1/4" x 4 1/2", mounts in any standard outlet box or panel. Ship. wt. 10 oz. A91L520.....Net 1.39

G Deluxe model—As above, enclosed in gold metal case. Ship. wt. 1 lb. A91L537.....Net 1.89

VIBRO-DAMP FIBERGLASS FOR LINING SPEAKER CABINETS—1/2 lb. per cubic foot density, 1" thick, 18" wide x 10' long. Sufficient for lining reflecting surfaces of most speaker enclosures. Recommended as ideal for acoustic insulation. Made from drawn glass fibers bonded with thermosetting resin. Ship. wt. 1/4 lb. A16C872.....Net 1.50

VIDAIRE REMOTE SPEAKER SWITCH—RS10—3 position switch for two speakers. Connects hi-fi, radio, TV with remote speaker; turns either or both on and off. Gold embossed plate for panel mounting. Instructions included. Measures 2 1/4" x 2 1/4". Ship. wt. 1/2 lb. A15C116 Vidaire RS-10.....Net 1.17

MS-6—For six speakers. Constant impedance switching for 1 to 6 speakers. Gold embossed brass plate for panel mounting. Complete with simplified wiring instructions. Measures 3 1/4" x 2 1/4". Ship. wt. 1/2 lb. A15C117 Vidaire MS-6.....Net 2.64

MS-7—As above, but with switches mounted on standard electrical wall plate. A15C118 Vidaire MS-7.....Net 3.30

VIDAIRE REMOTE SPEAKER FADER—RF-10—For balancing volume level between main and remote speaker. Gold embossed panel mounting face plate. Use with 4 and 8 ohm speakers. Hardware and instructions included. Measures 2 1/4" x 2 1/4". Ship. wt. 1/2 lb. A15C120 Vidaire RF-10.....Net 1.41

VIDAIRE STEREO-PHASE SELECTOR—SP-5—A must for stereo speaker phasing. A flip of the switch changes polarity without unsoldering leads. Complete instructions included. Measures 2 1/4" x 2 1/4". Ship. wt. 1/2 lb. A15C119 Vidaire SP-5.....Net 1.05

ACOUSTONE GRILL CLOTH

Engineered for sound—designed for beauty. Especially woven for hi-fi application. Easily installed. Enriches cabinet appearance; fadeproof; no sags, wrinkles.

| Cat. No. | Type | Color | Net Sq. Yd. |
|----------|-------|--------------------------------------|-------------|
| A43C550 | 212 | Walnut, w/beige thrds. | 2.50 |
| A43C551 | 213 | Mahog. w/gold thrds. | 2.50 |
| A43C552 | 214 | Mahog. w/bronze thrds. | 2.50 |
| A43C561 | 215M | Mahog. w/gold metal thrds. | 3.50 |
| A43C562 | 512M | Beige w/gold metal and brown thrds. | 3.50 |
| A43C563 | 617M | White w/gold metal thrds. | 3.50 |
| A43C565 | 8048M | Beige/Tan straw, slight metal effect | 3.50 |
| A43C566 | 613 | Tan w/beige straw thrds. | 3.50 |
| A43C576 | 560B | Blood/Brown/White flaked with gold | 4.25 |
| A43C569 | 300 | Mahog. w/gold cobweb | 4.25 |
| A43C572 | 453 | Black w/gold cobweb | 4.25 |
| A43C570 | 619 | White w/blk & gld cobweb | 4.25 |

Write for free cloth sample desired or any color not listed.

BUY ANY ITEM IN THIS CATALOG ON Radio Shack's New Easy Budget Plan!

See Page 3 for details!

REALISTIC Decorator Enclosures

Beautifully Finished, Exquisitely Styled

NEW REALISTIC LONDON 8" ENCLOSURE



Handsome
Design

\$24⁷⁵

Exclusively designed for Radio Shack customers, the London enclosure is a bass reflex type and holds an 8" speaker. The beautiful walnut finish is the same that fine Danish craftsmen apply to their finest furniture. The sturdy 3/4" plywood cabinet is finished on all four sides, you never have to hide the back of it! Measures 11" h x 18" w x 10" d. It regularly sold for \$34.95 but our volume business means you get them at a low price. Ship. wt. 25 lbs.

A90LX720 London.....\$5 Monthly, Net 24.75

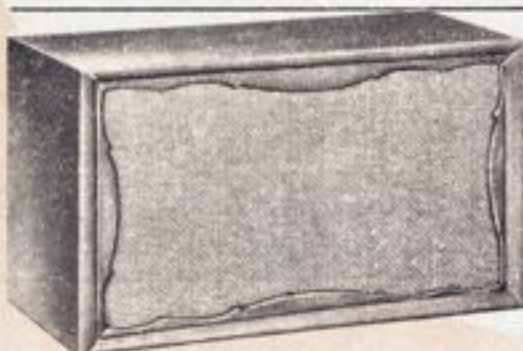
NEW REALISTIC ROME 15" ENCLOSURE

Includes
Floor
Base

\$44⁷⁵

Ported bass reflex design enclosure will hold your 15" speaker and add that beauty to your home. Its lustrous walnut finish is hand-rubbed for deep, penetrating life. The unique style was created exclusively for Radio Shack by skilled cabinet makers . . . your guarantee of quality! Measures 27 1/4" h x 19 1/4" w x 15 1/4" d. Ship. wt. 45 lbs.

A90LX255 Rome.....\$5 Monthly, Net 44.75



THE 12" PARIS

Bass
Reflex
Port

\$33⁷⁵

Realistic 12" speaker enclosure is styled in French Provincial, made from 3/4" cherry plywood. It is finished on 4 sides in Fruitwood. 25" h x 16" w x 12 1/4" d. Ship. wt. 35 lbs.

A90LX721 Paris.....\$5 Monthly, Net 33.75

A90LX722 Base for Paris.....Net 5.95

SAVE! **Magnavox** SPEAKER and complete ENCLOSURE SYSTEM!

35 to 17,500 cps Speaker System Is Stunning!

\$12⁹⁵

Includes Complete
Crossover System

Here's the hi-fi buy of your life! This isn't just a woofer or just a tweeter; but a complete speaker system consisting of a 12" woofer, 4" tweeter and a complete crossover network. Originally made for a famous name system manufacturer, this fantastic unit is now available for individual applications you want. Frequency response is essentially flat from 35 to 17,500 cps. Ship. wt. 7 lbs.

A90LX240 Magnavox Speaker System.....\$2 Down, Net 12.95

Above
System
Only

\$29⁹⁵

With
Handsome
Enclosure

Buyers don't end at speakers only at Radio Shack! We've put together a terrific combination of the speaker system above and an outstanding enclosure for a package you'll want . . . a price you can afford! The beautiful specially fitted mar-proof cabinet is made from 3/4" stock. It comes in your choice of Mahogany, Walnut or Blood Finishes. Please specify your choice. Ship. wt. 31 lbs.

A90LX290 Magnavox Speaker System plus Enclosure.....\$5 Monthly, Net 29.95

Own Enclosures For As Little As \$5.00 Monthly. See Page 3

www.RadioShackCatalogs.com

REALISTIC

CUSTOM MUSIC CABINETS



Completely Assembled,
Ready to Finish

Handsome Style
3/4" Birch Veneer

\$124⁹⁵

Only \$6 Monthly



REALISTIC HOME MUSIC SYSTEM CABINETS

(A) Equipment and record storage cabinet plus 2 speaker enclosures to match; fully sanded, smoothly sanded, ready to finish in your choice. All this, PLUS audio-engineered design adds up to the best value we've seen at any price! Some of the extra features include magnetic door latches, edge veneering, solid legs with brass ferrules, equipment cabinet with vented back panel and adjustable shelves; speaker cabinet includes factory-installed acoustic insulation. Steal of a deal and exclusive at Radio Shack! Ship, wt. 135 lbs. Express only.
A92LX168.....\$6 Monthly, Net 124.95

(B) Here's the complete cabinet designed to hold all your hi-fi needs and then some! This equipment cabinet features a lift top section that holds any turntable or changer... makes it easy to get to it. The inside has room for an amplifier, a tuner and a tremendous number of records, 36" x 29 1/2" x 17" overall. Ship, wt. 65 lbs. Express only.
A90LX378.....\$5 Monthly, Net 74.95

(C) The ideal speaker cabinet for adding on to your present system or a planned system. The simple style makes it a cinch to fit in with every decor and you can finish it to suit yourself. The enclosure holds either an 8" or 12" speaker. The full face grill cloth is attractively styled. Measures 18"x29 1/2"x17" overall. Ship, wt. 35 lbs. Express only.
A90LX376.....\$5 Monthly, Net 31.70

No Need to Wait! Your Choice of Hi-Fi on Radio Shack's Easy Budget Plan. See Pg. 3.



YOU SAVE \$63.20

Complete Home Stereo System

- Realistic Stereolyne 40A Amplifier
- Realistic Music Center Cabinet and Speaker Enclosures (above)
- Garrard RC-210 Automatic Changer
- 2 Electro-Voice L5-12 Speakers
- Shure M7D Diamond Stereo Cartridge

\$269⁹⁵

ONLY \$12.50 MONTHLY

Audiophile Net
333.15



ROCKFORD

(D) EQUIPMENT AND RECORD CABINET—All-in-one center houses your amplifier, preamp, tuner, tape recorder, changer or turntable. Also holds over 150 LP albums. Measures 40"x32 1/2"x19 1/2". Ship, wt. 113 lbs. Express.
A33CX894 105, Nat. Walnut Net 119.95
A33CX895 105, Deluxe Mahog. Net 119.95
A33CX896 105, BlondNet 119.95

(F) 12" ACOUSTIC SPEAKER ENCLOSURE—Enables you to use a speaker system of your choice and keep your costs low. Houses any speaker up to 12" plus any size tweeter. Measures 20" x 32 1/2" x 18". Ship, wt. 50 lbs. Express.
A33CX794 101F, Nat. Walnut...Net 54.50
A33CX795 101F, Deluxe Mahog...Net 54.50
A33CX713 101F, BlondNet 54.50

(E) CHAIRSIDE CABINET—For convenient operation and control of your stereo or mono system. Holds amplifier and/or preamp or tuner and every changer. Measures 18"x20"x30". Ship, wt. 45 lbs. Express.
A33CX897 110C, Nat. Walnut Net 64.95
A33CX898 110C, Deluxe Mahog... Net 64.95

(G) COMPACT EQUIPMENT CABINET—Houses components with complete protection. Top holds amplifier and another unit; bottom rolls out, holds changer or turntable. 20" x 32 1/2" x 18". Ship, wt. 55 lbs.
A33CX792 100, Nat. Walnut...Net 57.50
A33CX793 100, Deluxe Mahog...Net 57.50
A33CX712 100, BlondNet 57.50

(H) HIGH FIDELITY STEREO CONSOLE CABINET—Combined in one unit—a beautiful stereo music center to completely fill your needs. Twin speaker enclosures hold 12" speakers or multi-way systems plus any size tweeter. The center cabinet section is built to house an amplifier and/or preamp, tuner or tape recorder-player. The bottom section rolls out revealing the turntable or changer. You can select your choice of separate famous-name components and place them in this console, assured that the reproduction will be rivaled only by the pleasure you get from owning it. Remarkably flexible to suit your needs, this all-in-one unit is sturdily built to last. Measures 54"x32 1/2" x 18". Ship, wt. 176 lbs. Express.
A31CX118 1000, Nat. Walnut Net 175.00

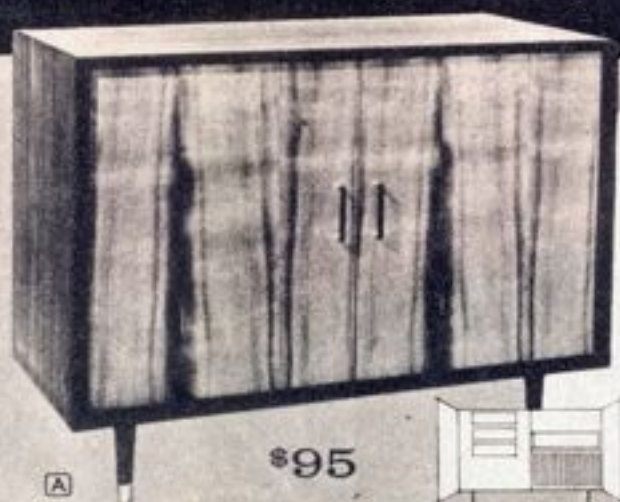
60 • RADIO SHACK

For "Where-to-Find-it" Check the Index on Pages 190 thru 192

www.RadioShackCatalogs.com

Custom Hi-Fi Cabinets To Compliment Every Decor

Artizans



\$95

Distinctive Design in Natural Woods

Through the extensive efforts of Artizans, cabinet-making has once again become a distinctive art . . . and what *better* proof than these breathtaking cabinets by Artizans! Exquisitely designed, enhanced by care-free oil finish, they add charm, grace and beauty to your home—yet, at the same time, fill every need of stereo and hi-fi enclosures. For permanence and growth of your system, Artizans cabinets permit the addition of components by the addition of new matching cabinets. For incomparable beauty, for durability, choose Artizans!



\$63

For Every Component . . . For All Speakers!

| | | |
|----------|--|-------------------------|
| A | LARGE EQUIPMENT CABINET, 30 $\frac{1}{2}$ " H. x 35 $\frac{1}{2}$ " W. x 17 $\frac{1}{2}$ " D. Wt. 82 lbs. | |
| | A31CX109 Type 505A1 Birch | \$5 Monthly, Net 95.00 |
| | A31CX110 Type 505A2 Walnut | \$6 Monthly, Net 110.00 |
| | A31CX111 Type 505A3 Mahogany | \$6 Monthly, Net 110.00 |
| | A31CX113 Type 505A5 Teak | \$6 Monthly, Net 125.00 |
| B | MATCHING 12" SPEAKER ENCLOSURE, 30 $\frac{1}{2}$ " H. x 23 $\frac{1}{2}$ " W. x 17 $\frac{1}{2}$ " D. | |
| | Shipping weight 55 lbs. * | |
| | A31CX101 Type 501A1 Birch | \$5 Monthly, Net 63.00 |
| | A31CX102 Type 501A2 Walnut | \$5 Monthly, Net 78.00 |
| | A31CX103 Type 501A3 Mahogany | \$5 Monthly, Net 78.00 |
| | A31CX104 Type 501A5 Teak | \$5 Monthly, Net 93.00 |
| C | SMALL EQUIPMENT CABINET, 30 $\frac{1}{2}$ " H. x 23 $\frac{1}{2}$ " W. x 17 $\frac{1}{2}$ " D. Wt. 62 lbs. | |
| | A31CX105 Type 504A1 Birch | \$5 Monthly, Net 79.00 |
| | A31CX106 Type 504A2 Walnut | \$5 Monthly, Net 94.00 |
| | A31CX107 Type 504A3 Mahogany | \$5 Monthly, Net 94.00 |
| | A31CX108 Type 504A5 Teak | \$6 Monthly, Net 109.00 |



\$79



\$7 MONTHLY
\$142⁰⁰



UNIQUE COMPONENT CABINET WITH TAMBOUR ROLL DOOR

- Door Rolls Out of Sight!
- Choice of Walnut or Mahogany!

\$56⁵⁵

Here is the ultimate in audio cabinets—a fabulous stereo combination unit that combines rich, stunning appearance with carefully engineered construction. Its handsome new design is inspired by the latest decorator trends. The interior is lined on all sides with fiber glass. The top is for tuner and/or integrated amplifier, while the changers and turntables fit in drawer which is on ball-bearing rollers. Speaker openings are cut for 12" and 8" speakers. Truly a masterpiece of audio cabinet-making! Shipping weight 112 lbs.

Outstanding in appearance and roominess, this unusual, modern cabinet is a tastefully styled unit with 16" H. brass tapered legs. Has spacious compartments for record changer or turntable, tuner and amplifier. Tambour door easily rolls out of sight for complete accessibility. Handsome design will add distinction to any room: Cabinet size: 39" W. x 14 $\frac{1}{2}$ " H. x 18" D. Total height: 30 $\frac{1}{2}$ ". Shipping weight 40 lbs.

- A31CX117 Type 508A1 Birch Net 142.00
- A31CX119 Type 508A2 Walnut Net 157.00
- A31CX120 Type 508A3 Mahogany. Net 157.00

- A31CX114 Type 403W Walnut \$5 Monthly, Net 56.55
- A31CX115 Type 403M Mahogany \$5 Monthly, Net 56.55



REALISTIC STEREO TABLE WITH SUPERB NEW ARM

Fabulous combination of MARK-VIII 4-speed HYSTERESIS stereo turntable (worth \$89.50!) and new REALISTIC jiffy-mount all-cartridge stereo tone arm (compare at \$25-\$35)!

REALISTIC

SCOOP OF THE YEAR!

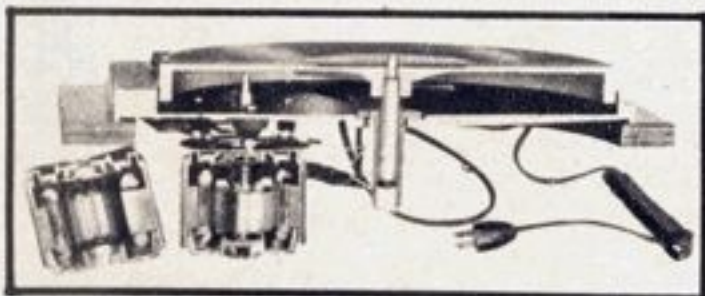
GOLD-PLATED!

Col. No. A90LX156
Ship. wt. 25 lbs.



NEW! REALISTIC TONE ARM

Buy it through Our **EASY BUDGET PLAN!** Details on page 3!



CUTAWAY PHOTO OF MARK VIII shows (A) hysteresis synchronous motor for unvarying speed, (B) precision-ground, dynamically balanced rotor, (C) hardened, ground, micro-finished motor shaft, (F) machined, balanced, cast aluminum turntable, (D) internal rim drive with precision neoprene idler, (E) lathe-turned, exactly centered, spindle.

- turntable
- mounting board
- tone arm

No Down Payment!

\$59⁹⁵

\$5 Monthly

Built Like \$115-\$125

New MARK VIIIa

REALISTIC MARK VIIIa plus SHURE M-7D STEREO CARTRIDGE

Sensational combination buy! Both the Mark VIIIa and Shure magnetic cartridge with diamond stylus at savings of \$13! Excellent value on an outstanding unit. Wt. 26 lbs. A92LX197 \$5 Mo., Net 69.95

Reg. \$83.47

\$69⁹⁵

Just a few short months ago, Realistic introduced the amazing Mark VIIIa, and immediately the sensational reports started coming in—praise and acclaim from everywhere, for the Mark VIIIa's engineering brilliance, stunning design and "impossible" value. Yet is it any wonder? Think of it! You not only get the distinctive Realistic "gold-plated" stereotable, but also the amazing jiffy-mount stereo tone arm, plus the handsome ebony-finish ¾" hardwood mount. Yes, all three units are yours—for the price of the record changer alone! And these are units with that superb Realistic precision craftsmanship, with that same high quality engineering which has stunned the audio world time and time again! The new Realistic tone arm mounts in a matter of minutes, has a rear weight-adjust knob, accepts all standard cartridges. The heavy-cast aluminum stereotable not only meets but also exceeds NARTB standards for broadcast industry use and it's driven by the famous 4-speed Mark VIII Hysteresis Synchronous Motor. But these are just a few of the many, many outstanding features of this incredible unit. Read the specs below; get the whole story. You, too, will agree: this is a new chapter in hi-fi history!

TURNTABLE: Mounted on ¾" black ebony-finish wood board. Meets or exceeds NARTB standards for broadcast industry use. Every unit with "gold-plated" fittings throughout—screws, nuts,

etc. Flutter and wow below 0.2% total. Starting time 1.32 sec. @ 16½ and 33½ rpm, 1.5 sec. @ 45 and 78 rpm. Noise level 45 db below average recording level. Chassis cast aluminum with maroon and gold finish. Dimensions 17" x 22" x 4¼" below mounting board. 90-130 V, 60 cycle AC only.

TONE ARM: Precision cone type pivots to minimize vertical friction. Ball bearing races in both top and bottom of pivot column for negligible horizontal friction. Stylus pressure adjustable by micrometer controlled counterbalance weight at rear of arm. May be locked in position. Arm height fully adjustable.

OTHER FEATURES: 2 plug-in cartridge holders included. Lock-in arm rest. Paper template, all hardware and complete instructions for easy mounting of tone arm. Color coded cartridge terminals. Two 3-ft. shielded plastic cables for connection to amplifier. Maroon and gold finish matches turntable. Ship. wt. 25 lbs.

A90LX156 Mark VIIIa.....Only \$5 Monthly, Net 59.95

SPECIAL! OILED WALNUT BASE for mounting Mark VIIIa table and board. 17" x 22" x 3". Ship wt. 9 lbs.

A91LX201.....Net 9.95

Introducing the New **REALISTIC**

4-SPEED MANUAL PLAYER

Fabulous Mark IX



with Precision-Made Garrard Mechanism!

Completely Wired! Ready To Use!

TOP-NOTCH FEATURES:

- ★ Garrard Mechanism with 4-Pole Motor!
- ★ Has Aluminum Pickup Arm with Finger Lift!
- ★ Automatically Starts and Stops!
- ★ Rugged, Compact Styling—Made in England!

Here's the most blessed audio event in years—REALISTIC's fabulous, new MARK IX 4-speed manual player which features a precision-made, quality-crafted Garrard (yes, *Garrard!*) mechanism for exceptionally quiet, smooth operation. And here's even *greater* news! Radio Shack brings you this amazing player not at \$50 . . . or \$40 . . . or even \$30 . . . but at the sensationally low price of only \$24.95. This compact, efficient unit will thrill you with its fine reproduction of recorded music, its handsome styling, its many fine features. Although it is a manual player, it starts and stops automatically. To start: simply move the pickup arm. As for stopping, it shuts itself off at the end of each record. The motor is a 4-pole induction surge type and has true-turret drive. The tone arm is aluminum with universal shell to fit all cartridges. Also included in this superb player unit is a professional type finger lift, line cord and pickup cable ready to plug in. Size: 14 $\frac{3}{4}$ " x 12 $\frac{1}{2}$ ". Requires 3" clearance above, 2 $\frac{1}{16}$ " below motor board. For 110-120 V., 60 cycle AC. You can look far and wide if you want, but nowhere will you find greater craftsmanship or greater value than this—REALISTIC's MARK IX 4-speed manual player at extraordinary Radio Shack savings!

A90LX116 Realistic Mark IX \$5 Monthly, Net 24.95
WOOD BASES FOR THE MARK IX RECORD PLAYER, Ship. wt. 4 lbs.
A90LX119 Mahogany Base Net 3.95
A90LX120 Walnut Base Net 3.95

Only
\$24⁹⁵
Less Base and Cartridge
\$2 Down, \$5 Monthly

SAVE!!...COMBINATION OFFER!

REALISTIC MARK IX
MANUAL PLAYER and
SONOTONE BTSD
CARTRIDGE!

Save \$10.02!
\$29⁸⁸



Terrific bargain! Sonotone cartridge has .007" diamond and .003" sapphire styli.
Ship. wt. 13 lbs.
A90LX117 Mark IX and BTSD Net 29.88

Realistic Mark IX & Shure M7D Diamond Magnetic Cartridge

Value deluxe! Save \$13.52
Cartridge has .0007" stylus.
Ship. wt 13 lbs. **\$34⁹⁵**



A90LX118 Mark IX and M7D. Net 34.95

For Radio Shack Kits . . . For Both Audiophiles and Electronic Hobbyists . . . Check the Index

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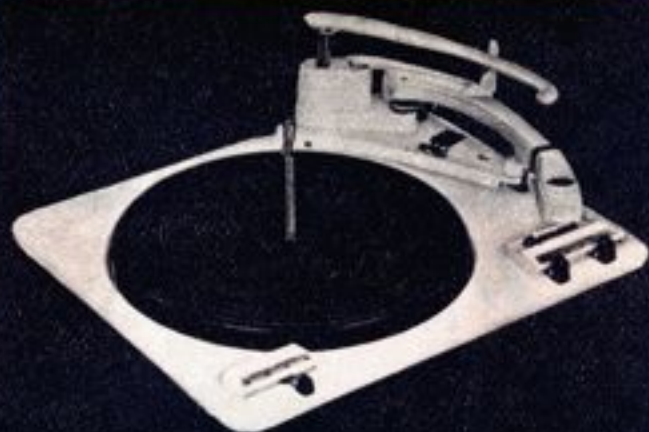
Garrard

QUALITY CHANGERS
THE WORLD RELIES ON

RC210 4-Speed Automatic Changer

Mainstay of the Garrard line, offering deluxe features at a reasonable price. It's the quality record player for component systems, ideal for small spaces. Replacement is quick and easy if that's your goal. The RC210 features trouble-free center-drop mechanism. You can adjust the aluminum tone arm for use with any stereo cartridge. Side/slide control levers simplify speed selection, manual or automatic operation. Measures 14 1/2" x 13" x 5", and 3 1/4" below motorboard. With stereo pickup cables. Ship. wt. 12 1/2 lbs.

A15CX264 RC-210.....\$5 Monthly, Net 44.50



Completely Wired
for Stereophonic Use

\$44⁵⁰



\$59⁵⁰

RC88/Mark II 4-Speed Changer

New leader for automatic changer or turntable uses, the RC88/II features a pusher platform and 1 piece spindle to insure maximum record protection. Ideal for stereo and monaural records, it has a 4-pole motor built to extreme tolerances to insure rumble-free performance. Features professional 1" rubber-matted turntable, aluminum non-resonant tone arm with plug-in heads and easy access pressure and height adjustments, anti-pop network, automatic stop plus shut-off brake. Measures 15 1/2" x 13 1/4" x 5 1/4" and 3 1/4" below motorboard plate. Ship. wt. 15 lbs.

A15CX786 RC-88/Mark II.....\$5 Monthly, Net 59.50

No Additional Charge for Add-
ons to Your Budget. See Page 3

ACCESSORIES FOR AUDIOPHILES

Radio Shack is your headquarters for all Garrard accessories. Make your equipment perform as YOU want it to. And you can get these aids on EASY BUDGET TERMS without any specific minimum order.

45 RPM SPINDLES

For 88/II, Type A, RC88, RC98.
A15C789 LRS-3. Ship. wt. 1 lb... Net 3.80
For Models RC210 and RC121/II.
A15C784 LRS-4. Ship. wt. 1 lb... Net 3.80

CARRYING CASES

Simulated leather with board cut to hold 88/II Type A, RC88, RC98.
A15CX795 C-8. Ship. wt. 1 lb... Net 15.00
As above for Model RC210.
A15CX358 C-10. Ship. wt. 1 lb... Net 15.00

UNFINISHED MOUNTING BOARDS

For Model 88/II, Type A, RC88, RC98.
A15C794 M-8. Ship. wt. 1 lb... Net 2.25
For Model RC210.
A15C357 M-10. Ship. wt. 1 lb... Net 2.25



For Model 4HF.

A15C957 M-301. Ship. wt. 1 lb... Net 2.25
Two piece mounting board for Model 301. With bulls-eye spirit level. Space to mount 12" or 16" arm.
A15C453 M-301. Ship. wt. 2 lbs. Net 7.50

Wood Bases—2 lbs. each

For 88/II, Type A, RC88, RC98.
A15CX797 B8M, Mahogany... Net 4.95
A15CX100 B8B, Blond... Net 4.95
A15CX101 B8W, Walnut... Net 4.95

For Model RC210.

A15CX356 B10M, Mahogany... Net 4.95
A15CX102 B10B, Blond... Net 4.95
A15CX103 B10W, Walnut... Net 4.95

For Model T/II.

A15CX404 B7/IIA, Mahogany... Net 4.60
A15CX105 B7/IIA, Blond... Net 4.60
A15CX106 B7/IIW, Walnut... Net 4.60

For Model 4HF.

A15CX955 B4M, Mahogany... Net 6.50
A15CX956 B4B, Blond... Net 6.50
A15CX350 B4W, Walnut... Net 6.50

For Model 301. Ship. wt. 3 lbs.

A15CX107 B3M, Mahogany... Net 8.95
A15CX108 B3B, Blond... Net 8.95
A15CX109 B3W, Walnut... Net 8.95

Deluxe 2-piece base for Model 301. Lev- eler built-in. Ship. wt. 7 lbs.

A15CX452 B301E, Ebony... Net 24.00
A15CX110 B301M, Mahogany... Net 24.00
A15CX112 B301W, Walnut... Net 24.00



\$2⁹⁵

Garrard Stylus Pressure Gauge

- Easy to Operate
- From Zero to 12 grams
- Readily Adjustable

New stylus gauge features a large, legible scale, visible through a plastic window with 0-12 gram markings. Use it to check the weight of a tone arm or to set a predetermined weight. 5 gram weight included to test for accuracy ("zero" adjust). Swivel balance-type scale pan guarantees accuracy. Ship. wt. 1 lb.
A15C048, SPG-3... Net 2.95

Garrard

WORLD'S FINEST STEREO CHANGERS AND PLAYERS

GARRARD TYPE A "AUTOMATIC TURNTABLE"—A new concept in record playing instruments. Combines the high quality of a professional turntable with the convenience of an automatic changer. Professional tone arm is factory mounted turntable plate. Eliminates the dangers of inaccurate installation. Now you can have both . . . an automatic changer and a professional turntable/tone arm for the price of a changer alone! 4-speed, has the exclusive Garrard pusher platform/interchangeable spindle device. Simple controls, built-in leveling adjustments. Tone arm has a heavy, adjustable counterweight for dynamic balance. Slide knurled knob to set desired pressure. No side pressure on groove. The turntable is dynamically balanced, cast and polished with perfect balance and silent on-speed running. 2-piece, *actually 2 turntables* separated by a foam disk. Laboratory balanced motor. Changing mechanism allows the use of the correct size spindle for every type record. No tools needed for installation. Levels by simply turning a knurled knob. Fully wired for stereo. Special wiring to minimize hum. Ship. wt. 19 lbs. A15CX052. Only \$5 Monthly, Net 69.50



\$69⁵⁰

\$5 MONTHLY

TPA/12 STEREO ARM

A precisely made Garrard transcription arm for use on stereo records and transcriptions up to 16" in diameter! Carefully engineered combination of static balance and spring loading provides maximum vertical freedom. Uses spring-loaded, cone-type ball-bearing pivots for nearly friction-free movement. Needs only 1 mounting hole, has fixed length and tracking angle. Takes any stereo cartridge. Ship. wt. 2 lbs. A15C958. \$2 Down, Net 19.50



\$19⁵⁰

\$2 DOWN



MODEL 301

\$89⁰⁰

\$5 MONTHLY

TRANSCRIPTION TURNTABLE

Features plus or minus variable control on all speeds. Has accurate measurements of speed, wow, flutter, rumble, flash and insulation contained in an individual inspection card. 12" table, heavy duty motor, free-floating motor-mount, noiseless. Has a built-in pressure lubricating system. Turntable is dynamically balanced and precision machined. Requires 16" D. by 13 1/4" W. by 2 1/2" above and 3 1/4" below top of motor board. The unit plate is heavy, entirely die-cast aluminum. Operates on either 100-130 VAC or 200-250 VAC. Ship. wt. 20 lbs. A15CX454. Only \$5 Monthly, Net 89.00

MODEL 4HF

\$59⁵⁰



\$5 MONTHLY

DELUXE PLAYER With TONE ARM

A deluxe manual transcription player with a 12" turntable and a transcription tone arm mounted on the same plate. 4-speeds with plus or minus speed adjustments on each speed. Heavy weight, heavy duty turntable. Tone arm has a plug-in universal shell. Automatic start-stop built into tone arm rest. Lift tone arm to start, replace on rest to stop. Push button system will control whether auto trip mechanism will operate or not. Tone arm can be used as an independent unit. Pressure lubricating system. Ship. wt. 15 lbs. A15CX951. Only \$5 Monthly, Net 59.50



MODEL RC88

\$69⁵⁰

\$5 MONTHLY

4-SPEED SUPER CHANGER

Garrard's greatest 4-speed automatic and manual record player. Combines all the advances of the RC88 with the automatic operation of Garrard's exclusive pusher platform-removable spindle. Offers continuously variable plus or minus adjustment of each speed within a wide range. Tunes the changer to the pitch or key of a musical instrument. Advanced type all-electrical rheostat operation varies the voltage in the motor coils without friction or loss of efficiency. Operates on 115 VAC. Includes 45 RPM spindle, less cartridge. Wired for stereo and monaural records. A15CX790 Ship. wt. 21 lbs. Only \$5 Monthly, Net 69.50

MODEL T MK II

\$32⁵⁰

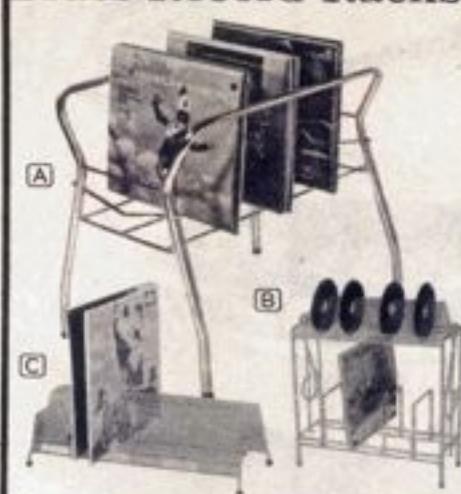


\$5 MONTHLY

4-SPEED MANUAL PLAYER

A compact, efficient manual unit which guarantees fine reproduction of recorded music where a changer is not required. Low cost, but includes: 4-pole induction surge motor, true-turret drive, aluminum tone arm and universal shell to fit all cartridges, professional type finger lift, line cord and pickup cable ready for plug in. Features automatic start and stop by simply moving the tone arm to start. Operates on either 117 or 220 V AC, 60 cycle, 50 cycle pulley is available, 4 speed. Dimensions: 14 1/4" left to right, 12 1/4" front to rear, 3" above motor board, 2 1/4" below. A15CX401 Ship. wt. 15 lbs. Only \$5 Monthly, Net 32.50

Brass Record Racks



- A 150 DISK RECORD RACK**
 • Flip Thru Selection
 • Mfrs. List \$6.95
\$4.49
 Double, brass-plated tubular frame. 19" high x 13 1/2" deep x 20" long.
 A98LX302 Ship. wt. 5 lbs. Net 4.49
- B 60-DISK RECORD STAND**—Top rack holds 60 disks, bottom shelf ideal for large albums. 22"Hx16"Wx6 1/2"D. Mfrs. List \$6.50.
 A98LX319 Ship. wt. 5 lbs. Net 4.29
- C QUALITY RECORD RACKS AT LOW PRICES**—Hold all sizes of records from 7" to 12". In jeweler's brass or satin black, with anti-mar rubber feet. Ship. wt. 2 lbs. each.
- | | | |
|---------|-------------------|----------|
| A15C327 | 40 Records, Black | Net .99 |
| A15C328 | 40 Records, Brass | Net 1.19 |
| A15C325 | 60 Records, Black | Net 1.69 |
| A15C326 | 60 Records, Brass | Net 1.89 |

Record Carrying Cases

- Complete Index

\$2.79



Giant capacity cases for 75 7-inch or 36 12-inch records. Luggage tan with ivory top, embossed leather design. Plastic handle, brass-plated locks.
 A15CX191 7" Case, Wt. 3 lbs. Net 2.79
 A15CX192 12" Case, Wt. 6 lbs. Net 4.49

15 Packet 45 RPM Album



99¢

- Complete Index in Front

Vinylite covered. Easy reference. Rich leather grain, gold embossed. Ship. wt. 1 lb.
 A15C197 Maroon Net .99
 A15C198 Brown Net .99



- D ANTI-STATIC RECORD CLOTH**—Prevents accumulation of dust. List \$1.00.
 A15C320 Ship. wt. 1/4 lb. Net .49
- E THORENS STROBE DISC**—Tests turntable speed. Precision construct.
 A15C268 Ship. wt. 1/4 lb. Net .21
- F KLEENEEDLE BRUSH**—Whenever automatic record changer is cycled, the brush wipes the stylus clean. Base has adhesive pad—mounts anywhere.
 A15C746 Ship. wt. 1/4 lb. Net .98
- G DISCLEEN CLIP-ON RECORD BRUSH**—Camel's hair, keeps grooves clean. Fits any tone arm. Light weight. Mfrs. list \$1.00.
 A15C643 Ship. wt. 1/4 lb. Net .49
- H RELTON HI-FI NEEDLE TIMER**—Indicates hours of needle use. Easily connected to any record player, it operates only when the needle is in use. Registers up to 720 hours of needle use. Easily reset. A necessity to protect expensive records. Complete with 5' cord, black plastic case. Ship. wt. 2 lbs.
 A15C558 Net 9.95
- J WEATHERS "DISCUSHION"**—Protects grooves from scratches, dust on turntable, etc. Has 3 circular ridges in graduated heights, centered 7", 10" and 12" from spindle hole. Only the rim of the record touches the ridge. Dia. 12".
 A15C500 Ship. wt. 1/4 lb. Net 2.95
- K LEKTROSTAT RECORD CLEANING KIT**—Ideal for thoroughly and safely removing grease, lint, and dust from record grooves. Contains: anti-static detergent fluid, tufted wiping pad.
 A15C608 Ship. wt. 1/4 lb. Net 1.96
- L ANTI-STATIC SPRAY**—Easy to use. Deposits thin anti-static film on record surface. Aids in preventing accumulation of dust and lint. 6 oz. aerosol spray can. Ship. wt. 1/2 lb.
 A15C651 Net .88
- M ANTI-STATIC "ATOMIC JEWEL"**—Highly effective static neutralizer. A tiny jewel on a clip. Makes records dust resistant, neutralizes static electric charges which attract dust. Weighs less than 1/50th of an ounce. Clips to tone arm without any tracking interference. Increases record, stylus life, reduces noise.
 A15C649 Ship. wt. 1/4 lb. Net 2.94
- N ROBINS CHANGER COVER**—Fits nearly any changer. Rigid, collapsible. Easy to set up, sturdy. Keep your changer dust free. Available in clear plastic. Size: 12" x 15 1/2" x 5". Mfrs. List, \$6.95.
 A15C650 Ship. wt. 1/2 lb. Net 4.89
- HI-FI TURNTABLE COVERS**—Heavy vinyl plastic, stitched edges. Ship. wt. 1/2 lb.
 A15C438 For changers Net .97
 A15C439 For turntables Net 1.59
- O 45 RPM DISCS**—These sturdy conversion discs make it possible to convert your 45 RPM records for use on the spindle of any record changer. No additional expense of buying a special 45 spindle.
 A15C129 Ship. wt. 1/4 lb. Net 5 for .19
- P WALCO STEREO DISCLEANER KIT**—Designed for stereo, ideal for all records. Includes: A new, improved anti-static cleaning solution in a squeeze bottle, lasts for months. Special applicators for cleaning and drying, pile is sheared at exact depth of grooves. Unconditionally guaranteed. List \$1.50.
 A15C641 Ship. wt. 1/2 lb. Net .89
- Q ROBINS TURNTABLE CUSHIONS**—Sponge plastic cushions, no record slip, longer life. 10" and 12" sizes. Ship. wt. 1/2 lb. each.
 A15C360 10" Turntable Net .73
 A15C361 12" Turntable Net .98
- R PLASTIC DISC COVERS**—Protective record sleeves, contour bottom. Ship. wt. 1/2 lb. each.
 A15C653 15 10" sleeves Net .58
 A15C644 15 12" sleeves Net .58



Dust-Proof LP Storage Boxes

\$6.99

For Three
 Mfrs. List \$9.00

Covered with vinylite, the wonder plastic. Rich fine grained leather pattern, with gold stamping. Hold 12 12" LP records with jackets. Scuff and stain resistant. Ship. wt. 7 lbs. each.
 A15CX195 Brown Net 3 for 6.99
 A15CX196 Maroon Net 3 for 6.99

Luggage-Type LP Record

Cases \$5.99 • Indexes
 and up • Wooden Framed
 Mfrs. List \$8.95

Leather pattern vinyl, brass-plated locks. 7" case holds 100 45's. 12" case holds 35 LP's.
 A15CX194 7", Two-tone, Wt. 5 lb. Net 5.99
 A15CX193 12", Luggage Tan, Wt. 6 lb. Net 7.99



Turntable-Changers



united Audio

- Precision Built-in Pressure Gauge
- Large Diameter, Heavyweight Turntable
- Self-Lubricated Ball Bearing
- Elevator Action Changing Spindle

\$79⁹⁵

Only \$5 Monthly

Combination Turntable and Deluxe Changer For Stereo and Monaural

UNITED AUDIO DUAL-1006 Fine Design—Maximum Flexibility

United Audio's 50 years of experience with record players has produced an entirely new combination professional turntable and deluxe changer. Simple to operate, intended to give the greatest usefulness, convenience and accurate, life-long dependability. The motor's unusually high horsepower insures constant RPM under any load condition, enables the turntable to reach full speed within 1/2 second from a dead start. Motor rotor is oscilloscope balanced in set in extra-large, self-aligning ball bearings. Tone arm has rigid, locking key snap-in accommodation for mono or stereo cartridges. One-piece construction. Double set of ball bearings insures complete freedom of vertical and horizontal motion. Stylus pressure adjustment is directly on tone arm assembly. Plays manually, automatically or any variation. Has switch to adapt cartridge for mono or stereo. Ship. wt. 20 lbs.

A15CX286.....\$5 Monthly, Net 79.95
WB-2, Mahogany or Walnut base for 1006.
A15CX287 Ship. wt. 3 lbs.....Net 6.95
45 RPM Spindle for 1006
A15C296 Ship. wt. 1 lb.....Net 4.80

Glaser-Steers Deluxe Stereo-Monaural Changers

GLASER-STEERS GS-77



\$59⁵⁰

\$5 Monthly

Features exclusive "Turntable pause." Eliminates the grinding action which takes place where records are dropped on a moving turntable or disk to protect the delicate grooves of stereo records. "Speedminder" another GS-77 exclusive, automatically selects correct turntable speed and provides records and stylus protection no other changer can equal. 4-speed.

On monaural it provides signal to both speakers, adding extra depth to sound. Quick change cartridge holder for stereo and mono cartridges. Automatic shut-off, shock mounted. Wt. 13 lbs.
A15CX858 GS-77.....\$5 Monthly, Net 59.50
A15CX860 Decorative Base, Ebony. Ship. wt. 3 lbs. (GS-77 and GS-400).....Net 9.60
A15CX862 Record Changer cover (GS-77 and GS-400) Ship. wt. 1 lb.....Net 9.75
A15C861 45 RPM Spindle for GS-77 and GS-400 Ship. wt. 1 lb.....Net 2.95

GLASER-STEERS GS-400

4 Speeds... Automatic or Manual
Gentle Record Handling... Jam-proof

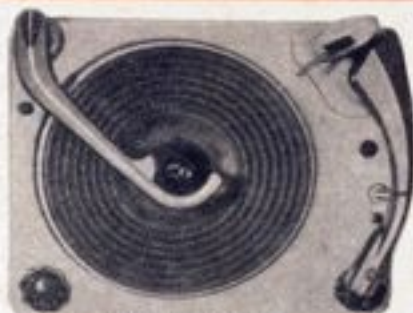
Provides turntable quality with automatic convenience. Gentle, easy record handling, precise tracking of stereo and mono records. Simplicity of design means trouble-free performance. Has automatic and manual operation at 4 speeds, plays all sizes of records regardless of sequence. Transcription quality tone arm with finger lift. Double channel muting switch and RC network maintain silence for both stereo channels. Foolproof, jamproof, trouble-free. Idler automatically disengages in "off" position to prevent flat spots. Die-cast aluminum one piece tone arm. Counterbalance to give even stylus pressure. Vernier stylus pressure adjustment. 4-pole, hum shielded motor. Ship. wt. 12 lbs.

\$47⁵⁰

\$5 Monthly



A15CX859 GS-400.....\$5 Monthly, Net 47.50



\$22⁵⁰

BSR Changer With Jeweled Stereo Cartridge

Plays All Speeds... All Sizes Intermixed...

Jam-proof... Only \$2 Down... Only \$5 Monthly!

Specifications and features that compare to the finest! Plays all 4 speeds and all 3 sizes automatically. Intermixes 7", 10" and 12" records of the same speed. Mechanism is absolutely jam proof. Phono arm can be lifted from record at any point without damage to changer. Rim-driven, ball-bearing mounted turntable has rubber cushion. With 4-pole, heavy-duty induction motor, it gives quiet hum-free operation. Switch automatically shuts off motor after last record. Manual position permits the most delicate handling of "collectors item" records. Has Monarch's own diamond tipped stereo-fidelity cartridge. This sturdy changer is the answer for a changer that "the kids can't ruin". 115 volts AC 60 cycles. Base 12 1/2" wide, 10 1/2" deep. Height 5 1/2" above, 2 1/2" below base. Ship. wt. 18 lbs.
A90LX100 BSR.....Only \$5 Monthly, Net 22.50
A91L205 Mounting Board for BSR.....Net 1.98
A91LX200 Base for BSR.....Net 3.95
A91L001 Automatic 45 RPM Spindle.....Net 2.19

Own It Now! Use Radio Shack's New Easy Budget Plan—See Page 3

Thorens TD-134 Manual Table



\$59⁹⁵

- 4-Speed
- Feather-Smooth
- Precision Adjustment
- For All 4 Speeds

Has "Dial-o-matic" 4 speed turntable with a tone arm that out-tracks expensive separate arms. Speed adjustable while turntable is operating. Allows starting with stylus resting on table for maximum life. Stereo wired arm. Outstanding value for budget-minded hi-fi enthusiasts. Mirror-finish machining eliminates every trace of groove-gouging vibration. Ship. wt. 18 lbs.
A15CX274.....Only \$5 Monthly, Net 59.95
A15CX277 Walnut Base for TD-134. Ship. wt. 3 lbs.....Net 6.00
A15CX462 Mahogany Base for TD-134. Ship. wt. 3 lbs.....Net 6.00
A15CX443 Blond Base for TD-134. Ship. wt. 3 lbs.....Net 6.00

Stromberg-Carlson PR-500

- Twin Motored Turntable and Tone Arm!
- 3 1/2 RPM Dual-Drive
- Precision Machined

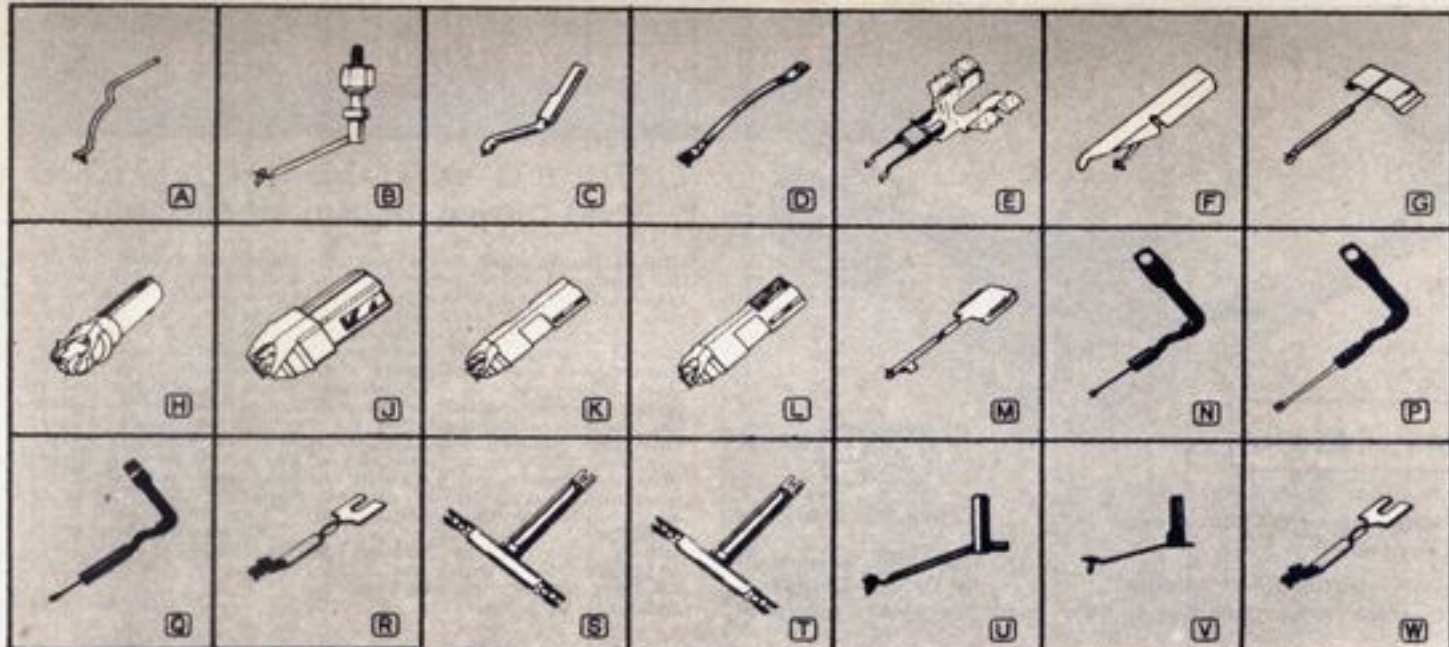
\$69⁹⁵



A dual-drive system with two hysteresis-synchronous motors operating in tandem through one belt drive. Any variations in speed are automatically compensated for by the interaction of the two motors and the impregnated belt. Rumble and noise are virtually eliminated by the belt drive and unique suspension system. Original specifications will not change over the life of the table. Comes complete with AC plug and two shielded pin plug leads. 14 1/2" W. x 14 1/2" D. 2 1/2" above 2 1/2" below mtg. board. Ship. wt. 18 lbs.
A15CX400 PR-500.....Only \$5 Monthly, Net 69.95
A15CX412 Ebony Base for PR-500.....Net 5.95

Mail Order Address: Radio Shack Corp., 730 Commonwealth Ave., Boston 17, Mass.

RADIO SHACK • 67



REALISTIC

DIAMOND NEEDLES

FULL 2 YEAR WRITTEN GUARANTEE



- High Quality Styli—Low Cost!
- All Types—Stereo and Monaural

Made according to rigid Radio Shack "Realistic" specifications every needle provides greatest economy and lasts 20 times as long as equivalent sapphire needles. Up to 1,000 hours playing time. If your needle type is not listed, send us your old needle and we will promptly send you the correct replacement. Our unlisted stock of needles is large and varied.

REALISTIC DIAMOND NEEDLE SUFFIX CODE

- LP—.001 Mil Styli (LP) Diamond
- SD—Diamond LP Sapphire Std.
- XD—.0007 Mil Stereo Diamond
- XSD—Stereo Diamond Sapphire Std.
- X—Preceding Suffix indicates .7 Mil Stereo needle

REALISTIC DIAMOND NEEDLES

| Needle No. | Figure | Cartridge No. | Price |
|------------|--------|--|-------|
| JPS-30LPD | A | RCA 75044, 76257, 988370-1, Shure P75, P80, W20E, W21F | 2.98 |
| M74LPD | B | RCA 74625, 75575, 76318, Astatic 408 | 2.98 |
| J-252D | C | 79895, 79850 | 2.98 |
| M-76XD | D | 106770, 106771, 106960, 108213 Stereo | 2.98 |
| JPS-365D | E | Shure P 17, B, 91; PC 12, 31; W9; WC10; M44; PC 14, 51; Magnavox 560177-1, 560188-1, 2 | 2.98 |
| JPS-40XD | F | Shure M7D Stereo | 5.99 |
| F98XD | G | EV 26T 1D5T, M5T, 5T, MOST1, Stereo | 2.98 |
| E-365D | H | EV 56, 56DS | 4.99 |
| E-375D | J | EV 76, 76DS | 4.99 |
| A-415D | K | EV 81, 81DS | 4.99 |
| A-445D | L | EV 13, 13DS Stereo | 5.99 |
| CRA-57XD | M | BSR TC-85, TC-85H Stereo | 2.98 |
| CRA-57LPD | M | Ronette DC-442, DC-500 | 2.98 |
| S-665D | N | Sonotone 2T 1S, D, 1B, 1N1 W9980 1S, D1 | 2.98 |
| S-615D | P | Sonotone 3T 1S, D, 1B1 | 2.98 |
| S-71XSD | Q | Sonotone 8TA-45, 8TA-45D, 8TA-4D | 2.98 |
| G-1D | S | GE RPX 1040A, 041A, 047, 047A, 050, 050A, 051, 052, 052A, 053, 053A, 061A, 063A, 145, 146, 147, UFX-111 Head | 2.98 |
| G-13SD | T | Same as above | 2.98 |
| CRA-55XD | U | Astatic 78TB, 80TS, 80TS-TR | 2.98 |
| A-75LPD | U | Astatic AC-D U, M1, AC-D-1 U, M1, AC-D-2 U, M1, AC-D-C U, M1, AC-D-C-1 U, M1, AC-D-C-2 U, M1, 90T U, B, S1-40 IT, B1 | 2.98 |
| CRA-55LPD | W | Astatic 310T, 312T, 420TS, Magnavox 560180-2, 560209-1, 2 Ronette Cartridges 222 07825, 9655, FF1; 284 IOV, P, 2221, 400 IOV, P, 2221, DT-60 IOV, P, 2221, OV 16045, 9121, FF1, P1 19234 FF1, Studio 101, P1 | 2.98 |

\$2.98 EACH AND UP

REALISTIC SAPPHIRE NEEDLES

| Needle No. | Figure | Cartridge No. | Price |
|------------|--------|---|-------|
| S-66 | N | Sonotone 2T, 7T, W9980, RCA 78748 | 1.27 |
| S-61 | P | Sonotone 3T | 1.27 |
| S-71X | Q | Sonotone 8TA-45 | 1.27 |
| CRA-55LP | R | Ronette TO-284, Series TD-222, TO-400, 7447, DT-60 | 1.27 |
| G-1 | S | GE RPX 1040A, 041A, 050, 050A, 051, 051A, 052, 052A1 | 1.27 |
| G-13 | T | GE RPX 1040A, 041A, 047, 047A, 050, 050A, 051, 051A, 052, 052A, 053, 053A, 061A, 063A, 145, 146, 1471 | 2.49 |
| M74LP | B | RCA 76318, 77779 | 1.27 |
| JPS-30LP | A | Shure P30, P37, P67, P70, P71, P72, P72V, P73, P76, P76V, P77, P79, P81, PAD, P85, P88, P89, P94, PN30, PC41V, PC42 | 1.27 |
| A-75LP | U | Astatic AC U, M1, AC-R U, M1, AC-C U, M1, 40-11, 41-1, 42-1 | 1.27 |
| A-67LP | V | Astatic 62-1 U, M1, 66-1 1M, 68-1 1M, O1 | 1.27 |
| CRA-55X | W | Astatic 78TB, 80TS, 80TS, TN | 1.27 |
| A81LP | X | Astatic CAC-D U, M1, LGD, U, M, B, 11, 44TA, 62 IT, T4, TB1 | 1.27 |
| A-41 | K | Astatic 81T, 81TX | 1.99 |
| A-44X | L | Astatic 13T, 13TB, 13TBX, 13TX, stereo | 3.50 |
| CRA-55 | R | Astatic 310T, 312T, 314TS, 420TS, 422TS, 424TS, 426TS, Ronette DT-600V, MT 67-3, DT60 1P, 222, 2, OV1, RA-284 IOV, P1, RA-395 | 1.27 |
| E-98X | G | EV 26T 1M5T, 5T, MD5T1 | 1.27 |
| E-36 | H | EV 56 | 1.99 |
| E-37 | J | EV 76 | 1.99 |
| CRA-57X | M | BSR TC85, TC85H stereo | 1.27 |
| J-252 | C | RCA 79895, 79850 | .89 |

MICRONTA Stylus Microscope with 50X Magnification!

Mfrs. List \$3.00

\$1.95



Includes Leather Case!

A971521 Ship. wt. 4 oz. Net 1.95

WEBCOR

HIGH-FIDELITY STEREO DISKCHANGER AND ACCESSORIES

- Counter Balanced Tone Arm
- Jam Proof Mechanism
- On-Off Reject Switch
- Anti-Rumble Rib

Changers and Accessories

WEBCOR "CUSTOM" STEREO DISKCHANGER—Has two plug-in heads that accommodate most cartridges, 1" wiring or pins for cartridge lock-up.

A15CX178 TR1041-27. Ship. wt. 15 lbs. Net **44.20**

WEBCOR "CUSTOM" STEREO DISKCHANGER—Has GE Stereo magnetic VR-227 cartridge and a .7 mil diamond stylus.

A15CX177 TR-1041-21. Ship. wt. 15 lbs. Net **60.60**

WEBCOR "IMPERIAL" STEREO DISKCHANGER—Has two plug-in heads, top of tone arm counter balance, and a 4-coil, 4-pole motor.

A15CX176 TR-1031-27. Ship. wt. 15 lbs. Net **49.38**

WEBCOR TR-1031-21—Same as TR-1031-27, but with Shure Stereo Magnetic Cartridge (M-7D) and .7 mil diamond stylus.

A15CX175 TR-1031-21. Ship. wt. 15 lbs. Net **67.05**

A-1937-T—Brown base pan 1031, 1041 series.

A15CX181 Ship. wt. 5 lbs. Net **7.25**

A-1938—Mounting board for 1031, 1041 series.

A15CX182 Ship. wt. 2 lbs. Net **2.50**

A-1930—45 RPM spindle for series 1000.

A15CX183 Ship. wt. 1 lb. Net **3.75**

\$27⁹⁵



"Standard"

Diskchanger

A high quality, precision diskchanger with all the features which make Webcor the first choice for stereo systems, or for conversion of outdated phonographs. The sturdily constructed mainplate has scientifically designed ribs that absorb vibration and make rumble negligible. The heavy turntable has an extra long turntable bearing that reduces rumble and wow to the bare minimum. The rubber mat prevents slip-page and cushions the records. Webcor's new straight spindle prevents double record drop, and prevents enlarging of the record hole. The changer plays all size records on all four speeds. Also plays both stereo and monaural. 33 $\frac{1}{3}$ RPM 10" and 12" records may be intermixed. With the counter-balanced tone arm, stylus pressure can be varied from 5 to 11 grams. The tone arm is free swinging, and has adjustable stylus set-down. The precision set-down and feather light tracking of the light weight tone arm protects records, insures perfect reproduction. The "Torsion Spring" action permits moving the tone arm at any time without damaging the changer. The on-off reject switch permits manual record play without causing an automatic change cycle. Changer automatically shuts off after last record has played. Has ceramic stereo cartridge and .7 mil sapphire for microgroove, and .3 mil sapphire for 78 RPM records. Ship. wt. 15 lbs.

A15CX179 TR-1041-50. \$5 Monthly, Net **27.95**

A15CX180 As above with .7 mil. Diamond. Net **31.47**



Highest Quality, Famous Manufacturer
Stereo-Monaural Diamond Needles!



- Never Before Sold Below Regular List Price!
- Huge Savings! Up to 50% and Better!
- Fully Guaranteed by the Manufacturer!

\$4⁹⁵ and up

Sorry! We promised not to mention the name of this renowned manufacturer—but once you receive your purchase, you'll recognize the famous name immediately!

| Car. No. | Figure* | Cartridge No. | Net Price |
|----------|---------|---|-----------|
| A15C070 | N | Sonotone 2T IS, D, 18, INI, W9980 IS, DI, Magnavox 560161-2, 2 | 4.95 |
| A15C053 | S | GE, RFX 1040A, 041A, 047, 047A, 050, 050A, 051, 051A, 052, 052A, 053, 053A, 061A, 063A, 145, 146, 147, UPX-111, head | 4.95 |
| A15C054 | T | Same as above | 4.95 |
| A15C055 | W | Astatic 310T, 312T, 420TS, Magnavox 5610180-2, 560209-1, 2, Ronette 222 0825, 9655FF, 284 IOV, P 222, 400 IOV, P, 222, DT-60, IOV, P, 222, OV 16045, 9121, FF, P 19234FF, Studio IO, P1 | 4.95 |
| A15C056 | P | Sonotone 3T IS, D, 18 | 4.95 |
| A15C057 | A | RCA 75044, 76257, 988370-1, Shure P75, P80, W21E, W21F | 4.95 |
| A15C058 | E | Shure P 7, 8, 9i, PC 12, 3i, W9, WC-10, MC-44, PC 14, S1, Magnavox 560177-1, 560188-1, 2 | 4.95 |
| A15C059 | Q | Sonotone 8TA-45, 8TA-45D, 8TA-4D, Stereo | 4.95 |
| A15C060 | G | Electro-Voice 26T IDST, MST, ST, MDST Stereo | 4.95 |

| Car. No. | Figure* | Cartridge No. | Net Price |
|----------|---------|--|-----------|
| A15C061 | M | BSR TC-85, TC-85H, Stereo | 4.95 |
| A15C062 | M | Ronette DC-442, DC-500 | 4.95 |
| A15C063 | W | Astatic 76T8, 80T5, 80T5-TR | 4.95 |
| A15C064 | D | RCA 106770, 106771, 106960, 108213 Stereo | 4.95 |
| A15C065 | U | Astatic ACD U, M, ACD-1 U, M, ACD-C-2 U, M, 90T U, B, S1, 40 T, B1 | 4.95 |
| A15C066 | B | RCA 74625, 75575, 76318, Astatic 408 | 4.95 |
| A15C767 | H | EV 56, 56DS | 5.86 |
| A15C768 | J | EV-76, 76DS | 5.86 |
| A15C067 | K | EV-81, 81DS | 5.86 |
| A15C068 | L | EV-13, 13DS | 7.62 |
| A15C069 | C | RCA 79875, 79850 | 4.95 |

*Refers to illustrations on preceding page

Check the Index for More Hi-Fi Values

Now There Are 4 Big Radio Shacks in Massachusetts and Connecticut

www.RadioShackCatalogs.com

RADIO SHACK • 69

Limited Quantity Sale! Famous Hi-Fi Cartridges!



8.88



2.99



6.90

SONOTONE 8TS17 DIAMOND STEREO CARTRIDGE—These Sonotone stereo diamond cartridges come complete with instructions and hardware. Play all stereo and monaural records at all speeds with the dual flip-under assembly. Response 20-20,000 cps, tracking pressure 6 grams, 20 db channel separation. Output voltage 0.3. Low cost, high quality.

A91L055 Ship. wt. 1/4 lb. Net **8.88**

SONOTONE MODEL 2T5—For all mono phonographs. This low priced unit is an excellent turnover replacement for any monaural phono or changer. It is the most popular ceramic model made. Response is 30 to 15,000 cps, 1 volt output. Comes with sapphire stylus. Mounting centers are standard 1 1/2" apart. Buy one as a spare for later.

A91L062 Ship. wt. 1/4 lb. Net **2.99**

G.E. GC-7 DIAMOND STEREO CARTRIDGE—Before discontinued, this famous-name "Golden Classic" stereo cartridge sold for over 3 times the Radio Shack price. Ideal replacement for any record changer. Has very high compliance, effective channel separation, low stylus wear. Plays both stereo and mono records. Includes diamond needle.

A15C891 Ship. wt. 1 lb. Net **6.90**

\$2 Down



16.50

\$5 Monthly



29.85

\$5 Monthly



24.00

Pickering Magnetic Cartridges

NEW! PICKERING STEREO 90 CARTRIDGE—Now available! From Pickering, one of the first developers of practical stereo, a fine quality, diamond stylus in a magnetic cartridge for less than \$20. This amazing cartridge contains the easily replaceable "T-guard" stylus assembly, push-pull circuit, and hum bucking coils. Yet this precision instrument sells for only \$16.50. Installs in either automatic changers or manual players.

COLLECTORS SERIES 380 CARTRIDGE—For the discriminating collector. Utilizes exclusive "V-guard" stylus assembly for easy replacement. Hermetically sealed and fully encapsulated in a gold plated mu-metal case for a lifetime of trouble-free and hum-free performance. Completely compatible for all records, stereo or mono. Miniature design, fits all pickup arms, manual or automatic.

PICKERING Mk II CARTRIDGE—Outstanding for quality control. Choice of leading recording companies for quality control of masters and pressings. Installs in all tone arms and record changers with standard 1/2" mountings. Will reproduce all micro-groove records, both stereo and mono. Contains the easily replaceable "T-guard" stylus assembly. Assures the finest performance.

SPECIFICATIONS: Frequency response is smooth from 30 cps to 15 kc. Output is 8 millivolts per channel, channel separation 20 decibels, tracking force 4 to 6 grams, total weight 9 grams. Complete with diamond stylus, all mounting hardware, and detailed installation instructions. Pickering's superior craftsmanship provides remarkable reproduction.

A15C755 Stereo 90. Ship. wt. 1 lb. **16.50**
A15C756 D-9007, Diamond Repl. Stylus 9.90

SPECIFICATIONS: Frequency response: ±2 db, 20 cps to 15 kc. Output; 15 millivolts per channel. Channel separation; 35 db, tracking force; A type 2-5gr., C type 4-7 gr. Ship. wt. 1 lb.

A15C751 380C Chgr. Type Cart. Net **29.85**
A15C752 380A Manual Type Cart. Net 34.50
A15C753 Dia. Repl. Styl. 380C. Net 15.00
A15C754 Dia. Rep. Styl., 380A. Net 19.65
A15C757 381A, Col. Stand Model. Net 48.00

SPECIFICATIONS: Frequency response: ±2 db, 20 cps to 15 kilocycles. Output: 10 millivolts per channel, channel separation 20-25 db. Tracking force; Mk II A-2-5 gr., Mk II C-4-7 gr. Includes stylus, instructions, hardware.

A15C187 Mk IIC Changer type. Net **24.00**
A15C189 Mk IIA Manual type. Net 26.40
A15C340 Dia. Stylus for Mk IIC. Net 12.00
A15C431 Dia. Stylus for Mk IIA. Net 14.40

\$2 Down



14.95

\$5 Monthly



23.52

\$5 Monthly



44.10

G.E. STEREO CARTRIDGES—VR-22, VR-11. VR-22 cartridges—GE's masterpiece. Tracks precisely, no stiffness. Up to 30 db channel separation. Smooth, flat response from 20 cps to 20 kc. Triple shielded against stray currents. VR-11 cartridges are variable reluctance with clip-on styli. Nu-metal shielding, anti-hum coils, 4-grams pressure, 20-20,000 cps response. VR-11 cartridges have 4G as 1st letter type no. 4G-050 & 052 are dual stylus, all other 4G's are single. High quality. Ship. wt. 1 lb.

SHURE MODEL M7D STEREO CUSTOM DYNETIC CARTRIDGE—Developed for use in all hi-fi applications. For magnetic and constant velocity inputs. Completely compatible. Plays stereo and mono and stereo discs monaurally. Little wear, no distortion. Low needle talk, low tracking forces, wide range frequency response. No magnetic attraction to steel turntables.

SHURE MODEL M3D STEREO PROFESSIONAL DYNETIC CARTRIDGE—Developed to use in every high fidelity application. Designed to connect into magnetic and constant velocity inputs. Completely compatible. Plays stereo and monaural. No excessive wear, no distortion. Offers same features as the Studio and Professional Dynetics. High needle compliance, low needle talk, low tracking force, no magnetic attraction to steel turntables.

| Cat. No. | Type | Stylus | Net |
|----------|--------|-----------------|-------|
| A15C240 | VR-227 | .0005 diam. | 14.95 |
| A15C241 | VR-225 | .0007 diam. | 16.95 |
| A15C901 | 4G050 | .001, .003 sph. | 9.75 |
| A15C902 | 4G052 | .001 diam. | 19.55 |
| A15C906 | 4G040 | .003 sph. | 7.35 |
| A15C907 | 4G041 | .001 sph. | 7.35 |
| A15C908 | 4G063 | .003 diam. | 17.59 |
| A15C909 | 4G061 | .001 diam. | 17.59 |

GE REPLACEMENT STYLI

| Cat. No. | Type | Stylus | For | Net |
|----------|--------|-------------|--------|-------|
| A15C898 | VR-221 | .0005 diam. | VR-225 | 11.95 |
| A15C899 | VR-222 | .0007 diam. | VR-227 | 9.95 |
| A15C919 | 4G010 | .001 diam. | VR-11 | 9.95 |

SPECIFICATIONS: Frequency response: to 15,000 cps. Output voltage; 5 mv per channel, channel separation more than 20 db at 1000 cps. Tracking force 4-7 grams. Number N7D stylus with .0007" diamond tip. Mounts on standard 1/2" mounting centers. With #2 screws, can use .437 mounting centers.

A15C215 M7D Stereo Cart. Net **23.52**
A15C218 Diam. Stylus for N7D. Net 11.76

SPECIFICATIONS: Frequency response: 20-15,000 cps., ±3 db. Output voltage; 5 mv per channel at 1000 cps. Channel separation more than 20 db at 1000 cps. Tracking force 3 to 6 grams. Stylus number N3D, .0007" diamond, 4 term., ind. grounds to ea. chan. 1/2" mtg. ctrs.

A15C332 M3D Stereo Cart. Net **44.10**
A15C238 N3D Diam. Stylus/M3D Net 22.05
A15C208 M5D Monaural Cart. Net 26.95
A15C209 N5D Diam. Stylus/M5D Net 16.17

Crystal & Ceramic Replacement Cartridges

ASTATIC



(A) ASTATIC SOUND FLO STEREO CARTRIDGES— Completely compatible; play monaural and stereo equally well. 4-terminal contacts provide complete electrical isolation between channels, minimizing hum in AC-DC amplifiers. Mount on any standard arm. 25 db channel separation, 2 ceramic elements, 0.5V output, 20-15,000 cps response, 5 to 7 grams tracking force. Ship. wt. 4 oz.

| Cat. No. | Type | 0.7 mil Tips ¹ | 3 mil Tips ¹ | Net |
|----------|--------|---------------------------|-------------------------|------|
| A15C885 | 1177 | 2 | 0 | 4.09 |
| A15C897 | 1178 | 2 | 0 | 4.67 |
| A15C886 | 13T | 1 | 1.5 | 4.09 |
| A15C887 | 13TX | 1 | 1.5 | 9.11 |
| A15C889 | 13TB* | 1 | 1.5 | 4.67 |
| A15C890 | 13TBX* | 1 | 1.5 | 9.70 |
| A15C873 | 13AT | | | 4.67 |
| A15C874 | 13ATX | | | 8.20 |
| A15C875 | 9-78 | | | 4.26 |
| A15C876 | 9-78X | | | 7.79 |

*With holder

¹S—sapphire, D—diamond

(B) ASTATIC SOUND FLO CARTRIDGES— Wide range plug-in cartridges for original equipment and direct replacement. Codes: T—Turnover (dual stylus), B—bracket, X—LP diamond. Ship. wt. 4 oz.

| Cat. No. | Type | Net |
|----------|--------|------|
| A15C210 | 81-TB | 2.91 |
| A15C310 | 81-T | 2.32 |
| A15C312 | 81-TX | 7.35 |
| A15C211 | 81-TXB | 7.94 |
| A15C212 | 83-1 | 2.06 |
| A15C213 | 83-1X | 7.06 |
| A15C318 | 89-T | 2.91 |
| A15C214 | 89-TB | 3.50 |
| A15C323 | 89-TX | 7.94 |
| A15C225 | 89-TBX | 8.53 |

(C) ASTATIC HIGH OUTPUT STEREO CARTRIDGES— For direct stereo replacements, conversion from mono to stereo in stereo replacements, conversion from mono to stereo in stereo replacements, conversion from mono to stereo in stereo replacements. Model 70-TS—Stereo conversion for monaural Astatic 120-TS, Ronette TO-400-22, V-M7447A and 151525NB in V-M changers.

A15C333 70-TS Ship. wt. 4 oz. Net 4.26
Model 74-TS—Converts Astatic 314-TS monaural cartridge to stereo.

A15C337 74-TS Ship. wt. 4 oz. Net 4.26

Model 76-TS—complete with mounting bracket for conversion in tone arms having mounting bosses on 1/16"-1/8" centers. Direct stereo replacement for BSR TC-85, Vaco ST100, Ronette T1 and OV1. A15C347 76-TS Ship. wt. 4 oz. Net 4.67

(D) ASTATIC HI-FI CERAMIC CARTRIDGES LP (33 1/3-45) CARTRIDGES

| Cat. No. | Type | Tip ¹ | V. | Model | Net |
|----------|------|------------------|-----|-------|------|
| A15C291 | 40-1 | S | 1.0 | AC-J | 3.81 |
| A15C309 | 40B | S | 0.8 | 40B | 2.62 |

UNI-TIP CARTRIDGES

| Cat. No. | Type | Tip ¹ | V. | Model | Net |
|----------|------|------------------|-----|---------|------|
| A15C292 | 40-2 | S | 1.0 | AC-AG-J | 3.82 |
| A15C273 | 22 | ** | 3.0 | L-29 | 2.32 |
| A15C276 | 66-2 | 0 | 2.4 | 66-2M | 2.91 |

¹S—sapphire, **optional. Single needle for all speeds, grooves, 0—osmium

(E) ASTATIC ALL-GROOVE SINGLE NEEDLE CARTRIDGES— Play 78, 45, and 33 1/3 RPM. Have 2 mil needle for standard and microgroove. Rochelle salt elements unless noted. Avg. ship. wt. 4 oz.

| Cat. No. | Type | Replaces | V | Net |
|----------|-------|--|-----|------|
| A15C354 | 51-2* | Aster, RCA-EV, Shure Web., Sonotone, V-M | 0.7 | 4.35 |
| A15C340 | 53-2 | Sonotone | 0.7 | 4.35 |
| A15C355 | 60-2* | LT4-AG | 2.0 | 4.12 |
| A15C374 | 106 | Webster | 3.5 | 2.91 |

*Ceramic element. ¹Sapphire Needle

(F) ASTATIC TURNOVER TWO NEEDLE CARTRIDGES—For 78, 45 and 33 1/3 RPM records. Direct replacement in most popular players. Ceramic elements immune to temperature and humidity. Others are Rochelle Salt. Sapphire needles 1, 3 mil. Avg. ship. wt. 4 oz. *Ceramic.

| Cat. No. | Type | Replaces | Volts | Net |
|----------|--------|--|-------|------|
| A15C299 | 40-T | ACD-J, RCA, Ronette Shure, Webster | 1.0 | 4.09 |
| A15C265 | 40-TB | ACD-2J, EV, Philco, Shure, 1113, Webster | 1.0 | 4.97 |
| A15C267 | 41-T* | ACD-2J, EV, Shure, V-M, Webster | 0.6 | 5.59 |
| A15C269 | 41-TB* | ACDC-2J, EV, V-M | 0.6 | 5.88 |
| A15C364 | 53-T* | Sonotone | 0.7 | 4.67 |
| A15C341 | 55-T* | GCD, Sonotone | 0.7 | 4.67 |
| A15C365 | 57-T* | Webcor | 0.7 | 5.59 |
| A15C368 | 62-TY | LGD, 11B | 1.0 | 4.67 |
| A15C367 | 64-TS | 64-TMS, Ronette | 3.0 | 4.09 |
| A15C371 | 66-TS | 66-TMS, Philco, V-M | 3.0 | 4.26 |
| A15C375 | 66-TY | 66-TMY, LT401, 123, 143D, Philco, V-M | 3.0 | 3.82 |
| A15C376 | 118TS | Webster, V-M, Ronette, Philco | 0.75 | 3.79 |
| A15C377 | 405 | Webster F21 | 3.0 | 4.67 |
| A15C389 | 406 | Webster F22 | 3.0 | 4.67 |
| A15C390 | 409 | Admiral 409A11 | 0.7 | 5.59 |
| A15C551 | 410 | RCA 75475 | 0.8 | 3.82 |
| A15C552 | 424TS | Webster B-A200 | 3.0 | 3.82 |
| A15C553 | 426TS | Webster A204 | 3.0 | 4.41 |

(G) ASTATIC MICRO-GROOVE SINGLE NEEDLE: High quality single needle cartridges for 33 1/3 and 45 RPM records. All contain 1 mil sapphire needle. Rochelle salt element. Avg. ship. wt. 4 oz.

| Cat. No. | Model | Replaces | Volts | CPS | Net |
|----------|-------|---|-------|-----------|------|
| A15C375 | G2-1 | RCA | 3.0 | 50-5,000 | 2.91 |
| A15C301 | 414-1 | American, EV, Philco, RCA, Ronette, V-M | 3.0 | 30-11,000 | 2.62 |

(H) SONOTONE 8TA STEREO CARTRIDGE. Plays all speeds stereo and monaural. Flip-under dual needle assembly. Output voltage 0.3 Recommended load 2 megohms/100 mmfd (each channel). Tracking pressure 6 grams. Cartridge weight 7.5 grams. Channel isolation 20 db. Uniform response 20-20,000 cps.

| Cat. No. | Sonotone | 0.7 mil Tip | 3 mil Tip | Net |
|----------|----------|-------------|-----------|-------|
| A15C941 | 8TA-45 | 1.5 | 1.5 | 8.70 |
| A15C942 | 8TA-45D | 1.5 | 1.5 | 10.50 |

(J) SONOTONE HI-FI CERAMICS TYPE 3T-5 CARTRIDGE—Frequency response 20-20,000 cps. Compliance 2 x 10⁻⁶ cm/dyne. Tracking force 6 grams, output V 0.5v, 1 and 3 mil sapphire dual.

A15C489 Sonotone 3T-5.....Net 7.50

A15C502 3T-5D Dia./Saph.....Net 11.10

(K) TYPE 2T-5 DUAL-TIP CARTRIDGE—For Columbia and other phonos, 9 grams tracking force, 1V output, 1-5 meg recommended load, wt. 5.5 grams.

A15C505 2T-5D Dia./Saph.....Net 13.20

(L) LOW-PRICED CERAMIC CARTRIDGE— Fully compatible stereo turnover cartridge. Flat response over entire recording range. Installs in any tone arm. Ship. wt. 10 oz. 10T2-S, .7 and 3 mil saph. 10T2-SD, .7 dia., 3 mil saph.

A15C302 10T2-S.....Net 3.87

A15C303 10T2-SD.....Net 8.37

(M) 9T-5 STEREO TURNOVER CARTRIDGE—Smooth response 20-20,000 cps, flat to 15,000. .25V output, tracking pres. changers 3-5 gr., pro. arms 2-4 gr.

A15C445 9T-5, .7 & 3 mil saph. Net 9.90

A15C446 9T-577, 2-7 mil saph. Net 9.90

A15C447 9T-5D, .7 dia., 3 mil saph. Net 11.70

Electro-Voice



(M) COMPATIBLE STEREO CARTRIDGES— Magnameric 31 models replace conventional cartridges directly. Avg. ship. wt. 10 oz.

Model 31MD-5: For magnetic phono inputs with .5 mil dia. stylus; transcription tone arms. Plays all types.

A15C760.....\$5 Monthly, Net 23.52

Model 31MD-7: As above, but has .7 mil dia. for changer arms.

A15C944.....\$5 Monthly, Net 23.52

STANDARD MODELS FOR HIGH-IMPEDANCE CERAMIC INPUTS.

Model 31D-5: .5 mil dia. stylus for trans. arms. Plays all records.

A15C904.....\$5 Monthly, Net 22.05

Model 31D-7: As above, .7 mil dia. stylus for changer arms.

A15C905.....\$5 Monthly, Net 22.05

(N) "POWER-POINT" CARTRIDGES—Uses 2 styli connected directly to ceramic elements. Avg. ship. wt. 10 oz.

| Cat. No. | Type | Description | Net |
|----------|-------|-----------------------|------|
| A15C467 | 60 | Replacement Cart. | 2.91 |
| A15C881 | 61 | Stereo Cart. | 3.51 |
| A15C882 | 61D5 | Stereo Cart. | 7.62 |
| A15C879 | 66 | Stereo Cart. | 3.51 |
| A15C880 | 66D5 | Stereo Cart. | 7.62 |
| A15C761 | 51-1 | Power Point Cart. | 2.32 |
| A15C764 | 53-3 | Power Point Cart. | 2.32 |
| A15C762 | 52-2 | Power Point Cart. | 2.32 |
| A15C763 | 56 | Power Point Cart. | 2.32 |
| A15C767 | 56D5 | Power Point Cart. | 5.86 |
| A15C768 | 76D5 | Power Point Cart. | 5.86 |
| A15C770 | 765 | Power Point Cart. | 2.32 |
| A15C765 | PT-1 | Power Pt. Mtg. Acces. | .59 |
| A15C769 | PT-2 | Power Pt. Mtg. Acces. | .59 |
| A15C883 | PT-3 | Power Pt. Mtg. Acces. | .59 |
| A15C884 | PT-3 | Power Pt. Mtg. Acces. | .59 |
| A15C458 | 21-5 | Stereo iSaph Cart. | 5.70 |
| A15C459 | 21M5 | Stereo iSaph Cart. | 7.50 |
| A15C460 | 21M5T | Stereo iSaph Cart. | 8.10 |
| A15C461 | 21ST | Stereo iSaph Cart. | 6.30 |

REK-O-KUT

TONE ARMS, TONE ARMS & KITS



\$5 Monthly

\$29⁹⁵

All New Professional Tone Arm

Here's advanced design—complete with pre-assembled, color-coded cabling and plugs firmly anchored in the arm itself. Drop into mounting hole and it's ready to play! Unique MICRO-POISE Dynamic Balance Control assures accurate static and dynamic balance and perfect stylus pressure setting. Precision 1 mm. ball bearing in "gyro-gimbal" design insures lowest vertical and lateral motion of any arm. Counterweight acoustically isolated for lowest arm resonance. New slide adjustment for perfect positioning of cartridge in removable shell. 4-wire system eliminates hum. All aluminum construction.

- A15C963 5-220 12" Ship. wt. 2 lbs. Net 29.95
 - A15C964 5-260 16" Ship. wt. 2 lbs. Net 34.95
 - A15C965 PS-20L Extra Plug-in Shell Net 5.95
- OTHER FAMOUS REK-O-KUT TONE ARMS:
- A15C969 5-120, 12" Stereo/Monaural Arm, wt. 2 lbs. Net 27.95
 - A15C970 5-160, 16" Stereo/Monaural Arm, wt. 2 lbs. Net 30.95
 - A15C971 PS-20, Extra Plug-in Shell Net 5.95



\$5 Monthly

\$59⁹⁵

Test-Lab Rated Stereotable

Outstanding 2-speed stereotable rated "tops" by experts. Latheturned, balanced, solid cast aluminum table. Powerful 4-pole induction motor with "center-idler" drive that practically eliminates vibration. Slide-shift lever for quick speed change. Noise level 47 db below average recording level. Retractable hub for 45 rpm. Size: L to R, 16 1/2"; front to back, 16 1/4". Height above deck 3"; below, 5 1/4". Ship. wt. 15 lbs.

- A15CX597 L-34 33 1/3 & 45 rpm speeds. \$5 Monthly Net 59.95
- A15CX594 L34H Same as Above with Hysteresis Motor Net 79.95
- A15CX598 L37 33 1/3 & 78 rpm speeds. \$5 Monthly Net 59.95
- A15CX595 L37H Same as L37 with Hysteresis Motor Net 79.95



\$69⁹⁵

\$5 Monthly

Hysteresis Turntable

A stereotable with the famous synchronous motor—and at a modest price! This single-speed 33 1/3 rpm table uses a special endless woven fabric belt, held to a tolerance of ±.001. Noise level is 53 db below average recording level, exceeding professional broadcast standards. Assures lowest noise and accurate speed at all times. Solid aluminum turntable, latheturned and dynamically balanced. Dimensions: 17 1/2" x 16 1/2". Height above deck 3"; below, 4". Pre-drilled for Rek-O-Kut arm. Ship. wt. 17 lbs.

A15CX974 N33H \$5 Monthly Net 69.95

A Message from Radio Shack Engineers

Turntables are designed to eliminate "rumble"—an annoying noise heard in the speakers caused by record changer motors. They also assure better sound quality, less record wear, correct stylus pressure and minimum tracking error.



\$139⁹⁵

\$7 Monthly

Deluxe 3-Speed Table

The finest turntable that Rek-O-Kut builds! Used in countless broadcast studios throughout the world. It utilizes a heavy-duty hysteresis motor, exclusive with this table. Specifications: 33 1/3, 45, 78 rpm speeds. Wow exceeds NARTB specs of 0.2%. Noise and rumble better than 57 db below recording level. Deep-well micro-polished main bearing. Dimensions: L to R, 17 1/4"; front to back, 16". Height above deck, 3"; below, 6 1/4". Ship. wt. 20 lbs.

- A34CX106 B12H \$7 Monthly Net 139.95
- A15CX972 B12GH, With Standard Hysteresis Motor, Ship. wt. 18 lbs., \$5 Monthly Net 99.95
- A15CX596 B12, With 4-Pole Induction Motor, Ship. wt. 18 lbs. \$5 Monthly, Net 84.95

- BASES FOR REK-O-KUT TABLES, wt. 8 lbs.
- A15CX037 BW, Walnut Base, All Models 19.95
 - A15CX038 BU, Unfin. Base, All Models 10.95
 - A15CX039 LU, Unfin. Base, L Series 8.95
 - A15CX040 KU, Unfin. Base, K Series 8.95



\$49⁹⁵

\$5 Monthly

Save! Stereotable Kit!

Save money! Build your own Rek-O-Kut 33 1/3 rpm hysteresis stereotable. Takes approximately 30 minutes to assemble. Has precision hysteresis synchronous motor with noise level 52 db below average recording level. Custom-made precision fabric belt. All necessary adjustment to assure smooth constant speed performance for many, many years of use. Turntable of solid aluminum, latheturned and dynamically balanced. Deep-well main bearing is micro-polished and self-lubricating. Ship. wt. 15 lbs.

- A15CX933 K33H \$5 Monthly Net 49.95
- A15CX973 K33, With 4-Pole Induction Motor, Ship. wt. 14 lbs. Net 39.95

- REK-O-KUT MOTOR BOARDS, Ship. wt. 3 lbs.
- A15CX041 M81, L Series, Unfinished 2.95
 - A15CX042 M82, K Series, Walnut 3.95
 - A15CX043 M83, L Series, White Lacq. 8.50
 - A15CX044 MK3, K Series, White Lacq. 7.95
 - A15CX045 MK1, K Series, Unfinished 4.95

FAMOUS AUDAX SPEAKER SYSTEMS



\$5 Monthly

\$59⁹⁵

Speaker System

Only 9 1/2" x 10" x 18", and a complete system in itself. Employs a high compliance 6" woofer and cone type tweeter. Response: 70-17,000 cps. Power rating: 20 watts. Ship. wt. 15 lbs.

A31CX060 \$5 Monthly, Net 59.95

Audax Speaker System

System response of 30-20,000 cps, 40 watts power, 8 ohms, 2 10" woofers, 2 tweeters. Has satin aluminum grille, genuine walnut cabinet. Wt. 30 lbs.

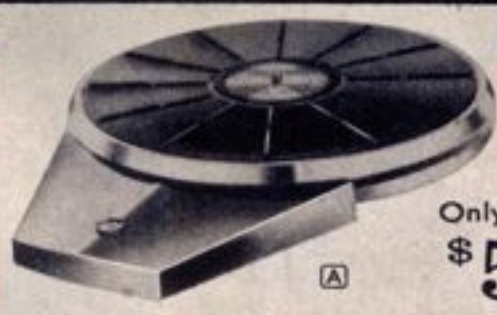
- A31CX058 CA-100H . . . \$7 Mo., Net 139.50
- A31CX059 CA-100V, Audax System with Vertical Cloth Net 139.50
- A31CX061 CA-1C, Chrome Satin Legs for Above Speakers, Ship. wt. 5 lbs. Net 7.95



\$139⁵⁰

\$7 Monthly

Professional Turntables and Players



Only \$5 Monthly
\$59⁹⁵

(A) BOGEN-PRESTO 33 1/2 RPM PROFESSIONAL TURNTABLE: Long playing stereo records are played to such perfection on the Model TT-3 that even the severest critics will be pleased. The precision hysteresis motor is the same type used in studio equipment made by Presto. The motor is the basis of a belt drive system that virtually eliminates flutter, wow and rumble, and the unique table mat gently handles playing records while providing them a perfect bed of traction. Speed accuracy is checked by a built-in strobe disc. Color finish is oxford gray, black and silver. 12"x16" (2" above and 4 1/2" below chassis.) Ship. wt. 14 lbs. A15CX278 Model TT-3.....\$5 Monthly, Net 59.95



(B) BOGEN-PRESTO 4-SPEED TURNTABLE WITH TONE ARM. Features variable speed control over entire 20-86 rpm range; quick settings for 78, 44, 33 and 16; heavy duty 4-pole motor, die-cast zinc alloy tone arm; plug-in cartridge head, 1 1/4"x1 1/2". (2 1/2" above, 2 1/4" below deck.) Ship. wt. 17 lbs. A15CX599 B-50. \$5 Monthly, Net 40.40 A15CX435 Mahogany Base for B-50 Net 4.80

(C) BOGEN-PRESTO 16" 3-SPEED TURNTABLE: Has heavy duty hysteresis synchronous motor; 33 1/2, 45 and 78 rpm speeds; 45 rpm spindle adapter; smooth, cushioned rubber mat over machined aluminum casting turntable. Black finish. 16"x8 1/2" (2" above, 4 1/2" below deck.) Ship. wt. 17 lbs. A15CX154 T-68AH. \$8.50 Mo., Net 170.00

(D) BOGEN-PRESTO 3-SPEED HYSTERESIS SYNCHRONOUS 12" TURNTABLE: 33 1/2, 45, 78 rpm speeds; planetary, inner-rim drive using separate intermediate idler for each speed. Black and gray finish. 12"x14 1/2" (2 1/2" above, 3 1/4" below chassis.) Ship. wt. 15 lbs. A15CX152 TT4....\$5 Monthly, Net 99.50 A15CX153 TT5 Same as TT4 but with Heavy Duty Motor, Wt. 15 lbs., \$7 Mo., Net 129.50 A15CX155 P-B8, Oiled Walnut Base for TT-3, TT-4, TT-5. Wt. 5 lbs. Net 18.75

(E) BOGEN MANUAL PLAYER: 4-speed player. Heavy duty 4-pole motor, professional style arm. Ship. wt. 17 lbs. A15CX206 B-60....\$5 Monthly, Net 49.95 B-61, Same as B-60 with 7 1/2" Table, A15CX207 Ship. wt. 21 lbs....Net 59.95 P-B6, Walnut Base for B-60 or B-61, A15CX217 Ship. wt. 3 lbs.....Net 5.25

THORENS

Swiss-Made, Precision-Crafted Turntables & Players



(F) THORENS 33 1/2 RPM TURNTABLE KIT. Here's top value and top performance! This precision-crafted model can be assembled in half an hour, yet it has the same fabulous machining you get on the higher priced units. Mirror-finish machining on all critical working parts insures low wow, rumble, flutter. Built-in strobe disc allows setting to exact speed. Ultra-compliant belt, plus extra large idler, provides complete motor isolation and constant speed operation. Idler automatically disengages when unit is switched off. Drive mechanism is completely enclosed no external "string"; belts or belt shields. Operates on 115 VAC, 60 cycles. Ship. wt. 21 lbs. A15CX284 TDK-101...\$5 Mo., Net 47.50 BASES FOR THORENS TDK-101. Wt. 6 lbs. A15CX283 W8K Walnut finish...Net 9.00 A15CX486 W8K Mahogany finish. Net 9.00 A15CX488 W8K Blond finish....Net 9.00

(G) THORENS ROTO-DRIVE 12" PRECISION TURNTABLE: Widely acclaimed for its handsome design and precision craftsmanship. 11 1/2 lb. table for lowest wow and flutter. 4-speed Thorens Roto-Drive is adjustable ($\pm 3\%$) for exact musical pitch. Clutch also allows starts with stylus resting on record for long noise-free record life. Built-in level bubble and easily accessible leveling screws. Provision for changing arms without leaving unsightly marks. Built-in illuminated strobe allows setting to exact speed while record is playing. 15 1/2"x12 1/2". Furnished with line cord and solder plate. Operates on 50 or 60 cycle AC., any voltage from 100 to 250 V. Ship. wt. 35 lbs. A15CX244 TD-124. \$5 Monthly, Net 99.75 BASES FOR THORENS TD-124. Wt. 5 lbs. A15CX235 WBDT Mahogany finish. Net 9.00 A15CX232 WBDT Walnut finish...Net 9.00 A15CX251 WBDT Blond finish....Net 9.00

(H) THORENS ROTO-DRIVE TD-184: Four speed turntable with integral arm, wired for stereo, and engineered for two gram tracking with high quality stereo cartridges. Everything is automatic with one dialing motor, as table starts and arm floats down into initial record groove. Adjustable piston controls lowering speed of arm. Accepts any standard stereo or monaural cartridge in five prong plug-in shell. Same precision drive as TD-124. Operates on 50 or 60 cycle AC., any voltage from 100 to 250. 15"x12"; 2 1/2" below motorboard, 3" above. Complete with line cord and two shielded pickup cables. Ship. wt. 25 lbs. A15CX275 TD-184 \$5 Monthly. Net 75.00 BASES FOR THORENS TD-184. Ship. wt. 6 lbs. A15CX277 W8X Walnut finish...Net 6.00 A15CX462 W8X Mahogany finish...Net 6.00 A15CX443 W8X Blond finish....Net 6.00

Gray-Fairchild-Audio . . .

(J) GRAY 33 1/2 HYSTERESIS SYNCHRONOUS TURNTABLE: Deluxe table has hysteresis synchronous belt drive; lowest possible rumble because of stretch belt dynamic motor balance, Brushed brass, etched aluminum, black finish. Ship. wt. 20 lbs. A15CX466 33H...\$5 Monthly, Net 79.95 A15CX467 33C, Mahogany Base for 33H, Ship. wt. 9 lbs.....Net 23.95

(K) FAIRCHILD 33 1/2 45 RPM SPEED TURNTABLE: Has 4-pole induction motor and exclusive SPEED SENTINEL which insures keen accuracy at all times. Automatic speed changer; anodized aluminum finish. Ship. wt. 25 lbs. A15CX094 Model 440. \$5 Mo., Net 69.95 A15CX095 440-CBW, Walnut cabinet for Model 440, Ship. wt. 7 lbs.....Net 19.95

(L) FAIRCHILD 33 1/2 RPM SPEED TURNTABLE: Has 2-belt drive, hysteresis synchronous motor. Rumble level: 8 db better than NARTB standards! 28 lbs. A15CX091 412-1A...\$5 Mo., Net 87.50 A15CX092 412-2A, Fairchild 33 1/2 and 45 rpm Speed Tuntable....Net 107.50 A15CX093 412-BF, Walnut Base with White Formica Top for 412 Series.....Net 23.95

(M) AUDIO EMPIRE 3-SPEED TURNTABLE: 33 1/2, 45, 78 RPM with push-button power control. Has dynamically balanced hysteresis synchronous motor; vibration-free belt drive; pop-up 45 RPM adapter spindle. Rumble and wow specifications surpass laboratory and broadcast requirements. Available in satin chrome or satin gold finish. Ship. wt. 30 lbs. A15CX096 Model 208. \$5 Mo., Net 87.50 BASES FOR AUDIO EMPIRE 208. Wt. 5 lbs. A15CX097 Walnut Finish....Net 12.50 A15CX098 Mahogany Finish....Net 12.50 A15CX099 Fruitwood Finish....Net 12.50

GRAY 33 1/2 RPM TURNTABLE KIT: Beautifully designed kit features single speed belt drive through synchronous hysteresis motor. Heavy platter and shaft guarantee vertical stability necessary for stereo. Motor assembly is adjustable; shock-mounted in 3 planes. Precision-engineered parts fit together easily. For 110-120 VAC. Ship. wt. 15 lbs. A15CX465 HSK-33...\$5 Mo., Net 49.50 A15CX464 TBA Walnut Base for Above. Net.....17.95



12" Knife-Edge Stereo Tone Arm

(A) Newest development in tone arm design, at the lowest price anywhere! 2 lateral plus 2 vertical hardened steel "knife edge" pivot bearing eliminate nearly all horizontal and vertical friction, minimizes waveform distortion, provides exceptionally smooth groove tracking even with lightest pickups. High 45° mechanical impedance ideal for 45-45 stereo cartridges. Complete with 2 cartridge shells, mtg. template, hardware, built in leveling bubble, detailed instructions. Ship. wt. 1½ lbs.

A911071.....Only \$2 Down, Net 11.95

STEREO Tone Arm at New Low Price!

(B) There's one reason, only why these high quality tone arms are priced so fantastically low. Realistic misjudged and overproduced. Yet it's not only savings you get with this model—you get a top performer, too! Horizontal friction is minimized by ball bearing races in both top and bottom of pivot column. Vertical plane friction is minimized by precision cone type pivots. Plug-in cartridge holders accommodate all cartridges of conventional shape and design. Truly a superior tone arm, truly a sensational price! Ship. wt. 2 lbs.

A911091A.....Net 6.99

• Comparison-shopped: \$17.95!

• Knife-edge pivot bearings for near-zero friction

\$11⁹⁵

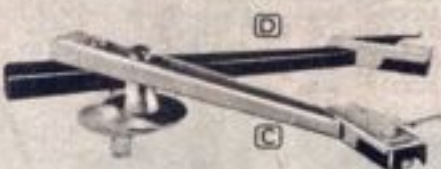
• Gives optimum performance

• For stereo and monaural

• Adjustable stylus pressure

\$6⁹⁹

GRAY Stereo and Monaural Tone Arms and Kits



(C) GRAY MICRO-BALANCED DUAL VISCOUS DAMPED TONE ARMS: For lower resonance and superior tracking. Statically balanced around vertical pivot. Adjustable stylus force. Ship. wt. 4 lbs.

A15CX029 Gray \$212X 12" ..Net 34.00

A15CX186 Gray \$216X 16" ..Net 36.50

Extra slide and cartridge assembly for above models and SAK-12.

A15C185 Gray 5PS.....Net 4.60

(D) GRAY SAK-12 TONE ARM KIT: Gray's new tone arm product in kit form. Features linear fluid damping, quick slide cartridge change, adaptability for all cartridges, low tracking force and minimum tracking error. Perfect for stereo or monaural, it assembles quickly and easily. Finished in bone white and black. Ship. wt. 4 lbs.

A15C463 Gray SAK-12. \$5 Mo., Net 23.95

Selected Famous Brand Tone Arms and Cartridges!

GRADO LABORATORY SERIES

(E) UNIVERSAL 12" TONE ARM: Features include very small rear overhang for cabinet installation; linear tracking force adjustment; vertical and lateral balance adjustments; interchangeable cartridge shell; screw terminal wiring in arm and in shell. Easy installation. Requires no re-balancing when changing cartridges. Handsomely designed, too. Ship. wt. 2 lbs.

A15C293.....\$5 Monthly, Net 39.50

A15C294 Above with Matched Custom Cartridge, Ship wt. 2 lbs. \$5 Monthly Net 69.50

A15C295 Above with Matched Master Cartridge, Ship. wt. 2 lbs. \$5 Monthly Net 85.00

12" FAIRCHILD

(F) STEREO TONE ARM: Low arm hysteresis (friction) permits faithful reproduction with low record wear. Accurate stylus pressure adjustment. Precision ball bearings used in vertical and lateral arm motions. Designed to minimize tracking error. Wt. 2 lbs.

A15CX912 5A-12 \$5 Monthly, Net 39.95

G.E. "STEREO CLASSIC"

(G) TONE ARM: For optimum performance and full listening pleasure whether stereo or monaural! Designed to take G.E. stereo cartridges and G.E. VR-II 4-gram cartridges (for monaural.) Highly resistant to shock. Static balance and constant stylus centering minimize turntable leveling. Unusual 2-step tracking force adjustment. Lightweight aluminum construction. Microball bearings. Built-in arm rest. Removable cartridge head. Length, post center to stylus 9". Rear overhang from post center, 3½". Adjustable height ¾" to 2¼" above motor board. Less cartridge. Ship. wt. 2 lbs.

A15CX583 GE TM20

\$5 Monthly.....Net 29.35

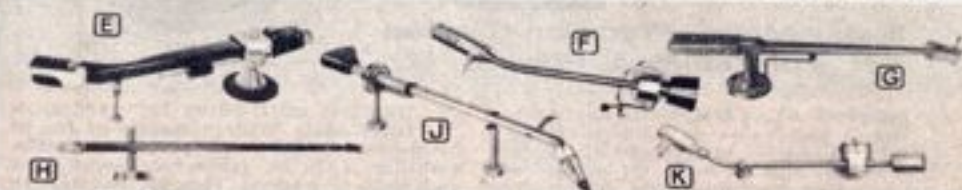
A15C585 TM-HD Head Only for

Above.....Net 2.45

ESL GYRO/BALANCE

STEREO ARM: Makes turntable leveling unnecessary. Plays records at any angle up to 90°. Will track properly at 2 grams. Uses ball bearings throughout for all vertical and horizontal motions. For all standard stereo pickups. Ship. wt. 2 lbs.

A15C565 S-1000. \$5 Monthly, Net 34.95



GRADO MICRO-BALANCE

(H) STEREO TONE ARM: New tone arm design—constructed of finest gunstock walnut wood, with metal fittings of finely machine anodized aluminum. Micrometer tracking force adjustment to tenth part of gram. Tracking distortion minimized to near zero. 1-pc. construction eliminates erratic arm resonances. Ship. wt. 2 lbs.

A15C373 Grado \$5 Monthly, Net 29.95

SUPERB DYNETIC ARM W/CARTRIDGE

(J) 12" STEREO STUDIO DYNETIC ARM AND CARTRIDGE. Employs new electromagnetic transducer for stereo and monaural. Plug-in type cartridge. Adjustable needle load. Distortion-free. Wt. 2 lbs.

A15C082 M-212. \$5 Monthly, Net 87.71

A15C083 M-216. Same as above but 16". Ship. wt. 2 lbs.....\$5 Monthly, Net 87.81

NEW DYNAMIC ARM W/CARTRIDGE

(K) DYNACO UNITIZED ARM-CARTRIDGE: Modern Danish design with Stereodyne/phono cartridge. Low tracking force for clearer sound, better separation, increased record and stylus life. Adjustable stylus pressure. Ship. wt. 3 lbs.

A15CX913 TA-12 \$5 Monthly, Net 49.95

AUDIO EMPIRE MODEL 98

(K) 12" STEREO ARM: Handsomely designed arm with superior features. Vertical and lateral friction virtually unmeasurable due to micro ball bearings. Calibrated stylus force adjustment. Ship. wt. 2 lbs.

A15C072 98 Chrome. \$5 Mo., Net 34.33

A15C073 98 Gold. \$5 Monthly, Net 34.33

A15C074 98P Chrome Audio Empire 16" Stereo Arm, \$5 Monthly, Net 44.28

A15C075 98P Gold Audio Empire 16" Stereo Arm, \$5 Monthly, Net 44.28

A15C076 98RS Chrome, Audio Empire Extra Headshell, Ship. wt. 1 lb., Net 6.47

A15C077 98RS Gold, Audio Empire Extra Headshell, Ship. wt. 1 lb., Net 6.47

LONDON-SCOTT

MATCHED STEREO ARM AND CARTRIDGE: Performance exceeds broadcast standards. It has been designed as an integrated unit specifically for new wide-range stereo records. Special connections allow it to be used as an unexcelled monophonic pickup. The integrated design minimizes tone arm resonances and assures proper alignment of stylus on record. Extremely low moving mass of this unit reduces record wear to an absolute minimum.

SPECIFICATIONS: tip mass less than 1 milligram, assuring accurate tracking at highest volume levels; frequency response 20 cps to 20,000 cps; high vertical compliance minimizes record wear even if cartridge drops on record; tracking pressure 3.5 grams; stylus tip polished diamond, 0.5 mil radius; frictionless precision roller bearings minimize lateral tracking force. Height of arm adjustable. Easy-to-remove cartridge. Overall length 12.5 inches; supplied complete with armrest, cables, hardware. Ship. wt. 1½ lbs.

A15CX231.....\$5 Monthly, Net 89.95

12" SHURE PROFESSIONAL

TONE ARM: Scientifically designed for superior reproduction of stereo and monaural. Precision ball-bearings used throughout on all pivot surfaces. Adjustable tracking force. Wt. 2 lbs.

A15C080 M-232 \$5 Monthly, Net 29.35

A15C084 M-232-7 12" Shure Pro Arm with M7D Stereo Cart. installed, Ship. wt. 2 lbs. \$5 Monthly, Net 52.87

A15C085 M-232-3 12" Shure Pro Arm with M3D Stereo Cart. installed, Ship. wt. 2 lbs. \$5 Monthly, Net 73.45

A15C081 M-236 16" Shure Pro Tone Arm, Ship. wt. 2 lbs. \$5 Monthly, Net 31.31

A15C086 M-236-7 16" Shure Pro Tone Arm with M7D Stereo Cart. installed, Ship. wt. 2 lbs. \$5 Monthly, Net 54.82

A15C087 M-236-3 16" Shure Pro Tone Arm with M3D Stereo Cart. installed, Ship. wt. 2 lbs. \$5 Monthly, Net 75.41



High Fidelity Tape Recording Equipment Expertly Designed By Viking Of Minneapolis For The Discriminating Music Lover



\$14
MONTHLY

\$297⁵⁰

"Stereo-Compact" Recorders

Here's an exciting, compact stereo recorder for built-in and furniture music systems. Mounts in a single 12½" square cut-out. It combines all the performance capabilities of the famous Viking 85 deck, as well as the "Push-to-Record" safety feature. Has front-panel located monaural, stereo and sound-on-sound (cross-channel) function selector switch and jacks for microphones. Behind-the-panel connectors are provided for high level inputs and music system and monitor outputs. Size: 14" W. x 14" H. x 9" depth behind panel. Power requirement: 110 V., 60 cycles. Ship. wt. 23 lbs.

- VIKING "STEREO-COMPACT" ESQ: Half-track erase and recording heads and short-gap quarter-track play model.
 A34CX563 Stereo Compact ESQ \$14 Monthly, Net 297.50
 VIKING "STEREO-COMPACT" RMQ: Quarter-track recording model with exclusive wide-gap recording models and short-gap play heads.
 A34CX562 Stereo-Compact RMQ \$14 Monthly, Net 297.50



\$344⁵⁰

\$16
MONTHLY

New "Stereo-Pro" Viking

A high quality performance integrated tape recorder with dual recording and playback preamplifiers. Combines the performance capabilities of the Viking 85 deck and the Viking RP62 recording amplifiers. Ideal portable stereo recorder for professional use.

- STEREO-PRO ES: Features 85ES deck with 2 RP62 Record/Playback Amplifiers. Erase and record/playback functions using half-track heads.
 A34CX539 Stereo-Pro ES \$16 Monthly, Net 344.50
 STEREO-PRO ESQ: 85ESQ deck and 2 RP62-3 Record/Playback Amplifiers. Provides erase and record of half-track, plays back half track or 4-track tapes without shifting head leads.
 A34CX540 Stereo-Pro ESQ \$18 Monthly, Net 374.50
 STEREO-PRO RMQ: Like ESQ Stereo-Pro, but all heads are quarter track. Erase, record, playback of 4-track tapes.
 A34CX541 Stereo-Pro RMQ \$18 Monthly, 374.50

Viking "85" Series

Finest home-type tape deck in the Viking line! Flutter-filter belt drive. 2 motors provide fast forward and rewind. Front panel speed change, 3¾ and 7½ ips. Dual rotary control. Footage counter. Space for 5 heads. Pressure pads provided at 3 head positions. Tapelifters remove tape from heads except in play and cue positions. Signal to noise ratio 50 db. Freq. response: ±3 db 40 to 14,000 cps. Wow and flutter 0.2% or less rms. Use with RP62C Record/Playback amplifiers for recording. Use preamplifier or amplifier having equivalent (NARTB) tape equalization. 9½"H x 13"W x 5"D. Wt. 12 lbs. 110V., 50 cy. (50 cycle models available on special order). Ideal for special functions such as sound on sound recordings, etc. Ship. wt. 16 lbs.

- VIKING 85ES: In-line half track erase and record/playback heads for half-track monaural or stereo tapes.
 A34CX559 Viking 85ES \$7.50 Monthly, Net 152.00
 VIKING 85RMQ: 2-track and 4-track monaural and in-line stereo erase-record-playback head arrangement.
 A34CX560 Viking 85RMQ \$8.50 Monthly, Net 179.50
 VIKING 85RMQ: Same as 85RMQ but with in-line, quarter track erase heads, wide-gap recording heads, short-gap monitor/playback heads, quarter track erase-record-monitor, records either or both channels; play 4-track, half-track tapes.
 A34CX543 Viking 85RMQ \$8.50 Monthly, Net 179.50



\$7
MONTHLY

\$130⁰⁰

- VIKING 85R: Monaural Record/Playback. ½-track heads.
 A34CX522 Viking 85R \$7 Monthly, Net 130.00
 VIKING 85RQ: Same as 85R except in-line quarter track heads are added for playback of new 4 channel, 3¾ ips tapes.
 A34CX553 Viking 85RQ \$7.50 Monthly, Net 158.50
 VIKING 85Q: Has in-line quarter-track heads for playback of 4-track and half track monaural or stereo tapes.
 A34CX542 Viking 85Q \$7 Monthly, Net 132.00



\$5
MONTHLY

\$77⁵⁰

Record-Playback Amplifier

The Viking RP62 is a NARTB-equalized recording amplifier, erase-bias oscillator, playback preamplifier. Separate controls for playback level, record level, variable playback equalization 8 db above or below NARTB standard at 10,000 cy. Signal-to-noise ratio 60 db, for recording with half-track heads only. Shipping weight 8 lbs.

- A34CX592 Viking RP62C \$5 Monthly, Net 77.50
 Viking RP62C3: Same as above except additional head lead provides playback from 3rd head used on 85ESQ and 85RMQ.
 A34CX544 Viking RP62C3 \$5 Monthly, Net 79.50

\$5
MONTHLY

\$57⁵⁰

RA-72 Recording Amplifier

Serves for recording only and is intended for use with types RQ, ESQ, RMQ, or other 3-head decks which permit use of a 3rd head playback. Ideally suited for use with systems which include a stereo preamplifier, equalized for tape playback (providing tape head input). May be used singly for monaural recording; two units provide for stereo recording. Equipped with "erase-defeat" feature for use with decks providing "push-to-record" safety switch. Shipping weight 6 lbs.

- A34CX545 Viking RA-72 \$5 Monthly, Net 57.50

AMPEX

Tape Recorders

Stereo Monitoring Recorder



Model 970

Was \$750.00
\$595⁰⁰

Only \$29 Monthly

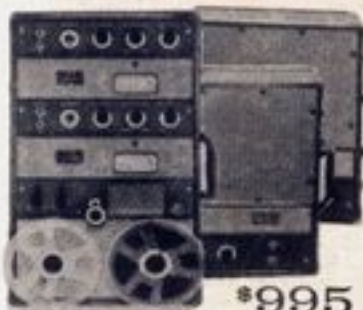
- Contains built-in matched pair of amplifier/speakers for stereo playback monitoring
- Precision tape transport
- Records stereo or monophonic
- Plays 4-track, 2-track, and single-track tapes

The Ampeg 970 enables you to make a stereo recording and monitor the results right on the spot, it provides in one compact unit the functional equivalent of a portable recording studio. Self contained speaker-amplifier monitoring capabilities for monitoring while recording. Rugged functional design to meet the widest range of requirements for home and semi-professional use; it is one piece in its own luggage case. Fits into family, school, and social activities in literally dozens of ways; tape live concerts, preserve your favorite LP's on tape, and capture stereo off the air. Ship. wt. 44 lbs.

A34CX970 Ampeg 970..... \$29 Monthly, Net 595.00
Ampeg 960 Stereophonic Recorder/Reproducer: Same as Model 970 less Monitor speakers and amplifiers. Ship. wt. 36 lbs.

A34CX765 Ampeg 960. List \$650.00.....\$24 Monthly, Net 495.00
Ampeg 2010 Matching Amplifier-Speaker for 900 series recorders.
A34CX776 Ampeg 2010. Ship. wt. 31 lbs. \$9.50 Monthly, Net 199.50
Ampeg 910 High-Fidelity Monophonic Recorder & 2 and 4 Track Stereo Playback. Ship. wt. 35 lbs.
A34CX771 Ampeg 910. List \$495.00.....\$19 Monthly, Net 399.50
Ampeg 952, Model 960 less carrying case (deck and electronics only).
A34CX768 Ampeg 952. Wt. 32 lbs.....\$22 Monthly, Net 449.50
Ampeg 902, Model 910 less carrying case (deck and electronics only).
A34CX769 Ampeg 902. Wt. 31 lbs.....\$16.00 Monthly, Net 349.50

AMPEX 601-2 Portable Two-Track Stereophonic Recorder



\$995

Full professional quality in recording and reproducing stereophonic sound, with the utmost in convenience and portability. Precision In-Line heads for recording and playback. Freedom from inter-channel crosstalk. Separate mixing facility on each channel between microphone and other inputs. Records both stereo and single channel tapes. Plays back stereo, full or half track tapes. Instantaneous starting; illuminated record safety button. Offers a new high level of perfection and makes it available in its most compact, portable form. Ship. wt. 58 lbs. Rugged Samsonite carrying case included.

A34CX550 Ampeg 601-2.....\$99.50 Down, \$47 Monthly, Net 995.00

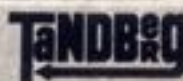
AMPEX 601 FULL TRACK MONAURAL PROFESSIONAL

Portable; Ampeg miniaturized professional package at a price within your reach. Samsonite carrying case incl. Wt. 38 lbs.

A34CX546 Ampeg 601. Full track.....Net 595.00
A34CX547 Ampeg 601. 1/2 track.....Net 595.00
Pay only 29.00 Monthly on each.

PORTABLE AMPLIFIER SPEAKER FOR 600 SERIES. Wt. 35 lbs.

A34CX548 Ampeg 620-P.....\$9.50 Monthly 189.50
LOW IMPEDANCE AMPEX PLUG IN TRANSFORMER
A34CX859 Ampeg 860. Ship. wt. 3 lbs.....\$22.95
AMPEX 704-HEAD DE-MAGNETIZER
A34CX492 Ship. wt. 2 lbs.....\$8.25



4 Track Stereo Record / Playback

MODEL 5-2, 3 SPEED-Complete with two recording amplifiers, 2 matched stereo playback amplifiers mounted in slim-line hand rubbed cabinet. Also includes two microphones, input-output cords, take-up reels and Transport luggage. Offers full operational 4-track stereo and monaural facilities, exceptionally easy to operate and so rewarding in its many versatile uses. Gives all of the facilities of an electronic amplification center. Record stereo discs on tape that will preserve original quality, make live stereo professional recordings, record stereo off the air from any broadcast source and be assured of unprecedented tape economy. Fine Hi-Fidelity speaker provides excellent reproduction for playback. Ship. wt. 32 lbs.

A34CX642 Tandberg Model 5-2.....Only \$29 Monthly, Net 514.50

Tandberg Model 6 Stereo Tape Deck

Three speed stereo recorder and playback. Built-in remote control operation. Incorporates 3 separate heads, one each for record, play and erase of any quarter track. Provides simple pushbutton control that insures easy, rapid operating technique. Offers maximum versatility for sound-on-sound, echo effects, direct monitor.

A34CX733, Less mike, less carrying case. Wt. 25 lbs.....\$24 Monthly, Net 498.00
A34CX734, Tandberg Model 6-1, Model 6 with carrying case. Wt. 30 lbs. \$29 Monthly, Net 521.00
A34CX735, TC-56. Case for Model 6. Wt. 5 lbs.....\$5 Monthly, Net 24.50
A34CX736, CN-6, Crystal Microphone for Model 6. Ship. wt. 2 lbs.....Net 15.00
A34CX737, 22-FF, Foot Pedal for Model 6. Ship. wt. 3 lbs.....Net 18.00

\$514⁵⁰
Only \$29 Monthly



\$498
Only \$24 Monthly



MOVIC 4 Track Stereo \$695

MODEL A-2/4, 3 3/4-7 1/2 IPS MOVICORDER, records stereo or monophonic. Plays 4-track, 2-track, and single-track tapes. Two built-in output amplifiers make this a self contained stereo playback unit. Sound-on-sound recording; extremely gentle and fast tape handling. Two V-U meters; two custom designed reel motors. Cue switch. Automatic stop. Hysteresis synchronous capstan motor.

A34CX757, A-2/4, 3 3/4-7 1/2 IPS, Ship. wt. 45 lbs. \$32.50 Monthly, Net 695.00
Movic A-2/4-15, Same as above except 7 1/2-15 IPS Tape Speed.
A34CX758, A-2/4-15, 7 1/2-15 IPS. Ship. wt. 45 lbs. \$34.50 Monthly, Net 760.00
Movic Standard carrying case with built-in speaker.
A34CX759, Movic CA-1. Ship. wt. 10 lbs.. \$5 Monthly, Net 45.00
Movic Metal Cover for custom build-ins.
A34CX760, Movic CO-2. Ship. wt. 3 lbs.....Net 9.75



Concertone 505 Stereo Recorder

Brings you the full range of audio frequencies in dynamic 2 channel stereophonic reproduction. Also a monaural 1/2-track recorder, push-button controls, automatic stop, automatic tape lifter, illuminated recording indicator, separate channel recording level controls, separate heads. Sound-on-sound recorder, plays both 2 and 4 track tapes.

A34CX752, Concertone 505. Ship. wt. 36 lbs.....\$24 Monthly, Net 495.00
Concertone 505K Stereo Recorder, the 505 with case. Wt. 38 lbs.
A34CX753 Model 505K.....\$29 Monthly, Net 550.00
Concertone 250, Speaker/Amp. mounted in matching case, 18 lbs.
A34CX754 Model 250.....\$9.50 Monthly, Net 188.00
Concertone 13A, Portable carrying case for Model 505. Wt. 8 lbs.
A34CX755 Model 13A, Ship. wt. 8 lbs.....\$5 Monthly, Net 55.00



\$495 \$29 Monthly

WEBCOR

REGENT CORONET

COMPLETE QUARTER TRACK STEREO TAPE DECK

\$219⁹⁵

\$10.50 Monthly

NEW!
LOWEST
EVER!

Here it is! The new Webcor Stereofonic High Fidelity Tape Deck—the greatest advancement in the history of tape recording! Yes, through the skilled engineering of famous Webcor, you can now make your own stereo recording on either 2 or 4 tracks. And, with a mere flip of your wrist, you can make monaural recordings, too. In fact, there are hundreds of ways in which you can enjoy this Webcor Stereofonic Tape Deck . . . thousands of hours of fun and pleasure await you. Read the specifications below, and you'll see why this tape deck is quickly becoming a top-seller throughout the country. Ship, wt. 26 lbs.
A34CX500 Type 2150 \$10.50 Monthly, Net 219.95



FREQUENCY RESPONSE: Normal voice frequency at 1 1/2 IPS; 50 to 7KC ±2db at 3 1/2 IPS; 40 to 14KC ±3 db at 7 1/2 IPS.
TWO PRE-AMPLIFIERS: Pre-amplifiers built-in for each channel. Cathode followers output from Q level recording—2 volts.
WOW AND FLUTTER: 0.2% at 7 1/2" per second.
SIGNAL/NOISE RATIO: Better than 50 db per channel.
TUBES: 6 tube complement including selenium rectifier; DC filaments—1st and 2nd stages.
POWER REQUIREMENTS: 117 volts; 60 cycles AC; 90 watts.

SPECIAL FEATURES: Two or four track Stereo record and playback, 4-pole, heavy duty electronically balanced motor. Three speeds. Belt driven tape transport. Professional type editing key. Record safety lock. Automatic shut-off of amplifier, and recorder mechanism. VU meter indicates correct recording level for each channel. Monitor-Volume control. Numerical type tape counter. Individual volume controls. "Dual-gang" Bass and Treble controls. Function switch. 2 Microphone inputs. Hi-Level Input Jacks, Ch. 1 and Ch. 2 Ext. Amp. Output jacks Ch. 1 and Ch. 2. Dimensions: 7 1/2" high x 15" wide x 15" deep.

4-Track Pre-Recorded Stereo Tape . . . 7 1/2 IPS

New Selected Omegatapes . . . Save 25% Off List!

30 MINUTES **List \$6.95** **\$5²²**

A-55TB-873: AL GOODMAN PLAYS GEORGE GERSHWIN. Tasteful, romantic session with Love Walked In, A Foggy Day, Summertime, Our Love Is Here to Stay—all wonderful!

A-55TB-883: MUSIC FROM SILENT PICTURES. Nostalgic background music, best loved tunes from the old flickers. William Tell Overture, My Hero, Toyland, Frankie and Johnny, Poet and Peasant Overture, and more!

A-55TB-882: DANCING AT THE WALDORF. Supper club elegance deftly interpreted by Francis Walther and his orchestra. After You've Gone, I Love Paris, Shall We Dance—dazzling dance set.

A-55TB-878: THE MUSIC OF VICTOR HERBERT. Bill Thomson achieves opulent tones from the Mighty Wurlitzer Organ with beloved Victor Herbert melodies: Kiss Me Again, Toyland, Gypsy Love Song, 8 more.

A-55TB-880: AFRO STEREO. The Drums of Cyril Jackson beat out pulsating rhythms of Brazil, Ivory Coast, Trinidad, Haiti, in exciting Afro-Cuban, African, West Indian beats.

A-55TB-881: COOL PIPES. Bill Thomson and the Swingin' Wurlitzer provide lively expression to such sparkling hits as Swinging Shepherd Blues; Blow, Gabriel, Blow; Peter Gunn and others.

A-55TB-876: MUSICIANS CHOICE. Swinging set: Jumpin' with Symphony Sid, C Jam Blues, Groovin' on High, plus 7.

45 MINUTES **List \$7.95** **\$5⁹⁶**

A-R5TC-300: LEHAR—THE MERRY WIDOW. Bubbling, buoyant performance by Vienna State Opera Chorus and Orchestra.

A-R5TC-301: WAGNER—Prelude and Love Death from "Tristan and Isolde"; Overture and Venusberg from "Tannhauser."

A-R5TC-302: SCHUBERT. Symphony No. 9 in C Major "The Great." Cento Soli Orchestra of Paris; Argenta, conductor.

A-R5TC-303: HANDEL. Royal Fireworks Music, Water Music Suite. Superbly recorded in Royal Festival Hall, London.

A-R5TC-304: BERLIOZ. Symphony Fantastique. Cento Soli Orchestra of Paris.

A-DS5TC-884: AL GOODMAN PLAYS THE MERRY WIDOW. Intoxicating music of this popular Lehar classic: Maxim's; The Cavalier; Love in My Heart—and 7 more.

A-R5TC-305: STRAVINSKY. Petrouchka, in a performance of great charm and dexterity by Concerts Lamoureux Orchestra.

30 MINUTES

A-DS5TC-871: VICTORY AT SEA. Richard Rodgers stirring music played by London Pops, conducted by Al Goodman. Song of the High Seas, Guadalcanal March.

A-DS5TC-872: MONTY KELLY IN STEREO. Choice, exhilarating dozen including Let's Fly Away, Amalia, Blue Cha Cha.

A-DS5TC-879: NATIONAL ANTHEMS OF THE WORLD. Thrilling versions of 23 anthems—ranging from the U.S.A. to Saudi Arabia, from India to the north countries.

A-DS5TC-877: BLOODY MARY SINGS THE BLUES. Rich-throated Juanita Hall in 12 moving blues favorites including Down-hearted Blues; After You've Gone.

30 MINUTES **List \$9.95** **\$7⁴⁸** **New Ext. Play 1 Hour Tapes**

A-STF-4022: AL JOLSON SONG BOOK. Norman Brooks, the closest voice to Jolie's, sings Mammy, Sonny Boy and all the other marvelous Jolson tunes. Al Goodman and his orchestra.

A-STF-4027: KINGS OF DIXIELAND. Driving Dixie beat laid down by such experts as Vic Dickenson, Jo Jones, Pee Wee Russell, Buck Clayton. When the Saints, Muskrat Rambles, Bugle Call Rag, Sweet Sue—4 more fine ones!

A-STF-4026: BIG BAND SWINGS THE CLASSICS. Deft, tasteful swing versions of such wonderful favorites as Habanera, Green-sleeves, Tchaikovsky Piano Concerto.

A-STF-4028: SONGS OF THE AMERICAN FRONTIER. Thrilling music of the Americana—folk songs, work songs, ballads and blues: Red River Valley, Blue Tail Fly, Careless Love, Love Sick Blues, Down in the Valley, and many more.

A-STF-4029: SPARKLE OF STRAUSS WALTZES. Wonderful waltzes of old Vienna: Artist's Life, Vienna Blood, Blue Danube, Fledermaus, Emperor Waltz and many more. Lifting performance by London Pops.

A-STF-4030: THE SOUND OF THE BULL-RING. Thrills, chills excitingly captured by Sinfonica Popolare of Barcelona: La Virgen de la Macarena, Granada, Toreador Song, Gato Montez and others. Ole!

A-R5STF-500: BEETHOVEN. Symphony No. 5; Schubert, Symphony No. 8; Gurzenich Orchestra of Cologne in performances of outstanding tonal beauty.

A-R5STF-502: FRANCK ORGAN WORKS. Unsurpassed listening experience with Pierre Cochereau, organist. Recorded at Notre Dame de Paris.

REALISTIC**HIGH QUALITY TAPES AND ACCESSORIES**

REALISTIC top quality recording tape allows you to tape your favorite programs, concerts and records at lower cost. With these finest quality recording tapes you get the most for your money in every way—superior performance, and superb fidelity. Manufactured to meet highest requirements for uniform sensitivity, full frequency response, tensile strength, and resistance to the effects of moisture.

- Realistic Tapes of All Sizes to Fit All Makes
- Top Quality Realistic Tapes at Lower Cost
- Realistic Tapes for Brilliant Reproductions

MYLAR BASE RECORDING TAPE

An ideal combination of features—high in quality and low in price. The remarkable dimensional stability of Mylar, together with its other physical properties, results in an extremely durable bond between oxide and base.

| Cat. No. | Description | Ship. wt. | Net |
|-----------|---------------------------------------|-----------|-------|
| A91L702 | 300' on 3" reel, 1/2 mil | 1/2 lb. | .79 |
| A91L753 | 900' on 5" reel, 1 mil | 1 lb. | 1.29 |
| A91L753-5 | 5 reels of above | | 5.99 |
| A91L754 | 1800' on 7" reel, 2 1/4" hub, 1 mil | 1 lb. | 2.39 |
| A91L754-5 | 5 reels of above | | 11.00 |
| A91L750 | 2400' on 7" reel, 2 1/4" hub, 1/2 mil | 1 lb. | 3.69 |
| A91L750-5 | 5 reels of above | | 16.95 |

ACETATE BASE RECORDING TAPE

Realistic top quality acetate base recording tapes are coated uniformly with red oxide on plastic base giving uniform frequency response and high output. This is a tape bargain that speaks for itself! Recording characteristics meet the most critical of professional recording requirements. An outstanding value!

| Cat. No. | Description | Ship. wt. | Net |
|-----------|---|-----------|------|
| A91L715 | 600' on 5" reel, 1 1/2 mil | 1/2 lb. | .99 |
| A91L715-5 | 5 reels of above | | 3.99 |
| A91L730 | 1200' on 7" reel, 2 1/4" hub, 1 1/2 mil | 1 lb. | 1.49 |
| A91L730-5 | 5 reels of above | | 7.00 |
| A91L725 | 1800' on 7" reel, 2 1/4" hub, 1 mil | 1 lb. | 1.98 |
| A91L725-5 | 5 reels of above | | 9.50 |

**TAPE CLEANER-LUBRICANT**

(A) Cleans and protects tapes and tape heads. Contains 1 bottle each of Dow-Corning lubricant and cleaner for all tape recorders. Cuts wows, flutters—even "hot weather squeals." Cleans tapes and heads of foreign matter to prolong tape and head life. Lubricant reduces friction to minimum. Ship. wt. 1/4 lb.

A34C789 1.50

TAPE—FILM CANS & REELS

(B) 5" and 7" REELS AND CANS FOR TAPE OR FILM. Your best protection for valuable recorded tapes and film. Cans are ribbed for easy storage. Precision fit makes opening and closing easy. Attractively finished. Ship. wt. on each lot 5 lbs.

A97L200, 7" Reels, Lots of 6 2.89
 A97L201, 7" Cans, Lots of 6 2.15
 A97L202, 5" Reels, Lots of 6 1.99
 A97L204, 5" Cans, Lots of 6 1.59

TAPE HEAD DEMAGNETIZER

(C) Designed for users of magnetic tapes to quickly demagnetize tape recording heads to achieve reduced noise level and distortion. Neutralizes the residual magnetism induced in head by speech, music, line noise and starting and stopping the tape recorder. Consists of an AC magnet, diameter 1 1/2", with cord. For 110/115 VAC, 60 cy. Ship. wt. 1 lb.

A90L549 3.79

HI-FI JUMPER CABLE KIT

Handy 75 inch shielded cable with RCA type phono plugs, 9 inch shielded cable with a phono plug and two insulated alligator clips. Supplied with shielded phono plug adapter to adapt the RCA type phono plug to standard phono plug if necessary, insulated phono jack coupler, and dual phono jack adapter. Ship. wt. 1 lb.

A91L542 2.29

GIBSON GIRL TAPE KARE KIT

(E) For better tape recording and editing. More pleasure, professional results because your tape recording sounds so much better on monophonic and stereo tapes. The perfect gift for every tape recorder owner. Contains: Gibson Girl Hobbyist Splicer, Tape cleaning cloth, Splicing tape, Tape clips, and Tape editing book. Wt. 1/2 lb. List \$3.50.

A34C116, Comp. Tape Kare Kit, Net 2.62

RECORDER PATCH CORD

(F) Ideal for making connections from radio, phono or TV to tape recorder. Handy 6 ft. lead has insulated alligator clips and RCA type phono plug at the other end. Supplied with shielded phono plug adapter to adapt the RCA type plug to standard phono plug if necessary. Attach alligator clips to speaker terminals and plug other end into recorder. Ship. wt. 8 oz.

A91L57569

ROBINS TAPE THREADER

(G) MODEL TT-1. The perfect solution to an old nuisance. No more awkward fumbling while threading a reel. Just place the tape against the reel, slip on the threader to hold the tape firmly in place. A few turns of the crank and the tape is threaded and you're ready to play or record. Works on all size reels. Ship. wt. 3 oz.

A34C104 Tape threader Model TT-1... .75

12-REEL METAL CHEST

(H) Sturdy, dust-proof, heavy gauge all steel carrying case. Holds twelve 7" or 5" cans and reels of 8mm film or 1/4" recording tape. Metal dividers with index panel keep reels always in order. Piano-hinged lid closes tightly with double safety catches. Folding carrying handle. Grey enamel finish. Ship. wt. 5 lbs.

A97L210 2.99

TELEPHONE PICKUP COIL

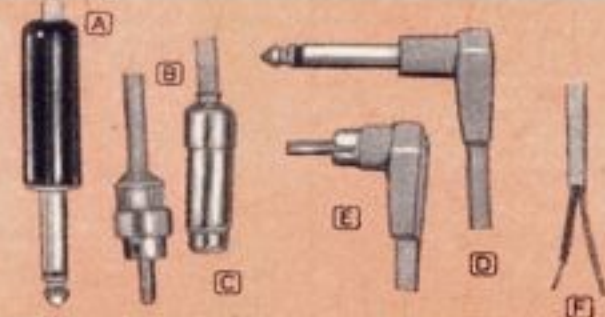
(J) New design, small and compact. This telephone pick-up coil is designed to feed into any disc, wire or tape recorder. The pick-up can be easily attached to any telephone by the use of the rubber suction cup. Exclusive removable patch cord allows pick-up to remain in position while not in use. The coil is electrostatically shielded to minimize hum pick-up. Ship. wt. 1/2 lb.

A91L533 1.85

72" Hi-Fi Jumper Cable Assemblies

- Microphone Extensions
- Speaker Systems
- Tape Recorders
- Elec. Music Equipment
- Tuners and Amps
- Phones

| Cat. No. | Ends | Description | Price |
|----------|------|---|-------|
| A91L555 | C&C | JUMPER cable, RCA type phono plugs, both ends | .53 |
| A91L558 | C&D | EXTENSION cable, RCA type phono plug, one end; RCA type phono jack, other end | .62 |
| A91L567 | A&C | INPUT-OUTPUT cable. Slim standard phono plug, one end; RCA type phono plug, other end | .70 |
| A91L517 | E&F | RIGHT ANGLE RCA plug to right angle phono plug | .69 |
| A91L519 | E&G | RIGHT ANGLE phono plug to stripped and tinned leads Shielded cable | .49 |



TAPES and ACCESSORIES



SCOTCH MAGNETIC TAPE FOR BRILLIANT SOUND SERVICE AND ECONOMY!

Provides matchless fidelity for both professional and home recording. All "Scotch" Brand Magnetic Tapes are splice-free, feature long life, Silicone dry lubrication.

GENERAL PURPOSE TAPE

"SCOTCH" No. 111 ALL PURPOSE. Plastic tape coated with red oxide. Recommended for all general recording needs. Flawless sound reproduction at low cost. Avg. wt. 8 oz.

| Cat. No. | 1/4" by | 1-11 | 12 up |
|----------|----------|---------|-------|
| A34C090 | 150 ft. | ↑ .46 | .41 |
| A34C089 | 600 ft. | ↑ 1.47 | 1.32 |
| A34C088 | 1200 ft. | ↑ 2.29 | 2.06 |
| A34C063* | 2400 ft. | ↑ 5.55 | 5.00 |
| A34C064* | 2400 ft. | ↑↑ 7.12 | 6.41 |

HIGH OUTPUT TAPE

"SCOTCH" No. 120. High output plastic backed tape offers unequalled performance for difficult sensitive recording applications. Gives at least 8 db (133%) more output for greater dynamic range with no increase in harmonic distortion. Wt. 12 oz.

| Cat. No. | 1/4" by | 1-11 | 12 up |
|----------|----------|---------|-------|
| A34C052 | 600 ft. | ↑ 2.29 | 2.06 |
| A34C050 | 1200 ft. | ↑ 3.59 | 3.23 |
| A34C073* | 2400 ft. | ↑ 6.53 | 5.88 |
| A34C049* | 2400 ft. | ↑↑ 8.40 | 7.56 |

EXTRA PLAY TAPE

"SCOTCH" 190 PLASTIC BASE—New Extra-Play plastic base tape adds 50% MORE TIME to your standard reel, also yields increased high frequency response. Example: normal 7" reel of 1200 ft. now contains 1800 feet; at 7 1/2 ips playing time increases from 1 hr. to 1 1/2 hrs. Av. wt. 12 oz.

| Cat. No. | 1/4" by | 1-11 | 12 up |
|----------|----------|---------|-------|
| A34C668 | 900 ft. | ↑ 2.29 | 2.06 |
| A34C669 | 1800 ft. | ↑ 3.60 | 3.24 |
| A34C676 | 3600 ft. | ↑ 6.54 | 5.88 |
| A34C670 | 3600 ft. | ↑↑ 8.40 | 7.56 |

STOP PRINT-THROUGH

"SCOTCH" No. 131 LOW PRINT PLASTIC. First and only tape to reduce print through (signal transfer from layer to layer) to a point below noise level on even the most critical professional recorders. Ship. wt. avg. 12 oz.

| Cat. No. | 1/4" by | 1-11 | 12 up |
|----------|----------|---------|-------|
| A34C626 | 1200 ft. | ↑ 2.88 | 2.59 |
| A34C627 | 2400 ft. | ↑ 6.54 | 5.88 |
| A34C628 | 2400 ft. | ↑↑ 8.10 | 7.29 |

MYLAR PLUS-50 TAPE

"SCOTCH" No. 150 MYLAR-BASE EXTRA PLAY, EXTRA STRENGTH. A "weather balanced" magnetic recording tape offering 50% more recording time than conventional tapes and featuring durable "Mylar" backing, for improved resistance to changes in temperature and humidity and also for greater strength. Avg. wt. 12 oz.

| Cat. No. | 1/4" by | 1-11 | 12 up |
|----------|----------|---------|-------|
| A34C144 | 225 ft. | ↑ .66 | .59 |
| A34C616 | 900 ft. | ↑ 2.35 | 2.12 |
| A34C617 | 1800 ft. | ↑ 4.05 | 3.65 |
| A34C618 | 3600 ft. | ↑ 7.84 | 7.06 |
| A34C619 | 3600 ft. | ↑↑ 9.41 | 8.47 |

CODE USED IN SCOTCH TAPE LISTING IN THIS CATALOG

- ↑ — Plastic Reel.
- ↑↑ — Plastic Professional Reel.
- ↑↑ — NAB Hub. ↑↑ — NAB 10 1/2" Reel.
- ↑↑↑ — New fiberglass reel, 3/16" ctr. hole.
- * — Output variation with reel @ 1,000 cps under + 1/4db-splice free.

SPlicing TAPE

(A) "SCOTCH" No. 41 SPlicing TAPE. Has a special white thermosetting adhesive that is guaranteed not to ooze or bleed under tension, or cause magnetic tape layers to stick together. Makes splices that actually strengthen with age. Available in handy display card. Wt. 3 oz.

| Cat. No. | 1/4" x | 1-11 | 12 up |
|----------|----------------|------|-------|
| A34C060 | 1/2" x 150" | .39 | .35 |
| A34C150 | 3/32" x 66 ft. | .57 | .52 |
| A34C061 | 1/2" x 66 ft. | .76 | .69 |
| A34C062 | 3/4" x 66 ft. | 1.01 | .91 |

LEADER-TIMING TAPE

(B) "SCOTCH" No. 43P LEADER AND TIMING TAPE. A tough 1/4" wide, high-impact strength plastic tape for splicing to magnetic tape. As a thread-in leader, it allows full-length recording on tape. Excellent for identification between selections, cueing and timing in professional recording. Plaid markings spaced every 7 1/2". Available on convenient self-dispensing display card. Wt. 5 oz.

A34C066 1/4" x 150 ft. 1-11, .60, 12 up .54

EMPTY REELS

(C) "SCOTCH" EMPTY PLASTIC REELS IN BOXES. Stock up on empty plastic reels. Saves tape. Have each event or musical on its own reel. You'll never have to search for the one you want. Reels individually boxed complete with index. Adequate space provided on each reel for labeling or marking. Ship. wt. 4 oz.

| Cat. No. | Dia. | Fr. | Type | 1-11 | 12 up |
|----------|------|------|---------|------|-------|
| A34C091 | 7" | 1200 | Plastic | .49 | .44 |
| A34C092 | 5" | 600 | Plastic | .42 | .38 |
| A34C093 | 3" | 150 | Plastic | .16 | .15 |

STANDARD PLAY TAPE

(D) "SCOTCH" No. 311 TENZAR BACKING STANDARD PLAY. Designed especially for rugged use. Extra tough for applications requiring frequent repeat, continuous play and constant handling. Tear resistant, withstands severe usage. Stretch-resistant, fast starts and stops, or varying drive tensions, won't distort or curl this rugged backing. Non-drying, will not dry out or become brittle in hot, dry storage. Will not absorb moisture. Perfect for all-weather use and long time storage. End-of-reel tape clip packed with every reel, holds tape end securely in handling. Avg. wt. 8 oz.

| Cat. No. | 1/4" by | 1-11 | 12 up |
|----------|----------|------|-------|
| A34C080 | 1200 ft. | 2.45 | 2.21 |
| A34C081 | 600 ft. | 1.57 | 1.41 |

Also available on colored reels: Red, Blue, Green, and Yellow.

DOUBLE PLAY TAPE

"SCOTCH" No. 200 DOUBLE-LENGTH TEN-SILIZED POLYESTER TAPE. The original no-break, no-stretch tape that plays twice as long. As much recording time as two reels of conventional tape—enough to record an entire opera, concert, or conference. Tensitized 7/10 mil polyester base is twice as strong as ordinary extended play tape. Avg. ship. wt. 12 oz.

| Cat. No. | 1/4" by | 1-11 | 12 up |
|----------|----------|----------|-------|
| A34C352 | 300 ft. | ↑ 1.10 | 1.02 |
| A34C353 | 1200 ft. | ↑ 3.73 | 3.44 |
| A34C696 | 2400 ft. | ↑ 6.52 | 6.05 |
| A34C697 | 4800 ft. | ↑↑ 15.09 | 14.01 |



Robins Tape Splicers

"Gibson Girl" "T54A" Series—The "TS" series splicers have cutter cartridges which house 3 long-life blades. The cartridge has two operating positions, miter cut and trimming cut, selected by moving the knob back and forth. Professional splices in seconds. May be attached to recorder if desired.

(E) T54A-JR, Gibson Girl Junior. Low cost, small and compact. This is a handy carrying size model. Tape is held in guide by friction. Ship. wt. 1/2 lbs.

A34C742, Model T54A-JR.....4.88

T54A-STD Gibson Girl Standard. The basic moderately priced professional model. Wt. 1/2 lb.

A34C740, Model T54A-STD.....6.38

(F) T54A-DLX Gibson Girl Deluxe. A complete splicing unit. Splicer plus roll of splicing tape mounted in integral tape dispenser. Supplied with plastic dust cover. Ship. wt. 1/2 lb.

A34C741, Model T54A-DLX.....8.63

RK-2 REPLACEMENT KIT—For T54A series splicers. Contains replacement cutter cartridge, 2 cutting pads. List \$1.25.

A34C763 Robins RK-2. Wt. 1/4 lb......94

H-4 Gibson Girl Hobbyist. Simple inexpensive tape splicer consisting of a tape and blade guide and a unique curved blade. Produces uniform splices.

A34C864 Model H-4 Wt. 1/4 lb.....1.31

SP-4 Gibson Girl Semi-Pro. Hand held splicer, consists of three parts, a tape alignment guide, a cutting unit which has a diagonal cutter on one side and Gibson Girl cutters on the other, and a blade cutter to protect the blades, designed for semi-professional use.

A34C103 Model SP-4 Wt. 3/4 lb.....2.62



Professional Head Demagnetizer. Monaural or Stereo. Designed for professional use and offered at a price the Hi-Fi enthusiast will enjoy, this U/L approved head demagnetizer is a must for the tape perfectionist. Reduces noise level, improves signal to noise ratio.

A34C117 Ship. wt. 1 lb.....7.50



MOTOROLA Foreign Car Radios

- Transistor Powered For Low Battery Drain
- Custom Design at Tremendous Savings!

\$39⁹⁵

Complete Radio,
Simple to Install!
Only \$5 Monthly!

Compact, "custom-look" Motorola radios are designed for long, trouble-free and cooler operation. Important features include RF stage for increased sensitivity and selectivity, low power drain, thumb screw antenna trimmer, 5" Golden Voice speaker, automatic volume control, 90 day guarantee. If your car is not listed here write Dept. V.H.—we have it. Ship. wt. 6 lbs.

| Make | Year | Order No. |
|------------------|---------|-----------|
| ALFA-ROMEO | '56-'59 | A45DX642 |
| ARNOLT BRISTOL | '58-'59 | A45DX529 |
| ASTON MARTIN | '58-'59 | A45DX672 |
| AUSTIN, A-55 | '56-'59 | A45DX907 |
| Sprite | '56-'59 | A45DX842 |
| BORGWARD, | | |
| Isabella | '57-'59 | A45DX576 |
| Goliath | '59 | A45DX577 |
| CITROEN DS-9, | '57-'59 | A45DX574 |
| ID19 | '58-'59 | |
| CONSUL, Zephyr | '60 | A45DX643 |
| Zodiac | '57-'59 | A45DX644 |
| DKW | '59-'60 | A45DX573 |
| FIAT, 600, 1100, | | |
| 1200, Multipla | '57-'58 | A45DX525 |
| ENGLISH FORD, | '57-'58 | A45DX842 |
| Anglia, Prefect, | | |
| Escort, Squire | | |

| Make | Year | Order No. |
|-----------------------|---------|-----------|
| GOGOMOBILE | '58 | A45DX526 |
| HILLMAN MINX | '57-'58 | A45DX535 |
| | '59 | A45DX649 |
| JAGUAR, All Models | '57-'59 | A45DX842 |
| LANCIA | '58-'59 | A45DX525 |
| MG, MGA | '57-'60 | A45DX529 |
| Magnette | '57-'59 | A45DX842 |
| MERCEDES-BENZ | '58-'59 | A45DX841 |
| 190, 219, 220S, 300SL | | |
| MORRIS MINOR | '57-'59 | A45DX536 |
| NSU, Prinz | '59 | A45DX536 |
| OPEL, Rekord | '58 | A45DX574 |
| PANHARD | '57-'59 | A45DX526 |
| PEUGEOT, 403 | '58-'59 | A45DX527 |
| PORSCHE, Carrera | '58-'59 | A45DX573 |
| Standard, Super | | |
| RENAULT-DAUPHINE | '59-'60 | A45DX525 |
| | '57-'58 | A45DX902 |

| Make | Year | Order No. |
|----------------------|---------|-----------|
| ROVER, 90, 105S | '54-'59 | A45DX529 |
| SAAB | '58-'59 | A45DX841 |
| SIMCA, Elysee | '59-'60 | A45DX650 |
| Grande Large, Oceane | | |
| Vedette, Beauciel | '59 | A45DX527 |
| Arande 1300, | | |
| Chatelaine | '58-'59 | A45DX527 |
| SUNBEAM RAPIER | '57-'59 | A45DX535 |
| TAUNUS | '57-'59 | A45DX902 |
| TRIUMPH, TR 3 | '55-'59 | A45DX672 |
| VAUXHALL, FD & | | |
| FW Victor | '58-'59 | A45DX357 |
| VOLKSWAGEN | '53-'57 | A45DX573 |
| | '58-'60 | A45DX574 |
| Karmann-Ghia | '55-'60 | A45DX573 |
| VOLVO, 544 | '59 | A45DX573 |
| 444 | '57-'58 | A45DX843 |

FM-AM Push-Button BLAUPUNKT Car Radio with Marine Band

GOOD NEWS for music lovers on the move! Here are custom in-dash models for ALL U.S. cars that give true-tone FM reception while driving. Features: ALL 3 bands—AM, FM, Marine-Weather; frequency response of 40-16,000 cps; isophon wide range speaker; noise suppression kit for hi-fi; no fading. Easy to install. 6-month guarantee. Ship. wt. 15 lbs.



IF YOUR CAR IS NOT LISTED, WRITE DEPT. V.H.

| Cat. No. | Make | Net |
|----------|------------------------|--------|
| A44DX140 | Volkswagen '58-'60 | 157.20 |
| A44DX133 | Dauphine '59-'60 | 164.85 |
| A44DX113 | Fiat 1100-1200 '59-'60 | 170.75 |
| A44DX118 | Peugeot '59-'60 | 162.35 |
| A44DX120 | Porsche 356A '59-'60 | 169.50 |
| A44DX143 | Chevrolet '59-'60 | 153.20 |
| A44DX145 | Chrysler '60 | 156.40 |
| A44DX146 | Corvaire '60 | 158.40 |
| A44DX147 | Dart '60 | 155.80 |
| A44DX152 | Falcon '60 | 155.85 |

| Cat. No. | Make | Net |
|----------|---------------------|--------|
| A44DX155 | Ford '60 | 154.65 |
| A44DX156 | Studebaker Lark '60 | 163.75 |
| A44DX158 | Oldsmobile '60 | 157.15 |
| A44DX161 | Plymouth '60 | 153.00 |
| A44DX162 | Pontiac '59-'60 | 156.40 |
| A44DX168 | Rambler '60 | 158.10 |
| A44DX167 | Valliant '60 | 158.10 |
| A44DX169 | Thunderbird '60 | 158.10 |
| A44DX166 | Universal-Underdash | 161.65 |
| A44DX170 | Top Cowl Antenna | 8.00 |

MOTOROLA CUSTOM 1960 AMERICAN CAR RADIOS

MANUAL \$49⁹⁵ PUSH-BUTTON \$59⁹⁵

| Cat. No. | Type | Cat. No. | Type |
|----------|---------------|----------|---------------|
| A45DX631 | Buick '60 | A45DX200 | Buick '60 |
| A45DX703 | Chev. '60 | A45DX829 | Chev. '60 |
| A45DX632 | Dodge '60 | A45DX781 | Dodge '60 |
| A45DX752 | D. Dart '60 | A45DX201 | D. Dart '60 |
| A45DX620 | Ford '60 | A45DX203 | Ford '60 |
| A45DX904 | Olds. '60 | A45DX218 | Olds. '60 |
| A45DX630 | Plym. '60 | A45DX219 | Plym. '60 |
| A45DX788 | Pontiac '60 | A45DX250 | Pontiac '60 |
| A45DX749 | Rambler '60 | A45DX251 | Rambler '60 |
| A45DX634 | Std. Lark '60 | A45DX217 | Std. Lark '60 |

3-SECTION 56" AUTO ANTENNA

Simple Mounting \$1⁹⁸

One of the most popular auto antennas on the market today! It's rugged, rust-proof, easy to install. Has 3 chrome-plated sections that extend to 56". Constructed with patented anti-rattle design. Fender or cowl mounting. Includes lead cable. Perfect for any car! And priced wonderfully low! Ship. wt. 1½ lbs.

A94LX888.....Net 1.98

CATALOG PRICES: prices shown are net cash, and the lowest in effect at press time. We reserve the right to change prices without notice, due to increases in cost or suggested re-sale prices or other conditions beyond our control — whether the change is a decrease or increase.

ANTENNAS for AM-FM Car Radios

FOREIGN and SPORTS CARS

- (A) DISAPPEARING TOP COWL ANTENNA: 3-section, extends to 20½". A29DX644 M182D, Ship. wt. 1 lb. Net 2.06
- (B) CONTINENTAL SIDE COWL MOUNT: 3-section, extends to 56". A29DX254 CF6, Ship. wt. 1 lb. Net 3.50
- (C) LONG RANGER SIDE COWL MOUNT: 4-section, extends to 100". A29DX106 SCB, Ship. wt. 1 lb. Net 4.50
- (D) AMERICAN TOP COWL MOUNT: 8-BALL TOP COWL MOUNT: 3-sec. extend 56". Chrome-plated brass. A29DX102 TCF-3C, Ship. wt. 1 lb. Net 2.04
- (E) LOKMATIC TOP COWL MOUNT: 3-sec. extends 56". Fits all cars. A29DX253 L-1000, Ship. wt. 1 lb. Net 2.65

FM ANTENNAS

- (F) FM ANTENNA TOP COWL: 3-section telescopic, extends 56". A29DX251 ASA26, Ship. wt. 1 lb. Net 2.79
- (G) HALO FM ANTENNA: New Hy-Gain butterfly antenna. Anod. alum. A29DX643 FMB, Ship. wt. 1 lb. Net 5.95



MOTOROLA**New TRANSISTORIZED
Push-Button Car Radios**

Custom In-Dash Fit in all Sports, Foreigns and Compacts!

- Volume and Tone Controls
- 5"x7" Dynamic Tone Speaker!
- Low, Low Battery Drain!
- Full 90 Day Guarantee!

\$54⁹⁵ Only
\$5 Monthly

| Make | Year | Order No. |
|------------------|---------|-----------|
| ALFA-ROMEO | '56-'59 | A45DX417 |
| ARNOLD BRISTOL | '58-'59 | A45DX916 |
| ASTON MARTIN | '58-'59 | A45DX919 |
| AUSTIN A-55 | '60 | A45DX436 |
| Sprite | '56-'59 | A45DX417 |
| BORGWARD Goliath | '57-'58 | A45DX898 |
| COMET | '60 | A45DX896 |
| CORVAIR | '60 | A45DX638 |
| CONSUL Zephyr | '57-'59 | A45DX437 |
| Zodiac | '60 | A45DX438 |
| FALCON | '60 | A45DX896 |
| HILLMAN MINX | '57-'58 | A45DX439 |
| LANCIA | '58-'59 | A45DX417 |
| MERCEDES-BENZ | '60 | A45DX441 |
| 220, 190SL | '58-'59 | A45DX418 |
| MG MGA | '58-'60 | A45DX440 |
| MORRIS MINOR | '57-'59 | A45DX442 |
| NSU Prinz | '59 | A45DX418 |

| Make | Year | Order No. |
|------------------|---------|-----------|
| PANHARD | '58-'59 | A45DX417 |
| PEUGEOT | '58-'59 | A45DX417 |
| RENAULT-DAUPHINE | '59-'60 | A45DX898 |
| SIMCA Elysee | '59-'60 | A45DX449 |
| Grande Large | '59-'60 | A45DX449 |
| Océane Vedette, | | |
| Beauciel, | | |
| Versailles, | | |
| Arande 1300, | | |
| Chateleine | '59 | A45DX443 |
| SUNBEAM RAPIER | '57-'59 | A45DX439 |
| TAUNUS | '58-'59 | A45DX898 |
| TRIUMPH, TR-3 | '57-'59 | A45DX919 |
| VALIANT | '60 | A45DX894 |
| VAUXHALL | '58-'59 | A45DX494 |
| VOLKSWAGEN | '58-'60 | A45DX897 |
| KARMANN-GHIA | '58-'60 | A45DX898 |
| VOLVO, 1225 | '59 | A45DX898 |

Custom push-button Motorola Radios answer the space challenge! This powerful chassis gets the stations you want and filters out unwanted signals. Powerful transistor circuit assures excellent tone and constant volume level. Includes RF stage, thumb-screw antenna trimmer, Conalrad markings. Minimum battery drain. Radios available for all car models. If not listed, write Dept. VH. Ship. wt. 10 lbs. 6 $\frac{1}{2}$ " W x 2 $\frac{1}{2}$ " H x 7 $\frac{1}{4}$ " D.

FREE 36" ANTENNA with above includes top cowl mount, cable.

AUTO SPEAKER KITS

A 6" x 9" REAR DECK SPEAKER KIT—Connects to any radio. Includes metal grill and frame, 3-position fader switch, etched plate, insulated wire hardware, instructions. Gives your car that 3-D effect! A90L299 Ship. wt. 5 lbs. Net **3.99**

B 2-WAY HI-FI REAR DECK SPEAKER KIT—Woofer for the lows, tweeter for highs, combined by a modern cross-over network. Hi-Fi in reproduction, fits as a 6" x 9" installation. Complete with all parts plus instructions. List \$18.95. A15C843 Ship. wt. 4 lbs. Net **9.45**

C STATION WAGON REAR SPEAKER KIT—Fully assembled, self-contained unit specifically for station wagons. Includes three-way speaker selector switch, dial plate and connecting wires. Easy to install. List \$14.95. A15C845 Ship. wt. 3 lbs. Net **6.95**

MOTOROLA Transistorized Radio for **\$39⁹⁵** Just \$5 Monthly

falcon
corvaire
Valiant



Rf Stage Sensitivity and Selectivity . . . Automatic Volume Control . . . Transistorized for Low Battery Drain . . . plus Radio Shack's extra low, low price! Features built-in 4" Golden Voice speaker, thumb screw antenna trimmer and transistorized circuitry. Ship. wt. 6 lbs.

A45DX532 for Valiant, \$5 Mo., Net **39.95**
A45DX541 for Falcon, \$5 Monthly, Net **39.95**
A45DX542 for Corvaire, \$5 Mo., Net **39.95**
A45DX541 for Comet, \$5 Monthly, Net **39.95**

AUTOMOTIVE ACCESSORIES for FIX-IT MAN and SPORTS CAR FAN

D COMPLETE PORTABLE MOTOR ANALYZER—Handle light tune up work yourself and save! Quickly test carburetor settings, check sticky valves, worn valve springs, burnt valves and valve settings; also check choke, plugs, muffler, manifold, ignition breakdowns, high tension circuit and ignition coil output. Over 15 tests fully explained with instructions. Pack it along on a sports car rally! Ship. wt. 7 lbs. A98L519. . . . \$2 Down, Net **16.99**

E AUTO OR BOAT TIMING LIGHT—Test 6 and 12 volt systems and see them in actual operation! Test automatic spark advance distributor; locate troubles, synchronize double points. Complete with instructions. Ship. wt. 2 lbs. A98L514. . . . Net **3.99**

F MOTOR GUIDE—VACUUM & FUEL PUMP TESTER—Checks complete system from carburetion to exhaust plus all vacuum operated equip. Dash or under mounting. Ship. wt. 2 lbs. A98L518. . . . Net **3.99**

G GE AUTO SPOTLIGHTS—Plug into cigarette lighter socket; concentrated beam, unbreakable lens, aluminized reflector. 12' rubber cord. Wt. 1 lb. A95L120 For 6 Volt Car. . . . Net **1.89**
A95L125 For 12 Volt Car. . . . Net **1.89**

H TIRE TESTERS—Solves all tire pressure problems; shows air pressure with complete accuracy. Assures top sports car performance. Includes leather pouch. Ship. wt. 1 lb. A95L501. . . . Net **2.95**

J DUAL SPEAKER FADER SWITCH—Controls volume on both speakers, gradually reduces volume on one while increasing it on other. Complete with parts and instructions. Ship. wt. $\frac{1}{2}$ lb. A91L550. . . . Net **.54**

K 3 POSITION AUTO SWITCH—Gives you choice of front speaker, rear speaker or both. Ideal for home or auto. Complete with instruc. Ship. wt. $\frac{1}{2}$ lb. A91L540. . . . Net **.35**

L REMOTE STARTER SWITCH—Canks the engine from any position, lets you work under the hood or in the bilges without getting up to start engine. Use with any engine having a solenoid switch. Ship. wt. 2 lbs. A98L517. . . . Net **2.95**

GENIAC ELECTRIC BRAIN KIT

Sound Scientific Instrument



- Build Over 125 Different Machines
- Stimulate Your Reasoning Powers

Originally \$17.95 **\$9.95**

A stimulating adventure for thinking individuals—used in industrial training programs. With this kit you can build machines which solve problems faster than you can express them. Machines which compare and reason; syllogism machine, intelligence tester. Game playing machines: Tic-Tac-Toe, etc. Arithmetical, cryptographic, burglar alarm, compose music, forecast weather. Safe—uses one flashlight battery for power. No soldering. Complete with parts, tools, and instructions.

A98LX397 Geniac Ship. wt. 6 lbs. 9.95
A23F001-1 D cell Ship. wt. 1/4 lb. 13

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- Engineers
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\$49.95

Portable, battery operated, transistorized computer is ideal for schools, desk and home calculation. Integrates, differentiates, multiplies. Unit includes three modules: amplifier, potentiometer and comparator. Complete manuals included.
A98LX396 Ship. wt. 8 lbs. \$5 Mo. 49.95
A23F569-2 2 9-volt batteries 2 lbs. 2.52
A23F005-2 2 penlight cells 1/4 lb.20

Pre-Electricity Physics Lab Kit

- 125 Planned Experiments
- Complete Safety

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For ages 10 and up. Conduct over 125 experiments in magnetism and static electricity. An introduction to the principles of electricity for the young inquisitive mind. Includes plastic charging materials, Alnico magnets, compasses, neon bulb, two 48-page instruction manuals.
A98LX347 Ship. wt. 2 lbs. 5.95

Physics of Light Waves Lab

SPECTROSCOPE & POLARIZER

- Educational
- Age 10-16

\$4.95

Perform exciting experiments with light waves. Explore the fascinating world of light and color using a hand spectroscope and light polarizer. Two illustrated manuals and all necessary materials incl.
A98LX353 Ship. wt. 2 lbs. 4.95

Gilbert Elec-tronic Set

NATIONALLY
ADVERTISED
AT \$21.98

\$15.95

- Electron Tube
- Safe, Easy
- Educational

Build your own broadcast station in 15 minutes with this big kit. Make 15 other radio sets without tools, solder or technical knowledge. Jiffy clips for instant connections. Easy to follow templates.
A98LX383 Ship. wt. 4 lbs. 15.95

75,000 Volt Cosmotron

Miniature Atom
Smasher Kit

\$8.95

Mfrs. list
\$14.95

Produces sparks up to 2" long, yet absolutely safe because current is infinitesimal. You can make artificial lightning, defy gravity and do many other amazing tricks. Complete with experiment kit. An excellent teaching device. 110 v. AC/DC.
A98LX048 Kit. 3 lbs. 8.95
A98LX049 Assembled. List 19.95. 12.50
A98LX057 Bat. operated. List 9.95. 5.95
A23F001-2 2 D cells for A98LX057.26

ROCKET RADIO

Plays Anywhere

\$1.79

Compare at \$3.50



Hook it on to bicycles, telephones. This novel new diode crystal rocket radio is compact enough to fit in the palm of your hand, yet it pulls in stations loud and clear. Complete station tuning rod and earphone. More than a clever conversation piece—this radio really performs. Ship. wt. 1 lb.
A44D296 1.79

Germanium Diode Radio Kit

Basic
Crystal Set

\$3.26

Old radio stand-by. Factory-wound High Q coil, fixed type germanium crystal, radio-type variable condenser. Easy construction and operation. No batteries needed. List \$4.95.
A45D607 105. Net 3.26

CRYSTAL SET KIT

\$1.96

Introductory kit for beginners in radio. Simple operation. No soldering. List price \$3.00.
A45D608 115. Net 1.96

7-in-1 Electronic Kit

List Price
\$15.95

\$10.45

Beginners construct seven circuits—learn how and why they work. All required components included with instructions. List 15.95.
A45D604 Ship. wt. 3 lbs. 10.45

4-in-1 Transistor Radio Kit

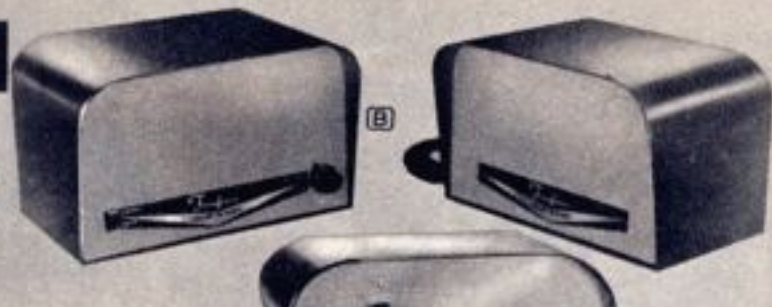
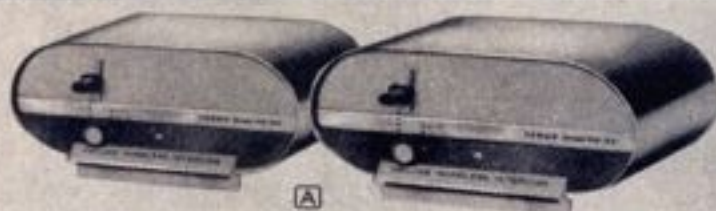
List Price
\$9.95

\$6.55

Multi-part kit builds transistor radio, germanium diode radio, code practice blinker light and key.
A45D605 Ship. wt. 3 lbs. 6.55

PHILMORE CRYSTAL SETS—Ideal for receiving stations up to 25 miles away. Simple to operate. With crystal, less antenna and headphones.
A45D121 Type 7001. Net 1.49

FANON ELECTRIC



A TWO STATION

WIRELESS INTERCOM—A complete two station system ready to operate. No interconnecting wires. Ideal for use anywhere—in the home, at business, on the farm, office or factory. Stylish modern design. Noise silencing control eliminates interference from power lines. "Dictate" position on Talk-Listen switch for use as baby sitter or for dictation. 4 tubes and silicone rectifier. Neon pilot light. Uses very little current. Additional station may be added. Brushed brass cabinets. List \$89.50. Ship. wt. 9 lbs.

A43CX015 FW-50 \$5 Monthly, Net **53.70**
A43CX024 FW-51 Additional single wireless unit. \$5 Monthly, Net 26.85

B "TALK-A-LOT": Lowest cost two station intercom. Stylishly designed in pleasant colors. Good voice reproduction. Remote answering without switch. All metal cabinet for long wear and rugged use. 4" speakers in master and remote. Complete with 50 ft. cable. List \$19.95. Ship. wt. 6 lbs.

A43CX008 TAL.....\$2 Down, Net **14.95**
A43CX009 TR—Remote for TAL with 50 ft. cable.Net 5.95

C "TWIN FX-2" consisting of master and remote. Smartly styled and extremely sensitive. Master has own Volume Control with "on-off" switch, separate "press-to-talk" switch and pilot light. Extremely low noise level. 50 ft. cable included. Comes in grey or tan colors. List \$29.95. Ship. wt. 6 lbs.

A43CX007 FX-2.....\$2 Down, Net **18.75**
Additional remote station for use with FX-2. In same colors. List \$12.50. Ship. wt. 2 lbs.
A43CX014 FS.....Net 7.50

D "BABY COM": A one-station wireless radio intercom. No installation or wires required. Plugs-in to any AC or DC outlet and voice is heard through any radio (car and battery radios included). Ideally suited as portable baby-sitter. Extremely sensitive. Can be heard 300 ft. away. Blue or pink cabinet. Ship. wt. 4 lbs. Lists \$19.95.

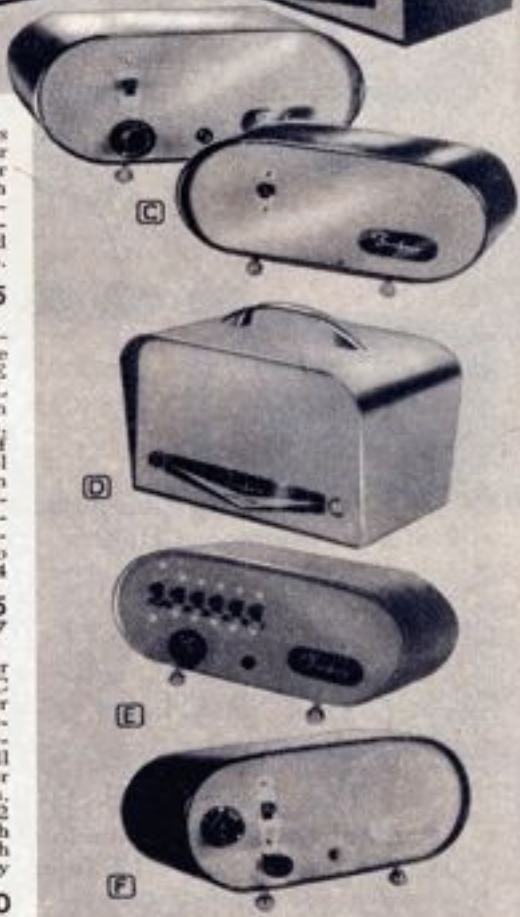
A43CX006 RB-1.....Net **14.95**

E "EXECUTIVE": A dual purpose master station, for use with up to five FC remotes in a MASTER-TO-REMOTE system or up to six masters in an ALL MASTER system. Five individual station selector switches. In all master system, 3 private conversations or conference of all stations may be held. Volume control with AC ON-OFF switch. Talk-Listen switch has coil spring return. System arranged for private or non-private conversations, without conversion or soldering. Remote able to originate calls to master station. List \$34.95. Ship. wt. 4 lbs.

A43CX011 FX-6.....\$2 Down, Net **20.95**
A43CX013 FC—Remote for FX-6. Net 7.97

F "MANAGER": A dual purpose master station for use with up to eleven FC remotes, in a Master-to-Remote system or up to twelve masters in an all master system. Six private conversations or conference of all stations may be held on all master system. Remotes may be used for "private" or "non-private" operations. Volume control with On-Off switch, 12 Station Rotary Selector switch with "Standby" position. Talk-Listen switch with coil spring return. 8"x4"x4". Grey or tan. List \$37.50. Wt. 4 lbs.

A43CX012 FX-12.....\$2 Down, Net **22.50**
A43CX013 FC—Remote for FX-12. Net 7.97



FANON FONE INTERCOM SYSTEMS



- Dial telephones
- Multi-channel
- No switchboard

This deluxe telephone system provides for as many separate conversations as there are pairs of phones. Maximum installation is 10 phones. Conferences among several phones are possible. Quality engineered for trouble-free, continuous service. Anti side tone circuits for efficient speaking and receiving characteristics. One PSA power supply per installation. Ship. wt. 3½ lbs.

A43CX001 1010A. \$5 Monthly, Net 44.95

PSA POWER SUPPLY FOR 1010A—A permanent 115 volt AC power supply. One required per installation. Ship. wt. 3 lbs. A43CX002 PSA.....\$2 Down, Net 17.95

EASY BUDGET PLAN

Use RADIO SHACK'S convenient Easy Budget Plan to pay for equipment while you use it. See page 3 for complete details.

WIRING REQUIREMENTS

ALL MASTER SYSTEM (FX-6 or FX-12) Number of conductors is one more than number of masters in system (i.e., six

FX-6 require a seven conductor cable). MASTER TO REMOTE SYSTEM—Three conductors are required from the master to each remote.

VOCALINE CO.



\$40⁸⁸
\$5 MONTHLY



VOCATRON WIRELESS INTERCOM

Keep in touch with any room in your home. Just plug into any AC outlet and talk. No wiring—no installation—no holes to drill. Draws less current than a light bulb. All Vocatrons are master units—can originate calls. Move units about as you need them. Complete volume control with fixed lever for baby-sitting. Transmits breathing, whispers, shouts with in-the-room presence. Units are smartly styled with clean lines—attractive for use in any room. Compact size 3"x6"x8". Ship. wt. 6 lbs. each.

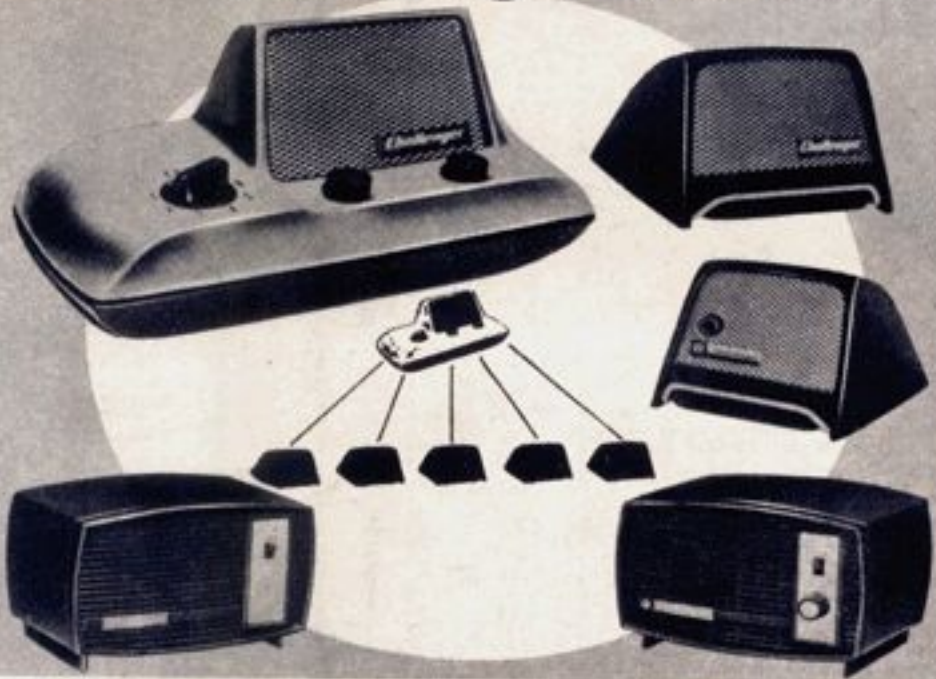
A43C100 CC-60.....\$5 Monthly, Net 40.88
4 or more, Net 38.15

JUST PLUG IN AND TALK!
NO WIRING REQUIRED

CATALOG PRICES: prices shown are net cash, and the lowest in effect at press time. We reserve the right to change prices without notice, due to

increases in cost or suggested re-sale prices or other conditions beyond our control — whether the change is a decrease or increase.

Challenger Intercom Systems



2-Station Intercom CHS-2

(D) Fills every need for two-station intercommunications. Complete with master, remote, and 50' of interconnecting cable. Master station has a volume control that controls both the master and the remote plus a talk-listen switch. Remote has a listen-talk and a privacy switch. 3-tubes, AC-DC. Ship. wt. 6 lbs.

A43CX070 List \$44.95... \$5 Mo. Net 23.97

Intermix-Intercom CHXR12

For combinations of 12 masters and remotes in any variation that best suits your particular requirements. Can also initiate calls to any of six CHXR12 masters. SPECIFICATIONS: 3-tube complement 25 watt consumption, AC-DC 12 ohm speaker. Ship. wt. 5 lbs.

A43CX073 List \$63.00... \$5 Mo. Net 37.78

CHM6A Master Station For 6 Satellite Stations

List \$45.95 **\$27.57**

Includes an "All-Call" Position

(A) For systems up to six stations. A dual-purpose unit housed in a cabinet of grey and black plastic; features volume control, press-to-talk button, seven-position selector including "all-call" and mute positions. Advanced circuit designs are used to insure durable and trouble-free operation. SPECIFICATIONS: 117 volt AC-DC, 3 tube complement, tri-stage amplification, 25 watt power consumption, 12 ohm speaker impedance. Ship. wt. 5 lbs. List \$45.95.

A43CX077 \$5 Monthly Net 27.57

Bogen Challenger Remotes

Sturdy attractive cabinet in black plastic color-complements master stations and contains matching Alnico magnet speaker. Full width call-initiating bar. 3 1/2" x 5 1/2" x 3 3/4". Ship. wt. 1 1/2 lbs.

(B) A43CX078, CHR Remote for CHM6A and CHM12A... Net ea. 7.77

(C) A43CX074, CHXR Remote for CHX-12 (use Easy Pay-Plan) Net 10.49

12 Station Master CHM12A

For systems up to 12 stations. Can be used with single master multiple or all master systems. A dual-purpose unit housed in a cabinet of grey and black plastic. Features 12 positions, similar to CHM6A except does not permit calling all stations simultaneously. SPECIFICATIONS: 117 Volts AC-DC, 12 ohm speaker, 25 watt power consumption, trouble-free operation. DIMENSIONS: 5 1/2" x 10 1/2" x 4 1/4". Ship. wt. 5 lbs. List \$49.95.

A43CX079..... \$5 Monthly, Net 27.97

TQ SERIES BOGEN PHONES

- Ideal Low-Cost Phone Intercom
- Systems for 2, 7, 13 Telephones

\$37.45 AND UP

Reach anyone you need, instantly, without leaving your desk. Simple push-button intercom—ideal for office, plant, store or home. Save time and energy and retain the confidential qualities of a regular telephone. May be desk or wall mtd. Model TQ-1: A two-station internal telephone-type system which provides instant two-way communication between two parties. Each handset contains a push button which activates a buzzer at the other station. Ship. wt. 5 lbs./unit.

A43CX042, TQ-1... \$5 Mo. per pair 37.45

Model TQ-6, and TQ-12: Selective-ringing telephone-type systems that provide instant two-way communication between as many as 13 stations simultaneously (TQ-12) (and up to 7 stations with the TQ-6). There are 6 buttons on the TQ-6, and 12 buttons on the TQ-12; each button activates a buzzer at one of the other stations.

A43CX043 TQ-6, 7 Station... Net 20.95

A43CX044 TQ-12, 13 Station... Net 22.45

Power Supply Model PRS-1: Services All of the TQ Systems above. Only 1 power supply unit required for each system. Ship. wt. 4 lbs.

A43CX045 PRS-1 \$5 Monthly, Net 22.50



CALL-SENDER INTERCOM SYSTEMS



CS-10, Complete 2-way System

Consists of a master-station with volume control and a sub-station, plus 50 ft. of 3-conductor wire. Master unit plugs into AC or DC outlet, has push-to-talk and release-to-listen top button. Master can transmit to sub-station but cannot eavesdrop when sub is off. Sub can send and receive. Master is designed for single or parallel sub-stations. Ideal for doctors, garages, stores, offices, etc. Mahogany cabinets. Wt. 5 lbs. List \$49.75.

A43CX047..... \$5 Monthly Net 29.95



CS-20, 2 To 6 Stations

A single master, in this system, will operate from two to six remote sub-stations. Master includes volume control and selector switch for calling any one remote or all remotes at once. Remotes may call master. Same quality parts as in CS-10. CS-20S, list \$12.50. Ship. wt. 1 1/2 lbs. CS-20, list \$44.95. Wt. 3 lbs.

A43CX048 Master... \$5 Monthly Net 26.43

A43CX049 Remote Net 7.35



CS-30, All Masters

The ultimate in intercom service, CS-30 Masters are designed for master-to-master operation so that any station may talk privately to any other or to ALL at one time. Up to 3 separate conversations may be carried on simultaneously. Systems may contain from 2 to 7 master stations.

List \$44.95. Ship. wt. 3 lbs.

A43CX050 \$5 Monthly. Each station 26.43



Stereo-Phone Headset

- Brilliant Realism! **\$24.45**
- Personalized Listening!

Model SP-3: Ideal for use in stereo record demonstration booths, or home Hi-Fi systems. Offers smooth wide range frequency response from 30 to 15,000 cps. Extremely comfortable, light and rugged. Impedance 4 ohms. Connect directly to amplifier output. Complete with 8' cord and plug. Ship. wt. 2 lbs.
A20CX541.....\$5 Monthly, Net 24.45



Stereophonic Headphones

Stereo-Phone Amplifier

- A** Model A-1220 Stereo-Phone Amplifier: For use with Stereo-phones. Can be connected directly to a stereo ceramic cartridge or to outputs of pre-amps on stereo recorder or tuner. Has 2 stereo jacks, gain control for each channel and 2 input jacks. Wt. 4 lbs.
A20C545.....\$5 Monthly, Net 34.25
- B** Matching Transformers Model T-1.
A20C542 Ship. wt. 1 1/2 lbs...Net 6.81
Junction Box, Model T-5.
A20C544 Ship. wt. 1 1/2 lbs.....Net 7.79



Port-A-Pac Model K-29

- C** Designed for use with all high-impedance tape recorders such as Ampex, Bell, Pentron, Webcor, V-M, Revere, Viking, or Wollensack. Port-A-Pac consists of one set of Stereophones and Model A-1220 Amplifier efficiently packed in attractive portable carrying case. Complete Separation of Stereo Sound Channels. Allows you to enjoy Stereo playback with Concert hall realism. Ship. wt. 2 lbs.
A20CX546.....\$5 Monthly, Net 63.21

CLEVITE "Brush" Crystal Headphones



BRUSH HI-FI HEADPHONES

- D** Model BA-220: Essentially flat from 50 to 10,000 cps. Impedance high (50,000 ohms on monophonic), (100,000 ohms stereophonic). For greater comfort, cord connects to only one side of the headset. Converts from mono to stereo in one simple change in plug.
A20C524.....\$5 Monthly, Net 29.35
- E** Model BA-206: Exceptionally flat frequency response. Impedance 100,000 ohms. No transformer required. Metal-seal crystal for protection against high humidity. "Bimorph" crystal drive element. With 5 ft. cord and headband. Wt. 2 lbs.
A20C403.....\$5 Monthly, Net 24.25
A20C521 Binaural.....\$5 Monthly, 25.63

GENERAL PURPOSE HEADPHONES

- F** Model BA-200: Uniform response (100 to 5,000 cps) and high sensitivity. High impedance; ideal for multiple installations. Complete with 5-ft. cord and adjustable lock-type headband. Ship. wt. 2 lbs.
A20C401 BA-200.....Net 14.70
A20C523 BA-200B, Binaural.....Net 16.02
- G** Single Phone Model BA-201: Particularly adapted to individual or group hearing aid and radio applications, speech classes. Multiple installations. Spring steel headband with soft rubber and cushion to eliminate slipping. Complete with 5-foot cord and headband.
A20C398 BA-201, Ship. wt. 2 lbs. Net 9.75

EXTENDED RANGE MODEL BA-205

- H** Extended frequency response over the general purpose phones is a primary requisite in many laboratory applications. These special headphones provide a controlled frequency response from 50 to 8,000 cycles per second. Especially suited for monitoring, sound measurement, audiometry, hi-fi music listening. Impedance—50,000 ohms at 1000 cycles. Sensitivity—3 dynes/cm²/volt at 1000 cps. Ship. wt. 2 lbs.
A20C389 BA-205, \$5 Monthly...Net 22.05
A20C522 BA-205B, Binaural...\$5 Mo. 23.37
- Ear Cushions. Exclude distracting noise.
A20C520 BA-215, Wt. 1 lb. Net pair 2.59

TELEX Headphones and Accessories



- J** CAA-APPROVED TWINSET — Matched magneto receivers rest on the temples away from ears. Sound is piped into ear through slender sound arm mounted on ball-and-socket joint! Ear tip adjusts to fit into ear but may be floated a fraction of an inch away so that nothing touches the ear! Net weight only 1.6 oz. Blocks out background noise! HTW-2 ohm model has FAA approval for pilots, each stamped CAA-TC 32R1 type approved. Non aviation users may prefer 1000 ohm model HTX-2. Ship. wt. 1 lb. W/std. 5' cord.
A20C480 HTW-2; 500 ohm.
List 21.00.....Net 12.60
A20C284 HTX-2; 1000 ohm.
List 21.00.....Net 12.60
- New Magnetic Earphone.** Developed for use in portable radios, earphones, and other electroacoustic devices.

| Cat. No. | Telex | Imp Ohms | DC Ohms | Max DC Ma* |
|----------|--------|----------|---------|------------|
| A20C081 | RTR-04 | 15 | 5 | 30 |
| A20C082 | RTV-04 | 128 | 44 | 12 |
| A20C083 | RTW-04 | 500 | 150 | 6 |
| A20C084 | RTX-04 | 1000 | 318 | 4 |
| A20C085 | RTY-04 | 2000 | 570 | 2 |

*Without polarizing. Ship. wt. 2 oz.
Each less cord, List 5.60.....Net 3.36
Telex Pillow Speaker: For radio and TV. Ideal for hospitals, hotels, etc. Wt. 1.1 oz.
A20C488 128 ohms, List 10.70...Net 6.42
A20C489 2000 ohms, List 10.70, Net 6.42

- K** NEW 50-8000 CPS HIGH FIDELITY TELEX DYNASET — Model D-7—now high fidelity Telex underchin dynamic headset with a subminiature 6 ohm 3/4" dia. speaker built into the plug! Ideal for every headset use and the 50-8000 cycle response makes the new D-7 the natural choice of music lovers. Ship. wt. 6 oz. List \$14.75.
A20C075 HUP-01.....Net 8.85

TELEX TELE-FI—3-D listening achieved by Tele-Fi construction technique wherein sound reaches one ear 1/1000 of a second after other. 1/2-oz. wt.; foam plastic ear-tips. Freq. response: 60 to 6000 cps. Sensitivity: comfortable listening at 1 mw input. Continuous single tone arm of durable tenite. Replaceable foam rubber ear-tips. Teletin receiver snaps on headset. Lightweight single cord.
A20C092 HFR-91 Gray, 15 ohms. Net 7.41
A20C093 HFX-91 Brown, 1000 ohms Net 7.41

- TELEX EARSET** — New modern headphone that slips onto the ear. Flat plastic frame holds phone in place, can't fall off, fits either left or right ear. Net weight only 1/2 oz. is ideal for office use or lengthy listening. 50-4000 cps. Removable 5-ft. cord.
A20C482 EPV-2, 128 Ohms,
List \$10.00.....Net 6.00
A20C483 EPX-2, 1000 Ohms,
List \$10.70.....Net 6.00

- L** TELEX DYNA-TWIN STEREO HEADSET. The ideal headset wherever faithful reproduction is important. No problem of proper furniture or speaker placement. Lightweight and compact. Uniform listening response of 30 to 15,000 cycles. Mylar diaphragm, self supporting voice coil. Imp.: std. 6 ohms. Wt. 1 lb.
A20C086.....\$5 Monthly, Net 20.38

M TELEX-TWIN STEREPHONIC. Provide low cost balanced stereo, unhampered by the distorting limitations of physical environment. W/cord. *W/dual volume control. 1 lb.

| Cat. No. | Description | Type | List | Net |
|----------|----------------|---------|-------|-------|
| A20C065 | Low Impedance | HAV-13 | 22.50 | 13.50 |
| A20C066 | High Impedance | HAY-13 | 22.50 | 13.50 |
| A20C067 | Low Impedance | *HAV-73 | 39.00 | 23.40 |
| A20C068 | High Impedance | *HAY-73 | 39.00 | 23.40 |

TELEX DYNAMIC PILLOW SPEAKER — Only 1 1/4" thick, has dynamic type floating coil assembly. Cord easily removed, replaced. Durable, tarnish-proof stainless steel with shock-absorbing ring of polyethylene for added protection. Ship. Wt. 4 oz.
A20C490 SDN-2, 3.2 Ohms, List \$10.20.
.....Net 6.12
A20C491 SDM-2, 10,000 Ohms, List \$12.10.
.....Net 7.26

- N** TELEX PRIVATE TV "LISTENER" — Provides clear, quiet TV, radio listening. Incl. 10' cord earset with 10' cord.
A20C091 Telex LCP-90.....Net 9.75

Now 2-way Radio Telephones at Lowest Price Ever!

NEW, EASY BUDGET TERMS
ONLY \$2 Down, \$5 Monthly!



- Transmit and Receive
- No FCC Exams

\$35.95

- 22 Channel Transmitter
- 22 Channel Receiver
- All 22 Crystals Available

RADIO SHACK'S Citizens' Band Transceiver NOW AVAILABLE TWO WAYS—Wired or Kit Form

A Radio Shack's Famous Citizens' Band Transceiver can be operated without taking FCC exams! Available in either kit or wired form. Precisely designed by Radio Shack engineers to meet all FCC requirements, this transceiver kit gives leisure time enjoyment and education to professional men, hobbyists, electronic enthusiasts... all this and 2-way radio communication too! Can be used anywhere you need two-way operation; for camping, boats, farms, sports, business, mining and even the home.

Pre-tuned, sealed oscillator circuit meets FCC regulations. Precision crystals assure accurate frequency stability. This unit can be used as a 22 channel transmitter or receiver, and all 22 crystals are readily available from Radio Shack. It has full 5-tube operation with up to 5 watt input. Comes complete with precision crystal, tubes, microphone, antenna, and all the necessary parts. It can be used in your car with a converter and a mobile antenna. A 16 page fully illustrated instruction booklet is included.

A45DX136 Kit, Ship. wt. 11 lbs. \$5 Monthly, Net 35.95
A45DX137 Wired, Ship. wt. 11 lbs. \$5 Monthly, Net 44.50
A45DX218 Petersen Crystal Z-9A. Specify frequency desired. Net 2.95

B CITIZENS' BAND 11 METER 102" WHIP, BASE, SPRING—Mobile antenna complete with base, spring, and 102" whip. Includes 12 feet of RG-58U cable with terminal plug for transceiver, and terminal lugs for the antenna. Complete with gutter clip and instruction sheet for easy installation. Wt. 8 lbs.
A29DX031 Model 11-27A. \$2 Down, Net 13.95

C CITIZENS' BAND GROUND PLANE RADIAL ANTENNA — Ideal for home or office use with the Radio Shack TRC-27 Transceiver. Complete kit consists of a mounting bracket to fit a 1 1/4" O.D. mast or 3/4" IPS pipe, antenna radiator and radials fabricated from aluminum, 50' RG-58U cable with plug and lug terminals. Complete with instructions. Ship. wt. 5 lbs.
A29DX033 Model 11-27B. \$2 Down, Net 16.95

D CITIZENS' MOBILE ANTENNA WITH MOUNT, 102" WHIP — Model MB-24TA. Ideal for mobile use with new Realistic TRC-27 transceiver. Complete assembly includes a double chain bumper mount, spring, 102" whip, and 12 feet of RG-58U coaxial cable with plug and lug terminals for the transceiver and antenna plus gutter clip and instructions. Ship. wt. 12 lbs.
A29DX032 Model 11-27C. \$2 Down, Net 15.95



New
Easy Budget
Plan
SEE PAGE 3



Sonar

Depth
Indicator

ONLY \$6 MONTHLY **\$114.95**

SONAR MODEL D-60 TRANSISTORIZED DEPTH INDICATOR—Small and light enough to hold in one hand, easy to install anywhere on any size boat, yet sensitive enough to read up to 120'. Takes the guess work out of navigating in shallow waters or unknown channels. Ideal for finding fish and for skin divers. Built for years of service. Easy-to-read scale reads to 60' on first revolution, 120' on second in 1 foot intervals. Governor controlled, DC 12 or 6 volt. Ship. wt. 7 lbs.

A45DX341 D-60. 12 V. \$6 Monthly, Net 114.95
A45DX342 D-60. 6 V. \$6 Monthly, Net 114.95



Sonar

Marine Radio Telephone

VANGUARD Only \$14 Monthly **\$299.95**

A portable-type 5-channel 35-Watt marine radio telephone. Powerful enough for the largest cruiser, yet has an extremely low current drain which is ideal for the smallest outboard. Easy to install and remove from its gimbal mount in seconds. Accurately pre-tuned in the factory for years of trouble-free service. Equipped with 6 crystals, 13' antenna, mounting blocks, gimbal mount, microphone and separate power supply (for mounting anywhere on the boat). Comes either 6 or 12V. Meets all FCC regulations. Ship. wt. 9 lbs.

A45DX327 M35WBA 6V. \$14 Monthly, Net 299.95
A45DX328 M35WBA 12V. \$14 Monthly, Net 299.95

Citizens' Band Transceivers



\$5.00 Monthly **\$89.95**

Eico Citizens' Band Transceiver

As easy to operate as an intercom, no previous skill or experience is necessary. Any citizen over 18 can get a station license. Easy to build from the kit with the crystal oscillator circuit elements supplied pre-set and sealed. Just change crystals to change from one channel to another. Has 5 watt input for transmitter, operates on any one of 22 channels. Units come complete.

| | | | | |
|----------|------|---------------------------|---------------|-----------|
| A44DX649 | #760 | 117 VAC only, wired |\$5 mo., | Net 89.95 |
| A44DX648 | #760 | 117 VAC only, kit |\$5 mo., | Net 59.95 |
| A44DX651 | #761 | 117 VAC and 6 VDC, wired |\$5 mo., | Net 99.95 |
| A44DX650 | #761 | 117 VAC and 6 VDC, kit |\$5 mo., | Net 69.95 |
| A44DX653 | #762 | 117 VAC and 12 VDC, wired |\$5 mo., | Net 99.95 |
| A44DX652 | #762 | 117 VAC and 12 VDC, kit |\$5 mo., | Net 69.95 |



\$7 MONTHLY **144.95**

Tecraft 'Falcon' Radiophone

Extremely compact and versatile transceiver. Can be operated in either the vertical or horizontal position. Fits any location in your home, office, boat or car. It transmits on any two citizens' band channels. Receiver is tunable on 22 channels and/or crystal controlled on any single channel. Operates from 6 or 12 VDC power supply and 115 VAC. Has a tuck away microphone and power cable which store in a sliding door compartment. Has fixed crystal control operation at the flip of a switch. Also has adjustable squelch control, series gate noise limiter, automatic volume control, double-conversion superhet receiver, 5 watt input to transmitter, 11 tubes. It meets all FCC requirements. 13 x 4 1/2 x 9 1/2".

A44DX685.....Only \$7 Monthly, Net 144.95

Gonset, Globe, Johnson



A Johnson 'Messenger' TRANSCEIVER—A complete 10-tube transmitter-receiver. Compact and light, can be used anywhere. Simple, easy to operate. Choice of 5 of 22 available channels. Only 5 1/2" x 7" x 11 1/2".
A45DX025 115 VAC & 12 VDC. Net 144.95
A45DX026 115 VAC & 6 VDC...Net 144.95

B GLOBE CB-100

CITIZENS BROADCASTER—May be used by anyone, anywhere! For business or pleasure, vacationing, sporting, office, hunting, club activities, dispatching, surveying, etc. Stylishly designed for the living room, it makes a welcome companion anywhere. Completely self-contained, it includes crystals for one channel and a push-to-talk microphone. Choice of 3 channels, jack for remote control speaker, squelch control, input 5 watts, crystal controlled, covers all channels, simple operation. Comes in two models; 115 VAC and 12 VDC, 115 VAC and 6 VDC.
A45DX159 CB-100,
115 VAC & 12 VDC.....Net 129.95
A45DX159A DC Cable for 12 V...Net 2.75
A45DX158 CB-100,
115 VAC & 6 VDC.....Net 129.95
A45DX158A DC Cable for 6 V...Net 2.75



C GONSET G-12
2-WAY RADIO — Has hundreds of uses. Units may be operated together as a system. Gives 2-way contact between fixed and mobile stations. No FCC exams. Has 4 crystal controlled channels, allows various stations in system. Simple to operate, rugged construction. Ship. wt. 13 lbs.
A45DX736 117 VAC & 12 VDC
3316.....Net 149.95
A45DX737 117 VAC & 6 VDC
3329.....Net 149.95

D New GLOBE CB-200

TRANSCEIVER — A versatile five channel instrument. Ideal for the factory, lift trucks, delivery, boating, construction, sports, auto and home. No FCC exams necessary to operate it. Transmit on 1 of 5 channels, monitor all 22. Has dual conversion receiver to eliminate adjacent interference; squelch and noise limiter; is extremely quiet. Gives high sensitivity for weak stations. Simple controls; microphone has coil cord and removable plug. Only 4" x 12" x 10". Operates on 110 VAC or 12 VDC.
A44DX743 CB-200...\$13 Mo, Net 179.95
A44DX744 12 Volt Cable.....Net 3.95



E New GONSET G-11
CITIZENS COMMUNICATOR—Simple "one-hand" operation. Many uses in industry, home sports, recreation. This unit is crystal controlled. Meets FCC requirements, has wide-range. Is compact and lightweight. Only 5 1/2" x 6 1/2" x 6 1/2". Comes in three models.
A45DX785 3303—12 VDC...Net 124.50
A45DX786 3304—6 VDC.....Net 124.50
A45DX162 3305—115 VAC.....Net 124.50

F NEW GLOBE 'Pocketphone'

Portable, two-way radio that actually fits in your pocket. Power-pak battery lasts a year and is rechargeable. For factories, surveying, sports. Has built-in ferrite antenna. Can be used with CB-100 or CB-200. 1/2-1 mile range.
A44DX745 Ship. wt. 2 1/2 lbs...Net 125.00

USE RADIO SHACK'S EASY BUDGET PLAN
No Minimum Amount
See PAGE 3 for Details

hallicrafters

TRANSCEIVERS



COMPLETE HAM STATION

\$395⁰⁰ Only
\$19 Monthly

- For 2 and 6 meters, CW or Phone
- Operates from 115VAC • Retractable whip
- Transmitter: 4 crystals switch
- Receiver: Dual conversion super-het

A HALLICRAFTERS 2-6 METER SR-34 RECEIVER-TRANSMITTER — F.C.D.A. approved, high-performance Hallicrafter radio station for AM and CW. Operates from 115V, 50-60 cycles. Retractable whip antenna. Up to 4 quartz transmitting crystals switch-selected from front panel. 5th position of switch for plug-in connection to external V.F.O. 7-8 watts AM output 100% modulated. 49-54 MC and 144-148.5 MC. Double conversion super-het receiver with quartz-crystal-controlled 2nd oscillator. Outstanding selectivity, high image, spurious signal rejection. Separate R.F. and oscillator sections for each band. Sensitivity 1 MV for 10 db signal to noise ratio. Ship. wt. 45 lbs.
A45DX319 AC only.....\$19.00 Monthly, Net **395.00**

B HALLICRAFTERS MODEL HT-33A LINEAR KILOWATT AMPLIFIER —Has extra heavy duty components. Rated at maximum legal-limit. Highly efficient, effortless operation, gives one of the biggest signals on the band.
SPECIFICATIONS: Built-in r.f. output meter to simplify tune-up. Covers 80 thru 10 meter amateur bands. Pi-network for maximum harmonic suppression. Variable output loading. All important circuits metered. Power supply protected by circuit breaker. Matches HT-32A in power requirements, size. Tubes: one PL-172 high power pentode; two 866AX rectifiers, 4 OA2 screen regulators. Meter selector, filament switch, bias adjustment, band switch, plate tuning, plate loading panel controls.
A45DX318 HT-33A.....\$37.50 Monthly, Net **795.00**

C SSB AM-CW TRANSMITTER MODEL HT-32A—Amateur band transmitter providing AM, SSB, or CW output on 80, 40, 20, 15, and 10 meter bands. Offers: 5.0 c. quartz crystal filter to cut unwanted sideband 50 db or more; Bridged-tee modulator to make HT-32A extremely stable. 144 watts plate input (P.E.P. two-tone). Distortion products down 30 db or more. Precision gear-driven C.T.O. Exclusive Hallicrafters patented sideband operation. 20"Wx10"Hx16"D. Wt. 85 lbs.
A45DX317 HT-32A.....\$32.50 Monthly, Net **695.00**

D HALLICRAFTERS SX-100—Frequency range 538-1580 kc, 1720 kc—34 mc. Has "Tee-Notch" filter with associated balance or notch depth control; operates at 50 kc, provides rugged, stable system, superior to a Q multiplier. Features: antenna trimmer; 100 kc evacuated quartz crystal marker; 2nd conversion oscillator crystal controlled; selectable side band operation; low drift, 15 tubes: 6CB6 r.f., 6AU6 1st converter, 6C4 oscillator, 6BA6 2nd converter, 12AT7 dual crystal 2nd converters, 2 6BE6 50 kc i.f. amplifiers, 6BE6 50 kc mixer type 2nd detector, 6AL5 AVC noise limiter, 6SC7 1st audio and BFO, 6K6 power output, 5Y3 rectifier, OA-2 voltage regulator, 6CU Tee-Notch coupling tube, 6AU6 100 kc quartz oscillator tube. 115 VAC, 60 cycles. 18"x8"x10". Ship. wt. 43 lbs.
A45DX300 SX-100.....\$14.00 Monthly, Net **295.00**



E HALLICRAFTERS MODEL S-107—This handsomely styled unit has standard broadcast bands from 540 to 1630 kilocycles, plus four short wave bands over 2.5-31 and 48-54.5 megacycles. Intermediate frequency: 455 kilocycles. Main tuning in megacycles. Separate electrical bandspread with 0-100 logging scale plus calibration for 6.3-16 mc, 14-31 mc and 48-54.5 mc. AM/CW switch, sensitivity/phono control, noise limiter switch, on/off/volume, two-position tone switch. Five position rotary wafer switch for band change. Separate 2-section tuning capacitor assemblies for main tuning and band spread tuning. Slide rule dial, phono jack, headphone tip jacks, 4x6" PM speaker and universal impedance output for headset. TUBES: 6C4, 6BA6, (2) 6BA6, 6AL5, 6K6GT, 5Y3GT, rectifier. Sturdy gray steel case, 13"x6"x8". Wt. approx. 18 1/2 lbs.
A45DX322 S-107.....\$5.00 Monthly, Net **94.95**

F HALLICRAFTERS SX-101A RECEIVER—Rugged, dependable. Has five bands: 80, 40, 20, 15, 10 meters plus converter-band calibrated for 2 and 6 meters. Large slide rule dial. Band-in-use scales individually illuminated. Dual scale S-meter, special 10 mc position for WWV. Dual conversion, upper/lower side band selection. Second conversion oscillator quartz crystal controlled. Tee Notch filter. Gear driven tuning knob. Built-in precision 100 kc marker crystal. 5 step selectivity, 500-5000 cycles. Separate detectors for AM and SSB/CW reception. Series noise limiter for noise reduction. 52-ohm antenna input. Panel has tuning knob with 0-100 logging dial, antenna trimmer, R.F. gain, selectivity. 14 tubes plus voltage regulator and rectifier. 20" wide, 10 1/2" high, 16" deep. Panel size: 8"x19". Ship. wt. approx. 74 lbs.
A45DX303 SX-101A.....\$19 Monthly, Net **399.50**

G HALLICRAFTERS MODEL S-38E—A highly sensitive all-wave receiver, ideal for communications service. Compact and lightweight for traveling. Distinctive styling and quality workmanship put it far ahead in the low price field. Has a large, easy-to-read overseas dial, separate electrical bandspread dial with 0-100 scale. Broadcast band, 540 kc to 1650 kc. Three shortwave bands: Band 1, 1.65-5 mc; band 2, 5-14.5 mc; band 3, 13.5-32 mc. Main dial calibrated in megacycles; electrical bandspread dial for ultra-fine tuning. AM-CW switch turns on automatic volume control in AM position. Standby receiver switch, antenna terminals for doublet or single wire antenna. Tip jacks for headphones. Internal PM speaker mounted in top of gray cabinet. Vernier driven slide rule dial, adjustable BFO level for code reception. Has five tubes: 35W4 rectifier, 50C5 audio output, 12AU6 amplifier and B.F.O., 12BE6 converter. Operates on 105-125 volts AC or DC. Size: 12"x7"x9 1/4". Wt. 14 lbs.
A45DX313 S-38E.....\$5 Monthly, Net **59.95**
A45DX311 S-38EM, Mahogany.....\$5 Monthly, Net **59.95**
A45DX312 S-38EB, Blond.....\$5 Monthly, Net **59.95**



H 129.95
\$6.00 Monthly



K 64.95
\$5.00 Monthly



M 249.50
\$11.50 Monthly



J 450.00
\$21.00 Monthly



L 159.95
\$8.50 Monthly



N 79.95
\$5.00 Monthly

WE TRADE BIG!!!
Write for a Liberal Trade In Allowance Toward a New Transmitter or Receiver. Use Your Present Equipment As a Down Payment.

hallicrafters

TRANSMITTERS, RECEIVERS, TRANSCEIVERS

H HALLCRAFTERS MODEL S-108 RECEIVER—Slide rule dial bandspread calibrated on 10, 15, 20, 40 and 80 meter amateur bands. One r.f., two i.f. and separate bandspread tuning condenser. Temperature compensated oscillator and built-in speaker. Panel controls: sensitivity, band selector, tuning, bandspread, volume, AVC, noise limiter, AM/CW, pitch control, standby/receive, and on/off/tone. Frequency coverage: Broadcast band 540-1600 kc plus three short-wave bands 1550 kc to 34 mc. TUBES: 6SG7, 6SA7, (2) 6SK7, 6SC7, 6K6GT, 6H6, plus 5Y3GT rectifier. External connections: terminals for single or double antenna, headphone jack. External antenna provided. 105-205 V, 50-60 cycles A.C. Gray steel cabinet. Size: 18 3/4" wide, x 8" high x 10 3/4" deep. Ship. wt. 32 lbs.

A45DX323 S-108.....\$6 Monthly, Net 129.95

J HALLCRAFTERS MODEL HT-37 TRANSMITTER—Employs a phasing type side band generator. At signal frequency, all tubes, most components and voltages are equal to the HT-32A. A complete table top, high efficiency amateur band transmitter with SSB, AM or CW output on 80, 40, 20, 15, and 10 meters. Features modern styling, instant CW calibration from any mode, precision V.F.O., 52 ohm pi network output for harmonic suppression. Dual range meter for accurate tuning, full voice control system built-in. Distortion products down 30 db or more, carrier suppression down 50 db, both sidebands transmitted on AM. 12 tubes, 2 rectifiers and a voltage regulator. Has microphone connector, key jack, co-ax antenna connector.

A45DX349 HT-37.....\$21 Monthly, Net 450.00

K HALLCRAFTERS S-94 AND S-95 CIVIL RECEIVERS—C-P receiver 10 times as sensitive, has increased audio power output; includes adjustable built-in relay squelch system that completely disables entire audio system. Low noise grounded grid RF amplifier. Wide impedance range antenna input system for maximum performance with any antenna. Low oscillator radiation; greater frequency stability. Sensitivity under 1 1/2 wv. Built-in speaker. Intermediate frequency, 10.7 mc. Ganged 2 section tuning capacitor assembly. Circular dial calibrated in megacycles and principal service channels. 0-100 logging scale. Universal headphone output impedance. Eight tubes plus one rectifier. S-94 covers 30-50 mc. S-95 covers 152-173 mc. Size: 12 1/2"x7 3/4". Ship. wt. approximately 13 lbs.

A45DX307 S-94.....\$5 Monthly, Net 64.95
A45DX308 S-95.....\$5 Monthly, Net 64.95

L HALLCRAFTERS MODEL SX-110 RECEIVER—Slide rule dial, calibrated electrical bandspread over the 10, 15, 20, 40 and 80 meter amateur bands. Separate bandspread tuning condenser, crystal filter, antenna trimmer, S-meter, one RF, two IF stages. Frequency coverage: broadcast band 540-1600 kc; 3 short wave bands cover 1550 kc to 34 mc. Has terminals for doublet or single wire antenna plus terminals for 3.2 and 500 ohm speakers. Has seven tubes plus one rectifier. Gray steel cabinet. 105-125 V, 50-60 cycle, AC. Size: 18 3/4"x8"x10 3/4". Ship. wt. 32 lbs.

A455X324 SX-110.....\$8.50 Monthly, Net 159.95

M HALLCRAFTERS MODEL SX-111 RECEIVER—An exceptional receiver with a sensitivity of 1 microvolt on all bands and 5 steps of selectivity from 500 to 5000 cps. Dual conversion, selectable sideband. Covers 80, 40, 20, 15, and 10 meters in 5 bands. A 6th band tunable to 10 mc for crystal calibration with WWV. High stability and high performance. Has Tee Notch filter, antenna trimmer, second conversion oscillator crystal controlled, 100 kc crystal calibrator. Covers: 3.5-4.0 mc, 7.0-7.3 mc, 14.0-14.4 mc, 21.0-21.5 mc, 28.0-29.7 mc and 6-10 mc WWV. Has terminals for 3.2 and 500 ohm speakers, single wire or co-ax fed antenna. S-meter electrical adjustment. 10 tubes plus voltage regulator and rectifier.

A45DX325 SX-111.....\$11.50 Monthly, Net 249.50

N HALLCRAFTERS MODEL HA-1 T.O. KEYS—A new electronic keyer for the CW operator who demands perfection. This unit uses digital techniques, and its advanced circuitry features a constant dot-to-space-to-dash over the entire speed range. All timing circuits are electronic, not affected by variations in relays. Uses four dual purpose triodes, two voltage regulators, and three semi-conductor diodes. Transformer operated. Has factory set DC balance, dot duration control, head set jack, and octal socket for circuit connections to transmitter. Dot speeds up to 100 dots per second. Vacuum-sealed, mercury wetted contact life is over one hundred times greater than conventional relays. Speed: dual calibration, 10-30 or 25-65 W.P.M. 7x5x7".

A45DX316 HA-1.....\$5 Monthly, Net 79.95

P HALLCRAFTERS R-47 SPEAKER—Flat frequency response over a range of 300 to 2850 cps with a very rapid drop in output above and below the cutoff points. Designed for speech and CW reproduction only. Input impedance 3.2 ohms. Effective on SSB. Size: 5 1/2" x 5 1/4" x 3 1/2". Matches SX-99, SX-100, and SX-101. Ship. wt. approx. 2 1/2 lbs.

A45DX321 R-47.....\$5 Monthly, Net 12.95

R-48 SPEAKER—For use with Hallcrafters SX-101A, SX62A, SX-100, SX-110 or other receivers having 3.2 ohm output impedance. Fidelity switch at rear permits selection of music or voice response. Gray steel cabinet. 6 1/2" x 13 1/4" x 8 3/4".

A45DX385 R-48.....Net 19.95

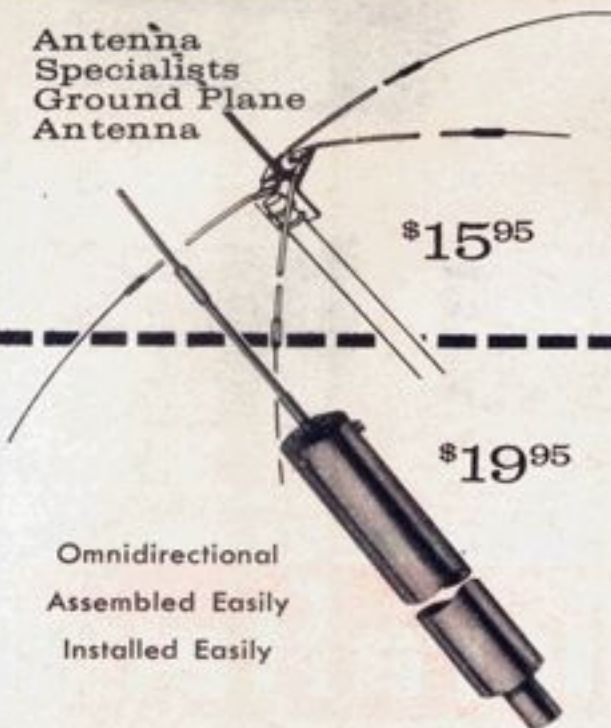


For Orders Over \$500 Write For Information On Special Budget Terms

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CITIZENS BAND ANTENNAS

Antenna Specialists Ground Plane Antenna



- Solid Aluminum Heat Treated Elements
- Radials Droop to Offer 50 OHM Match
- Easy—Quick Installation
- Original Equipment Acceptance
- Portable—Easy to Carry

27 mc quality citizens band antenna has features normally found only in antennas costing much more! Radials and radiator are 108" long—made up of two 54" sections joined by a threaded coupling nut. Coax fitting accepts PL 259. Radials equipped with anti-twist pins. Ship. wt. 5 lbs.
A29DX088 MC 27.....\$2 Down, Net 15.95

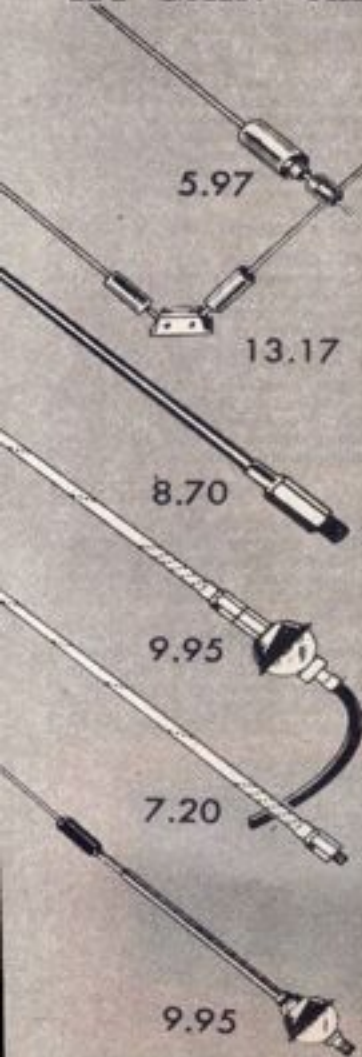
Omnidirectional
Assembled Easily
Installed Easily

M-36 COAXIAL Antenna

Ideal for fixed station citizens band use. Provides inconspicuous mounting and obtains maximum efficiency by providing vertical-to-vertical communication. This 1/2 wave length coaxial antenna is omni-directional and lowers the angle of radiation. It is built for operation with 52 ohm cable. 9 foot jointed solid aluminum 3/4 wave length vertical radiator bolts to a 9 foot long 2" diameter 3/4 wave length aluminum skirt. Total height is 18 feet. The bottom of the top radiator element accepts PL-259 connector. Two insulating spacers are provided at the center and base of the skirt. An insert at the top of the skirt accepts 3/4" IPS mounting pipe. Extremely easy to assemble and install in either roof-top or side mount applications. Shipping weight 7 lbs.

A29DX089 M 36.....\$2 Down, Net 19.95
NOTE: Cutting charts available for cutting models MC 27 and M 36 for 27 to 54 mc.

HY-GAIN—Antenna Specialists



CITIZENS' WHIP — Beautifully chrome plated whip designed for transceiver mounting. May also be used with Hy-Gain auto door mount for mobile use. Extends to 45" and retracts to only 15". Complete with PL259 connector. Ship. wt. 6 lb.
A29D001 Hy-Gain CW...Net 5.97

CITIZENS' DIPOLE — High-efficiency Citizens "Rabbit Ears" for top performance indoor or portable use. Telescoping chrome plated whips extend to 45" or retracts to 15" for easy storage and carrying. Shipping weight 5 lb.
A29D002 Hy-Gain CD...Net 13.17

CITIZENS' MOBILE DISGUISE ANTENNA — Similar in appearance to standard AM auto whip. May be mounted quickly on standard auto mounting base. Extends 73 inches—retracts to 23". Heavily chrome plated. Perfect 50 ohm match. Ship. wt. 5 lb.
A29D003 Hy-Gain.....Net 8.70

FIBERGLAS MOBILE ANTENNA—M-52—Fiberglass mobile antenna provides excellent radiation pattern. 4 foot length eliminates striking overhead objects. Furnished with 5 feet of RG-58/U coax terminating in PL-259 connection. Ship. wt. 5 lb.
A29DX060 Anten. Spec. Net 9.95

CONTINUOUSLY LOADED WHIP—M-53 for 27 mc Citizens Band. Four feet high — white plastic covered. Continuously wound conductor—50 ohm match. 3/4" 24 threaded ferrule. Shipping weight 5 lb.
A29DX061 Anten. Spec. Net 7.20

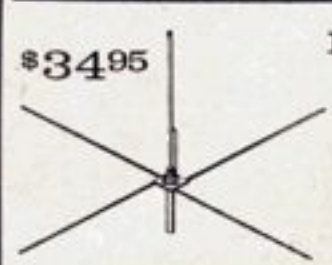
CENTER LOADED ANTENNA — Beauty and performance in one package. Excellent horizontal pattern—eliminates fading when changing direction. Collapsible chrome plated tube assembly and stainless steel whip. Extends 60". Ship. wt. 4 lbs.
A29DX062 M 49.....Net 9.95

Citizens' Band Antennas



- Heavy Gauge Aluminum
- Corrosion Proof

3 ELEMENT BEAM—Best for point-to-point communication. Increases effective input to 40 watts. Boom is 12' long. Wind load 78 lb. Maximum turning radius 9.5 ft. Can be turned with heavy duty TV rotor. Ship. wt. 7 lbs. \$5 Mo.
A29DX234 A-311 Net 37.50



For Citizens' Band

MODEL V-27-GP — Ground plane vertical for base station antenna. 360 degree pattern and vertical polarization for effective communication with mobiles. High impact polystyrene base with internal coax fitting. Complete with guy-lines, less RG-8/U. Ship. wt. 11 lbs.
A29DX235...\$5 Monthly, Net 34.95

GLOBE Accessories

GLOBE TENNA-METER — Insures proper tuning of any citizens band transmitter for maximum range and efficiency. Accurately tunes for maximum power radiation from the antenna and determines antenna performing efficiency. Shipping weight 1 1/2 lbs.
A44DX741 \$2 Down, Net 15.95



GENERATOR NOISE SUPPRESSOR — For 11 meter citizens band and 10-15-20 meter amateur bands. Electrically the GNS-1 is a parallel tuned circuit inserted in series with the car generator output. It is adjustable and will effectively block generator noise in the 10-30 mc range. Moisture sealed, easily installed, mounting bracket included. Shipping weight 1/2 lb.
A44DX742 GNS-1.....Net 4.95





NEW! 90 WATT CW TRANSMITTER KIT OR FULLY WIRED!

Own it Now!—Use Radio Shack's
Easy Budget Plan—See Page 3

A very "clean" band switching amateur transmitter... ideal for either the seasoned veteran or novice operator. Features one-knob power, tune and operate switch, one-knob band switching, final amplifier grid drive control without detuning oscillator, oscillator keying for break-in operation, matching antennas from 50 to 1000 ohms. External plate modulation terminals permit use as an AM phone transmitter delivering up to 65 watts plate power input with the EICO Model 730 Modulator. Completely sealed cabinet and careful bypassing and choking of all input and output leads give effective TVI suppression. Protection of final amplifier is provided by a clamper tube circuit, when a loss of excitation exists. Power input: 90 watts CW, 65 watts AM phone. Band Coverage: 80, 40, 20, 15, 10, meters. Operation: XTAL., EXT., VFO. Power requirements: 115 volts, 60 cps, 175 watts. Size: 15" x 5" x 9".

A44DX640 720-K Kit.....\$5 Monthly, Net 79.95
A44DX641 720-W Wired.....\$6 Monthly, Net 119.95



\$5 MONTHLY **\$79⁹⁵** Kit



\$5 Monthly **\$49⁹⁵**

Hi-Level Modulator Driver

Output Transformer Matching Impedances: 500 to 10,000 ohms. Inputs: low level, high impedance crystal or dynamic mikes. High level, low impedance phone patch etc. Power requirements: 117 volts, 60 cps. 6" x 14" x 8". Ship. wt. 23 lbs.
A44DX642 730-K ..\$5 Monthly, Net 49.95
A44DX643 730-W ..\$5 Monthly, Net 79.95



\$29⁹⁵

Grid Dip Meter Kit

Basically a VFO with microammeter in its grid circuit, it determines frequency of other oscillators or tuned circuits. Range 400 kc to 250 mc. Meter Movement: 500 μ a. Tuning condenser equipped with 7:1 planetary drive. 117 v, 60 cps. Ship. wt. 4 lbs.
A44DX644 Kit ..\$5 Monthly, Net 29.95
A44DX645 Wired ..\$5 Monthly, Net 49.95

Code Practice Oscillator

\$8⁹⁵



Invaluable aid for learning Morse Code. Conveniences not found in other units. Pitch control for pleasing tone, phone jack for private use, tone and/or flashing light. Battery operated transistor oscillator for years of trouble free service. Ship. wt. 2 lbs.
A44DX646 706-K Kit...\$2 Down, Net 8.95
A44DX647 706-W Wired. \$2 Dn., Net 12.95



THE FINEST IN VHF EQUIPMENT

Tecraft "Hawk VI" or "Hawk II" **\$199⁹⁵** Transmitter-Receiver

6 meter combination transmitter-receiver operates on either 12 volt DC or 115 volt, 60 cps power. Hawk VI features pi-L output, high-impedance microphone input, press-to-talk operation, five position crystal switch, provision for CW operation, vernier tuning, built-in squelch and automatic noise limiter, crystal controlled conversion oscillator, provision for headphones, and four inch ALNICO V speaker. All transmitter stages are fully metered. Unit is fully enclosed in Tecraft "Kum-a-part" cabinet for quick and easy accessibility to all components. Size: 13" x 9" x 6". Ship. wt. 25 lbs.

A44DX679 Hawk VI 6 meter communicator. \$9.50 Monthly, Net 199.95
HAWK II Same as Hawk VI but for 2 meter band.
A44DX680 Hawk II.....\$9.50 Monthly, Net 199.95



\$9.50 MONTHLY



\$169⁹⁵ \$8.50 Monthly

"Sidewinder" Transmitter

6 meter single sideband and AM transmitter featuring VOX, VFO, upper and lower sideband selection, AM carrier insertion, pi-L output, 50 watts PEP or 18 watts AM with 500V plate supply. Hi-Z mike input. Tecraft "Kum-a-part" cabinet for quick and easy accessibility to all components. 13" x 9" x 6". Ship. wt. 17 lbs.

A44DX681 Sidewinder. \$8.50 Monthly 169.95
POWER SUPPLY FOR SIDEWINDER: Matching cabinet. Input 115 v, 60 cps. Outputs: 12.6 v @ 4 amp, 250 v @ 150 ma dc, 500/600/750 v @ 100 ma.
A44DX682 PTR 3 Power supply...Net 69.95

\$44⁹⁵

\$5
Monthly



Cascode Converters

Available for amateur, commercial, civil defense, CAP and special services, use with any communications receiver: 1/10 μ v input gives output 6 db above noise. More than 30 db overall gain. Pass band 4 mc, 6 db down at 6 mc. Power input: Filament, 6.3 v ac or dc @ 2 amps and 150 to 250 v dc. 9 1/2" x 3" x 4 1/2". Ship. wt. 5 lbs.—Specify IF freq. desired.

A44DX670 CC50 6 meter wired.....44.95
A44DX671 CC5/50K 6 meter kit.....29.75
A44DX672 CC144 2 meter wired.....44.95
A44DX673 CC5/144K 2 meter kit.....29.75
A44DX674 CC148 CAP wired only.....44.95
A44DX675 CC220 220 mc wired only.....44.95
Power supply for CC type converters.
A44DX683.....\$2 Down, Net 19.95

\$59⁹⁵

Tecraft Transmitters

For mobile or fixed station. Crystal, tubes supplied. 9 1/2" x 5 1/2" x 5". Ship. wt. 5 lbs. Model TR 20/50 6 meter band, 6AU6 Osc. 5763 buf/dblr-6360 power amplifier 20-25 watts input.

A44DX676 Ship. wt. 14 lbs.....Net 59.95
Model TR 20/144 2 meter band or CAP, 6AU6 Osc. 5763 buf/dblr. 5763 buf/mult. 6360 final amplifier. 20 watts input.
A44DX677 Ship. wt. 14 lbs.....Net 59.95
Model TR 20/220 1 1/2 meter band, 6AU6 Osc. 5763 buf/mult. 6360 buf/mult. 6360 power amplifier. 20 watts input.
A44DX678 Ship. wt. 14 lbs.....Net 59.95
MATCHING POWER SUPPLY.
A44DX684 PTR2 Sh. wt. 17 lbs. \$5 Mo. 39.95



169.95



59.95



449.00

NATIONAL NC-109 RCVR

A Lowest priced general coverage receiver available with exclusive "Microtome" crystal filter and separate product detector for CW and SSB reception. Includes big "5" meter, 4-band coverage (540 kc to 40 mc), voice, CW or SSB. Bandspread calibrated for 10, 11, 15, 20, 40 and 80 meter amateur bands. 11" indirectly-lighted lucite slide-rule dial, accessory socket for external adapters. 11 miniature tubes (incl. rectifier and voltage regulator), metal cabinet, chrome trim, 16 1/2" x 10" H x 10 1/2" D. Ship. wt. 35 lbs.

A45DX368 NC-109. \$8.50 Mo., Net 169.95

NC-303 SUPER-RECEIVER

C Front panel SSB selector. Exclusive IF Shift eliminates retuning or detuning during sideband selection. New Q multiplier makes it possible to eliminate any interfering signal. Noise limiters. Attenuation adjustment. WWV converter provision for precise frequency calibration. Slide-rule dial with 10 scales cover 160 to 1 1/4 meters, readable to 21.5 mc, 8 kc. Socket for plug in crystal calibrator. 14 tubes plus rectifier. Front panel phone jack. Output impedance 3.2 ohms. Black and grey enamel cabinet 19 1/2" W. x 11 1/4" H. x 15" D. Ship. wt. 64 lbs.

A45DX373Y NC-303. \$21 Mo., Net 449.00

NATIONAL NC-400 RECEIVER

The NC-400 is a modern, multiple purpose, general coverage receiver. Tuning range is 540 kc to 31 mc in 7 bands, with dual conversion on all frequencies above 7 mc. The NC-400 also provides optimum versatility of bandwidth, either through the use of internal IF circuits or the use of optional mechanical filters. Frequency Range: .54 to 31.0 mc. Frequency Stability: Long term stability after warmup—.002%. Sensitivity: 1 microvolt for 10 db signal/noise ratio. Selectivity: 4, 8 and 16 kc positions provided with 6 tuned circuits. 3.5 kc wide upper and lower sideband positions provided with 14 tuned circuits. SSB Provisions: Separate SSB heterodyne detector uses pentagrid converter and separate heat oscillator. Beat oscillator may be crystal controlled. Special "fast-attack-slow-release" AGC circuit. Fixed Channel Operation: HF oscillator has 5 crystal sockets for use in fixed channel operation. Diversity Provisions: Choice of internal-external control of all oscillators. Power requirements: 110-220 volts, 50-60 cycles. AC. 90 lbs. A45DX381 NC-400. \$42 Mo., Net 895.00

NC-60 SHORTWAVE RCVR

B Four bands: 540-1600 kc., 1.6-4.5 mc, 4.0-12 mc, 10.5-31 mc. Bandspread knob can be used as a vernier on all frequencies. 2-stage audio with 50C5 output tube. Built-in speaker. Front panel phone jack. Selectivity 6 db @ 5 kc, 60 db @ 70 kc. Antenna input 50-300 ohms, 2-tone black and grey enamel case 7 3/4" H. x 8 3/4" D. x 13 1/2" W. Ship. wt. 15 lbs.

A45DX372Y NC-60. \$5 Mo., Net 59.95

ACCESSORIES FOR NC-303

| Cat. No. | Description | Net Ea. |
|----------|---------------------------------------|---------|
| A45DX375 | NC-300C6A 46 meter band | 41.95 |
| A45DX355 | NC-300-2 (2-meter band) | 43.95 |
| A45DX356 | NC-300-1 (1 1/4-meter band) | 45.95 |
| A45DX376 | NTS-2 Speaker | 21.95 |
| A45DX377 | KCU-300 Plug-in Crystal Calibrator | 23.95 |
| A45DX378 | KCU-303 Deluxe crystal/WWV Calibrator | 34.95 |

NC-270 Double Conversion Receiver

NATIONAL NC-270 RECEIVER—A precision double conversion receiver at a price you can afford. Instant sideband selection, with a special patented "Ferrite Filter" provides for upper and lower sideband with special linear heterodyne detector and separate carrier re-insertion. The patented ferrite combined with an effective "Bi-Filar T" provides a degree of selectivity equal to the needs of the serious CW operator, the sideband enthusiast and the toughest of AM signal conditions! No accessories to buy! Built in 100 kc crystal calibrator and exclusive National lateral dial set adjustment provide for extreme calibration. 6 meter coverage in frequency ranges. Automatic noise limiter, self adjusting to various signal levels, plus all the regulator controls and features of top quality communications equipment. Size: 8 3/4" H. x 15 1/2" W. x 9" D. Ship. wt. 35 lbs.

A44DX750 NC-270. \$11.50 Monthly, Net 249.00



19.95

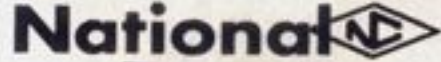
\$249.00
Only \$11.50 Monthly



NATIONAL NTS-3 SPEAKER

Matching handsome speaker for the NC-270. Has 3.2 ohms. Ship. wt. 8 lbs.

A44DX751 NTS-3. \$5 Monthly, Net 19.95



All Purpose Portable & Direction Finder

NC-66 ALL-PURPOSE PORTABLE—3-way portable, ham, marine, SWL receiver—5 bands: DF (150-400 kc), BC (.5-1.4 mc), 1 (1.4-4.05 mc), and 3 (11.0-23 mc). Operates on 115V AC or DC (220 VAC with adapter) or on 1 Burgess F8A60P A&B battery or equal. Integral ferrite loop for DF and BC bands plus built-in whip antenna for shortwave. 2-stage audio amplifier with 3V4 output tube, CW oscillator, Speaker. Phone jack 5-band "slide-rule" dial with CD markings. Antenna input 50-300 ohms, unbalanced 5-band "slide-rule" dial with CD markings. Rugged 2-tone metal cabinet with carrying handle. Size: 12 5/16" W. x 9 11/16" H. x 10" D. Less battery. (Use as direction finder with RDF-66 described in opposite column.) Ship. wt. 16 lbs.

A45DX366Y NC-66. \$5 Monthly, Net 99.95

NATIONAL HRO-60 RECEIVER

Dual conversion above 7 mc plus 12 permeability-tuned i.f. circuits in the three 456-kc i.f. stages. Features include: current-regulated heaters in the h-f oscillator and the new 6BE6 2nd converter. H-f oscillator and S-meter amplifier are voltage regulated. Coverage: 50-430 kc, 480 kc-35 mc; and 50-54 mc, voice, CW, NFM (with adapter). High fidelity push-pull audio 50-15,000 cps within 2 db with phono jack. Controls bandswitch, oscillator, tone, ant. trimmer, dimmer, AVC, limiter, AF gain, Calibration, CWO phasing, selectivity, on-off, rf gain, AM-NFM-PHONO. Cabinet 18 1/2" W. x 10 1/2" H. x 16 1/2" D. AC operation. Less speaker. 4 coils. Ship. wt. 100 lbs.

A45DX368 HRO-60. \$35 Mo., Net 745.00

NTS-1 SPEAKER

2-tone grey enamel finish with black and silver grill cloth. Speaker size: 8", 3.2 ohms. Cabinet 10 1/2" W. x 9 3/4" H. x 8" D. Ship. wt. 10 lbs.

A45DX371 NTS-1. \$5 Monthly, Net 17.50



D RDF-66 DIRECTION FINDER—Simple means of direction finding for small marine craft. 3-foot cable permits RDF-66 to be installed short distance from NC-66. Complete with special mounting bracket, or mount on receiver. 7" H x 8 3/4" W x 10" D. Ship. wt. 8 lbs.

A45DX369Y RDF-66. \$5 Monthly, Net 39.95



666.00



520.00

COLLINS Transmitters, Amplifiers

COLLINS 325-1 SSB-CW TRANSMITTER

(A) Types of emission: SSB—upper or lower sideband. CW—keyed tone. Power input: 175 w PEP on SSB, 160w on CW. Output Impedance: 50 ohms. Frequency Range: 80, 40, 20, 15 and 10 meter amateur bands. Break-in CW provided by operating VOX from keyed tone. Indicating Devices: Panel meter to monitor final amplifier plate current, grid current or ALC voltage. Size: Basic transmitter 6 $\frac{1}{2}$ "H. x 14 $\frac{1}{2}$ "W. 12"D. Weight: Transmitter 16 lbs. AC power supply — 28 lbs. Power Source: 115v, 50/60 cps. Power supply must furnish: 800v dc., .175 amps. 6.3v ac, 6.0 amps. Bias adjustable between 60 and 80v. A45DX753Y 325-1 Ship. wt. 20 lbs.

\$32.50 Monthly Net 666.00

COLLINS 30S-1

(B) Single tube grounded grid linear amplifier. Frequency Range: 3.5-4.0 mc; 7.0-7.3; 14.0-14.4; 21.0-21.45; 28.0-29.7. Covers entire spectrum from 3.5 to 30 mc by returning cathode circuit. Output Impedance 50 ohms. Output Power: SSB: 1000 watts PEP with 40 db signal to distortion ratio, CW: 600 watts with 1 kw input. Automatic Load

(C) Frequency Range: 80 meters—3.4 to 4.0 mc, 40 meters—7.0 to 7.4 mc, 20 meters—14.0 to 14.4 mc. 10 meters have choice of 3-200 kc portions of these bands; 28.5 to 28.7 furnished. Overtravel —7.5 kc on all bands. Visual Dial Accuracy: 200 cps all bands. Backlash: less than 50 cps. Sensitivity: CW sensitivity better than 1 microvolt for a 10 db signal-plus-noise-to-noise-ratio. Selectivity: 2.1 kc Mechanical Filter for SSB; 0.5 kc Mechanical Filter (not supplied) for CW; 4.0 kc 1F transformer passband for AM. Size: 6 $\frac{1}{2}$ "H. x 14 $\frac{1}{2}$ "W. x 11 $\frac{1}{2}$ "D. Weight 20 lbs. Power Source: 105-125v, 50-60 cps, 85w (Nominal). Ship. wt. 25 lbs. A45DX754 75S-1

\$29 Monthly Net 520.00

LINEAR AMPLIFIER

Control: Up to 12 db. Controls: Band Change, Multimeter, Filament, H.V., Bias Control, Tuning, Loading. Primary Power: 115 or 230v ac 50/60 cps single phase, 3-wire neutral ground; 2000 watts maximum. Size: 30 $\frac{1}{2}$ "H. x 17"W. x 16 $\frac{1}{2}$ "D. Ship. wt. 175 lbs. A45DX752Y 30S-1

\$79 Monthly Net 1,556.00



\$1556⁰⁰



\$1150⁰⁰

KWM-2 Mobile Transceiver

(D) Superior single sideband performance, provides outstanding frequency stability on 14-200 kc bands from 3.4 mc to 30.0 mc. KWM-2 has 175 watts PEP input on SSB, or 160 watts on CW Filter type SSB generation, Collins permeability-tuned variable oscillator, crystal-controlled HF double conversion oscillator, VOX and anti-trip circuits, and exclusive ALC and RF inverse feedback are among the features of the KWM-2. CW break-in and monitoring side-tone circuits are built-in, and all 4-plugs in the mobile mount connect the KWM-2 automatically. Rear antenna or loading coil selection for mobile operation. Size: 7 $\frac{1}{2}$ "H. x 14"W. x 13 $\frac{1}{2}$ "D. Ship. wt. 21 lbs.

A45DX738 KWM-2 \$55.50 Monthly, Net 1150.00

351D-2 MOBILE MOUNT

Provides secure mounting for KWM-2 in most automobiles. Cantilever arms fold out of the way when KWM-2 is removed. Mating plugs connect power, receive-transmit antenna, noise blanker, antenna and antenna control as KWM-2 slides into place. Cable included. Ship. wt. 18 lbs.

A45DX741 351-D-2
\$6 Monthly Net 120.00

516F-2 AC POWER SUPPLY

Operates from 115 ac, 50-60 cps. Ship. wt. 27 lbs.

A45DX762 516F-2
\$6 Monthly Net 115.00

516E-1 POWER SUPPLY

Operates from 12v dc. For KWM-2 or 325-1 and 75S-1 mobile or portable operation. Transistorized. Ship. wt. 18 lbs.

A45DX760 516E-1
\$14.00 Monthly Net 300.00

F455-Q 500 CYCLE MECHANICAL FILTER

This mechanical filter may be used with the Collins 75S-1 Receiver. Ship. Wt. 1 lb.

A45DX763Y F455Q-5 \$5 Monthly Net 52.00

COLLINS 312B-3 SPEAKER

Contains a 5" x 7" speaker and connecting cable. Attractively styled to match receiver and transmitter. 7 $\frac{1}{2}$ "H. x 10"W. x 8"D.

A45DX757 312B-3 Ship. wt. 7 lbs. \$5 Monthly .Net 29.00

ELECTRO-VOICE Receiver, Preselector



RME MODEL 6900 COMMUNICATIONS RECEIVER—Designed specifically for SSB, AM or CW operation. 5 amateur bands. Employs a noise limiter and separate detector for reception of SSB signals. Sensitivity 1 microvolt and drift confined to .01% Ship. Wt. 32 lbs.

A45DX141Y 6900 Net 349.00

RME DB-23 PRESELECTOR—Improves the performance of any receiver. Permits optimum use of mechanical, crystal, audio filters. Power supply. Wt. 9 lbs.

A45DX54Y DB-23 Net 49.50

Only \$17 Monthly \$349⁰⁰

DRAKE Receiver and Speaker



Only \$13.50 Monthly \$269⁹⁵

DRAKE 2-A RECEIVER—All the advantages of a "Ham Band" receiver, Superior SSB, AM, and CW in 7 band switch positions . . . plus 5 extra positions on band switch for interchangeable plug-in crystals to permit reception of any 600 kc bands in 3.5 to 30 mc range. Size 12"W. x 7"H. x 9"D. Ship. Wt. 17 lbs.

A45DX178 2-A
\$12.50 Monthly Net 269.95

DRAKE 2-AS SPEAKER—Matching 4" speaker for the 2-A Receiver. Ship. wt. 8 lbs.

A45DX181 \$5 Monthly, Net 12.95

NEW EASY BUDGET PLAN FOR HAM EQUIPMENT. SEE PAGE 3

Radio Shack Guarantees "Satisfaction or Your Money Back". See page 7.

RADIO SHACK • 93

HAMMARLUND Receivers

Hammarlund HX-500
100 Watts of Undistorted
Performance

A Superb SSB Transmitter for Amateurs and Commercial Users **\$695⁰⁰**

Carrier and unwanted sideband suppression 50 db or better. 3rd and 5th order distortion and spurious frequencies down 50 db or better. TVI proofed. Separate dial scale employed on each band. Band covered: 80, 40, 20, 15 and 10 meters. Built-in antenna changeover relay. Output power 100 watts P.E.P.; 100 watts CW; 25 watts AM; 25 watts FSK. All crystals included - No Extras to Buy! Size: 19 1/4" w. x 16 1/2" d. x 11 1/2" h. Ship. wt. 100 lbs.
A45DX279 HX-500.....\$33.50 Monthly, Net 695.00



**\$15 Down
\$33.50 Monthly**

Hammarlund HQ-100 Versatile Receiver

• Variable Selectivity
• Direct Dial Calibration **\$199⁰⁰**

(A) Continuously tunable from 450 kcs to 30 mcs, sensitivity and selectivity best in its class. Electrical handspread tuning, Q-Multiplier, Noise Limiter, Dial Markings every 10 kcs on 80, 40, and 20 meter bands; every 20 kcs on 15 meter band and every 50 kcs on 10 meter band. Permits continuously variable selectivity to meet all operating conditions. Minimizes static bursts and ignition interference. Voltage regulated and temperature compensated high frequency oscillator. Audio response to fit receiving conditions. 1.75 μ v for 10:1 ratio, 10 tube Superhet. Cabinet has rugged die-cast aluminum front, 16 1/4" x 9 7/8" x 9 3/4" D. Ship. wt. 33 lbs.

A45DX285 HQ-100. \$9.50 Mo., Net 189.00
A45DX286 HQ-100C w/clock.
.....\$9.50 Monthly, Net 199.00

Hammarlund HQ-110 12 Tube Receiver

• Adjustable Calibration
• Dual Conversion **\$259⁰⁰**

(B) 12 tube superhet circuit. Full dial coverage of 6, 10, 15, 20, 40, 80 and 160 meter on 7 ranges. 1.5 μ v for 10:1 signal to noise ratio. Separate linear detector for optimum reception of SSB and CW signals. Permits continuously variable selectivity to meet all operating conditions. Separate stabilized beat-frequency oscillator for SSB and CW reception. Voltage-regulated and temperature-compensated high-frequency oscillator for extra stability. 2nd conversion oscillator crystal controlled. Built-in 100 KC crystal calibrator. Rugged die-cast aluminum front panel. 16 1/4" x 9 7/8" x 9 3/4". Ship. wt. 30 lbs.

A45DX287 HQ-110. \$11.50 Mo., Net 249.00
A45DX289 HQ-110C w/clock
.....\$12.50 Monthly, Net 259.00

Hammarlund HQ-180 at Its SSB Best

• Triple Conversion
• Wide Frequency Range **\$439⁰⁰**

(C) Designed to meet both commercial and amateur needs for true single sideband communications receiver of general coverage. Embodies most modern tuning techniques for optimum performance in crowded bands. Exclusive design automatically adjusts audio passband to fit receiving conditions. Razor sharp 1.5 KCS at 6 db. Adjustable ± 5 KCS over passband for better 40 db attenuation. 18 tube superhet circuit with automatic noise limiter. Bandspeed calibration for 80, 40, 20, 15 and 10 meter amateur bands. Full dial coverage (.54 mcs to 30.0 mcs). High frequency crystal filter. Separate linear detector. Ship. wt. 45 lbs.

A45DX273 HQ-180. \$20 Mo., Net 429.00
A45DX274 HQ-480C w/clock
.....\$21 Monthly, Net 439.00

Hammarlund HQ-145 General Receiver

• General Coverage
• Short Wave Listener **\$279⁰⁰**

(D) 11 tube Superhet with dual conversion of IF on one band giving improved image rejection. Covers 540 kcs to 30 mcs in four bands. Directly calibrated electrical handspread on 80, 40, 20, 15 and 10 meter amateur bands. Crystal filter with 6 position switch. Adjustable slot filter. S-meter for tuning indication and signal strength. High sensitivity. Special 20 meter amateur band position for optimum dial spread. Optional combination clock and automatic timer. Ship. wt. 42 lbs.

A45DX294 HQ-145 \$12.50 Mo., Net 269.00
A45DX293 HQ-145C w/clock
.....\$12.50 Monthly, Net 279.00

Hammarlund HQ-170 Side Band Receiver

• Modern SSB Reception
• Automatic Noise Limiter **\$369⁰⁰**

(E) Single side band functionally a combination of HQ-100 receiver and HC-10 converter. Features SSB/CW and AM/MCW reception. Full dial coverage of the 6, 10, 15, 20, 40, 80 and 160 meter amateur bands. 17 tubes, triple conversion with IF frequencies 3035, 455 and 60 KCS for excellent image rejection. Signal-strength meter w/high response. Auto-response automatically adjusts pass band to meet receiving conditions. Fast-attack delayed AVC. BFO control ± 2 KCS. Modern super-ventilation type cabinet with sturdy front panel. Optional combination clock and automatic timer. Ship. wt. 45 lbs.

A45DX292 HQ-170. \$17 Monthly, Net 369.00
A45DX298 HQ-170C w/clock
.....\$17 Monthly, Net 369.00

Hammarlund HC-10 Converter

• Completely Self Contained
• 10 Tubes **\$149⁰⁰**

(F) SSB-AM-CW-MCW Converter, works with any receiver having an IF between 450 KCS and 500 KCS. Requires only input and speaker connection. Supplied with plug-in adapters for either miniature or octal tubes. Tuned IF amplifier with 7 selectivity positions having mechanical filter type skirt selectivity. Vernier type passband tuning control ± 3 KCS for ease of SSB reception. Razor sharp slot filter adjustable ± 5 KCS over passband for better than 40 db attenuations of unwanted signal. BFO control ± 2 KCS. Controlled AC outlet at rear of cabinet. Linear product detector for CW and SSB reception. Combination noise limiter and squelch. 9 3/4" x 9 3/4" x 7 3/4". Ship. wt. 15 lbs.

A45DX288 HC-10 \$7 Monthly, Net 149.00

HAMMARLUND Matching Speaker
For the HQ-145, HQ-160, HQ-170, HQ-180.

A45DX296 S-200. \$5 Monthly, Net 19.95

For the HQ-100, HQ-110.

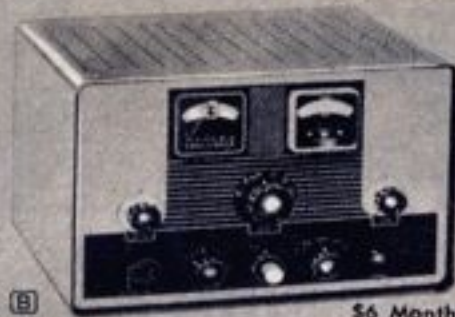
A45DX291 S-100. \$2 Down, Net 14.95



VIKING Amateur Equipment



A \$5 Monthly



B \$6 Monthly



C \$7.50 Monthly

Viking "Adventurer"

- 50 Watts CW Input
- Bandswitch 80 Thru 10 Meters

\$54.95

A Professional in appearance and extremely compact. Easy to build. Easy to operate. Complete with tubes, key, less crystals. Effectively TVI suppressed. Pi-network output tuning; no antenna tuner needed. Tubes: 6AG7 oscillator, 5U4G rectifier, 807 transmitting-type power amplifier. 7 1/2" Dx 10 1/2" W x 8 1/2" H. Ship. wt. 19 lbs.

A45DX005 240-181-1 Kit. \$5 Mo., Net 54.95
SPEECH AMPLIFIER/MODULATOR for Adventurer.
A45DX056 250-40 Wired. Net 12.25

Viking "Challenger"

- "Shaped" Keying Circuit
- 120 Watts on CW Input

\$114.75

B A powerful, compact phone - CW rig. Single knob bandswitching 80 thru 6 meters. Excellent TVI suppression and filtering. Input power rating: 80, 40, 20, 15, 10. Phone 70 w., CW 120 w.; 6 meters, Phone 70 w., CW 85 w. Ideal for novice or amateur for fixed station. Provides true "shaped" CW wave form . . . no clicks, no chirps. Attractive aluminum cabinet. 13 1/4" W x 9 1/4" H x 9 1/4" D Ship. wt. 28 lbs.

A45DX060 240-182-1 Kit. \$6 Mo. Net 114.75
240-182-2 Wired.
A45DX033 \$7.50 Monthly, Net 154.75

Viking "Navigator"

- Timed Sequence Keying
- 40 Watts CW Bandswitching

\$149.50

C This kit will appeal particularly to the discriminating CW operator who requires a flexible, highly stable VFO, excellent keying system, final amp. tube 6146. Bandswitching 160 thru 10 meters. Effective pi-network tank circuit handles 40 to 800 ohm resistive antenna. Self-contained power supply 360 VDC at 175 ma., 6.3 VAC at 3 amps., 5 VAC at 3 amps. 13 1/4" W x 9 1/4" H x 10 1/4" D Ship. wt. 27 lbs.

A45DX050 240-126-1 Kit. Net 149.50
A45DX051 240-126-2 Wired Net 199.50



D \$10.50 Monthly



E \$16 Monthly



F \$29 Monthly

Viking "Ranger"

- Completely Self-Contained
- 75 Watts CW Input

\$229.50

D Rugged, compact transmitter; may be used as flexible exciter without modification. Crystal control or extremely stable built-in VFO-100% AM modulation-high gain audio. Pi-network antenna load matching from 50 to 500 ohms; Complete TVI shielding, filtering. Covers all amateur bands from 10 to 160 meters, complete bandswitching. 65 watts phone. Compact: 15 1/2" W x 9 1/4" H x 14" D Ship wt. 54 lbs.

240-161-1 Kit.
A45DX003 \$10.50 Monthly, Net 229.50
240-161-2 Wired.
A45DX004 \$15 Monthly, Net 329.50

Viking "Valiant"

- 275 Watts CW and 55B
- Bandswitching 160 Thru 10 Meters

\$349.50

E Compact transmitter with outstanding flexibility and performance. May be operated by built-in VFO or crystal control. VFO is temperature-compensated, extremely stable; operates in 1.75-2.0 mc., 7.0-7.45 mc ranges. Pi-network tank circuit matches antenna loads from 50 to 600 ohms. Complete TVI suppression; timed sequence keying; high gain push-to-talk audio system. 21" W x 11 1/2" H x 16 1/2" D Ship. wt. 83 lbs.

A45DX009 240-104-1 Kit. Net 349.50
240-104-2 Wired.
A45DX010 \$21 Monthly, Net 439.50

Viking "Thunderbolt"

- 2000 Watts P.E.P.
- Completely Self-contained

\$524.50

F The hottest linear amplifier on the market today! 1,000 watts CW; 800 watts AM linear; 2000 watts P.E.P. (aux. 55B exciter). Cont. coverage 3.5 to 30 mc.—wide range pi-network output circuit. Self-contained, may be driven by Viking "Navigator", "Ranger". Drive: 10 w. in class AB₂ linear, 20 w. class C cont. wave. Effectively TVI Suppressed. 21" W x 11 1/2" H x 16 1/2" D. Wt. 140 lbs.

A45DX054 240-353-1 Kit. Net 524.50
A45DX055 240-353-2 Wired Net 589.50

Viking 275 Watt Matchbox

- No Plug-in Coils
- Complete with SWR Indicator

\$86.50

H Matches a 52 ohm coaxial link line to reactive and non-reactive loads from 25 to 1500 ohms. Ship. wt. 11 lbs. 250-23-3.

A45DX031 \$5 Monthly, Net 86.50
250-30-3. 1,000 W
A45DX032. wt. 27 lbs. \$7.50 Mo Net 149.50

Viking T-R Switch

Provides instantaneous high-efficiency electronic antenna switching. Double-gated circuitry w/6BL7 dual triode. Gain: 2 db at 30 mcs; 6 db at 3.5 mcs. 250-39.

A45DX059 wt. 4 lbs. \$5 Mo Net 27.75

DIRECTIONAL COUPLER AND INDICATOR
Provides a continuous reading of SWR and relative power in the transmission line. Coupler may be permanently installed in 52 ohm coaxial line. Indicator has 0-100 micro-ammeter calibrated directly in SWR. Ship. wt. 2 lbs. 250-38 Coupler

A45DX057 \$5 Monthly, Net 11.75
250-39 Indicator.
A45DX058 wt. 4 lbs. \$5 Monthly, Net 25.00



Viking "6N2" VFO

- Variable Frequency

\$34.95

Replaces 8 to 9 mc. crystals in frequency multiplying 6 and 2 meter transmitters, including types using overtone oscillators. A45DX042 240-133-1 Kit. \$5 Mo., Net 34.95
240-133-2 Wired.

A45DX043 \$5 Monthly, Net 54.95

Viking "Signal Sentry"

- Easily Installed

\$22.00

Non-frequency sensitive, RF actuated monitor for either CW or phone. Designed for use with any receiver and operates on all frequencies to 50 mc without tuning.

A45D002 250-25 Wt. 3 lbs. \$5 Mo. 22.00

"6N2" Transmitter Kit

- 6 and 2 meters
- 150 Watts CW Input
- 100 Watts Phone Input

\$129.50

G Designed for use with power supply/modulator combinations. Operates by external VFO. Ship. wt. 14 lbs.

A45DX017 240-201-1 Kit. Net 129.50
A45DX018 240-201-2 Wired. Net 169.50

Viking "Whipload-6"

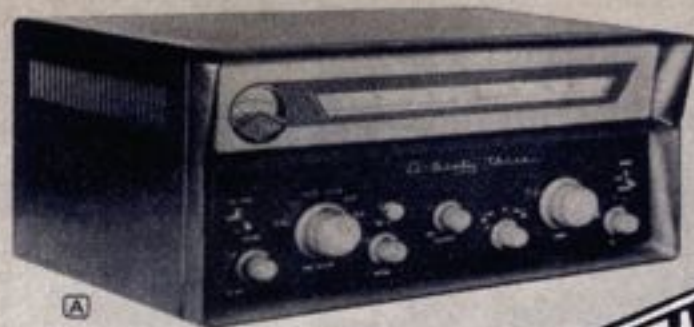
Provides high efficiency base loading for mobile whips with instant bandswitch selection of 5 amateur bands: 75, 40, 20, 15 and 10 meters. Hardware furnished. Ship. wt. 3 lbs.

A45DX034 250-26. \$5 Monthly, Net 16.95

Viking Low Pass Filters

Consists of 4 individually shielded sections. Attenuation of harmonic and spurious frequencies above 54 mc. is 75 db or more. Ship. wt. 3 lbs.

A45D029 250-20 52 ohms. \$5 Mo., Net 14.95
A45D030 250-35 72 Ohms. \$5 Mo., Net 14.95



A

\$11.50 Monthly 239.50



C

\$15.00 Monthly 319.50



B

\$18.00 Monthly 376.25



D

\$24.00 Monthly 499.50

GONSET Receivers, Transmitters, Communicators

GONSET G-63 RECEIVER

A Top-performing receiver with high sensitivity and outstanding SSB-AM-CW reception on 6 amateur bands—80, 40, 20, 15, 10, 6 meters. Each band is spread across full vision drum dial scale for precise tuning. Also has 2 second detectors—diode type for AM, product type for better SSB-CW reception; each selected automatically by function switch. Utilizes double conversion: 1st I-F frequency, 2065 kc; 2nd is 263 kc. Both oscillators, HF tunable and LF BFO, are stable, have low frequency drift. Also has automatic noise limiter and "S" meter. Operates at 117V, 50/60 cycle AC, power requirement—65 watts, 100 ohms unbalanced antenna input impedance. Speaker output impedance, 3.2 ohms. 8" high, 16 1/4" wide, 10 1/2" deep. Ship. wt. 24 lbs.

A45DX183 Model 3260.....\$11.50 Monthly, Net 239.50

GONSET SSB TRANSMITTER GSB-100

D A complete self contained, single side-band transmitter for operation on amateur 80, 40, 20, 15, 10 bands. Rated at 100 watts, the GSB-100 is ideal as a ready-to-operate SSB transmitter or as an exciter for a higher powered linear amplifier. VOX control cuts off receiver or external linear amplifier, frequency control either XTAL or highly stable VFO. Output circuit is Pi-network, 30-200 ohms output. Selectable emission of lower sideband, upper sideband, phase modulation, AM, and CW. Heavy duty 115V AC power supply is built in. Ship. wt. 40 lbs.

A45DX522 GSB-100 (3233).....\$24.00 Monthly, Net 499.50

G-76 MULTI-BAND A.M. TRANSCIVER

B The "Ideal" mobile or home, single unit, amateur transceiver. Perfect for those requiring both high performance and compactness. TRANSMITTER: 100 watts input on AM, 120 watts CW; to 6BQ5 Power amplifier; Frequency Range 3.5, 7, 14, 21, 28 and 50 mc ham bands; Built in VFO with vernier tuning, XTAL control when desired; Modulated by class B 6BQ6's high level plate modulation; PI output matching network; Push-to-talk plus panel T-R switch; RECEIVER: Dual conversion, frequency range same as xmtr; BFO for SSB and CW reception Automatic Noise Limiter; Combination audio gain-sensitivity control for simplified operation; Provision for plug in 100kc calibrator, available as accessory. Ship. wt. 24 lbs.

A44DX601 (3338).....\$18.00 Monthly, Net 376.25

AC POWER SUPPLY FOR G-76: 117 volt power supply; receive 13.4 volts at 10 amps; transmit 13.4 volts at 23 amps. 8"x6.5"x3.5". Ship. wt. 28 lbs.

A44DX603 (3349).....\$7.00 Monthly, Net 145.00

DC 12 VOLT POWER SUPPLY FOR G-76. Ship. wt. 31 lbs.

A44DX602 (3350).....\$7.00 Monthly, Net 145.00

GSB-101 LINEAR AMPLIFIER

Capable of 1000 watts P.E.P. input, grounded grid, 60-70 watts RF drive, four 811A tubes final amplifiers. CONTROLS: Final tuning, final loading, band switch for coverage on 80, 40, 20, 15, 10 meters, plate switch, and high voltage indicator. Ship. wt. 89 lbs.

A45DX523 (3262).....\$22.00 Monthly, Net 459.50

MSB-1 MOBILE SIDEBAND TRANSCIVER

E Far advanced in design, mounts readily under dash. Has every modern feature . . . 125 watts P.E.P. input, upper and lower sideband and CW, all band operation, 10 through 80 meters, high stability VFO, VOX, push-to-talk and phone patch provisions, receiver sensitivity better than 1 microvolt, 9 mc band-pass crystal filter for excellent transmitting and receiving selectivity, 100 kc crystal calibrator unit available, only 5"H, 12"D. Includes DC power supply.

A45DX163 (3301) Ship. wt. 15 lbs. \$37.50 Monthly, Net 795.00

AC POWER SUPPLY FOR MSB-1: Model 3335

A44DX606 Ship. wt. 28 lbs. \$7.00 Monthly, Net 145.00

EXTERNAL DC 12V SUPPLY FOR MSB-1: Model 3334. Receive 13.4 volts DC at 10 amps; Transmit 13.4 volts DC at 20 amps.

8"x6.5"x3.5". Ship. wt. 35 lbs.

A44DX605.....\$7.00 Monthly, Net 145.00

10 METER COMMUNICATOR

Contains receiver, transmitter and AC power supply. Receiver double-conversion superhet—has "S" meter, automatic noise limiter, adjustable "squelch". Transmitter uses 6146 in pi network final at 50 watts input. Freq-control is by crystal or built-in, highly stable VFO. Ship. wt. 35 lbs.

A45DX237 Gonset G-28.....\$14 Monthly, Net 299.50

6 METER COMMUNICATOR MODEL G-50

C Complete fixed station for 6 meter operation. Transmitter and receiver housed in a compact case 7 1/2" high, 12 1/2" deep, 13" wide. Frequency coverage 50 to 54 meg. Xmitter power input 40 to 50 watts. Final amplifier uses 6146 tube, has pi-network output. Highly stable, calibrated VFO, with spotting switch to aid tuning. Crystal control optional. Selective sensitive receiver with adjustable squelch, noise limiter, "S" meter and panel mounted speaker. Heavy-duty 115 VAC power supply built-in. Ship. wt. 35 lbs.

A45DX245 (G-50 (3221).....\$15 Monthly, Net 319.50

GONSET MODEL IV COMMUNICATOR

F 2 and 6 meter. New industrial-designer styling gives fingertip operating convenience. Mounts vertically or horizontally and is portable. Receiver has the latest frame-grid VHF tubes in front-end for excellent noise figure. Triple conversion with crystal controlled first conversion, ANL, squelch. 20 watt input transmitter has broad banded RF driver stages to minimize tuning controls, P-P 6BQ5 modulators for more than 10 watts audio. P-t-t operation, high quality ceramic microphone supplied. Frequency range: 143.7 to 148.3 mc. 18 tubes plus rectifier and voltage regulator. Operates on 12 VDC or 117 VAC merely by changing cables. Transistorized DC supply eliminates vibrators. Receiver noise 4 to 5 decibels. Sensitivity 0.4 microvolts to 10 db S+N/N. Dimensions: 5"Hx9 1/2"Wx13"D. Ship. wt. 25 lbs.

A44DX600 2 meter (3341).....\$17.00 Monthly, Net 369.50

A44DX604 6 meter (3342).....\$17.00 Monthly, Net 369.50



E \$37.50 Monthly 795.00



J \$5.00 Monthly 44.50



G \$5.00 Monthly 89.50



F \$17.00 Monthly 369.50



H \$5.00 Monthly 69.50



K \$5.00 Monthly 29.50

GONSET Converters, Phone Patch and Monitors

MOBILE FM CONVERTERS

G Three outstanding FM converters bring new standards of stability, convenience and image free reception for monitoring of taxicabs, railroads, mobile telephone, fire, police, and other industrial and emergency communications. These converters utilize newly developed tubes designed specifically for operation directly from 12 volts automatic electrical circuits. No separate power supply is required and there is no connection to the car radio power circuits. Complete with squelch control, minimum drift, high sig-to-noise ratio, exceptional sensitivity, with wide range of frequencies. Ship. wt. 5 lbs.
A45DX252 30-40 mc FM Converter (3247)...\$5 Monthly, Net 89.50
A45DX260 40-50 mc FM Converter (3251)...\$5 Monthly, Net 89.50
A45DX236 88-108 mc FM Converter (3311)...\$5 Monthly, Net 79.50

GONSET 2 & 6 METER VFO

H Compact, highly stable VFO provides frequency control for either 2 or 6 meter Communicator III models. Both 2 and 6 meter bands are spread across slide-rule-type dial, either band spread being selectable by a panel switch. VFO is actuated automatically by the associated Communicator. Tubes 2-6BJ6, 1-0B2. Built-in power supply for 115V AC operation. Size: 6 1/2"x8x4 1/2". Ship. wt. 6 lbs. Complete with spotting switch and AC power supply.
A45DX220 (3226).....\$5 Monthly, Net 69.50

GONSET GPP-1 PHONE PATCH

J A new hybrid phone patch with an exclusive VU meter that eliminates overdriving of phone lines. Used with voice control for SSB which eliminate the need for manually switching the transmitter on and off throughout a conversation. Separate "receive and transmit" audio-level adjustments can be made on the phone patch, eliminating the need to disturb the normal settings. Completely shielded and RF bypassed, manual control for line unbalance compensation, cuts out receiver speaker when turned on, audio level heard through the telephone, works with all popular amateur equipment, and simple to install. Line impedance 600 ohms, receiver impedance 3.2 to 8 ohms, transmitter impedance-high impedance mike. Ship. wt. 5 lbs.
A45DX182 Gonset (3273).....\$5 Monthly, Net 44.50

GONSET MONITONE

K A new multi-purpose instrument designed for use as a code practice oscillator or an effective monitor for phone and C.W. transmitters. Contains an audio oscillator which may be controlled by the external keying circuit to provide a tone signal suitable for code practice purposes. The resultant keyed tone is made audible by a panel-mounted loudspeaker. Separate panel controls for tone-pitch and volume. Ship. wt. 4 lbs.
A45DX213 (3022).....\$5 Monthly, Net 29.50

POLICE AND MARINE CONVERTER

This effective converter operates in conjunction with your present auto radio to give you excellent reception of maritime, police and many other services. Covers the widely used frequency of 1600 to 3000 kilocycles which includes various ship-to-shore telephone stations within the USA as well as 2182, 2638, 2738 kes used for intership calling and conversations. Also covered are frequencies in use by State, Municipal, and County Police. Has full vision dial with calibrated scale, planetary reduction on drive shaft to facilitate tuning, and utilizes 12 volt car battery system. Ship. wt. 5 lbs.
A45DX244 Gonset (3163).....\$5 Monthly, Net 29.50

GONSET "SUPER 12" CONVERTER

A modernized version of GONSET'S famous SUPER-6 mobile short wave converter. SUPER-12 operates directly from 12v car battery, requires no high-voltage source. Well suited for operation with new "Hybrid" design car radios. Covers 6 amateur bands, 10, 11, 15, 20, 40, 75 meters. International short wave is covered on 19 and 49 meters. Smart modern appearance blends well with the instrument panel of any late-model car. Installation is simple and rapid with the bracket provided. SUPER-12 brings you better performance at a modest price. Ship. wt. 6 lbs.
A45DX241 (3261).....\$5 Monthly, Net 74.50
GONSET 6 METER CONVERTER. Freq. range 49-54 mcs. Ship. wt. 5 lbs.
A45DX202 (3275).....\$5 Monthly, Net 74.50

GONSET CLIPPER NOISE LIMITER

For stationary or mobile receiver if 1st audio and 2nd detector in one tube. 2"x4"x1 1/2". Ship. wt. 5 lbs.
A45D211 Gonset (3001).....Net 11.95

3 BIG REASONS WHY RADIO SHACK HAS BECOME AMERICA'S NO. 1 SHOPPING CENTER for AMATEURS

- We offer one of the most varied stocks of ham equipment, always in stock in depth.
- We ship your order the same day it is received.
- With our Easy Budget Plan there's no need to wait to own the equipment you want.

**A****\$6 Monthly**
124.50**B****\$7.50 Monthly**
149.95**C****\$7.50 Monthly**
149.95**D****\$24 Monthly**
495.00**E****\$5 Monthly**
59.95**F****\$5 Monthly**
79.95**G****\$229.95**
\$10.50 Monthly

GLOBE Ham Equipment

A complete and up to date line of products especially designed to meet the requirements of the modern, discriminating amateur.

A GLOBE LINEAR AMPLIFIER LA-1. Grounded grid circuit linear amplifier covers 6-80 M. Operates either Class B or C, with grounded grid final. 300 watts DC input, or 420 watts P.E.P. input, class B linear DSB or SSB. Requires 7 to 15 watts RF driving power to obtain full input Class B or C. Pi-network output covers all amateur bands, 80-10 M., output loads 30-150 ohms. 52 ohm Pi-Link coupled output on 8 meters. Extensively bypassed, filtered and shielded for TVI. Ideal companion for the Globe Scout. Size 8x9x14 inches. Factory wired. Ship. wt. 25 lbs.
A45DX856.....\$6 Monthly, Net 124.50
A45DX857 LA-1 kit...\$5 Monthly, Net 99.50

B GLOBE HI-BANDER VHF-62. 60w CW, 50w AM input on both 6 and 2M. Single control bandswitching. 4-stage RF section allowing straight through operation. Good harmonic and TVI-suppression. RF stages metered. Provisions for mobile use. New duo-band final tank circuit eliminates switching. Factory wired and tested. Wt. 30 lbs.
A45DX862....\$7.50 Monthly, Net 149.95

C GLOBE SCOUT DELUXE TRANSMITTER. Bandswitching 6-80 meters, 90 watts CW, 75 watts phone input power. Final amplifier works through straight on all bands. High level plate mod. 1300 mmfd loading capacitor. Wt. 36 lbs.
A45DX852....\$7.50 Monthly, Net 149.95

D GLOBE CHAMPION 350. This 10-160 M bandswitching transmitter is TVI-suppressed, filtered and bypassed. Built-in VFO. 350 watts CW, 275 watts AM phone. High level Class B modulation with new compression circuit. Pi-net output. 48-300 ohms. Push-to-talk antenna changeover relay, time sequence keying. Single knob band-switching. Covers most MARS-CAP frequencies. Factory wired. Ship. wt. 90 lbs.
A45DX850.....\$24 Monthly, Net 495.00

GLOBE UNIVERSAL MODULATOR UM-1. Class A or AB-2 modulator, driver for higher power modulator, or as PA amplifier. Factory wired and tested.
A45DX879 Wt. 18 lbs. \$5 Mo., Net 49.95

E GLOBE VFO 755A. Covers the 10-160 meter bands with output on 40 and 160 M. Improved vernier dial with shock absorption; 13:1 tuning ratio. Complete with self-contained, well-filtered power supply with voltage regulation. Approximate 50V. RF output, will drive oscillator stage of any transmitter on the market, simply plug into transmitter crystal socket. Temperature compensated for utmost stability for SSB or DSB. Calibrate switch for perfect "zero" beat without turning transmitter on. Features the new forward look cabinet. Factory wired. Ship. wt. 9 lbs.
A45DX858.....\$5 Monthly, Net 59.95
A45DX859 755A kit. \$5 Monthly, Net 49.95

F GLOBE CHIEF DELUXE TRANSMITTER. Self contained 90-watt transmitter for CW; bandswitching 10-80 meters. 75 watt meter indication for novice use. New 1300 mmfd variable loading condenser for continuous loading on all bands and for improved TVI suppression. Factory wired. Wt. 31 lbs.
A45DX854.....\$5 Monthly, Net 79.95

GLOBE CHIEF DELUXE TRANSMITTER KIT. Contains pre-punched chassis, all parts and tubes, and manual for easy assembly. Ship. wt. 31 lbs.
A45DX855.....\$5 Monthly, Net 59.95

G GLOBE MOBILE SIX TRANSCIVER. A complete six meter station equally suited for mobile or home use. Just add antenna and mike and you're on the air with either crystal or VFO control. The Mobiline Six features a universal power supply capable of operating on either 6 or 12 volts DC and 115 volts AC. Transmitter input is 20 watts. Power requirement is approx. 100 watts. Size is 5x12x12-in. Ship. wt. 22 lbs.
A44DX740...\$10.50 Monthly, Net 229.95

SCREEN MODULATOR SM-90 KIT. Ideal for use with the CHIEF DELUXE. Permits radio-telephone operation at minimum cost. All parts and complete instructions included. Ship. wt. 1 1/2 lbs.
A45DX368.....\$2 Down, Net 11.95

GLOBE SPEECH BOOSTER. Peak limiting audio pre-amplifier that clips and filters speech frequencies exceeding pre-set amplitude. Increases modulation intensity for most penetrating audio. Includes harmonic suppression. Plugs directly into SCOUT and HI-BANDER. Adaptable to other transmitters. Factory wired. Ship. wt. 3 lbs.
A45DX870.....\$5 Monthly, Net 24.95
A45DX877 FCL-1 kit. \$5 Monthly, Net 15.95

MATCHER JR. ANTENNA TUNER. Antenna tuner for power input 100W CW, 75W phone or less. Substandard amount of harmonic attenuation when properly tuned. Aids matching transmitter output to various antennas. Unbalanced output. Forward Look cabinet made from steel for TVI prevention. Factory wired. Ship. wt. 3 lbs.
A45DX872.....\$5 Monthly, Net 15.95
A45DX873 AT-3 kit...\$2 Down, Net 11.95

MATCHER SR. ANTENNA TUNER. For any transmitter, with final RF input up to 600W, 80-10 M Built-in SWR bridge. Fixed link coupling. Coaxial input, 2-wire balanced or unbalanced output. Built-in switch allows bypass of tuner circuits for coax input and output. Special calibrated panel meter for monitoring actual SWR. Vernier dial. Fcty. wired. 14 lbs.
A45DX874.....\$5 Monthly, Net 79.50
A45DX875 AT-4 kit...\$2 Down, Net 69.50

GLOBE VFO 6-2. Ideal for driving 6 and 2 meter transmitters with suitable multipliers. Excellent for use with Globe HI-BANDER Model VHF-62. Perfect zero beat. Built-in power supply with voltage regulation. Temperature compensated for utmost stability. Approx. 50V RF output in 8-9 mc. range. 13:1 tuning ratio. 7" king-size tuning scale. Good sideband stability. Dial calibrated every 50 Kc. Dial accuracy: plus or minus 3 Kc. Factory wired. Ship. wt. 9 lbs.
A45DX880.....\$5 Monthly, Net 59.95
A45DX878 VFO-6-2 kit. \$2 Down, Net 49.95



A \$32.50 MONTHLY
795.00

B \$7.50 MONTHLY
149.50

CENTRAL Ham Gear

A CENTRAL EXCITER-TRANSMITTER—Central Elec, 100V—New No tuning (except VFO), uses famous C-E broadband system, Precision linear VFO; 1 kc calibration. Single knob bandswitch 80 thru 10, SSB, DSB, AM, PM, CW and FSK. RF output adjustable 10 to 100 watts PEP. Meter reads Watts Input, Amps Output and Carrier Suppression. 2" RF Scope, Speech level and load mismatch indicators. Audio filter, inverse feedback, 50 db carrier, SB suppression. Ship. wt. 120 lbs.
A45DX460Y CE 100V.....\$32.50 Monthly, Net 795.00

New Easy Budget Plan
SEE PAGE 3

B CENTRAL MM-2 RF ANALYZER—3" RF analyzer scope for use on SSB, DSB, AM, PM, CW. Monitors received and transmitted signals through new electronic switching circuits. No tuning; broad-band response 1 mc to 55 mc at power levels of 5 watts to 5 kw. Built-in 1 kc oscillator for exciter alignment. Plug-in IF adapters for 450-500 kc, 80 kc and 50 kc. (Less adapter)
A45DX470Y MM-2.....\$6 Monthly, Net 119.50
A45DX470Y MM-2 Wired.....Net 149.50

VIBROPLEX "CW KEYS"

"ORIGINAL" VIBROPLEX—Has two pairs of contact points—one for dots and the other for dashes. Chrome finished metal parts, black base. Weighs 3½ lbs.

"ORIGINAL" Model—Standard finish.
A44DX726.....\$2 Down, Net 19.95
"ORIGINAL" Deluxe Model—All chrome.
A44DX727.....\$5 Monthly, Net 23.50

THE BLUE RACER—Similar to the "Original" only it's half as large, weighs 2½ lbs.

"BLUE RACER"—Standard Finish.
A44DX728.....\$2 Down, Net 19.95
"BLUE RACER"—Deluxe Model—All chrome.
A44DX729.....\$5 Monthly, Net 23.95

"PRESENTATION" VIBROPLEX—Finest bug ever built. 24K gold-plated base top; patented jewel movement and super-speed control! Polished chromium machined parts; red switch knob and thumb piece. Jewels in this key make it smoother, easier, longer-lasting and frictionless. An excellent gift! Left-handed model available upon request for an additional charge of \$2.50. Ship. wt. 3 lbs.

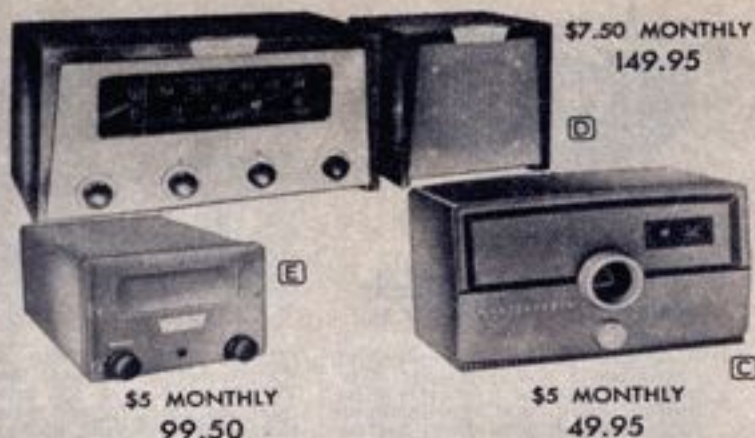
A44DX730.....\$5 Monthly, Net 29.95
"LIGHTNING BUG"—Standard finish.
A44DX731.....\$5 Monthly, Net 18.95

"LIGHTNING BUG"—Deluxe model—ALL Chrome. Ship. wt. 3 lbs.
A44DX732.....\$5 Monthly, Net 22.95

"CHAMPION" VIBROPLEX—Single lever with standard base; without circuit closer, cord or wedge. Ship. wt. 3 lbs.
A44DX733.....\$2 Down, Net 15.95

CARRYING CASE—Black Morocco finish, Ship. wt. 2 lbs.
A44DX734.....Net 6.75

VIBRO-KEYER—For use in constructing units. Has quality features of Vibroplex Deluxe models, base 3½" x 4½", 2½ lbs.
A44DX735.....\$2 Down, Net 15.95



E \$5 MONTHLY
99.50

C \$5 MONTHLY
49.95

MONITORADIO Receivers

C PR FM RECEIVERS—115V AC/DC units receive in the 30-50 MC or 152-174 MC bands. Sensitive superheterodyne circuit, quiet operation. 4" PM speaker and ratio detector to minimize noise under "no signal" conditions. Measures 9½" x 6" x 5½". Weighs 5 lbs.
A44DX636 PR-35
30-50 MC. \$5 Monthly. Net 49.95
A44DX637 PR-155
152-174 MC. \$5 Monthly. Net 49.95

MR FM RECEIVERS—115V AC receiver brings in every station on either the 30-50 or 152-174 MC bands. Fully tuned RF stage, excellent sensitivity, squelch adjustment, built-in 5" speaker. Illuminated slide rule dial. Measures 11¼" x 7¾" x 6¼". Weighs 14 lbs.
A45DX500 MR-10
30-50 MC. \$5 Monthly. Net 64.50
A45DX501 MR-33
152-174 MC. \$5 Monthly. Net 64.50

D DR 200 2-BAND FM RECEIVER—Fixed and tunable combination FM receiver covers 30-50 and 162-174 MC bands. A flip of a switch makes the unit tunable across the full frequency range. The only low cost communications receiver of its kind. Ship. wt. 10 lbs.
A45DX507 DR-200
\$7.50 Monthly.....Net 149.95
SPEAKER FOR DR-200
A45DX508 DRS-1.....Net 14.95

E 12V MOBILE FM MONITORS—Continuous, positive monitoring of any single frequency in the 30-50 or 152-174 MC bands. Exc. sensi., built-in squelch, 4" spkr., 9 lbs. 5.00 Monthly.
A45DX624 M-40 30-50MC.. 99.50
A45DX625 M-160 152-174....99.50
CRYSTAL CONTROLLED MODELS
6.00 Monthly..
A45DX628 MC-40 30-50 MC. 114.50
A45DX629 MC-160 152-174 MC. 114.50

AMECO Amateur Aids



CODE RECORDS

JUNIOR (NOVICE) COURSE—To 8 wpm, double-faced records, FCC-type exams, code learning book, album.
A44D706 100-01, 78 RPM, Net 6.95
A44D707 100-45, 45 rpm..Net 5.95
A44D708 100-33, 33 rpm..Net 4.95

SENIOR COURSE—0-18 wpm. For general and conditional amateur and 2nd class commercial exams. Incl. everything in novice.
A44D709 101-01, 78 rpm. Net 11.50
A44D710 101-45, 45 rpm. Net 10.50
A44D711 101-33, 33 rpm. Net 9.50

ADVANCED COURSE—8-18 wpm. For general class and 2nd class radio-telegraph tests. On double-faced records with learning book.
A44D712 103-01, 78 rpm, Net 5.95
A44D713 103-45, 45 rpm. Net 4.95
A44D714 103-33, 33 rpm. Net 4.95

CODE PRACTICE OSCILLATOR—Key click filter, 4" spkr., vol. & tone controls. 110V AC/DC. Easily converts to Phone-CW monitor. With tubes. Ship. wt. 8 lbs.
A44D715 CPS-KT, Kit...Net 13.75
A44D716 CPS-WT, Wired..Net 14.75

CONVERTERS—POWER SUPPLIES

2 and 6 METER CONVERTERS. Crystal controlled, RF amplifier, mixer-oscillator, IF reject. over 100 db, power gain 20 db, noise fig. better than 4 db. Ship. wt 4 lbs.
A44D700 CB-6K, Kit. \$2 Dn., 19.95
A44D701 CB-6W, Wired...27.50
A44D702 CB-2K, Kit...23.95
A44D703 CB-2W, Wired...33.95

POWER SUPPLY—For CB 6 & 2 converters. Can deliver 50 ma. at 125 volts DC and 2A. at 6.3 volts AC. Convenient to use as power supply for accessories around the ham shack.
A44D704 P5-1K, Kit...Net 10.50
A44D705 P5-1W, Wired..Net 11.50

AC-1 TRANSMITTER KIT. High quality heavy duty xfmr-choke power supply. Pi-section output circuit to work into random length of antenna wire. No antenna tuner necessary. TVI suppression features inc. 6V6 osc., 6X5 rect, 15 w input. For 40 and 80 meters CW, crystal controlled. Less tubes, crys. Ship. wt. 23 lbs.
A45DX062 AC-1.....Net 17.65



Crank-Up Towers

Only \$5 Monthly **\$82.44** 37 Ft.

A complete line of industrial, commercial and amateur type towers. Write for free catalog for further details and specifications. All towers shipped from factory with liberal freight allowance. The TRI-EX "T" Series light weight tubular steel crank up tower is perfect for antenna and set demonstration, or ideal for permanent installation. Die formed guides are used to insure minimum friction. Designed and constructed to prevent binding in raising or lowering of tower. Safety stops constructed of 1 1/2" x 3/16" steel relieves tension on cable. Top adapter is removable so that up to 20' additional height may be obtained by adding the 2 1/4" OD adapter and using an extension that will fit. Electric welded construction. Ball bearing aircraft control type pulleys. Winch may be used on either side. Heavy gauge steel base plate removable crank hinged to facilitate mounting on slanting or straight surface.

| Cat. No. | Ht. Ext. | Ht. Collap. | Wt. lbs. | Net. ea. |
|----------|----------|-------------|----------|----------|
| A45DX075 | 71' | 20'8" | 210 | 151.16 |
| A45DX082 | 54' | 20'5" | 155 | 124.18 |
| A45DX083 | 37' | 20'3" | 100 | 82.44 |

Ham & Industrial Towers—HS Series

Extra-Large. New iron phosphate rust-proof undercoating PLUS epoxy resin primer and baked enamel finish. Large 13 3/8" cross section diameter on top section is big enough to accommodate all Prop Pitch and other rotor motors inside top section. Heavy duty large worm gear drive winch with 3.5 to 1 ratio for maximum ease in raising tower with the largest heavy arrays of Ham Beams.

| Cat. No. | Ht. | Wt. lbs. | Mo. | Net ea. |
|----------|-----|----------|-------|---------|
| A45DX072 | 37' | 200 | 9.50 | 208.68 |
| A45DX073 | 54' | 305 | 14.00 | 292.14 |
| A45DX074 | 71' | 440 | 18.00 | 389.53 |

TRI-EX 10 SERIES

| Cat. No. | Descrip. | Lgth. | Net |
|----------|------------------------------|-------|-------|
| A44DX765 | *Top Section For 1 1/2" Mast | 10' | 17.61 |
| A44DX766 | *Top Section For 2 1/2" Mast | 10' | 17.61 |
| A44DX767 | †Standard Sec. | 10' | 17.61 |
| A44DX768 | ‡Concrete Base Mount | 5' | 8.42 |
| A44DX769 | §Adjustable Roof Mount | — | 16.85 |
| A44DX770 | Erection Fix. | 14' | 19.54 |
| A44DX771 | ¶Flat Steel Base Mount | — | 8.42 |

*35 lbs. †36 lbs. ‡18 lbs. §15 lbs. ¶80 lbs.

Double Bumper Antenna

#M8-24. Fits virtually all American and foreign cars. Easily installed . . . NO HOLES TO DRILL. Stainless steel whip is cut to 102" and has a removable adaptor. Furnished complete with 20' of RG-58/U cable with PL-259 connector and whip hold-down clip. A29DX090. . . \$5 Monthly, Net 20.33



A VARIABLE ANTENNA COIL #750 - Master Deluxe ALL BANDER! Covers 10 thru 75 and all intermediate frequencies. Silverplated single turn contact, positive spring. Eccentric cam contact, easy selection of turn. Automatic lock prevents damage to coil. A29D620. \$2 Down, Net 14.95

B NEW "ARISTOCRAT" MULTI-BAND COIL #900—For 10-15-20-40-75 meters. When used with 3' base section and 60" whip just plug into proper jack and you are ready to operate on the band of your choice! Has a "Q" of 525. Operates into a 52-ohm cable SWR under approximately 1.5:1 at resonance. Weather-sealed in plastic molded cover and case. Coil 3" in diameter. A29D670. \$2 Down, Net 14.95

C NOISE-FREE E-Z-OFF ANTENNA CONNECTOR—Model No. E-Z-295. Connect or remove your loading coils, whips or mounts in a jiffy. No wrenches, pliers or screwdrivers needed. High-grade stainless steel throughout. Positive lock—will not corrode. A29D622. Net 2.95

#M-4 ANTENNA HOLD-DOWN CLIP—Antenna whip may be fastened out of the way quickly and easily. Gutter mounted whip clip fastens to gutter of car with one screw without piercing the car body. A29D082. Net .75

#ASP-157 TEMPORARY GUTTER CLAMP ANTENNA—For 108-176, 450-470Mc with 12' RG-58/U and PL-259. Ideal for temporary mobile use. A29D084. Net 6.90

#M5-36 36" SOLID MAST EXTENSION - Chrome plated with coupling nut. Available in either chrome or Stainless Steel. A29D085. Net 4.55

#M3 AMATEUR SWIVEL BASE, ALUMINUM BALL—Insulator is black, Polyester Fiberglass, one piece. Heavy steel back-up plate. Complete with water sealing gasket and mounting hardware. Has 3/8"-24 female thread to accept rod or spring. A29D576. Net 3.03

#UH-15 ULTRA-HI "Q" COIL—For 15 meters, any band. Has "Q" well over 515. Gives more QSO's and greater DX. R29D612. Net 5.25

#UH-20 ULTRA-HI "Q" COIL—For 20 meters, any band. Has "Q" well over 515. Gives more QSO's and greater DX. Rugged construction. A29D613. Net 5.25

#UH-40 ULTRA-HI "Q" COIL—For 40 meters, any band. Has "Q" well over 515. Gives more QSO's and greater DX. A29D614. Net 5.25

#UH-75 ULTRA-HI "Q" COIL—For 75 meters, any band. Has "Q" well over 515. Gives more QSO's and greater DX. Rugged construction. A29D615. Net 5.25

"MIGHTY-MIDGET" VARIABLE ANTENNA COIL—#3-33. Engineered to provide the highest "Q" consistent with good design. Compact, extremely rugged, yet lightweight. Its operation assures precision tuning with the new adjustable silver-plated roller that stays put! Perfect for 40-20-15-11-10 meters. Gets 5 bands plus on 1 coil. A29D621. Net 9.95

#M-3AD CHROME SPRING—Same as #M-3A only chrome. A29DX830. Net 3.24

D STANDARD AMATEUR MOBILE BASE—SPRING-WHIP TYPE ANTENNA—Model No. M-1. Complete assembly includes aluminum swivel base, cadmium plated spring and 102" stainless steel whip. Swivel ball has thick, one piece Polyester Fiberglass insulation. Heavy steel back-up plate. Base is complete; water sealing gasket and mounting hardware. A29DX065. Net 8.75

E "VICTORY" MULTI-BAND COIL #999 -For 10-15-20 Meters Only. When used with 3' base section and 60" whip just plug into proper jack and you are ready to operate on the band of your choice! Has a "Q" of 525. Operates into a 52-ohm cable SWR under approximately 1.5:1 at resonance. Weather-sealed in plastic molded cover and case. Coil 3" in diameter. A29D971. \$2 Down, Net 14.95

F ALL-BAND BASE LOADING ANTENNA COIL—New "Slim Jim" with 96" whip. For 10-11-15-20-40-80 meters. Positive action of the whip provides accurate and tight contact whenever you set it. Rough rides, jolts will not change slider position, contact with the coil remains firm and electrically good. No more losses in tuning, or pruning. Just slide in or out to final loading point and lock nut into position. A29D972. \$2 Down, Net 17.95

#G-1 STANDARD SWIVEL BASE, SPRING AND WHIP ANTENNA—Professional model. A29DX063. \$2 Down, Net 18.81

#ASP-143 DOUBLE CHAIN BUMPER MOUNT—An ingenious assembly of a double chain of "Z" shaped links, easily adjustable to fit on any width bumper. Can be fastened quickly by means of a standard open end wrench. Receptacle for spring or whip with phenolic insulators mounted between links. For use with ASP3A spring and/or ASP-3BL whip. (3/8"-24 thread). Entire assembly of alloy steel, cadmium plated. A29DX073. Net 7.95

#M-2A SINGLE CHAIN BUMPER MOUNT—Same as above with single chain of links, and receptacle mounted between. For use with M-3A spring and/or M-3B whip. A29DX074. Net 5.25

#M-3B 96" STAINLESS STEEL WHIP WITH CADMIUM REMOVABLE ADAPTOR—Can be cut to length. A29DX075. Net 4.35

#M-3A AMATEUR SPRING FOR USE WITH WHIP—Specially styled Amateur spring for 102" maximum length whip. Will bend through 90° arc without breaking or failing in performance. Maximum electrical conductivity assured by a permanent center braid. Ends threaded for 3/8"x24 male-female. Cadmium plated. A29DX076. Net 2.04

#M-1D STANDARD AMATEUR MOBILE BASE—SPRING-WHIP TYPE ANTENNA—complete assembly includes beautiful chrome swivel base, chrome spring and 102 inch stainless steel whip. Chrome plated, mirror finish swivel ball has thick, one piece Polyester Fiberglass insulation. Heavy steel back-up plate. Base is complete with water sealing gasket and mounting hardware. Chrome plated spring has center brak for maximum conductivity. Will bend through 90° arc without damage. Official size. A29DX764. Net 11.75

#M-25 "MINI SPRING"—Small spring for whip on loading coil. A29D100. Net 1.98

HAM ACCESSORIES



A SKILLMAN SEMI-AUTOMATIC SPEED-MASTER "BUG"—Adjusts easily from 10 WPM to any speed you desire. All operating parts precision-tooled with 8 separate tension and speed adjustment knobs. Silver contacts.
A94L540 Ship. wt. 5½ lbs. Net 9.95

B CODE PRACTICE SET KEY AND BUZZER. Adjustable code practice key, buzzer works off a flashlight battery.
A94L505 Ship. wt. 1 lb. Net 1.79

C SKILLMAN DELUXE HIGH-SPEED BRASS KEY—Fully adjustable to proper spacing and spring tension. Chrome-plated brass binding posts. Solid polished brass base; solid silver contacts; ball-bearing pivots; circuit closing switch.
A94L530 Ship. wt. 1½ lbs. Net 1.95

D CODE PRACTICE BUZZER—High quality, buzzer. Silver contacts.
A94L510 Ship. wt. 5 oz. Net .89

E SKILLMAN SPEED KEY—Smooth-acting, rugged, low-cost beginner key. Silver contacts, spring bearings, nickel-plated metal parts, bakelite base and knob.
A94L500 Ship. wt. ¼ lb. Net .69

Petersen Precision Crystals

Low drift, less than two cycles per MC per degree Centigrade, high activity, stability, and output. ½" pin spacing. Sealed against contamination and moisture. Z-2 and Z-3 crystals are supplied integral kilocycles only, no fractions. All amateur crystals calibrated plus or minus 500 cycles, except 160 meters, which are plus or minus 250 cycles, and type Z-9A, plus or minus 3 Kc. Units unconditionally guaranteed. Ship. wt. 8 oz.

Type Z-2

| Range | Range |
|---------------|---------------|
| 1750-2000 kc. | 6740-6807 kc. |
| 3500-4000 kc. | 7000-7425 kc. |
| 5000-5500 kc. | 8000-8222 kc. |
| 5555-6000 kc. | 8334-9000 kc. |
| 6250-6750 kc. | 9000-9250 kc. |

A41D200, Type Z-2, Specify Frequency. Net 2.88

Type Z-3

| Range | Range |
|-----------------|-----------------|
| 12000-12333 kc. | 13480-13615 kc. |
| 12500-13500 kc. | 14000-14850 kc. |

A41D211, Type Z-3, Specify Frequency. Net 3.87
Type Z-9A, Citizens Band Crystals. Please specify frequency desired.

A41D218, Z-9A Citizens Band, Net 2.88
Type Z-9A, For radio control of model airplanes and boats. Frequency 27.255 Mc. Tolerance .04%. Ship. wt. 4 oz.

A41D215, Type Z-9A, Net 3.87
Type Z-1, MARS Crystals. Officially assigned transmitter frequencies in the range of 1500 to 10,000 KC. Tolerance .005%. Ship. wt. 4 oz.

A41D219, Type Z-1 MARS. Net 3.38
Type Z-1, CAP Crystals. Officially assigned transmitter frequencies in the range of 1500 to 10,000 KC. Tolerance .005%. Ship. wt. 4 oz.

A41D217, Type Z-1 CAP. Net 3.38

Regency Hi-Pass Filters

Constant "K" type filter with cut-off approximately 45mc in a 300-ohm balanced line. Attenuation at 29mc approximately 20db; at 14mc and below, 40db or more. Signals over 55mc passed through without loss.

A45D621 Regency HP-45. Net 1.65

Bud Low Pass Filter

MODEL LF 601A: Minimum attenuation of 85 db on all frequencies above 45 mc. and a minimum of 93 db above 70 mc. Cut-off frequency 42 mc. Handles full KW. Used with either 52 or 72 ohm coax. Ship. wt. 1 lb.

A45D001, Bud LF 601A. Net 17.25

B & W Coaxial Switch

MODEL 550A: Single instant selection of any one of five transmitters, antennas, exciters, receivers, and other RF generating devices using 52 or 75 ohm line. Up to 1 KW of power with maximum crosstalk of -45 db at 30 mc.

A45D533, Wt. 1½ lbs. Net 8.25

Electric Timer

10 MINUTE SIGNAL. Timer sounds a buzzer every 10 minutes as a reminder to give your call letters. Timer plugs into 110V AC, is self starting. Walnut finish. Ship. wt. 1½ lbs.

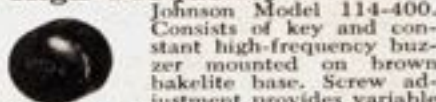
A45DX588 Net 12.50

AMPHENOL Folded Dipoles

Folded dipole antennas cut for most popular Amateur bands. Have excellent broadband characteristics. Antenna sections use high-strength 300-ohm twin-line with copper-clad steel conductors. May be cut for short wave, FM or other bands. (Use 20-meter dipole for cutting to 15-meter length, 40-meter dipole for the 9 or 12-mc SW band.) Supplied with T-block assembly and 75 feet of 300-ohm twin lead transmission line.

| Cat. No. | Type | Band | Feet | Lbs. | Net |
|----------|---------|------|------|------|-------|
| A29D036 | 130-010 | 10M | 18 | 2 | 5.24 |
| A29D037 | 130-020 | 20M | 35 | 3 | 5.88 |
| A29D038 | 139-040 | 40M | 70 | 4 | 7.44 |
| A29D039 | 130-080 | 80M | 135 | 5 | 11.02 |

High-Frequency Buzzer



Johnson Model 114-400. Consists of key and constant high-frequency buzzer mounted on brown bakelite base. Screw adjustment provides variable tone. Key has silver contacts. Can be used individually or in pairs for code practice. Requires 3 v. DC (2-1½ v. batteries). Ship. wt. 2 lbs.

A20C653, Buzzer 114-400. Net 1.85

Kwick Patch Phone Patches

Hybrid transformer is completely shielded and hermetically sealed, is flat from 200 to 4000 cycles plus or minus ½ db. The AM units use one of these transformers together with a heavy duty shielded condenser. The side-banders use two transformers in a balanced circuit to achieve an unusually low null. Small in size, 2x4", these units can be mounted wherever convenient. No switching is necessary except to turn on and off. Simple to install and easy to use, with no gain controls to complicate operation. Your transmitter and receiver controls work as usual. Royal blue and Hammer-tone gray finish.

AM Model KWP-1. For single connector microphones. Fits all transmitters.

A45D174, KWP-1 Net 14.95

AM Model KWP-2. A modification for push to talk gear.

A45D175, KWP-2 Net 14.95

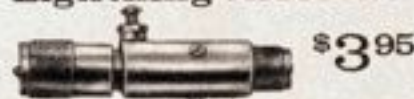
Sidebander Model KWP-3. For DSB, SSB, AM or Vox transmitters. For single connector microphones.

A45D176, KWP-3 Net 24.95

Sidebander Model KWP-4. A modification for push to talk.

A45D177, KWP-4 Net 24.95

Lightning Arrester



CUSHCRAFT "BLITZ-BUG" COAX LIGHTNING ARRESTER—Use this new Cushcraft coaxial lightning arrester in your coax feedline. Protects against the surge that occurs during lightning, when voltage builds up and spark jumps gap. Gaps set so they won't break down below 1000 volts allowing normal x-mitter operation. Ship. wt. 1 lb.

A29DX821 Net 3.95

24 Hour Electric World Clock



- Chrome Finish, 8" Diam.
- Sweep Second Hand

\$770*

*Plus 10% F.E.T.

The times of the zones of the world, a true 24 hour clock. Self starting, and U/L approved for your protection. Inner dial has South Polar projection.

A45DX791 Ship. wt. 1½ lbs. Net 7.70

12 Hour or 24 Hour Clock and Timer



12-Hour

24-Hour

\$19.00*

*Plus 10% F.E.T.

\$22.50*

Combination 12 hour clock and 10 minute reminder buzzer. Also in 24 hour model for keeping "Navy Style" logs.

A45DX589 12 Hr. Type. Wt. 1½ lbs. 19.00*

A45DX590 24 Hr. Type. Wt. 1½ lbs. 22.50*

Hy-gain Communication Antennas



A THUNDERBIRD TRIBANDER: For 10, 15, & 20 meters. 2" OD boom, 1 1/4" telescoping to 3/4" elements. Aluminum, 100% rustproof. Guaranteed less than 2 to 1 SWR. Quick assembly. Withstands maximum legal power.

| Cat. No. | Type | Elements | Boom Length | Lbs. | Net |
|----------|------|----------|-------------|------|--------|
| A29DX302 | TH-2 | 2 | 6' | 23 | 59.95 |
| A29DX301 | TH-3 | 3 | 14' | 36 | 89.95 |
| A29DX300 | TH-4 | 4 | 16' | 42 | 117.95 |

B MULTI-BAND DOUBLET ANTENNA: Unique construction, uses copper-clad steel wire covered by 3/8" dia. polyethylene extrusion. SWR less than 2:1. Uses stub decoupling. \$5 Monthly.

| Cat. No. | Type | Bands | ft. | Lbs. | Net |
|----------|------|-------|-----|-------|-------|
| A29DX303 | 2BD | 40-80 | 122 | 5 1/2 | 34.95 |
| A29DX304 | 4BD | 6-20 | 30 | 4 | 19.95 |
| A29DX305 | 5BD | 6-40 | 60 | 5 | 29.95 |
| A29DX306 | 6BD | 6-80 | 122 | 7 | 37.50 |

HY-GAIN HALOS: High mechanical stability with minimum wind resistance. Fits any standard mobile mount. Heavy duty hardware, high impact styron insulators. Eliminates weather problems. No external matching sections required.

| | | | | |
|----------|------|-----------------------|------------|-------|
| A29DX790 | HH-2 | 2-meter | 1 1/2 lbs. | 5.95 |
| A29DX789 | HH-6 | 6-meter | Wt. 5 lbs. | 12.95 |
| A29DX795 | HM | Mfg. Mast for 2 or 6M | | 4.95 |

C HY-GAIN VHF ANTENNAS: Lightweight, pre-assembled arrays designed for easy installation. All beams feature perfect 1:1 SWR—only \$2 down!

| Cat. No. | Type | Description | Length | Lbs. | Net |
|----------|------|-------------|--------|------|-------|
| A29DX289 | 25 | 2M, 5-ele. | 6 ft. | 4 | 8.95 |
| A29DX791 | 210 | 2M, 10-ele. | 12 ft. | 7 | 14.95 |
| A29DX776 | 658 | 6M, 5-ele. | 9 ft. | 9 | 18.95 |
| A29DX777 | 688 | 6M, 8-ele. | 18 ft. | 13 | 32.95 |

HY-GAIN MONOBANDERS: 3-element single band parasitic arrays. SWR 1.5:1 or less, but adjustable for site variations. 52 ohm coax fed, allows tuning for maximum forward gain and front to back ratios. Maximum legal power rating. Ship. wt. 25 lbs.

| | | | |
|----------|---------------------|--------------|-------|
| A29DX772 | 103B | 10M, Boom 8' | 32.95 |
| A29DX773 | 153B, 15M, Boom 12' | 35 lbs. | 38.50 |
| A29DX774 | 203B, 20M, Boom 16' | 54 lbs. | 65.95 |

D HY-GAIN MOBILE ANTENNAS: Model T3 automatic 3-band loading coil, may be used with any standard base and whip or Hy-Gain TBW base and whip. Model T3TBW, telescoping base/whip assembly. Extends 3' to 8 1/2". W/coil.

| | | | |
|----------|-------|----------------------------|-------|
| A29DX793 | T3 | Loading coil, 1 lb. | 16.95 |
| A29DX794 | TBW | Base/whip ass'y. 2 lb. | 15.00 |
| A29DX307 | T3TBW | Complete, Ship. wt. 3 lbs. | 29.95 |

MULTI-BAND VERTICALS

Hy-Gain Hy-Tower Model 18MT. Covers 10, 15, 20, 40 and 80 Meters with superb efficiency. Low SWR. Feed directly with 52 ohm coax. SWR less than 2:1 on all bands. Tower height 24'. 2" 3/4" OD aluminum mast extends to overall 50'. No guy wires required, completely self-supporting in high wind velocities. Easy installation. Can be mounted on 2 sq. ft. of real estate.

A29DX758 Wt. 105 lbs. \$7 Mo., Net 129.50
12 AVS, 10-15-20M Vertical. Self-supporting, 13.5 ft. high. Factory pre-tuned. SWR 2:1 or less. Weatherproof nylon base assembly, 52 ohm coax feed.

A29DX783 Wt. 9 lbs. \$5 Mo., Net 21.95
14 AVS, 10-15-20-40M Vertical. Includes Capacity Hat and nylon base mount, 21 ft. high.

A29DX775 Wt. 10 lbs. \$5 Mo., Net 27.95
Model 12 RMK, Roofmount Kit for 12 AVS.

A29DX787 12 RMK, Wt. 7 lbs., 9.50
Model 14 RMK, Roofmount Kit for 14 AVS.

A29DX788 14 RMK, Wt. 9 lbs., Net 11.95
6M Add Kit for 12 or 14 AVS.

A29DX297 6 MK, Ship. wt. 2 lbs., 4.95
80M Loading Coil for 14 AVS.

A29DX298 LC-80, Ship. wt. 1 lb., 7.95



POWERMASTER ANTENNAS

Single-band rotary antennas. Full-sized 3-element arrays 100% rust-proof. Each designed for a single band—10, 15 or 20M. Aluminum elements and boom, stainless steel hardware. 8.9 gain on all bands. 1.1:1 SWR. 52 ohm coax.

Model A-310. For 10M, 28 db front-to-back. Max. element 15'3". Boom length 12'. Turning radius 11'1".

A29DX395 Wt. 33 lbs. \$5 Mo., Net 37.50

Model A-315. For 15M, 28 db front-to-back. Max. element 17'8". Boom length 12'. Turning Radius 13'2".

A29DX573 Wt. 34 lbs., \$5 Mo., Net 42.50

Model A-320. For 20M, 25 db front-to-back. Max. element 35'4". Boom length 14'. Turning radius 18'9".

A29DX574 Wt. 40 lbs., \$5 Mo., Net 77.25

E MODEL A-2N6—Five elements—2 meter, plus 4 element 6 meter. 2 meter forward 11.4 db. front to back 11.5 db. SWR 1.1. Max. element length 3'5". Turning radius 8'9". Six meter forward 9.6 db. Front to back 16.3 db. SWR 1.1. Max. ele. length 8'. Turning radius 8'9". Ship. wt. 20 lbs.

A29DX588. \$5 Monthly, Net 67.05

MODEL A-142—14 elements, 2 meter. Forward gain 13 db. Front to back 20 db. SWR. 1.1 max. element length 3'5".

A29DX586 Wt. 12 lbs., \$5 Mo., Net 48.75

MODEL A-56—5 Element, 2 meter. Forward gain 11 db. Front to back 20 db. SWR. 1.1 Max. element length 9'8".

A29DX587 Wt. 14 lbs., \$5 Mo., Net 41.95

TOTE-TENNA

F Model TT-31: 3-band operation for 10, 15 and 20M. Completely portable and ideal for Hams who travel. Full electrical 1/2 wavelength on each of the three bands. Opens to 14' but packs into a space just 4 1/2"x8"x36". Comp.

A29DX233 Wt. 6 lbs., \$5 Mo., Net 80.00

Model TT-31-X. Same as above, except it also contains a carrying case and an SWR bridge. Ship. wt. 10 lbs.

A29DX232, TT-31-X. \$7.50 Mo., Net 149.50

TRAP MASTER ANTENNAS

G Model TA-33: 3-element beam rated to full KW. 8 db forward gain; 25 db front-to-back. 1.1:1 SWR. Boom length 14'. Max. ele. length 15 1/2".

A29DX296 Wt. 53 lbs. \$5 Mo., Net 99.75

Model TA-33Jr.: 3-element, rated to 300 W. 8 db forward gain, 25 db front-to-back. Boom length 12', ele. 26'8".

A29DX291 Wt. 28 lbs., \$5 Mo., Net 69.50

Model TA-32Jr.: 2-element, rated to 300W. 5.5db forward gain, 20db front-to-back. Boom length 6'. Max. ele. length 26'8".

A29DX292 Wt. 22 lbs., \$5 Mo., Net 49.50

Mosley Model MA-3: 3 band mobile whip antenna for 10, 15 and 20 meter bands functions without switches, sliding contacts or other mechanical devices. Stainless steel whip sections.

A29DX228 Wt. 6 lbs. \$2 Down, Net 19.95

VERTICAL ANTENNAS

MODEL V-4-6—Broad band Vertical with automatic band switching 10 to 40M. Rated to full KW. Maintains electrical quarter wave on each band. Complete with base-plate insulator, Guy rope and hardware. Max. height 20'.

A29DX229 Wt. 12 lbs., \$5 Mo., Net 27.95

MODEL V-3—10-15-20M Vertical rated to full KW. Electrical quarter wave on each band. 11'6" from base to tip. Complete with baseplate, guy-line, necessary hardware.

A29DX294 Wt. 8 lbs. \$5 Mo., Net 22.95

MODEL V-3 JR.—Same specifications as V-3, rated only to 300W, 11'9"H.

A29DX295 Ship. wt. 6 lbs., Net 17.95

MODEL D-4BC BASE LOADING COIL—For 75 and 80M operation of V-4-6 Antenna. Mounts easily on base section.

A29DX231 Ship. wt. 3 lbs., Net 14.95

Model V-5: 5 band vertical, work 10-80M with one antenna. Handles power of 1 KW. 100% rustproof; weatherproof trap assemblies used throughout. Max. height 43'8". Complete with guy rope, base with coax fitting, all hardware.

A29DX227. \$6 Monthly, Net 118.50

Model V-4-8: 2 band vertical for 40 and 80M. 100% rustproof construction. Trap assembly handles 1 KW in the antenna. Max. length is 52'3". Comes complete with base mount, guy rope, hardware and detailed instructions.

A29DX226. \$5 Monthly, Net 85.00

TURNER & ASTATIC Communication Microphones



Amateur, Mobile Hand Microphones

A TURNER MOBILE HAND-HELD MICROPHONES—MODELS 350X-350C-350R: Momentary on-off switch. Extra-tough plastic case. Equipped with 11" retracted, 5' extended, plastic-jacketed, coiled cord. Complete with hanger button and standard dash bracket for easy mounting. Crystal, Ceramic or Carbon models.

| Cat. No. | Model | Type | Ship wt. | Response | Output | Terms | Net |
|----------|-------|---------|----------|-----------|--------|----------|-------|
| A20C235 | 350X | Crystal | 1 lb. | 60-8,500 | -48 db | \$2 Down | 9.88 |
| A20C236 | 350C | Ceramic | 1 lb. | 80-7,000 | -54 db | \$2 Down | 9.88 |
| A20C237 | 350R | Carbon | 1 lb. | 200-4,000 | -38 db | \$2 Down | 11.18 |

B TURNER "LIFT-SWITCH" MODEL 254 CRYSTAL MICROPHONE: Lift-to-talk switch is equipped with disabling mechanism to allow use of Touch-to-talk switch. Switch also has permanent "on" position. Both DPST switches can operate an external relay if desired. Output level: -48 db at hi-impedance.

| | | | | | | | |
|--|----------------------|--|--|--|--|---------------|-------|
| A20C230 | Ship. wt. 2 1/2 lbs. | | | | | \$2 Down, Net | 13.82 |
| TURNER MODEL 250 DYNAMIC CHROME MIKE: Complete with 20' cable. | | | | | | | |
| A20C228 | Ship. wt. 2 1/2 lbs. | | | | | \$2 Down, Net | 29.10 |
| TURNER MODEL 256 CRYSTAL CHROME MIKE: 20' cable. | | | | | | | |
| A20C234 | Ship. wt. 2 1/2 lbs. | | | | | \$2 Down, Net | 20.58 |

Paging-Public Address-Label Mikes

TURNER MODEL 33 PAGING MICROPHONE: Model 33 is available with either crystal (33X) or dynamic (33D) circuit. Model 33X for INDOOR use; Model 33D for OUTDOOR. 20 ft. cable with connector. Model 33D—Dynamic—Output level -54 db on high impedance model. (Specify 200, 500 ohms or high impedance when ordering.) 30-9,000 ± 5 db. Ship. wt. 1 lb.

| | | | | | | | |
|---|--------------------------------|--|--|--|--|---------------|-------|
| A20C151 | 33D Dynamic. | | | | | \$2 Down, Net | 20.58 |
| A20C152 | 33X Crystal hi-z. | | | | | \$2 Down, Net | 16.17 |
| TURNER MODEL 141 PUBLIC ADDRESS CRYSTAL MIKE: Highest output small mike we've seen. Output level: -52 db, response 60-10,000 cps. Overall 3 3/4", light gray case. 6-ft. single conductor shielded cable. Ship. wt. 3/4 lb. | | | | | | | |
| A20C286 | Turner 141 Microphone. | | | | | \$2 Down, Net | 7.94 |
| A20C287 | Turner L-14 Lavalier assembly. | | | | | \$2 Down, Net | 2.64 |
| A20C288 | Turner 144 Matching stand. | | | | | \$2 Down, Net | 2.64 |
| TURNER MODEL L-100 LABEL MIKE: With swivel clip that grips from any angle. Freq. response: 50-10,000 cy. Output level 52 db below 1V/dyne/sq. cm. 20' cable. 2 x 3/16". Wt. 1 lb. | | | | | | | |
| A20C243 | Turner L-100. | | | | | \$2 Down, Net | 7.35 |

TURNER Tape Recording-Misc. Mikes:

C TURNER TAPE RECORDING CRYSTAL MICROPHONE MODEL 304X AND 304C: Complete with accessories: Desk stand, lavalier clip, string and stand adaptor. Beautifully designed slender, black plastic.

| | | | | | | | |
|---------|------|----------------------|---------------------|----------------|--|---------------|------|
| A20C246 | 304X | Ship. wt. 1 1/4 lbs. | Response 60-10,000. | Output -54 db. | | \$2 Down, Net | 9.70 |
| A20C247 | 304C | Ship. wt. 1 1/4 lbs. | Response 60-10,000. | Output -60 db. | | \$2 Down, Net | 9.70 |

TURNER MODEL 80 MINIATURE CRYSTAL CHROME MICROPHONE: Level: -54 db below 1 volt/dyne/sq. cm. Response: 80-7,000 cps. No adapter required for desk or floor-stand mtg. Complete with 7-ft. cable. List \$15.95.

| | | | | | | | |
|---------|---------------------------------------|--|--|--|--|---------------|------|
| A20C076 | Ship. wt. 1 lb. Type 80. As above. | | | | | \$2 Down, Net | 9.38 |
| A20C079 | Ship. wt. 1 lb. Type C-2. Desk stand. | | | | | \$2 Down, Net | 3.24 |

D TURNER MODEL 58 LAVALIER BROADCAST MICROPHONE: Designed to resist harmful effects of physical shock, temperature extremes, and moisture. Response is 60-13,000 cps. Level -57 db at high impedance. Dimensions: length 4", diameter 1". Weight 3 1/2 oz., less cable. Comes with 25' supple, non-kink cable, celerese braided, 3 conductor. Ship. wt. 1 1/2 lbs.

| | | | | | | | |
|----------|--|--|--|--|--|---------------|-------|
| A20C244. | | | | | | \$2 Down, Net | 33.52 |
|----------|--|--|--|--|--|---------------|-------|

ASTATIC Citizen Band Microphone

E ASTATIC CITIZEN BAND MODEL 331 CERAMIC MICROPHONE: Built in momentary-on, spring-return switch. Complete with hang up bracket. Response 300-5,000 c.p.s. Output -56 db. A20C046 Ship. wt. 1 lb. \$2 down, Net 10.53

ASTATIC Crystal Microphones

ASTATIC MODEL D104 PREMIER CRYSTAL MICROPHONE: Output level -48 db. Range 30 to 7,500 cycles. Finished in chrome. Includes interchangeable plug and connector, spring cable protector, 5-ft. cable.

| | | | | | | | |
|---|-----------------|--|--|--|--|---------------|-------|
| A20C002 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 18.23 |
| ASTATIC MODEL 10-M5A CARBON HAND HELD PUSH TO TALK MICROPHONE—Thumb operated. Gray die-cast housing. 4-conductor, self-coiling cable, retracted 12", extended 5 ft. List \$29.50. Ship. wt. 1 lb. | | | | | | | |
| A20C042 | Astatic 10-M5A. | | | | | \$2 Down, Net | 17.35 |

ASTATIC MODEL 332 HI-FI RECORDING CRYSTAL MICROPHONE: For tape recording, public address and general applications. Built-in on-off switches with lock-on provision. Complete with lavaliers and stand adaptors with 3/8"-27 thread. "Pop-proof" and "blast-proof" diaphragm. Response 30-15,000 cps. Output -54 db. 8' cable.

| | | | | | | | |
|---|-----------------|--|--|--|--|---------------|-------|
| A20C045 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 10.53 |
| ASTATIC HOME RECORDING CRYSTAL MICROPHONE—MODEL M-302: Designed primarily for home recording. Can be used to replace many hand held and desk type high impedance mikes. Response 30-10,000 cps. Output -48 db (1 volt/dyne/cm ²). | | | | | | | |
| A20C047 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 7.35 |

ASTATIC Dynamic Microphones

ASTATIC DYNAMIC HIGH IMPEDANCE MICROPHONE, MODEL 335H —For recording, public address, communications, and many other lavalier, hand or stand applications. Built-in on-off switches with lock-on provision and are furnished complete with lavaliers and stand adaptors with 3/8"-27 thread. "Pop-proof" and "blast-proof" diaphragm.

| | | | | | | | |
|--|-----------------|--|--|--|--|---------------|-------|
| A20C048 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 13.82 |
| ASTATIC DYNAMIC LOW IMPEDANCE MICROPHONE, MODEL 335L—(same as 335H). | | | | | | | |
| A20C049 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 15.58 |

ASTATIC WIDE RANGE SEMI-DIRECTIONAL CRYSTAL MICROPHONE, JT-30—Specifically designed for general PA, recording and communications. Microphone threaded for 3/8"-27 thread mounting, concentric cable connector, Streamline die cast alloy housing, in opalescent grey baked Hammerlin finish with bright chrome grille and fittings. Includes handle and interlocking base. Response 30-10,000 cps. Output -49 db. 8' cable.

| | | | | | | | |
|---------|-----------------|--|--|--|--|---------------|-------|
| A20C006 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 10.82 |
|---------|-----------------|--|--|--|--|---------------|-------|

ASTATIC GENERAL PURPOSE CRYSTAL MICROPHONE, T-3—Popular in all applications for PA, studio, recording and communications. Swivel hinge provides tilting head action. Converts the microphone from semi to non-directional pickup. Also a convenient method of controlling acoustical feedback. Standard 3/8"-27 thread mounting adaptable to lock-switch adaptor SC-11 or Model G (Grip-to-Talk) stand. Attractive streamline appearance with bright chrome finish and matching wire mesh grille. Complete with 10' cable. Response 30-10,000 cps. Output -42 db.

| | | | | | | | |
|---------|-----------------|--|--|--|--|---------------|-------|
| A20C003 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 17.23 |
|---------|-----------------|--|--|--|--|---------------|-------|

LANSING PROFESSIONAL MICROPHONES



"Golden"
Diaphragm!
Full Freq.
Response!

ALTEC LANSING PROFESSIONAL QUALITY MICROPHONE, MODEL 681A — Features new "Golden" Diaphragm—smooth, wider frequency response, highest sensitivity. SPECIFICATIONS: Type—Moving coil dynamic; Response—50-18,000; Output—-55 db; Pickup Pattern—Omnidirectional; Size—1 1/2" diameter at top, 7 3/8" long. Mounting—Separate "Slip-On" adapter No. 13338 furnished. 3/8"-27 thread.

| | | | | | | | |
|---------|-----------------|--|--|--|--|---------------|-------|
| A20C052 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 36.00 |
|---------|-----------------|--|--|--|--|---------------|-------|

ALTEC LANSING PROFESSIONAL QUALITY MICROPHONE, MODEL 682A — SPECIFICATIONS: Type—Moving coil dynamic; Response—45-20,000; Output—-55 db; Pickup Pattern—Omnidirectional; Size—1 1/2" diameter at top, 7" long not including plug. Mounting—Separate "Slip-On" adapter No. 13338 furnished. 3/8"-27 thread.

| | | | | | | | |
|---------|-----------------|--|--|--|--|---------------|-------|
| A20C053 | Ship. wt. 1 lb. | | | | | \$2 Down, Net | 49.50 |
|---------|-----------------|--|--|--|--|---------------|-------|

INCLUDES SINTERED BRONZE FILTER

USE OUR
EASY
PAY PLAN

Radio Shack Guarantees "Satisfaction Or Your Money Back". See Page 1.

RADIO SHACK • 103



**CRYSTAL MIKE
and TELEPHONE
PICK-UP COIL!**

- 2-Position Switch!
- 5 Ft. Mike Cable!
- Pull-out Stand!

\$3⁸⁹

Leave it to Radio Shack to come up with a fabulous, compact, versatile microphone like *this!* Bearing the proud trademark of Archer, this mighty little instrument is a precision-crafted combination of crystal microphone and telephone pick-up coil. In fact, it's so small that it won't even make the slightest bulge in your pocket! It contains a 2-position switch for converting to either crystal mike or telephone pick-up coil. Five feet of microphone cable is also included, as well as a standard size male plug. An additional highlight of this unusual mike is a pull-out stand for any positioning when using for recording purposes. Handsomely designed in hard vinyl plastic, it's striking two-tone grey. It's truly tiny in size, mighty in power, and a triumph in skillful engineering! Ship. wt. ½ lb.

A911110 ArcherNet 3.89

**NEW COMPACT
VERSATILE
MICROPHONE!**

- Outstanding Value!
- Powerful In Use!
- Attractive Design!

\$4⁹⁵



It's compact, sturdy and rugged! It's the most versatile of hand held microphones with a variety of uses and applications in both the mobile and industrial fields. Use in public address systems, police, ship to shore, amateur radio (citizens band or ham) and aircraft. Simple slide switch to operate microphone and relay circuits for transmitting and receiving. Response 100-9,000 cps. High Impedance—50,000 Ohms. This attractive microphone has a sturdy polystyrene case which is impact-resistant to protect the microphone against damage. It comes complete with a mounting bracket, five foot single conductor shielded cable including two color coded switching conductors in the same plastic jacket. You receive complete instructions for hook-up of color coded leads. Compare this microphone with others at twice the cost and see the real value you will get. Size: 3"x1¾"x1".

A911151 R599 Ship. wt. 2 lbs.Net 4.95

All-New ARCHER "Lipstick" Crystal

New amazing, exceptionally high quality microphone is a mere 4¾" long and averages ¾" diameter; has a net weight of a breath-taking THREE OUNCES. Hi-Fi 50-10,000 cps response! Includes 10' of cable, novel stand attachment to allow full 180° tilt from straight down to straight up! In addition it is 100% detachable for hand-mike use. We have NEVER seen a mike of this caliber sold for even TWICE our low price, yet this all-metal grey and chrome miniature is everything anyone could desire in a mike. NOTE: includes hand written frequency check at 300, 1000 and 3000 cps.

A911149 Ship. wt. 2 lbs.Net 4.95
A20CX370 Desk stand for mike. Ship. wt. 2½ lbs.Net 1.76



Less Stand

**Save! All-Purpose
Crystal Microphone**

Compare this low priced microphone with others costing up to 8.95. It's ideal for general application, public address, home recording, CD, police and fire depts., schools, industry! 60-8,000 cps response and output level 48 db. Sleek, modern lines; the microphone is molded TV-grey construction. You will also get 15 feet of cable and swivel tiltable neck with standard ¾" 27 thread. Dimensions: 3¼" x 3¼" x 2¾". Mike can be easily attached to desk stand and moved about with ease. Swivel neck will tilt on stand at desired position.

A911147 Ship. wt. 1 lb.Net 2.95
A20CX370 Ship. wt. 2½ lbs.Net 1.76



**Dual-Impedance
Dynamic Hi-Fi
Mike 40-13,500 CPS**

Completely modern in styling, performance and convenience. Compare this microphone with others up to \$40 and see the features and value you get. This dynamic microphone has tuned-cavity design to exclude noise! Dual-impedance 50,000 or 250 ohms—output 56 db! hi-fi range. Hand-held style. Slim, black body 1¼" x 7¼". Slips in and out of felt-lined cradle. Built-in slide switch. 8 ft. cord.

A911140 Mike Only. Ship. wt. 2 lbs.Net 9.49
A20CX370 Desk Stand only. Ship. wt. 2½ lbs.Net 1.76

**High Impedance Microphone
50-12,000 Cy. Resp.**



High fidelity specs are in this all new Archer mike designed for broadcast and television use where requirements are strict for clear, crisp speech and music! Frequency resp.: 50 to 12,000 cps. High output—56 db. Swivels down 90°. Standard mounting thread. Compl. with cord.

A911130 Mike only. Wt. 1 lb.Net 8.95
A20CX370 Desk Stand. Wt. 2½ lbs. Net 1.76

Crystal Mike/Desk Stand

Compact size fits neatly on desk, may be picked up for hand use. High impedance; 50,000 ohms at 1000 cycles. Frequency response; 80 to 7000 cps. Has 6 foot shielded mike cable. Complete with a two-way microphone desk stand. Save now on this big value, over two-thirds off from the original price.

A911120 Ship wt. ¾ lb.Net 2.95

**Contact Mike Fits Every
Size Harmonica**



Crystal contact mike advances harmonica's sound to compare with costlier ones! Connects easily to P.A. systems, phono or radio. No tricky installations involved. Be the life of the party now! Size: 1½" x ¾" x ¾". Ship. wt. 3 ozs.

A911115 Contact MikeNet 1.49

"Silver Dollar" Lapel Mike



Tiny hideaway size crystal mike for variety of uses. Perfect for recording, records, public addresses, interviewing and survey work, or any place where a mike may frighten a person in giving incorrect answers. This handy mike includes individual sensitivity report for 200, 1,000 and 3,000 cps, extra long 15 foot cable, swivel alligator clip.

A911100 Lapel Mike. Wt. 8 ozs. Net 1.89

STEREO CRYSTAL HEADPHONE SET

- Fatigue Free • Lightweight
- Super-Fine 40" Wires

\$1.99

"NEW LOOK" stethoscope-type headsets as new as stereophonic disks and tapes—are designed to provide sensitive reproduction for the most critical listeners. Compare these stereo crystals with others costing more! It has dual-70 K @ 1 kc! 70-15,000 cps. Serves you three ways . . . use for stereo, monaural and phones in parallel. They are lightweight and so comfortable to wear. Phone plugs on each cord. It's an exclusive at Radio Shack; Exclusive Low Price Too!

A911155 Ship. wt. 6 ozs. Net 1.99



Stereo and Monaural Headphone Sets

ARCHER



\$1.41

\$1.69

\$1.98

SINGLE CRYSTAL

Fatigue-free headset used in place of conventional, hi-imp. phones. Wide range 40" cord and miniature plug and jack. 70-7000 cps range for audiophiles, hams. Weight less than one ounce! Spreads for custom fit like Telex-type. Exclusive with Radio Shack.

A911144, Ship. wt. 6 ozs. Net 1.41

SINGLE DYNAMIC

Replaces outdated, cumbersome headsets. Sound is directed from precision 3/8" dia. speaker thru clear plastic sleeves to especially designed earphones. Excellent fidelity for monaural, response; 50-14000 cps—10 ohms @ 1 kc! Compare our new low price with those costing \$10.95.

A911124 Ship. wt. 1/2 lb. Net 1.98

Hi-Fi Pillow Speaker

Enjoy private radio and TV listening! Extremely thin, precision speaker allows monitoring from home. Response: 100-14,000 cps. Impedance: 40K at 1 kc. Tuck beneath pillow, headrest, separate plug-in cord. Compare at \$6.95.

A901206 Ship. wt. 1/2 lb. Net 1.69

STEREO DYNAMIC

Only headset of its kind in the world. Both magnetic reproducers are located at the "Y" of the neck and connected with separate plug-in attachments. Ear tips removable for sterilizing, 1 1/2 ounces. 40 to 16000 cps. Dual 10-ohm reproducers! Perfectly matched for stereo! Compare \$19.98.

A911150 Ship. wt. 1/2 lb. Net 2.49

2000-OHM Headphones

Radio Shack keeps high cost of headphones down for most popular pair of earphones on market today! Just right for receivers, crystal sets, etc. Heavy chrome steel magnets, black steel headband, rubber insulated leads, adjustable ear pieces.

A911180 Ship. wt. 3/4 lb. Net 1.98

Transistor Radio Ear Phone

Archer quality, lightweight earpiece ideal with portable American and imported transistor radios. 10 ohms. Excellent tonal quality with 50-9000 cps response. Complete with replaceable ear plug, ear frame, receiver and cord.

A911175 Ship. wt. 2 ozs. Net .98

CANNON AND TRIMM Famous Headphones

BRANDES SUPERIOR—Headset, in aluminum cases, black bakelite unbreakable caps. Double coils in each receiver. Magnets of heavy chrome steel. Supplied with black steel adjustable headband with permanent adjustment, 4 1/2-foot cotton covered cord, 2,000 ohms resistance.

A20C425 Type 85-2 Net 2.44

BRANDES ADMIRAL MATCHED TONE HEADSET, Same general construction as Brandes Superior, with terminals on inside.

A20C426 8A-2 2,000 ohms Net 2.44

A20C427 8A-3 3,000 ohms Net 2.73

A20C428 8A-5 5,000 ohms Net 3.53

CANNON ALNICO-5 PHONES TYPE 25 (ALNICO MAGNETIC No. 25)—New Cannonball model with exceptional efficiency, durability and sustained power. Diaphragm has large 2 1/4" dia. Internal cord terminal connections to prevent shock; 5 ft. moisture-resistant plastic cord.

A20C018 AM-25-2 2000 DC Ohms Net 3.82

A20C019 AM-25-3 3000 DC Ohms Net 4.12

A20C030 AM-25-5 5000 DC Ohms Net 5.00

THE FEATHERWEIGHT—Wt. 4 oz. Diam. 2 3/16", depth 3/8". Bakelite shell and cap. Forged magnet of best 36% Cobalt steel. Adjustable steel headband. Ideal for aircraft, amateurs; complete with 6-ft. moisture-proof cord.

A20C441 100 4,000 ohms Net 6.47

A20C442 106 24,000 ohms Net 6.47

THE DEPENDABLE—Bakelite shell and cap. Forged magnet of chrome steel, 2,000 ohms DC resistance. No outside terminals. Very sensitive and reliable.

A20C445 65 Complete headset Net 2.84

THE PROFESSIONAL, TYPE 70—The original Trimm headset; double-unit watch-case type with bakelite cap, shell; forged chrome steel magnets, impregnated coils, 5' moisture-proof cord. Concealed terminals; fabric-covered wire headband.

A20C449 3,000 ohms Net 3.41

A20C450 4,000 ohms Net 3.41

ARMY-NAVY PHONES—Very sensitive; 6-foot moisture-proof cord with phone tip terminals. Bi-polar magnets with 2-lb. pull. Leather headband. Inside terminals.

A20C453 29 20,000 ohms Net 11.76

ACME DELUXE PHONES: An exceptionally efficient, small, low-priced headset for amateurs, special installations. Chrome steel magnets. Molded bakelite caps.

A20C456 24 2,000 ohms Net 2.47

A20C457 27 Single 1,000 ohms phone Net 1.26

TRIMM MODEL 460 OUTLET BOX: Recommended for majority of installations; combines volume control and jack, 1000 ohms for low impedance lines, 10,000 for high. Brown hammertone finish. Specify ohms.

A20C470 Model 460 Net 2.59

HEADPHONE CUSHIONS—Airplane type, finest quality sponge rubber. For comfort when using receivers over long periods of time.

A20C471 Per pair Net .88

DOUBLE CORDS—Flexible replacement cords for any headphones. 4 1/2 feet.

A20C472 Pin tips both ends Net .41

A20C473 As above with spade tips at one end, pin tip at other end Net .41

FAMOUS

Electro-Voice

MIKES



\$64⁶⁸

Only \$5 Monthly.

- Low and High Impedance
- Superb Freq Response

E-V P.A. Recording Dynamic Microphones

ELECTRO-VOICE UNIDIRECTIONAL LINE MICROPHONE MODEL 644 SOUND SPOT - Combines the cardioid with a distributed front opening, to make the most directional microphone ever. The Model 644 has better than 2.5 times the working distance of pressure types. Cancellation from rear and sides exceeds 20 db giving practically complete rejection of unwanted sound. Reverberation and feedback are vastly lower, allowing much greater leeway in loudspeaker placement. Effective front acceptance angle is 45° each side of center giving best isolation of individual performers. Frequency Response is smooth from 40 to 12,000 cps, high output -52 db, dual high and low impedance selected by changing one tap on MC4M cable connector. 16" L. Cable 18'. List price \$110.00 Ship. wt. 2½ lbs.

A20C307 E-V 644...\$5 Monthly, Net 64.68

A E-V 654 SLIM-TRIM BROADCAST DYNAMIC - Frequency response 50-15,000 cps. Output level -55 db. Recessed selector provides 50 or 250 ohms. Built-in Cannon XL-3 connector. Acoustalloy diaphragm. ¾"-27 thread. 18' cable. 10" long with stud. 1" diam. Ship. wt. 1½ oz. TV gray enamel. List \$100.00.

A20C373 E-V 654...\$5 Monthly, Net 58.80

E-V 635 BROADCAST DYNAMIC-Compact, rugged, versatile. Omnidirectional. Response, 40-15,000 cps. Output level -55 db. 50-250 ohms impedance selector. Head tilts through 90° arc. Cannon XL-3 connector. ¾"-27 thread; size, 2" x 6¼". Satin chrome. 18' cable. Ship. wt. 1 lb. List \$82.00.

A20C120 E-V 635...\$5 Monthly, Net 48.22

B ELECTRO-VOICE CERAMIC CAROID MODEL 729 - The Model 729 is the lowest priced cardioid ever built. Random noise, reverberation and the possibility of feedback reduced by a factor of 67%. Front pickup range nearly double that of pressure microphones. Designed for public address, call and paging systems, amateur radio, home recorders, especially stereo, and general communications. Discriminating against sound from the rear makes the 729 excellent for amateur radio VOX operation. Tailored for single sideband. Output -55 db. Response 60-8,000 cps. High impedance only. May be used in any climate. Available with or without "on-off" switch. Ship. wt. 1¼ lbs. List \$24.50 for Model 729 and \$26.50 for Model 729S.

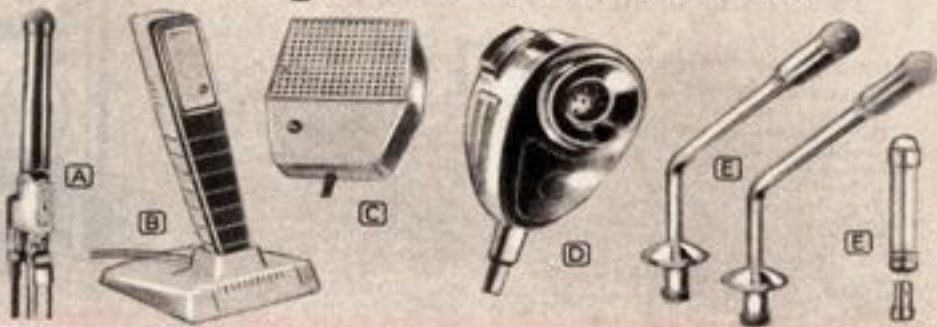
A20C309 E-V 729...\$2 Down, Net 14.41

A20C070 E-V 729S (with switch)...Net 15.58

UNIDIRECTIONAL MICROPHONES-E-V 664 CAROID DYNAMIC-Similar to E-V 666 in function, but designed for PA. Cardioid pattern at all frequencies. Less feedback than any cardioid PA mic. built. Acoustalloy diaphragm shielded from dust and magnetic particles. Response 40-15,000 cps. Output -55 db. On-Off switch. 150-ohm and high impedance. Imp. changed by moving one wire in MC4 cable connector. Pressure cast case. Chrome finish. 18' cable. Size 7¾" long, less stand coupler, 1¾" dia. Ship. wt. 1 lb. 10 oz. List \$85.00.

A20C252...\$5 Monthly, Net 49.98

A20C262 (Gold)...\$5 Monthly, Net 52.92



E-V General Purpose Crystal and Ceramic Microphones

E-V 951 CAROID CRYSTAL - Excellent wide-range, all-purpose P.A. microphone for a great variety of acoustic conditions, and especially useful where background noise and reverberation are a problem. Response 50-11,000 cps. Output -55 db. Hi-Z. On-Off switch. Pressure-cast case, satin chrome finish. 18' cable, MC-1 connector. 5¾" L. (excluding stud), 1¾" dia. overall. Ship. wt., less cable, 1¼ lbs. List \$49.50.

A20C268 E-V 951...\$5 Monthly, Net 29.11

E-V 911 "MERCURY" CRYSTAL - Same as 611. Response 50-9000 cps. Output -50 db. Metal Seal Crystal. MC-1 connector Hi-Z. 18' cable. Ship. wt. 1¼ lbs. List \$32.50.

A20C124 E-V 911...\$2 down, Net 19.11

E-V 926 SLIM CRYSTAL-Response 60-8000 cps; output level -60 db. Hi-Z. Pressure cast case, satin chrome finish. Tilttable head. 18' cable with integral strain relief. Ship. wt. 11 oz. List \$29.50.

A20C208 E-V 926...\$2 Down, Net 17.35

E-V 715 "CENTURY" CERAMIC - Ceramic element. 60-7000 cps. output -59 db. Hi-Z. 5' cable. 6 oz. List \$13.00.

A20C107 E-V 715...Net 7.64

E-V 718 CERAMIC-Use in hand or flat surface. 5' cable, adapter to match late model recorders. Improved hi-level (-55 db) ceramic. Response 60 to 6000 cps. Ship. wt. 8 ozs. List \$12.00.

A20C273 E-V 718...Net 7.06

E-V 920 "SPHEREX" CRYSTAL-All-direction pick-up. Response 60-7000 cps; output level -50 db. Head acoustically treated. Hi-Z Satin chrome. ¾"-27 thread. 18' cable. Ship. wt. 8 oz. List \$27.50.

A20C097 E-V 920...\$2 Down, Net 16.17

E-V 727 SLIM CERAMIC-A new approach to the design of ceramic microphones for PA recording and general use. Response 60-6000 cps. Output -55 db. High impedance only. 5' cable. Available with or without "on-off" switch. Size 7¾" x 1¼". Supplied with attractive stand. Shipping weight less cable, stand, 9 oz. List \$18.00.

A20C269 E-V 727...\$2 Down, Net 10.58

E-V 727S-With switch. List \$20.00.

A20C270 E-V 727S...\$2 Down, Net 11.76

E-V 924 LAVALIER CRYSTAL-For chest or hand use. Supplied with neck cord, support clips and 18' cable. Wire mesh head acoustically treated for wind and moisture protection. Output -60 db. Response 60-8000 cps. Hi-Z. Shipping weight 8 oz. List \$20.00.

A20C209 E-V 924...\$2 Down, Net 11.76

ELECTRO-VOICE HIGH LEVEL CERAMIC - Designed particularly as an improved replacement for inexpensive home recording microphones. Attractive, contemporary styling. Phono plug with adaptor molded on 5' cable matches most late model home recorders. Ceramic element protected from temperature and humidity extremes. Output -55 db; response 60 to 6000 cps. Shipping weight 12 oz. List \$12.00.

A20C324 E-V 718...Net 7.06

C ELECTRO-VOICE CERAMIC - For PA, home recording, paging and general use. Moisture sealed ceramic element. High output of 55 db; Hi-Z; 70 to 7,000 cps response. Housed in gray Styron case, 3" x 2¼" x 1¾". 5' cable. Ship. wt. 10 oz. List \$7.50.

A20C323 E-V 712...Net 4.41

MICROPHONES DYNAMIC

E-V 636 "SLIMAIR" DYNAMIC-Response 60-15,000 cps, output -55 db. Pop-proof head. Wide pickup range. On-Off switch. Satin chrome finish. Tilttable head. Built-in MC-4 connector. ¾"-27 thread. 18' cable. 10¼" long including stud. List \$72.50.

A20C098...\$5 Monthly, Net 42.63

E-V 615 "CENTURY" DYNAMIC - Response 80-8000 cps. Output -55 db. 50 ohms or Hi-Z. Lo-Z not balanced to ground. 5' cable. Pressure cast case, satin chrome. Rugged, lightweight. Size 3" x 2¾" x 1". With ¾"-27 thread stand adapter. AC-DC. List \$25.50.

A20C122...\$2 Down, Net 14.99

D E-V 600 D DYNAMIC MOBILE MIKE - Lightweight, hand-held, extra-rugged. Output -55 db. Press-to-talk switch. Acoustalloy diaphragm. 2¼" x 2" x 4". 50, 250 ohms or Hi-Z. 5' cable. Ship. wt., less cable, 8 oz. List \$47.50.

A20C115 E-V 600D \$5 Monthly, Net 27.93

E-V 630 HI-FI, HIGH OUTPUT DYNAMIC - Response 60-11,000 cps; output level -55 db. Tilttable head. Built-in MC-3 connector. On-Off switch. Satin chrome finish. Available in 50, 250 ohms, or Hi-Z. Size 2" x 6¼". 18' cable. Ship. wt. 1 lb. List \$52.50.

A20C111 E-V 630 \$5 Monthly, Net 30.87

E E-V 648 INTERCOM MICROPHONE-Extremely versatile paging, intercom, P.A. mike. Response 50-10,000 cps. Output -58 db. Choice of 50, 150, 250-ohm imp. Omnidirectional. Acoustalloy diaphragm. Nonreflecting gray. Less cable. Size 6½" x 1" (including ¾"-27 thread adapter). Ship. wt. (with adapter), 8½ oz. List \$56.00.

A20C267 E-V 648...\$5 Monthly, Net 32.93

E-V MICROPHONE ACCESSORIES

E-V 428 TOUCH-TO-TALK STAND - Fits standard ¾"-27 thread. Lever-type switch. Satin chrome; gray plastic switch lever with locking button. 7" x 5¼" base dia. Ship. wt. 1¼ lbs.

A20C255 E-V 428 5PDT\$2 Down, Net 10.29

E-V 423-A DESK STAND - Sturdy smartly styled, round die-cast base. 5¼" dia. Rich satin chrome. ¾"-27 thread. Choice of 3" or 5" matching stem riser. Ship. wt. 1 lb. List \$5.00.

A20C258 E-V 423-A...Net 2.94

E-V 300 DETACHABLE MIC. CLAMP - Light weight adapter fits any cylindrical microphone with 1" dia. Rubber insert prevents slippage on mike. ¾" pipe thread adapter for ¾"-27. List \$10.00.

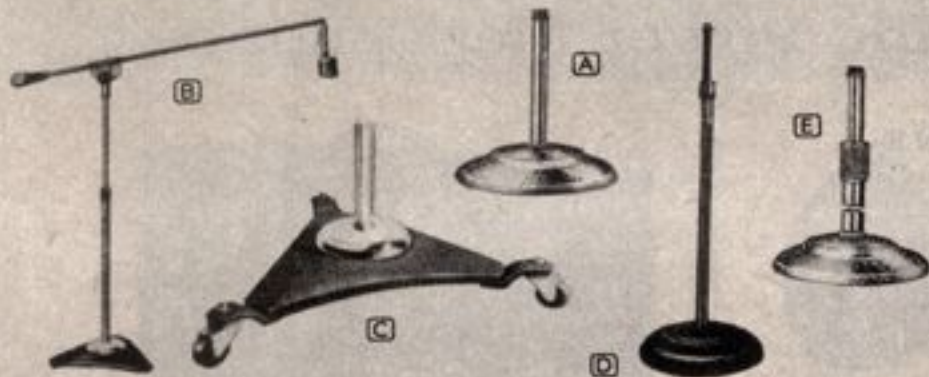
A20C212 E-V 300...Net 5.88

E-V 502 MATCHING TRANSFORMER - For mounting on amplifier chassis or in series with mike line. Designed for 50, 250 and 500 ohms - to Hi-Z. Broadcast fidelity. Response 40-20,000 cps ±1 db for speech or music. MC-4 input connector. List for \$17.50.

A20C121 E-V 502...\$2 Down, Net 10.50

USE RADIO SHACK'S EASY PAYMENT PLAN. Terms up to 24 Months. SEE PAGE 3.

ATLAS Stands—Speakers—Accessories



Atlas Flexible Goose Neck

TYPE GN-13—Will attach to any microphone stand in order to accomplish some amount of overhang. The ends have $\frac{1}{8}$ "-27 male and female threads. Has a bright chrome finish. 13" long.
A20C330 GN-13.....Net 1.62

Bracket Clamp

MODEL BC-1—Has a multitude of useful applications. Can be used with a boom arm, goose neck, etc. The clamp can be removed and the top flange screwed or bolted into position. Has quick-adjusting wing nut. The thread is $\frac{1}{8}$ "-27. 6" chrome tube.
A20C331.....Net 2.06

Atlas Desk Stand

DS-5 fixed height 4". Same finish and quality as Atlas floor stands. 6" base diameter. DS-7 similar to DS-5 except adjustable from 8" to 13". Heavy chrome finished tube assembly with full grip clutch. TS-6 Banquet stand. Adjustable from 14½" to 26". Base diameter 8". Full chrome. Pads included. Decorative. Sturdy. DS-10 "STREAMLINER" modern-functional features "REAR CABLE EXIT." Unnecessary to remove or unsolder cable plugs or connectors. Cable concealed in slot underneath center section of chrome trim. Space available for "on-off" or "press-to-talk switch. Finish opalescent enamel with chrome tube.

| Cat. No. | Model | Lbs. | Net |
|----------|-------|------|------|
| A20C3370 | DS-5 | 2 | 1.76 |
| A20C3369 | DS-7 | 3 | 2.94 |
| A20C3361 | DS-6 | 6 | 5.29 |
| A20C3346 | DS-10 | 1½ | 2.94 |

Type DB-1 "Baby Boom Arm"

Can be easily and quickly attached to any microphone floor stand. It is equipped with a universal swivel joint that can be adjusted and locked in any position. Has a sliding counterweight for balance. Chrome plated tube, 32" long with $\frac{1}{8}$ "-27 thread. All castings finished in Gun Metal Swivel.
A20C3360.....Net 4.41

Cable Hanger

TYPE CH-1—Fits all mike stands which have a lower tube diameter between $\frac{3}{8}$ " and 1½". The mike cable can be quickly coiled and looped over the hanger when moving or storing the stand. Easy, one-screw mounting operation. Has chrome finish.
A20C349.....Net 1.47

Gyromatic Swivel

TYPE SW-1, Universal swivel permits microphone to be adjusted to any angle—up, down, around. Locks in any position by turning locking knob. Can be used on any floor or desk stand. All parts precision die casting finished in Super-Chrome. Length 4½". $\frac{1}{8}$ "-27 male and female threads.
A20C347.....Net 2.65

Professional Boom Stand

TYPE BS-36, Features "Safety Air Lock Cushion" preventing stand from suddenly crashing down. Velvet smooth in operation. 62" boom. Fully adjustable for various microphone weights. Microphone always hangs in proper position by means of Gyromatic swivel joint provided. Base casting equipped with shock mounted chrome plated domes to permit base to glide over floor surfaces with minimum of friction. Vertical extension 48" to 72". Base diameter 17". Super chrome plated tube sections. Chrome and Gun Metal swivel base. Weight 36 lbs.
A20C3359.....\$5 Monthly, Net 37.04

Mobile Boom Stand

TYPE BS-36W, Identical to BS-36 except for Deluxe Base having ball bearing swivel casters of hard rubber. Shipping weight 38 lbs.
A20C3350.....\$5 Monthly, Net 42.92

Atlas Floor Stands

MS-25 features "Safety Air Lock Cushion." Prevents sudden collapse; heavy duty base self leveling, shock absorbing base pads. Oversized tube assembly. Chrome plated, fits any mike with $\frac{1}{8}$ "-27 thread. Base finish chrome and Gray, 17" diameter. MS-10C Gray 10" diameter. MS-11C chrome 10" diameter.

| Cat. No. | Model | Lbs. | Adj. | Net |
|----------|--------|------|--------|-------|
| A20C3326 | MS-10C | 10 | 35-64" | 5.73 |
| A20C3343 | MS-25 | 22 | 37-66" | 15.29 |
| A20C3327 | MS-11C | 13 | 35-65" | 7.64 |

Demountable Floor Stand

TYPE CS-33—Ideal for fixed as well as portable applications. Spring lock leg-holding mechanism has a quick and simple "come-apart" feature. No tools or screw fastenings are required. No small parts to lose. Chrome plated, self-leveling legs, rubber tipped to prevent sliding. Adjustable from 26" to 64". Full-grip, collapsible to only 22½". Wt. 4 lbs.
A20C3328.....Net 7.94



ASTATIC DYNAMIC MIKES

F **VOGUE 988** offers perfection, highest fidelity of sound transmission. Omnidirectional in a plane position. Directional when tilted towards source of sound. Output Z-50, 150, or 250 ohms. Dupont "Mylar" diaphragm gives flexible, stable operation from -80 to +300° F. Instantly convertible from hand to stand to lavalier.
A20C378 Ship. wt. 10 lbs....Net 88.20

G **TEMPO 888**, Serves a multiple of uses with quality performance. Omnidirectional in plane perpendicular to the axis of mike or with the mike in an upright position, and tends to be directional when tilted towards the primary sound source. Output Z 50-200 ohms.
A20C379...\$5 Mo. List \$110, Net 64.68

H **METRO 788**, Omnidirectional or unidirectional depending upon axis of microphone. Output Z 150 ohms or high impedance quickly selected. Features "pop-proof" and "blast-proof" diaphragm of DuPont "Mylar."
A20C380...\$5 Mo. List \$79.50, Net 47.70

"Snap-On Attachment

TYPE SO-1—A quick, simple, safe way to attach any mike to any floor stand. Eliminates the necessity of threading the mike on and off the stand. One section attaches to the mike, one is permanently fastened to the stand. The ball-bearing spring sleeve permits the mike to be removed instantaneously. All parts are chrome plated brass.
A20C332.....Net 1.62

Microphone Foot Switch

TYPE FS-1, Designed primarily for foot operation although can be hand operated on table top, desk, etc. Totally shielded. Grounded for noise free operation. Rubberized pad prevents "skidding."
A20C231.....Net 7.07



ATLAS MIKE ADAPTERS, FITTINGS

| Cat. No. | Model | Description | Net |
|----------|-------|---|-----|
| A20C333 | AD-1 | $\frac{1}{8}$ "-27 F to $\frac{1}{2}$ " pipe thread M (RCA Adapter) | .51 |
| A20C334 | AD-2 | $\frac{1}{8}$ " pipe F to $\frac{1}{2}$ "-27 M | .36 |
| A20C335 | AD-3 | $\frac{1}{8}$ " pipe F to $\frac{1}{8}$ "-27 F | .36 |
| A20C362 | AD-4 | $\frac{1}{2}$ " long, $\frac{1}{8}$ "-27 M | .18 |
| A20C336 | AD-5 | $\frac{1}{8}$ "-27 F to $\frac{1}{8}$ "-27 F* | .36 |
| A20C337 | AD-6 | $\frac{1}{8}$ "-27 F to $\frac{1}{8}$ "-27 F* | .59 |
| A20C338 | AD-7 | 3" long tube $\frac{1}{8}$ "-27 M† | .36 |
| A20C339 | AD-8 | 6" long tube $\frac{1}{8}$ "-27 M† | .42 |
| A20C340 | AD-9 | $\frac{1}{8}$ "-27 F to $\frac{1}{8}$ "-27 F | .36 |
| A20C341 | AD-10 | $\frac{1}{8}$ "-24 F to $\frac{1}{8}$ "-27 F (W.E. Adaptor) | .72 |
| A20C368 | AD-11 | Flange, $\frac{1}{8}$ "-27 F. Base dia. 1½" | .42 |
| A20C363 | AD-12 | Flange, $\frac{1}{8}$ "-27 M Base holes on $\frac{1}{8}$ " mtg. ctrs. | .42 |
| A20C352 | AD-13 | $\frac{1}{8}$ "-27M to $\frac{1}{8}$ " F | .51 |
| A20C353 | AD-14 | Right angle tube $\frac{1}{8}$ "-27M-F .90 | |

*Running thread. †Coupling. ‡Each end.
CODE: F—FEMALE; M—MALE.



Budget-Priced PA Systems and Power Megaphones

LIGHTWEIGHT POWER MEGAPHONE

- Salesmen, Coaches, Teachers
- Scout masters, Barkers
- Construction foremen



\$29⁵⁰

\$5 Monthly

• Comes apart to fit 6x8 1/2 x 12" case

Now a power megaphone which can be used anywhere. Self-powered, one-hand operated, easy to carry. This handy unit assembles in a jiffy. Has variable power control built into the on-off trigger. Ideal for camps, athletic events, boats, hunting, and home. Sturdy construction means carefree operation. Gray enamel finish, 13 1/2" long, horn opening 8 1/4" diameter. Operates on 6 type C flashlight batteries. Ship. wt. 9 lbs.

A90LB00 Net 29.50
 A23F004 Burgess #1C battery each .13



\$29⁹⁵

Portable PA System

Compact, handy, versatile. Carry this instrument with you—set it up anywhere. Single unit is ideal for speeches, instruments, home music, orchestras, or even converting to full stereo playback! Realistic "Carnival" amplifier drives a big 8" speaker for rich hi-fi sound. Separate mike and phono-tuner inputs for program mixing. Full 5 watts power, enough for most every application. In handsome rugged case—10"x17 1/4"x6 1/2". Ship. wt. 8 lbs.

A90LX886 \$5 Monthly, Net 29.95
 A91L147 Archer crystal mike for above Net 3.85
 A20CX326 Floor Stand for mike Net 5.73

Sound Powered Intercom System

\$54⁷⁸ \$5 MONTHLY



A simple, dependable, intercom system which requires no external power supply! Voice generates current required for transmission. Signal bell is also self-powered. To operate system simply depress call signal lever, pick up the receiver and talk! Unaffected by static, improper switching, or other electrical noises typical of many systems. Shipping weight—two instruments, 7 lbs.

A43CX025 Pair Phone, \$5 Mo., Net 54.78
 WHEELER SOUND POWERED PHONE. Hand-set, self-powered as above. Complete with clip-on leads 3 1/2' long. Ship. wt. 2 lbs.
 A20CX581 SPT-102 Net 9.63
 A43CX031 SPT-123 for high noise area 10.78



Mobilpage "600" Portable PA-Lectern

\$79⁵⁰

\$5 MONTHLY

You will find dozens of uses for this amazing, completely self-contained, self-powered, portable PA system. The case becomes a handy lectern when the PA is in use. Weighs less than 8 lbs., yet delivers crystal clear sound to audiences of hundreds. Unique "Power Miser" transistor amplifier uses low cost standard flashlight batteries. Mike with long cordage and chest rest gives speaker complete freedom. Case has handy compartment for mike, notes and display materials. Shipping weight 10 lbs.

A90LX805 \$5 Monthly, Net 79.50

(A) UNIVERSITY POWRPAGE PORTABLE PA. Powerful fully transistorized 25 watt system has input jack for record player, tuner, or tape recorder. Talk/over feature reduces music program by 6 db when mike button is pressed, allowing voice to be heard over music. Talk/listen switch converts Powrpage into a highly directional sensitive listening device. Specially designed for low distortion and high stability under all operating conditions. Ruggedly constructed dynamic mike has controlled response curve for maximum speech intelligibility. Frequency response: 400-5000 cps ± 3 db at 25 watt level. Power supply, 24 volts, supplied by 4 lantern type batteries. Shipping weight 11 lb. less batteries.

A31CX198 PP-1T \$9.50 Monthly, Net 166.55
 Similar to PP-1T but non-transistorized. Ship. wt. 8 lbs.
 A31CX190 PP-1 \$5 Monthly, Net 55.86

(B) PISTOLGRIP POWRPAGE. Complete PA system in the handy Pistolgrip style. Unique 3-transistor, temperature stabilized circuit delivers 5 watts of power (10 watts peak) under all indoor and outdoor conditions. The mike has a controlled response curve designed to afford maximum intelligibility of speech. Gain is adjustable by external volume control. Acoustic feedback suppression system permits the unit to be used in close quarters without ringing or howling. Low standby current gives long battery life. Powered by 6 penlight cells or 10 RM601R Mercury cells. Acoustic gain 30 db. Frequency response 400-5000 cps ± 3 db. Ship. wt. 5 lb.

A31CX199 PP-2T \$5 Monthly, Net 97.95
 Similar to above but non-transistorized. Ship. wt. 5 lbs.
 A31CX191 PP-2 \$5 Monthly, Net 44.10

(C) BOGEN MIKE MIXER—PREAMPLIFIER. 6 inputs, 4 channels. Mike gain 59 db, phono 30 db. Hum -70 db. Response: ± 2 db 50-15,000 cps. Ship. wt. 6 lbs.

A33C209 Bogen MX6 \$5 Monthly, Net 36.00



University \$44¹⁰ \$5 Monthly

\$55⁸⁶



Bogen

\$36⁰⁰

\$5 Monthly



PM Replacement Speakers All Individually Boxed

SAVE AT THESE BARGAIN PRICES
OFFERED ONLY AT RADIO SHACK



REALISTIC 8" EXTENDED RANGE VOICE COIL
—6.8 oz. Magnet, 1" diameter, 80 ohms impedance, 50-16,000 cps, 15 watt audio peak rating. Wt. 3 lbs. A31CX179....Net 5.95

REALISTIC 12" FULL RANGE WHIZZER CONE
—6.8 oz. magnet, 8 ohm impedance, 50-16,000 cps, 15 watt audio peak rating. Shipping wt. 6 lbs. A90LX041....Net 7.47

| Cat. No. | Size | Magn. Wt. | Voice Coil Imp. | Watts | Ship. Wt. | List | Net |
|----------|------------|-----------|-----------------|-------|-----------|-------|------|
| A31C278* | 2 1/4" Rd. | .68 | 12-16 | 2 | 1/4 | 3.95 | 2.32 |
| A31C279 | 4" Sq. | .68 | 3-4 | 4 | 1 1/2 | 3.35 | 1.80 |
| A31C280 | 4" Sq. | 1.47 | 3-4 | 5 | 1 1/2 | 4.45 | 2.40 |
| A31C281 | 5" P.C. | .68 | 3-4 | 4 | 1 1/4 | 3.80 | 2.21 |
| A31C282 | 5" P.C. | 1.47 | 3-4 | 5 | 1 1/4 | 4.60 | 2.48 |
| A31C283 | 6" Rd. | .75 | 3-4 | 4 | 2 | 4.75 | 2.56 |
| A31C284 | 6" P.C. | 1.47 | 3-4 | 6 | 2 | 5.40 | 2.92 |
| A31C285 | 8" P.C. | 1.47 | 3-4 | 6 | 2 1/2 | 6.95 | 3.75 |
| A31C287 | 8" Rd. | 3.16 | 3-4 | 10 | 2 1/2 | 8.50 | 4.59 |
| A31C288 | 12" Rd. | 6.8 | 8 | 14 | 4 | 14.90 | 8.05 |
| A31C289 | 4x6" Oval | .75 | 3-4 | 4 | 2 | 4.50 | 2.43 |
| A31C292 | 6x9" Oval | 1.47 | 3-4 | 6 | 2 1/2 | 7.40 | 3.99 |

*Transistor replacement speaker.
Rd.—Round Sq.—Square P.C.—Pin Cushion

REALISTIC 6" x 9" Coaxial Speaker

\$5.95



- Amazingly Low Cost!
- High Quality!

Coaxial speaker that gives more power per pound. Another of Radio Shack's amazing values. Lists at \$9.95, \$4 above our low, low price. This 6"x9" speaker has a 1 ounce magnet and voice coil impedance is 3-4 ohms. Ideal for high quality, budget-priced systems. A31C293 Ship. wt. 3 lbs.Net 5.95

REALISTIC 12" Speaker

\$3.99



- Full Range!
- Lowest Cost!

A 12" round, full range speaker offered by the Radio Shack for almost \$3 less than the manufacturers list. Has 1.47 oz. magnet, 6-8 ohm voice coil. A31C294 Ship. wt. 3 1/2 lbs.Net 3.99

Popular Jensen "Concert Series" Speakers

| Cat. No. | Type | Size | Magn. Wt. | Watts | Ship. Wt. | List | Net |
|----------|-------|-----------|-----------|-------|-----------|-------|------|
| A31C152 | F4-W | 4" Sq. | 1.00 oz. | 4.5 | 1 1/2 | 4.25 | 2.50 |
| A31C153 | P-5W | 5" Sq. | 1.00 oz. | 5 | 1 1/4 | 4.45 | 2.62 |
| A31C154 | P-6T | 6" Sq. | 3.16 oz. | 2.5 | 2 | 7.80 | 4.59 |
| A31C155 | P-8T | 8" Sq. | 2.5 oz. | 10 | 2 1/4 | 8.40 | 4.94 |
| A31C156 | P-12T | 12" Rd. | 2.5 oz. | 12 | 5 | 11.50 | 6.76 |
| A31C157 | P-69W | 6x9" Oval | 1.00 oz. | 7 | 2 1/2 | 6.40 | 3.76 |
| A31C158 | P-57W | 5x7" Oval | 1.00 oz. | 5.5 | 2 1/4 | 5.40 | 3.18 |

Realistic Dual Diameter Speakers and Baffles



| Cat. No. | Type | Description | Ship. Wt. | Net |
|----------|--------|-----------------------------|-----------|------|
| A31C832 | RCM-8 | 8" Corner Baffle, Mahogany | 3 lb. | 7.15 |
| A31C833 | RCB-8 | 8" Corner Baffle, Blond | 3 lb. | 7.15 |
| A31C872 | RCW-8 | 8" Corner Baffle, Walnut | 3 lb. | 7.15 |
| A31C834 | RCM-12 | 12" Corner Baffle, Mahogany | 4 lb. | 9.15 |
| A31C835 | RCB-12 | 12" Corner Baffle, Blond | 4 lb. | 9.15 |
| A31C873 | RCW-12 | 12" Corner Baffle, Walnut | 4 lb. | 9.15 |
| A31C826 | R5M-8 | 8" Wall Baffle, Mahogany | 3 lb. | 3.95 |
| A31C829 | R5B-8 | 8" Wall Baffle, Blond | 3 lb. | 3.95 |
| A31C874 | R5W-8 | 8" Wall Baffle, Walnut | 3 lb. | 3.95 |
| A31C828 | R5M-12 | 12" Wall Baffle, Mahogany | 4 lb. | 5.95 |
| A31C831 | R5B-12 | 12" Wall Baffle, Blond | 4 lb. | 5.95 |
| A31C875 | R5W-12 | 12" Wall Baffle, Walnut | 4 lb. | 5.95 |

LOWELL SPEAKER MOUNTING ACCESSORIES

| | | | | |
|---------|--------|-----------------------------------|-------|------|
| A33C701 | R5B-A | 8" Wall Baffle (Trim type) | 3 lb. | 3.26 |
| A33C702 | R512-A | 12" Wall Baffle (Trim type) | 4 lb. | 4.47 |
| A33C703 | PR-8 | 8" Plaster Ring for Ceiling Inst. | 2 lb. | 1.70 |
| A33C704 | PR-12 | 12" Plaster Ring for Ceiling | 3 lb. | 2.21 |
| A33C705 | M-8 | 8" Acoustic Tile Block Baffle | 3 lb. | 4.07 |

UTAH DUAL DIAMETER SPEAKERS IN BAFFLE W/VOLUME CONTROL

| | | | | |
|----------|---------|-----------------|-------|-------|
| A31CX926 | B-591-M | Mahogany Baffle | 6 lb. | 13.95 |
| A31CX927 | B-591-B | Blond Baffle | 6 lb. | 13.95 |

Utah Auto Speakers



Utah auto rear deck systems open up exciting new concepts of "living room" quality stereophonic type sounds for your auto. The secret is the smooth edge-operating dash board fader control linking Utah's speakers into thrilling hi-dimensional performance. These kits include all the necessary equipment for installation, including speaker, speaker grill, and rear deck control. Experience unique sound reproduction with one of these kits in your auto.

R-57DC 5x7" COAXIAL SPEAKER KIT—Has 1.47 oz. magnet, 6.4 ohm output, 5 watts audio. Shipping wt. 1 1/4 lbs. A31C295 List Price \$9.75.Net 5.49

R-69DC 6x9" COAXIAL SPEAKER KIT—Has 1.47 oz. magnet, 6.4 ohm output, 6 watts audio. Shipping wt. 1 1/2 lbs. A31C296 List Price \$10.25.Net 5.98

Bogen

Public Address Amplifiers



\$69⁰⁰

\$5 MONTHLY

33-WATT AMPLIFIER

Features wide-range response, two microphone inputs, individual controls for each microphone, and for treble, bass and phono. Separate boost/cut bass and treble tone controls; 33 watts. Response: ± 2 db, 30-15,000 cps. Inputs: two microphone, one phono. Gain: Microphone, 120 db; Phono, 82 db. Impedances: 4, 8, 16 and 148 ohms; 70-volt line, 117 volts, 60 cps. 14 $\frac{1}{2}$ " wide, 8 $\frac{1}{2}$ " deep, 6 $\frac{1}{2}$ " high. Ship. Wt. 27 lbs. With tubes and cage. List \$115.00

A33CX212Y Bogen CHA33.....\$5 Monthly, Net 69.00

WITH BUILT-IN 3-SPEED PHONO TOP Ronette turn-over cartridge, tubes and cage. 14 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ " x 10 $\frac{1}{4}$ " Ship. wt. 30 lbs. List \$146.50.

A33CX211Y Bogen CHA33Y.....\$5 Monthly, Net 87.90

25 WATT MOBILE AMPLIFIER

\$72⁰⁰

Bogen BT-25 fully transistorized, mobile public address amplifier, 25 watts (45 watts peak) when operating from a 12 volt battery; 6 watts from 6 volt battery. Hum-free. Two source. Inputs: low imp. mike, high imp. program source. Response: 400 cps to 6 kc. Gain 103 db. Distortion less than 10% at full output. Ship. wt. 5 lbs. 3 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ "

A33CX555 BT-25.....\$5 Monthly, Net 72.00

ELECTRO-VOICE DYNAMIC MOBILE MIKE Hand-held. Output -55 db. 50, 250 or Hi-Z. 5' cable. Ship. wt. 1 lb.

A20C115 E-Y 600D \$5 Monthly, Net 27.93



Bogen Portable PA Systems



\$138¹⁵



\$54⁶⁰
\$5 MONTHLY

\$105⁰⁰
\$5 MONTHLY

20 WATT AMPLIFIER

Individual controls for mike, treble, bass and phono. Inputs: 1 mike, 1 phono. Gain: mike 120 db, phono 76 db. Impedances: 4, 8, 16, 245 ohms. Response: 50 to 15,000 cps ± 2 db. 70 volt line, 117 volts AC. Shipping weight 20 lbs. with tubes and cage. Size 14 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ "

A33CX206 Bogen CHA20.....\$5 Monthly, Net 54.60

With 3-speed phono top, 25 lbs. 14 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ " x 10 $\frac{1}{4}$ "

A33CX169 Bogen CHA20Y.....\$5 Monthly, Net 73.50

75 WATT AMPLIFIER

Individual treble, bass, phono, mike controls. Inputs: 2 mike, 1 phono. Gain: mike 120 db, phono 85 db. Impedances: 4, 8, 16, 65 ohms. Response: ± 2 db 20 to 20,000 cps. 75-volt line, balanced 25 volt line, 117 v. 60 cps. Shipping weight 43 lbs. Size: 17 $\frac{1}{2}$ " x 12" x 6 $\frac{1}{2}$ "

A33CX220 Bogen CHA75.....\$5 Monthly, Net 105.00

20 WATT MOBILE AMPLIFIER \$105⁰⁰

Operates on 117 volts AC or 12 or 6 volts DC. Built-in inverter for 117 volt 60 cps phono supply on battery operation. Response: 30 to 15,000 cps ± 2 db. Inputs: 1 mike, 1 phono. Gain: mike 120 db, phono 76 db. Imped. 4, 8, 16, 245 ohms. 15 $\frac{1}{2}$ " x 10" x 10 $\frac{1}{2}$ ". Wt. 30 lbs. with tubes, cage, AC and DC cables.

A33CX245 CHA620.....\$5 Monthly, Net 105.00

As above with 3-speed phono top.

A33CX244 CHA650Y.....\$6 Monthly, Net 120.00

10 WATT AMPLIFIER \$36⁹⁰

Wide range response; individual controls for mike and phono tone. Advanced negative feedback circuit. 10 watts. Response: 50 to 15,000 cps ± 2 db. Inputs: 1 mike, 1 phono. Gain: mike 120 db, phono 76 db. Impedances: 4, 8, 16 ohms, 117 volts, 60 cps. 11" x 7 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " high; with cage 6 $\frac{1}{2}$ " high. Shipping weight 10 lbs., or 12 $\frac{1}{2}$ lbs. with cage.

A33CX201 CHA10.....\$5 Monthly, Net 36.90

A33CX173 CAG10 Cage.....Net 3.90



The most versatile transcription players available. Ideal for schools, square dances, calisthenics, and a wide range of other applications. Speed completely variable from 29 to 86 rpm with instant selection of the four standard speeds. Player has heavy duty 4-pole motor, "Feather-drop" action to set tone arm down on record for maximum record and stylus life. Plays up to 16" discs. Amplifier has compensated preamp section, inputs for 2 mikes and radio tuner, mike and scratch filters, treble and bass controls, outputs for tape and monitor, and convenience outlet. VP20 is complete in single case with 12" speaker and 25' cable in cover. 20 watts peak power output. VP40 player and electronics housed in portable case: two 12" speakers with two 25' cables in matching portable case.

A33CX213 VP20, Ship. wt. 40 lbs.....\$7 Monthly, Net 138.15

A33CX214 VP40, Ship. wt. 50 lbs.....\$9.50 Monthly, Net 202.15

REK-O-KUT RHYTHMASTER Portable PA System

Three fine instruments in one—a professional type high fidelity phono, a high fidelity PA system (has mixing input for mike), and a high fidelity radio (when used with AM-FM tuner). Famous Rek-O-Kut variable speed turntable plays 33 $\frac{1}{3}$, 45, 78, or any other speed from 25 to 100 rpm. Operates equally well on either 50 or 60 cycle power without dismantling. Amplifier rated conservatively 20 watts, response ± 2 db 20-20,000 cps, mike gain 99 db, phono gain 94 db, tuner gain 59 db, harmonic distortion 3% @ 1 kc. Output impedances 4, 8, & 16 ohms. Two 10" PM speakers. Rek-O-Kut Precision arm with GE magnetic cartridge. Amplifier-turntable case 22 $\frac{1}{2}$ " x 16 $\frac{1}{2}$ " x 9 $\frac{1}{2}$ ". Speaker case 23" x 16 $\frac{1}{2}$ " x 12". Ship. wt. 65 lbs.

A33CX215 Rhythmaster.....\$16 Monthly, Net 349.95



\$349⁹⁵

OUTDOOR MULTI-PURPOSE FULL RANGE WEATHER PROOF COAXIAL SPEAKERS

University

- High Quality Music Reproduction
- Extended Bass and Treble Response
- Heavy Duty Low Frequency Driver
- Built-in Crossover Network

\$33⁸¹
\$5 MONTHLY

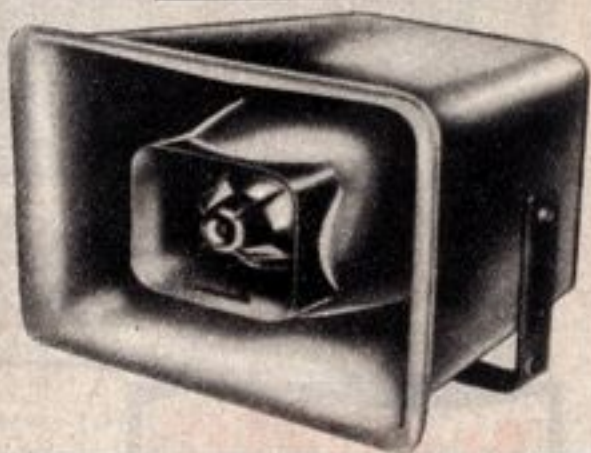
Designed for outdoor or auditorium use where high quality music reproduction is essential. Ideal for high humidity areas, brings hi-fi to your swimming pool, patio or recreation area at home. Use it in camps, amphitheaters, etc. Delivers full range voice and music reproduction. Extended bass and treble response. Dual horn projector is a special woofer projection cone built into an infinite rear baffle chamber. Provides a clean, highly efficient response. Tropicalized low frequency driver, coaxially mounted. Separate high frequency driver; all housed and wired in a compact projector. Both units are 8 ohms impedance.

MODEL MLC-15 watt capacity. The mighty midget speaker, ideal for use in the home and in other areas of fairly limited range. Frequency Response: 150 to 15,000 cycles per second. 120° dispersion. Shipping weight 10 lbs. 12½"W x 9"H x 10"D.

A31CX306 MLC.....Only \$5 Monthly, Net **33.81**

MODEL BLC-25 watt capacity. Ideal for rinks, auditoriums, stadiums, outdoor theaters, etc. Easy installation. Completely waterproof. Frequency response: 70 to 15,000 cps, 2000 cycle cross response, 120° dispersion. 22½" diameter x 9" deep. Ship. wt. 21 lbs.

A31CX300 BLC.....Only \$5 Monthly, Net **52.53**



NEW! FULLY GUARANTEED UNDERWATER SPEAKERS



Only
\$5 Monthly
\$43²⁵

- Completely Waterproof for Use in Swimming Pools
- Perfect for Synchronized Swimming—Water Ballet

MODEL MM-2UW—Absolutely waterproof for use in swimming pools. Can be submerged for long periods of time with no damage. Gives excellent speech and music reproduction. Ideal for underwater swimming instruction, water ballet, etc. Stainless steel cover protects mylar diaphragm. Silicone treated gaskets used for reliable waterproofing. Heavy 18' cable with third wire for grounding. One year guarantee. MM-2FUW flange mount, MM-2UW pipe mount. Ship. wt. 5¼ lbs.

A31CX217 MM-2FUW.....\$5 Monthly, Net **43.35**

A31CX218 MM-2UW.....\$5 Monthly, Net **43.35**

Electro-Voice MUSICASTERS

- Can be Mounted Anywhere or Used as Portable Speaker
- High Power—Completely Weatherproof



\$48⁵⁰
\$5 MONTHLY

(A) ELECTRO-VOICE MUSICASTER—A complete wide dispersion high-fidelity speaker system for realistic music and P.A. reproduction. Has a die-cast aluminum, back-loaded folded horn as an integral part of its structure. Extends bass response to 60 cps. Excellent for use in the home; warm-weather hi-fi in the patio or garden. Die-cast feet allow placement on any flat surface while being used as a portable speaker. High frequencies are directly radiated for extended range, excellent dispersion. Frequency response; 60-16,000 cps, impedance 8 ohms, dispersion 120°, sound pressure level 121 decibels. Dimensions: 21½"W x 21½"H x 8½"D. Shipping weight 25 lbs.

A31CX354 Musicaster.....Only \$5 Monthly, Net **52.92**

MUSICASTER II—Same as above plus a VHF tweeter to boost the frequency response—18,000 cps. Includes crossover. Ideal for square dances, school auditoriums, clubs. For clear reproduction of music and voice. Ship. wt. 36 lbs.

A31CX039 Musicaster II.....\$5 Monthly, Net **73.50**

PAGING and DIFFRACTION PROJECTORS



(B) DELUXE COMPOUND DIFFRACTION SPEAKER—Provides peak-free response 200-10,000 cps. Delivers 2½ octaves more musical range than the usual P.A. units of even larger size. Polar distribution pattern exceeds 120°. Uses 2 coaxially mounted horns working from opposite sides of a single diaphragm. Lower response augmented by 100 cps horn taper, to insure at least one-half octave more bass than even larger horns. 16 ohms impedance, mounts either horizontally or vertically. Mouth dimensions: 10½"W x 20½"H x 20"D.

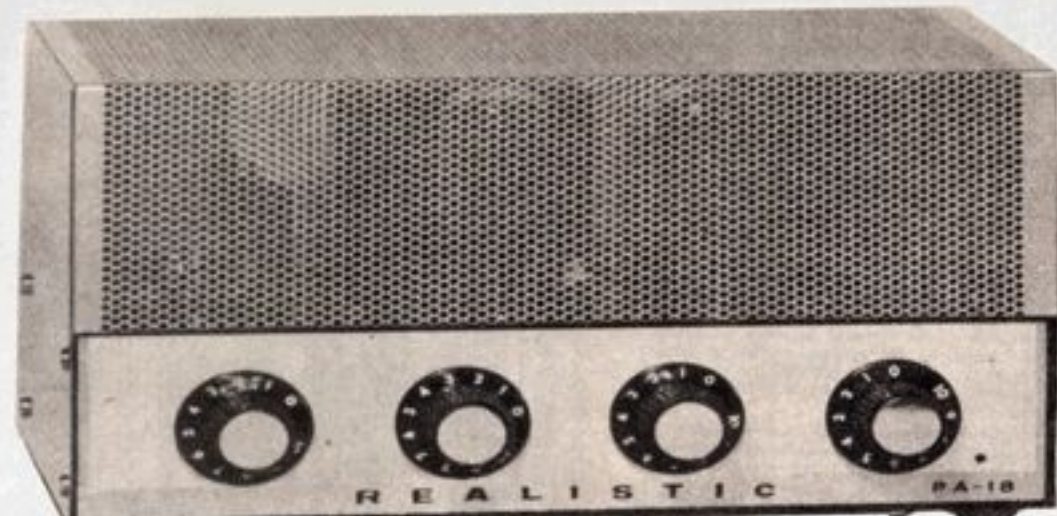
A31CX538 Ship. wt. 17 lbs.....\$5 Monthly, Net **48.50**

(C) COMPACT COMPOUND DIFFRACTION PROJECTOR-12 watt CDP—A compact extremely efficient wide range paging unit. Has low distortion, high articulation for lower volume levels with high intelligibility. Has two coaxially mounted diffraction horns for 135° dispersion at all frequencies from 300-10,000 cps. RETMA sensitivity 51 db. Power 12 watts, 16 ohms impedance. Weatherproof, splash-proof and blast proof. 11¼" wide, 7¼" high, 10" deep.

A31CX741 Ship. wt. 7 lbs.....\$5 Monthly, Net **29.98**

(D) EV 844 GENERAL PURPOSE PAGING SPEAKER—A compact, general purpose speaker system designed for high intelligibility, long economical use. Power handling capacity 30 watts. Die-cast re-entrant horn, detachable driver, universal mounting bracket. Ideal for mounting on police and fire vehicles, etc. Tropicalized and weatherproofed. Frequency response 250-15,000 cps. Nominal impedance 8 ohms, dispersion 90°, EIA sensitivity rating 51 db. Sound pressure level 120 db. Dimensions: 9¾" diameter x 8¾" deep. Ship. wt. 7½ lbs.

A31CX355.....Only \$5 Monthly, Net **21.46**



REALISTIC

COMPARE at \$55

\$29⁹⁵

Only \$5 Monthly

PUBLIC ADDRESS LINE
Realistic 18 Watt PA Amplifier

- 6 Controls! Bass! Treble! Power! Volume! Mike! Phono! Input for Mike, Phono, Tuner!
- 36 Watt Peak! Output for 4, 8, 16 ohm speaker!

The Realistic PA-18 is destined to be a leader in the low priced field. Gives you more for your money! More controls, more watts, more inputs! An amplifier that will delight even the most critical. Designed for top performance for every occasion, will cover up to 60,000 square feet of space. Perfect for resorts, nightclubs, auditoriums, churches, ball parks, institutions, arenas—even carnivals. Ideal for background music, home use, and use in schools and clubs. Precision built, soundly-crafted at a low price you can't match anywhere. You can always depend on Radio Shack to give you the greatest value, and Realistic to

give you the highest quality craftsmanship. One look at the specifications of the PA-18 will convince you that it is a truly great value.

SPECIFICATIONS: Power Requirements: 117 volts AC, 50 or 60 cycles at 80 watts. 18 watt power output (36 Watt Peak). Frequency Response: ± 2 decibels from 50 to 15,000 cps, 66 decibel hum level below 18 watts (mike), 72 (phono). Distortion 5% at 18 watts, 1% at 10 watts. Has 4, 8, and 16 ohm output. Input 1 meg (mike), .5 meg (phono). Sensitivity (1000 cps) .6 volts (tuner), .010 volts (mike). Bass control at 50 cps ± 12 decibels, treble at 12,000 cps ± 12 decibels. Controls: bass, treble, power, volume, mike and phono. Inputs for mike, phono, and tuner. The case is included free. Size: 6" high x 10 1/4" wide x 7 1/4" deep, including knobs. Compare at \$55, save almost one half. Only \$2 down and \$5 monthly. Ship. wt. 12 lbs.

A90LX831.....Net 29.95



- Ultra-Compact
- Full 5 Watt Output
- Complete AC Circuitry

Compare at \$35.95

\$14⁹⁵

Compact "Carnival" PA Amplifier
Designed Along Hi-Fi Principles

The first and only PA amplifier designed along hi-fi principles, yet selling for under \$20. At this low price you get traditional Realistic quality, and the "Carnival" is loaded with expensive features. This ultra-compact unit has full 5-watt output, full AC circuitry and handsome design. The gold, white and maroon finish harmonizes with all Realistic products. Only at Radio Shack can you find such a value!

SPECIFICATIONS: A separate mixer for the mike and the phono or tuner inputs. Tone control range is 16 decibels at 10,000 cps. Has 4 and 8 ohm outputs. The ultra-compact size; only 7 1/4" x 5" x 5 1/2", makes for extremely easy portability. Gives you everything you need at a low, low price you can afford. Realistic has provided the highest quality craftsmanship and the highest quality components in this superb unit. Only \$2 down, \$5 monthly. Shipping weight 7 lbs.

A90LX891.....Net 14.95

Realistic Stereo 30 Watt Amplifier

First of its kind! Converts from monaural to stereophonic. Here is proof positive of Realistic's superiority in the PA field. The PA30-60 is stereo ready; has 6 controls for flexibility; AC for less hum; 6 tube operation. Other outstanding features include: headphone or VU meter from panel; converts from stereo to mono quickly and easily; quick connect sockets and plugs; illuminated front panel. Guaranteed at 30 watts to a 60 watt peak. Has inputs for 2 mikes and phono. Adapts easily from 6 to 12 volt operation. Ideal for clubs, schools, churches, businesses, etc. Another example of superior quality Realistic equipment available at the lowest possible cost. Typical of the great bargains offered at the Radio Shack.

SPECIFICATIONS: 4, 8, 16 ohm output, 70V operation. Response; 40-15,000 cps, ± 2 db. Max. distortion, 5%. Sensitivity: 0.01 V (mike), 0.25 (phono). 6 controls; on-off, bass, treble, phono, 2 mikes. Ship. wt. 17 1/2 lbs.

A90XL892.....\$5 Monthly, Net 44.95

Compare at \$57.95

\$44⁹⁵

Only \$5 Monthly

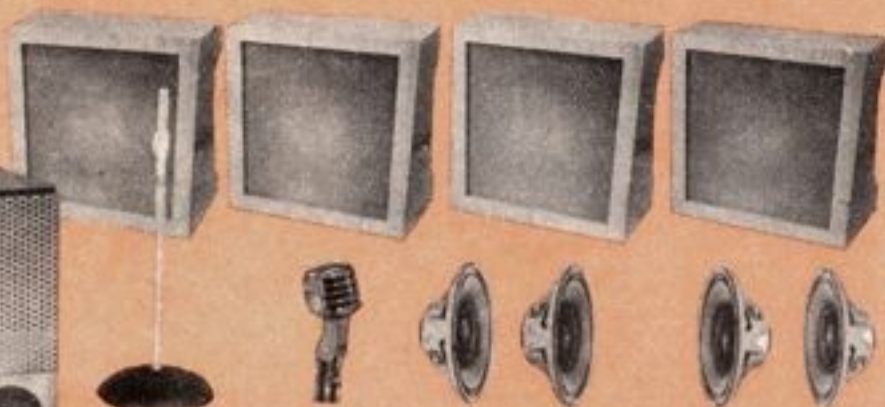


• Adapts 6-12V

- Six Controls—Bass, Treble 2 Mikes, Phono, On-Off Switch!

POWERFUL INDOOR PAGING AND MUSIC SYSTEM

Purchase Any Item on this page on Radio Shack's Easy Budget Plan See Page 3 for Details!



For LARGE Auditoriums, Offices, Department Stores

- 1—REALISTIC PA-30-60 Amplifier
- 4—Electro-Voice LS-12 Speakers
- 4—REALISTIC 12" Wall Baffles
- 1—Electro-Voice 911 Mike with ON-OFF Switch
- 1—Atlas MS-10C 64" Adj. Floor Stand

Compare at \$201.65

\$154⁹⁵

Only \$7.50 Monthly

Here's a superior system that adapts itself to any job—big or small! Use it for announcements, sound effects, musical background, paging in schools, theatres, club halls, camps, etc. Comes with amplifier case, 50' of speaker wire. Ship. wt. 66 lbs.

A305X038 \$7.50 Monthly, Net 154.95

BIG SAVINGS . . . EXTRA FEATURES . . . FINEST COMPONENTS



Long Range Amplifying P.A. System

- 1 Realistic PA-30-60 Amplifier
- 2 Electro-Voice 848 CDP Horn
- 1 Electro-Voice 911 Mike
- 1 Electro-Voice MS-11C Floor Stand

\$159⁹⁵

Only \$7.50 Monthly

Compare at \$197.72

Gives you top coverage for outdoor events! Sounds off load and clear at large field operations, camp sites, sports events and high noise level industrial factories. Remarkably efficient system breaks down all barriers of interference. Mike has On-Off switch. With amplifier case, 25 feet of wire. Heavy duty 65" adjustable floor stand.

A305X037 Ship. wt. 55 lbs. \$7.50 Monthly, Net 159.95

Outdoor Low Cost System



- 1 REALISTIC PA-18 Amplifier
- 2 University MIL-A Paging Speakers
- 1 Archer Dual-Impedance Hi-Fi Mike
- 1 Atlas MS-10C 64" Adjustable Stand

Compare at \$157.65 **\$72⁵⁰**

Power unlimited—the new leader in the low price field P.A. systems. Defeats high noise and crowd sounds with ease. Wonderful for Little League ball games, specialty shops and small department stores and factory systems. Includes cover for amplifier and 25' of speaker wire.

A305X036 Ship. wt. 24 lbs. \$5 Monthly, Net 72.50

Indoor Paging System



- 1 REALISTIC Carnival Amplifier
- 2 REALISTIC Full Range 8" Speakers
- 2 REALISTIC Wall Baffles (specify Walnut, Mahogany, Blond)
- 1 Archer All-Purpose Crystal Mike
- 1 Atlas Desk Stand

Compare at \$80.00 **\$39⁴⁵**

Ultra-efficient indoor Carnival paging system for club rooms, small offices, church, home and garage installations. Full range 8" loudspeakers assured undistorted sound in playing music. Inputs for mike, tuner and phono. Complete—ready to assemble. Amp. case, 25 ft. of speaker wire.

A305X035 Ship. wt. 17 lbs. \$5 Monthly, Net 39.45

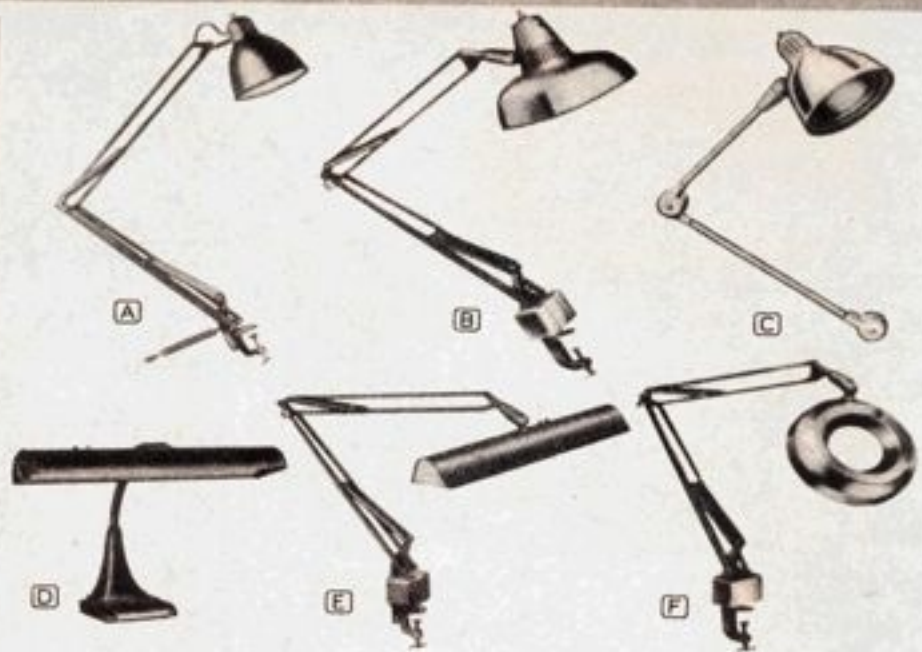
FLEXP and LUXO ADJUSTABLE LAMPS



LIST
\$17.50
\$12⁸⁶

FLEXP 4300 All Purpose Lamp

Ideal for any work situation which requires a large area of concentrated light. Head tilts vertically 180°, turns 300° on its axis. Double arm extends 36" up or in any direction. Spring controlled swivel joints, push-button on/off. Bronze finish. Requires T8 15W lamp. For 105-125V 60 cy. AC U/L Approved. Less lamp. Ship. wt. 10 lbs.
A00JX079 \$2 Down,..... Net 12.86
A00JX070 4303. Above, 2 lights. Net 15.40



A LUXO ADJUSTABLE LAMP MODEL. Precision twin arm balance, 45° extension, 360° sweep. Fingertip control, pinpoint focus. Clamp on bracket. Grey. Ship. wt. 5 lbs.
A00JX074 L-1/A. List 23.50... Net 17.62

B LUXO COMBO 3-WAY LAMP. Incandescent and fluorescent light in 1 head. Use lamps individually or in combination. Adjusts to any position with a finger-flick and stays put. 2 extension arms, 45" reach, 360° sweep. Grey. Without bulbs, tubes. Wt. 8 lbs.
A00JX063 LC-1/A. List 29.50... Net 22.12

C FLEXP INCANDESCENT LAMP. Spring-controlled swivels for adjustment to any angle or position. 42" extension, 5½"x7" air-cooled shade with switch. Grey. Ship. wt. 3½ lbs.
A00JX071 Flexo 5600. List 11.95. Net 8.77

D FLEXP FLUORESCENT LAMP with adjustable arm that permits shade adjustment to any height 8" to 14". Sturdy metal base, steel shade. Washable reflectors. On/off automatic switch. Grey. Ship. wt. 10 lbs.
A00JX072 Flexo 4444. List 14.95. Net 10.95
A00J082 T-8 Fluorescent Tube,..... Net .85
A00J081 T-9 Circulone Fluor. Tube. Net 3.25

E LUXO FLUORESCENT LAMP with 2 extension arms. Lightest feather touch moves lamp instantly to any desired position. Ideal for office, drafting rooms. 45" total length, 360° sweep. Grey. Ship. wt. 9 lbs.
A00JX066 FL-1/A. List 29.50... Net 22.12

F LUXO ILLUMINATED MAGNIFIER. Fine optical glass lens, 3 Diopter power, standard 22 W fluorescent tube. Brilliant illumination makes it ideal for assembly, servicing, inspection. 45" twin-arm extension. Ship. wt. 8 lbs.
A00JX062 LFM-1/A. List 44.50... Net 33.37

HANDY BIN CABINETS



G UNION 13½" UTILITY CHEST. Low priced, excellent quality double tray utility chest with genuine seamless weatherite construction. Exclusive push-button, self-latching, spill-proof drawbolt with built-in provision for padlock. Returned edges for safety and extra rigidity. 12" rule embossed in cover. Double cantilever trays: 5 compartments upper, plain lower tray. Spruce green baked enamel finish, 13½"x6½"x6¼".
A37H230 5413. Ship. wt. 4 lbs. Net 2.49

H NEW UNION STEEPLE-TOP MECHANICS TOOL CHEST—Long time favorite, updated with new practical features. Electrically welded lap seams, extra heavy case and cover ends, one piece weather-tight cover. Heavy duty hardware with nickel plated drawbolt, built-in hasp for padlock, plated full-grip handle with weatherproof mounting. Full length continuous stop hinge holds cover upright. All fittings machine riveted. Tray is mounted high in box for maximum capacity in bottom section. Durable spruce green baked enamel finish, 19" long, 6" wide, 7½" high.
A37H231 3119. Ship. wt. 6 lbs. Net 3.88

J ALL-STEEL 4-DRAWER SECTIONAL UTILITY CABINET. 101 uses in home, office or industry. Heavy-gauge steel with electrically welded joints, 1-piece drawer supports, 11½" long, 10" wide, 10" high, it has 12 compartments in each of 3 drawers. Partitions are removable—drawers interchangeable. Silver Dentone with blue enameled drawers. Wt. 11 lbs.
A37H295 410. Net 4.98

K AKRO MILS PLASTIC CABINETS—Compact, practical small parts storage units of breakproof styrene. Crystal clear, transparent "can't spill" drawers remove instantly for use in work areas. Smooth sliding ribs assure easy operation and extra rigidity. Each drawer is 5½" long, 2½" wide, 1¼" deep. Beige or ebony. Unit stands or stacks.
A37HX255 PM-9A. 9-Drawer Unit. Wt. 2 lbs. List 2.98... Net 1.99
A37HX256 PM-15A. 15-Drawer Unit. Wt. 4 lbs. List 4.98. Net 3.75
A37HX257 PM-21A. 21-Drawer Unit. Wt. 6 lbs. List 6.98. Net 5.25

L AKRO MILS STEEL CABINETS—Safe, systematic storage for articles up to 6" long. Welded steel cabinet with crystal clear plastic drawers for easy selection. Holds thread, pins, bolts, screws, nails, stamps, jewelry, and hundreds of other items. "Can't spill" drawers are instantly removable to carry to work area. Smooth sliding ribs assure easy opening and extra rigidity. Removable dividers make one drawer into three compartments. Each drawer is 5½" long, 2½" wide, 1¼" deep. Stand, stack or hang on wall. Complete with index labels for drawer fronts and one crosswise divider for each drawer. All units are 6" deep.
A37HX250 PM-12A. 12-Drawer Unit. Wt. 4 lbs. List 3.98. Net 2.99
A37HX251 PM-18A. 18-Drawer Unit. Wt. 6 lbs. List 5.98. Net 3.99
A37HX252 PM-24A. 24-Drawer Unit. Wt. 7 lbs. List 7.98. Net 5.99

CASH AND BOND BOX (not illus.). Fills the need for inexpensive safety boxes for home, office, school, store, club. Self-latching, spill-proof, key lock; fully returned edges.
A37H299 1013. Ship. wt. 1¼ lbs. Net 1.74

STANLEY POWER TOOLS



A
48.97



B
14.44



D
38.47



C 24.97

STANLEY



\$32⁸⁷

STANLEY ROUTER H264

A 3/4 horsepower router that spot-lights the working area; brightness increases as the work load increases. Recessed switch automatically locks shaft for safety when changing bits and cutters. Only one wrench required. Precision micro-depth adjustment for settings as fine as 1/64". Complete with router, light, base, and wrench. Wt. 9 1/2 lbs.

A49JX132.....\$5 Monthly, Net 48.97

STANLEY 1/4" DRILL H130

B 1/4" drill with geared chuck, 3-foot safety cord. UL approved. Offset chuck for close quarters, maximum ventilation. Compact 3-position handle with 2500 RPM no load speed. Big 3 amp motor. Designed for comfortable holding with excellent balance. Complete with chuck and chuck key. Overall length 8 3/4". Takes 1/8" wood drills. Compare at 24.95. Ship. wt. 4 1/4 lbs.

A49JX163.....\$2 Down, Net 14.44

ORBITAL SANDER H37

C For fine finishing as well as heavy duty work. Used for metal, wood, plastic, drywall sanding. Ball bearing construction. Air-cooled motor. 4000 orbits per minute. Complete with sandpaper. Perfect working weight. Positive slide switch, cord stays out of way. 2.2 amp motor, swirl-free sanding. Ideal for small work areas. Ship. wt. 8 lbs.

A49J148 List 49.95. \$5 Monthly, Net 24.97

NEW 6 1/2" STANLEY SAW H268

D Heavy duty builders saw. Features open handle, improved self-lubricating "Free-Start" Guard, ball and bronze bearings, wing-nut rear-position depth and bevel controls, special spring steel base support. "Motor-Saver" drive. Blade included. Universal type motor operates on DC or AC, 60 cycles, or less, 115 or 230 volts. 6 3/8"x5/8" blade. Cuts 7/8" to 2" at 90°. Ship. Wt. 13 1/4 lbs.

A49J425.....\$5 Monthly, Net 38.47

Sabre Saw H175

- Cuts Curves, Scrolls, Pockets!
- Cuts Intricate Patterns!
- Cuts Steel, Brass, Aluminum!

Cuts right up to wall. Cuts 2" lumber, electrical conduit, wire and cable. Easily cuts 1/2" steel bar. Heavy duty saw has adjustable 2-position base with flush blade. Industrial rated. Has improved chip-blower, cool comfortable handle, 3-wire safety cord. Fast 3,300 S.P.M. will cut almost anything in intricate patterns. Compare at \$46.95. Ship. wt. 6 1/2 lbs.

A49JX162.....\$5 Monthly, Net 32.87

THOR-SPEEDWAY MANUFACTURING PRODUCTS



E
11.79



F
13.95



G
13.79



H
9.75

ORBITAL SANDER

E Motor-driven, work-saving power for the home and ship craftsman! Ideal for rough or finish sanding, polishing... and even massaging!

SPECIFICATIONS: 4 1/2"x5 1/4" sanding area. Paper size, 4 1/2"x6 1/2". Overall length, 8". Two-pole induction motor, standard voltage 115V, 60 cycles, AC only, UL approved, 3/8" orbit, push-button switch, 3450 RPM no load speed. Ship. wt. 5 lbs.

A49JX266 Thor 1.....\$2 Down, Net 11.79

THOR-SPEEDWAY PORTABLE SPEEDGRINDER

F Dependability describes this workshop favorite that sharpens and grinds quickly, easily and accurately. Has cast-in work holder; powerful, quiet 3450 RPM motor; oilless bearings; vibrationless rubber feet. Two 4 1/2"x1 1/2" wheels—40 grit and 70 grit, adjustable tool rest, built-in water cooling tray. 9 1/2"x6x6". Wt. 8 lbs.

A17JX741 Thor 118.....\$2 Down, Net 13.95

SPEEDWAY JIGSAW

G Cuts curves, scrolls, straight cuts and rips. Cuts 45 degree angle on either side. **SPECIFICATIONS:** Powerful motor with three amp rating; cutting capacity, 2" soft wood, 3/8" steel. No load speed 3000 strokes per minute; length of stroke 5/8". Oilite bearings. Base tilts to 45°. Ideal for home workshops. Overall length 6 3/4". Overall height 5". Ship. wt. 5 lbs.

A49JX267 Thor 2.....\$2 Down, Net 13.79

SPEEDWAY 1/4" DRILL

H Ideal for home, shop, and farm use. A professional tool at a low price. **SPECIFICATIONS:** Full 2.5 amp motor, no load speed 2400 RPM full load speed 2400 rpm. Capacity in steel 3/8", in wood 1/2". Universal series wound motor, 115V AC. Type SJ UL approved lead cord, momentary contact switch with locking pin. Oilite bearings. Overall length 7 3/4". Ship. wt. 7 lbs.

A49JX268 Thor 2.....\$2 Down, Net 9.75

29 PIECE DRILL SET WITH STAND

29 semi-high speed, chrome vanadium drills. Sizes from 1/16" to 1/2". 1/4" shanks. Metal stand included. No need to misplace needed drills, find them easily, always in order of size. Ideal for home workshop. Compare at 19.95. Wt. 4 lbs.

A96L118.....\$2 Down, Net 6.95



\$14⁵⁰

3/8" Drill Value

3/8" heavy duty Matched-Craft drill. Has geared chuck, ball-thrust bearing construction. Has safety spring switch, automatic shut-off as soon as hand leaves drill. Takes up to 3/8" steel bit, up to 1/2" hardwood bit. 3 amp motor. 115V, AC/DC. UL listed. Ship. wt. 5 lbs.

A49JX269.....\$2 Down, Net 14.50

USE RADIO SHACK'S
EASY BUDGET PLAN
See Page 3 For Details

Include Postage With Each Item For Shipping Weight As Indicated. Overages Will Be Refunded

RADIO SHACK • 115



Soldering Irons, Solder Guns, Tools and Aids

American Beauty Irons

(A) AMERICAN BEAUTY #3138 SOLDERING IRON—This primarily designed for production and maintenance in radio, telegraph, ignition, etc., work. This soldering iron is long lasting and has a baffle plate at shank to keep handle cooler and is furnished with separate, heat insulating stand. 100 watts.
A17J101 3138 Ship. wt. 2 lbs...Net 7.01
A17J106 Tip for 3138...Net .45

(B) AMERICAN BEAUTY #3128 SOLDERING IRON—Designed for lighter work than the #3138 on similar applications. Has $\frac{1}{8}$ " tip. Chrome-nickel heating element, but without compression winding of the 3138. Diamond point is standard. Heat-insulating stand. Wt. 1 lb.
A17J104Net 4.61
A17J105 Tip for 3128Net .32

TEMPERATURE-REGULATING STAND—Stops over-heating when iron is idle yet holds iron at working temperature ready for instant use; adjustable thermostat lets you set heat just where you want it; iron plugs into stand; rests in metal cradle when not in use. Handles irons up to 660 W.
A17J113 Type 475Net 5.63

WELLER SOLDER GUN KIT



List \$7.95
\$5.83

WELLER SOLDERING GUN KIT—New compact design... complete with light, solder, brush and soldering aid. Over 100 watts rating. 120 V 60 cy AC only. \$7.95 list.
A17J095 #8200kNet 5.83

#8250 SOLDER GUN KIT—Professional kit with 250 watt gun.
A17J170\$2 Down, Net 10.99

ELECTRIC SOLDERING GUNS—Give instant heat, balanced weight, pistol grip and trigger make them easy to hold.
A49J153 581008, 100 Watts...Net 4.73
A17J241 D-440, 100/150 Watts. Net 9.52 S—single range, D—dual range.

| TIPS FOR WELLER GUNS | | | |
|----------------------|------|--------------------|------|
| Cat. No. | Type | For Models | Net |
| A17J232 | 8125 | 8200K, 8100 | 2/25 |
| A17J237 | 7138 | S-400, D-440, 8100 | 2/25 |
| A17J234 | 7250 | S-500, D-550, 8250 | 2/35 |

BULBS FOR WELLER GUNS
A00J406Net .15

(C) AMERICAN BEAUTY BANTAM SERIES SOLDERING IRONS—Super-hot $\frac{1}{8}$ " and $\frac{3}{16}$ " sizes, approx. 8" long. All stainless steel casing, practically indestructible. Highest quality nickel-chromium heating element—mica insulated. Tapered spool nose and projection-free casing. Wt. 12 oz.
A17J116 3118SCP $\frac{1}{8}$ " tip.....Net 4.30
A17J117 3120SCP $\frac{3}{16}$ " tip.....Net 4.30
A17J118 Repl. tip for 3118Net .17
A17J119 Repl. tip for 3120Net .21

UNGAR Electric Tools

(D) #217 UNGAR ELECTRIC PENCIL AND SOLDERING KIT—For home and hobby workshops. Has electric pencil, 5 interchangeable thread-on tips for wood, leather and cork burning, foil writing, light soldering, plastic repair, etc. Also has emery paper and metallic embossing foil. 115 V, AC-DC.
A17J212Net 2.70

UNGAR SOLDERING PENCIL—Small, safe low priced, durable, solid soldering pencil. Ideal for printed circuitry, miniature and sub-miniature systems. Spring socket, ceramic and glass insulator resists tip heat. Stainless steel heat deflector to keep heat away from hand. Polyvinyl insulated cord. Phenolic handle. Heats in 90 secs. 7" long.
A17J201Net 1.20

(E) UNGAR SOLDERING IRON HOLDER—With safety guard for more efficient soldering. No worries about brushing against the tip and getting burned. Keeps the iron cradled safely and securely in one place. Protects against iron breakage. Versatile, may be attached to top of bench, wall or side of bench, under bench.
A17J206 #8000Net 1.60

(F) UNGAR PENCIL IRON INTERCHANGEABLE TIPS

| Cat. No. | Type | Description | Net |
|----------|------|---------------------------------|------|
| A17J202 | 536 | *Stand. $\frac{1}{16}$ " Pyr. | 1.00 |
| A17J205* | 539 | †Stand. $\frac{1}{16}$ " Chis. | 1.00 |
| A17J210 | 1236 | *Hi-heat $\frac{1}{16}$ " Pyr. | 1.20 |
| A17J211 | 1239 | †Hi-heat $\frac{1}{16}$ " Chis. | 1.20 |
| A17J217 | 4036 | *Super $\frac{1}{16}$ " Pyr. | 2.40 |
| A17J218 | 4039 | †Super $\frac{1}{16}$ " Chis. | 2.40 |

*Illustration D. *Pyramid top †Chisel tip

THREAD-IN UNITS AND TIPSETS—Replace only the tip, not the entire element. Choice of 3 tipsets made of quality Etkaloy "A". #535 for general purpose, #1235 Hi-Heat for industrial use.

(G) SH-24 PROBING TWEEZERS—Polystyrene probe for locating shorts, opens, etc. with set on. No shorting.
A17J265Net .35
SH-20A SOLDERING AID—Easily disconnect wire-wrapped soldered joints. Wrap new joints, ream solder from holes.
A17J259Net .75

CBS Tools and Aids

These tools save time, energy and money. Designed specifically to make service and maintenance easier.

| Cat. No. | Type | Description | Net |
|----------|------|-----------------------|------|
| A17J225 | 535 | 23½ W, ½ thd, ¼" tip | 1.00 |
| A17J229 | 1235 | 37½ W, ½ thd, ¼" tip | 1.20 |
| A17J226 | 331 | Pencil thd-in triplet | .16 |
| A17J227 | 332 | Offset pencil triplet | .16 |
| A17J228 | 333 | Chisel pencil triplet | .16 |
| A17J270 | 4035 | 47½ W, ½ thd, ¼" tip | 2.40 |

SHOPMATE Irons & Guns

(H) #360 PEE WEE SOLDER IRON—Top quality 35-watt iron for all delicate work, designed to fit in tool kit. Only 7½" long with $\frac{3}{16}$ " or $\frac{1}{8}$ " tip. Baffle plate keeps handle cool. 5 foot cord, rubber plug, stand. Ship. wt. 1 lb.
A17J027 360Net 3.17
A17J015 Pyramid tip for 360.....Net .20
A17J016 Chisel tip for 360.....Net .20

(J) SG-125 1.3 AMP GUN—125 watts. Rugged construction, instant heat to tip. Long tip life. Sturdy single pole construction permits deep-in work without danger to component insulation. Extension barrels up to 12 inches. Has screw-in tip. Pre-focused sight light. White, high impact housing, engineered balance. Soft trigger action. Ship. wt. 1 lb.
A17J013Net 4.63
A17J017 Chisel tip for SG-125...Net .33
A17J018 Conical tip for SG-125...Net .33
KSG-125-1 SOLDER GUN KIT—Has the SG-125 solder gun and includes: one wire bristle cleaning brush, wire twister and joint cleaner, a roll of all purpose solder. Ship. wt. 3½ lbs.
A17J014Net 5.31

#315 SOLDER IRON—This iron is designed for radio and component use, where it will be used intermittently. 11½" long. Ship. wt. 3½ lbs.
A71001.....Net 1.87
A17J004 Tip for 315.....Net .60

USE RADIO SHACK'S EASY BUDGET PLAN. SEE PAGE 3 FOR DETAILED CHART

KESTER SOLDER high quality solder for easy, fast soldering. Excellent for radio and electrical work.

| Rosin Core, Non-Corrosive Solder | | | | |
|----------------------------------|----------|------|------|------|
| Cat. No. | Tin-Lead | Dis. | Lbs. | Net |
| A17J277 | 40-60 | ½" | 1 | 1.11 |
| "RESIN FIVE" SOLDER | | | | |
| A17J276 | 40-60 | ½" | Box | .17 |
| A17J282 | 50-50 | ¾" | 1 | 1.31 |
| A17J288 | 60-40 | ¾" | 1 | 1.51 |
| A17J283 | 50-50 | ¾" | 1 | 1.34 |

KESTER SOLDERING PASTE—Gives fine, even, non-corrosive joints.
A17J281 EachNet .12



XCELITE Screwdrivers and Nut Drivers

(A) XCELITE SCREWDRIVERS—Shockproof, break proof, amber plastic handle. Chrome vanadium steel blade ground to fit the screw slot accurately. The embedded end of the blade has wing design to prevent blade turning in the handle. Sizes are marked on handle.

| Cat. No. | Type | Blade Size | Net |
|----------|--------|------------|-----|
| A17J398 | R-3322 | 5/16x2" | .18 |
| A17J399 | L-3324 | 5/16x4" | .27 |
| A17J400 | 182 | 1/2x2" | .32 |
| A17J403 | 184 | 1/2x4" | .39 |
| A17J404 | 186 | 1/2x6" | .42 |
| A17J407 | 3164 | 3/16x4" | .60 |
| A17J408 | 3166 | 3/16x6" | .69 |
| A17J410 | 144 | 1/2x4" | .75 |
| A17J411 | 146 | 1/2x6" | .78 |
| A17J412 | 148 | 1/2x8" | .84 |

(B) XCELITE MIDGET POCKET NUT DRIVERS Precision made for work with small components in confined areas.

| Cat. No. | Type | Fig. | Description | Net |
|----------|------|------|--------------|-----|
| A17J420 | P-3 | B | 1/32" Driver | .45 |
| A17J421 | P-4 | B | 1/16" Driver | .45 |
| A17J422 | P-8 | B | 1/8" Driver | .45 |

ECLIPSE High Power Magnets

(G) ECLIPSE LABORATORY MAGNET SET—High quality permanent magnet set designed for use in laboratories, home experiments, and science clubs. Use to demonstrate the properties of permanent magnets of different shapes and sizes. Includes bar, bridge, and horseshoe magnets. Ship. wt. 15 oz.

A49J247 850.....Net 4.73

(H) ECLIPSE POCKET MAGNET—Engineer's inspection magnet. Has great power for its small size. Useful for retrieving bolts and nuts, etc., from inaccessible places in the garage, workshop, lab, etc. Shipping weight 1/2 lb.

A49J240 802.....Net .49

(C) XCELITE NUT DRIVERS—Sturdy plastic handles. Shockproof, break proof. Each unit is 6" long. Handles color coded. Heavy knurled grip.

| Cat. No. | Type | Handle | Nut Size | Net |
|----------|------|--------|----------|-----|
| A17J382 | 6 | Black | 3/16" | .72 |
| A17J383 | 7 | Brown | 3/32" | .72 |
| A17J384 | 8 | Red | 1/4" | .72 |
| A17J385 | 9 | Orange | 5/32" | .72 |
| A17J386 | 10 | Yellow | 3/8" | .72 |
| A17J387 | 11 | Green | 11/32" | .72 |
| A17J388 | 12 | Blue | 3/4" | .90 |
| A17J390 | 16 | Red | 1/2" | .90 |

XCELITE PHILLIPS SCREWDRIVERS—Alloy steel screwdrivers permanently imbedded in break-proof amber plastic handles. X108—8" blade, X101—3" blade.

A17J416 X108, Pr. Size 1.....Net .75

A17J417 X101, Pr. Size 1.....Net .69

XCELITE STUBBY SCREWDRIVER—Shockproof, break-proof plastic handle, polished blade, 1 1/4" long.

A17J419.....Net .51

XCELITE STUBBY NUT DRIVER—Amber, shock-proof handle, only 3 1/4" long for tight spots. Takes 3/16" nut.

A17J423.....Net .54

(J) ECLIPSE BUTTON MAGNETS—"Alnico" design gives magnet suitable for magnetic plotters and indicators.

| Cat. No. | Type | H x Dia. | Size Wt. | Net |
|----------|------|------------|----------|-----|
| A49J241 | 821A | 3/8 x 1/2" | 1/4 lb. | .25 |
| A49J242 | 822B | 1/2 x 3/4" | 1/2 lb. | .45 |
| A29J243 | 823C | 3/4 x 1" | 1 lb. | .69 |

ECLIPSE POWER MAGNETS—"Alcomax" magnets furnish a high rate of power and efficiency in relation to weight. For handling, sorting, work holding and jiggling. Can also be used for the main component of electric relays, clutches and drives, etc.

A49J244 811A 3/4 x 3/4" 1/2 lb. .99

A49J245 812B 3/4 x 1" 1/2 lb. 1.65

A49J246 813C 3/4 x 1 1/2" 1 lb. 2.28

ARCHER Hand Tools

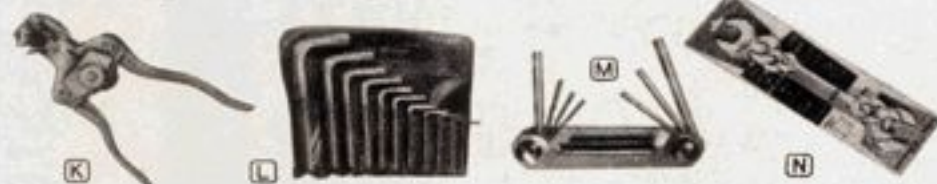


FAMOUS ARCHER BRAND DROP-FORGED CUTTERS AND PLIERS—High quality, thoroughly tested for unexcelled performance on the job. All have cushion grips, polished heads. U.S. made.

| Cat. No. | Fig. | Description | Net |
|----------|------|-----------------------|------|
| A17J362 | D | 5" Diag. cutter | 1.62 |
| A17J363 | D | 6" Diag. cutter | 1.85 |
| A17J364 | E | 6" Chain Nose, cutter | 1.85 |
| A17J365 | E | 7" Chain Nose, cutter | 2.19 |
| A17J366 | F | 6" Side cutter | 1.65 |
| A17J367 | F | 7" Side cutter | 1.75 |



Speedex-Upland-Kraeuter-Millers Falls Hand Tools



(K) SPEEDEX WIRE STRIPPER #733A—Fast, easy operating tool. Saves time in shop and in the field. Hold in hand or fasten to the bench. Handles wire sizes up to 14-30.

A17J471.....Net 4.77

(K) SPEEDEX #766A SPEED-O-MATIC WIRE STRIPPER—Fully automatic wire stripper eliminates crushed wires. Just squeeze and release, insulation is off in a jiffy. Saves time, gives smooth operation. Takes up to 14-30 wire.

A17J474.....Net 5.94

MILLER 101-S WIRE STRIPPER AND CUTTER—For all commonly used stranded wires. Hardened, ground blades cut cleanly with smooth shearing action. Adjusts for wire size. Soft plastic handles. Tool is 5" long. Shipping weight 1/2 lb.

A17J002.....Net .99

KRAEUTER JEWELERS' PLIERS—Beautifully machine-ground, fully polished, drop-forged steel jewelers' pliers. Small, but powerful, these tools are invaluable for fine, close work. 4 1/2" long. Cushioned grip.

| Cat. No. | Type | Description | Net |
|----------|------|-------------|------|
| A17J320 | CG81 | Diag. cut | 2.50 |
| A17J321 | CG82 | End Cut | 2.91 |
| A17J322 | CG83 | Chain Nose | 2.35 |
| A17J323 | CG84 | Flat Nose | 2.35 |
| A17J324 | CG85 | Round Nose | 2.35 |

PLASTIC INSULATION TAPE—Tough plastic tape for wiring in radios, TV, etc.

| Cat. No. | Description | Net |
|----------|-------------|------|
| A95L189 | 1/4" x 108' | 1.10 |
| A95L692 | 1/4" x 30' | .39 |
| A95L691 | 1/4" x 66' | .79 |

UPLAND HEX KEY SETS—Made of especially selected steel to close tolerances. Heat treated and tempered to give the guaranteed "wearhard" surfaces. These precision keys are plated and come in a heavy duty vinyl case.

#245 HEX KEY SET—Has 7 keys from 1/16" to 3/32". Plated.

A17J957.....Net .24

(L) #44 HEX KEY SET—Has 11 keys, Sizes from .05" through 3/16".

A17J956.....Net .69

#0355165 HEX KEY SET—18 pieces designed especially to meet the needs in the home, industry or on the farm. Has sizes from .035" to 3/16" in short and long arm series.

A17J958.....Net .89

(M) No. 5P-7K HEX KEY SET—Plated pocket wrench set, 7 sizes from .050" to 3/16" across flats. All contained in one handy I-beam type unit. No more fumbling for just one key.

A17J959 Ship. wt. 5 oz.....Net .69

(N) FOUR PIECE WRENCH SET—4 double end, open-end plated wrenches. Contains 3/16" x 1/2", 3/8" x 3/16", 1/2" x 3/16", and 5/8" x 3/4" sizes.

A17J690 Ship. wt. 1/2 lb. No. 5P-4.....Net .79

Direct Drive Electric Power Plants



1000 WATTS
1250 watts intermittent

1000 W. 3-H.P. 115 Vac
Convenient Rope
Starter

ONLY \$7.50 MONTHLY **\$149⁹⁵**

High quality gasoline-operated power plant at low, low cost. It's portable, it's permanent! Operates oil burners, freezers, water pumps, lights, etc. It has a regulated built-in governor and a 90-day parts warranty. Fits easily into car trunk for camping trips for dependable electric power any place. 70 lbs. A96L901.....\$7.50 Monthly, Net 149.95



1750 WATTS
2000 watts intermittent

2000 W. 4-H.P. 115 Vac
Auto. Recoil Starter

ONLY \$9.50 MONTHLY **\$199⁹⁵**

Large capacity power plant, ideally suited for ham radio equipment or for permanent installations in camps, barns or in disaster areas. Save on this low cost 2000 watt power plant to operate home appliances, lights or power machinery. Built-in regulating governor with 90 day warranty on parts. Operating manual is also included. 110 lbs. A96LX920.....\$9.50 Monthly, Net 199.95



3000 WATTS

3000 W. 5½-H.P. 115 Vac
4Cy. Air-Cooled Engine

ONLY \$12.50 MONTHLY **\$289⁹⁵**

Direct drive AC and DC circuits filtered. Continuous duty drip-proof generator. Extra capacity 6-qt. fuel tank. Starting 3500 w. Has a built-in overload protection relay and a mechanically controlled governor. Weighs 135 lbs., manual rope starter, duplex outlet and muffler. Has world famous Briggs & Stratton engine. Use in home or industry. Shipping weight 156 lbs. A96LX954.....\$13.50 Monthly, Net 289.95

4-in-1 Metal Working Tool

4"x5"x14" **\$9⁹⁵**
Rivets Easily



The perfect tool; it Drives! Forms! Shears! & Punches! Hard steel surfaces. A49JX168 Ship. wt. 10 lbs.....Net 9.95

Bending & Forming Brake

\$14⁹⁵



Bends to 90° in metals! Handles 18" width stock. \$29.95 Value. Ship. wt. 20 lbs. A49JX167.....Net 14.95

Archer Foto-Eye PM Switch

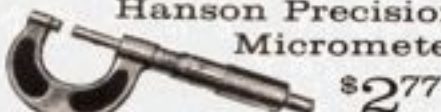
Silent Watchman Discourages Burglars **\$6⁹⁵**



Turns lights on at dusk and turns lights off at dawn. No setting or resetting needed. No mar rubber feet. 4" x 1½" x 2½".

A98L086 Ship. wt. 1 lb.....Net 6.95

Hanson Precision Micrometer



\$2⁷⁷

0-1" guaranteed accuracy to .0005". Spring friction stop. Frame, thimble and ratchet fully chrome. Die-cast frame. A17J047 100RS. Ship. wt. ¼ lb...Net 2.77

Greenlee Radio Chassis Punches

Will make or enlarge holes in any radio chassis metal up to No. 10 gauge. Operates simply by turning the screw with a wrench until hole is cut thru. No reaming or filing needed. Series. Ship. wt. 1½ lbs.



No. 730

| Cat. No. | Hole Size | Net | Cat. No. | Hole Size | Net |
|----------|-----------|------|----------|-----------|------|
| A17J450 | ⅛" | 2.29 | A17J453 | ⅜" | 2.29 |
| A17J451 | ⅜" | 2.29 | A17J454 | 1" | 2.51 |
| A17J452 | ½" | 2.29 | A17J456 | 1½" | 2.65 |

Hanson "Ace" Reamer

Heat Treated

A long tapered reamer for use where holes are to be enlarged in metal or other materials. Ship. wt. ¼ lb. A49J257.....Net .94



94^c

POWER TOOL ACCESSORIES



A ARCO SCREW-MATIC—Screw driver attachment w/industrial type clutch & bit holder. A96L104 700 Ship. wt. 1 lb...Net 3.98

B 7 PC. HOLE SAW FOR ¼" DRILL—Fits any electric drill, lathe, etc. A96L227 Ship. wt. 1 lb.....Net 1.98

C ½" CHUCK FOR ¼" DRILL—Convert your ¼" drill to full ½" speedily. A96L150 Ship. wt. 1½ lbs.....Net 1.39

D GENERAL HARDWARE CIRCLE CUTTER—Cuts 1¼" to 4" diameter holes. Round shank. A49J250 #3 Ship. wt. 1 lb...Net 1.29

E ARCO ROUTER-DRILL—Saws, drills, routs, files. Fits any electric drill. A49J249 #1160 Ship. wt. ¼ lb...Net .92

F STANLEY FRICTION TYPE SCREW DRIVER ATTACHMENT—Drives screws faster and easier. A49J156 H-35B Ship. wt. 1 lb...Net 3.85

G ARCO SCREW-DRILL—Drills, countersinks, counter bores in one operation. Set of 4 woodscrews—flat, round, oval head. Ship. wt. 1½ lbs. A49J248 #1140.....Net 2.40

H 2" CUP BRUSH ON ¼" SHANK by COASTAL. A49J279 P-92C.....Net .88

I 25 ASSORTED 5" SANDING DISCS by COASTAL. A49J280 A-25.....Net .73

J ROTARY RASPS—Special analysis steel rasps... ideal power tool accessory for woodworking, plastics, fibers, etc. Net

A49J273 PR-1 Head Size ⅝"x1½".....73
A49J274 PR-2 Head Size ⅝"x1½".....73
A49J275 PR-3 Head Size ⅝"x1½".....73
A49J276 PR-4 Head Size ⅝"x1½".....73
A49J277 PR-5 Head Size ⅝"x3¼".....73
A49J278 PR-6 Head Size Round ⅝".....73

H RIGHT ANGLE DRIVE ATTACHMENT—For drilling in close spaces/sanding. A49J169 H-351 Ship. wt. 2 lbs...Net 3.47

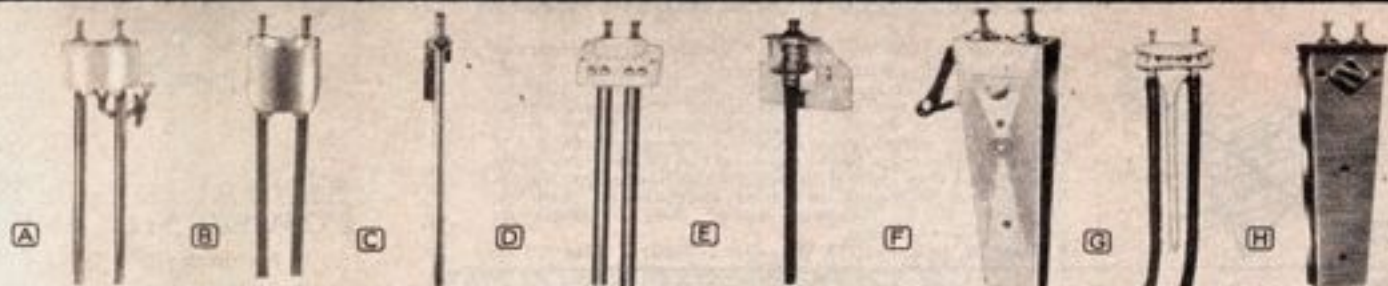
J SWIRLAWAY KIT—Disc sanding with ball joint action. Always lies flat on work. Ship. wt. 1 lb. A49J160 H-145K.....Net 2.46

JIG SAW ATTACHMENT FOR ¼" DRILL. A96L101 Ship. wt. 3 lbs.....Net 6.65

ROTARY FILES AND BURS w/¼" SHANKS

| Cat. No. | Head Size | Net |
|----------|---------------|-----|
| A49J231 | H5-1 ⅝"x1" | .73 |
| A49J232 | H5-2 ⅝"x1" | .73 |
| A49J233 | H5-3 ⅝"x1" | .73 |
| A49J234 | H5-5 Round ⅝" | .73 |
| A49J235 | H5-6 ⅝"x½" | .73 |
| A49J238 | H5-7 ⅝"x1" | .73 |
| A49J239 | H5-8 ⅝"x1" | .73 |
| A49J251 | H5-9 ⅝"x½" | .73 |
| A49J252 | H5-10 ⅝"x1" | .73 |

JFD Exact Replacement Indoor TV ANTENNAS

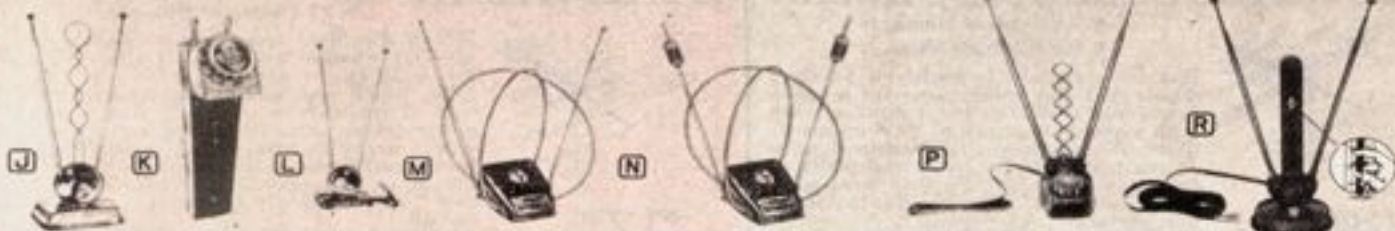


They're all here at Radio Shack—every exact replacement antenna for every portable TV... and they're all priced for genuine savings! Due to space limitations, however, we could not list them all. Write for any antenna not listed. When ordering, state model number and make of set. Ship. wt. 1 lb.



| Cat. No. | Model No. | Set Mfr. | Fig. | List Price | Net |
|----------|-----------|--|------|------------|------|
| A29XD990 | TA155 | Admiral, Westinghouse | F | 4.95 | 2.91 |
| A29DX451 | TA360 | Emerson, G.E., Muntz, Sears' Silvertone | G | 7.65 | 4.50 |
| A29DX966 | TA359 | Dumont, Magnavox, Motorola, Packard-Bell, Philco, RCA Victor, Satchell-Carlson, Silvertone | H | 4.50 | 2.65 |

| Cat. No. | Model No. | Set Mfr. | Fig. | List Price | Net |
|----------|-----------|----------------|------|------------|------|
| A29DX452 | TA369 | RCA Victor | D | 8.25 | 4.85 |
| A29DX453 | TA362 | G.E., Hotpoint | A | 9.95 | 5.73 |
| A29DX454 | TA363 | G.E., Hotpoint | B | 9.95 | 5.73 |
| A29DX455 | TA361 | Admiral | E | 5.50 | 3.23 |
| A29DX456 | TA366 | Philco | C | 5.50 | 3.23 |



J UHF-VHF CONCEALED INDOOR TV ANTENNA: Mounts conveniently and inconspicuously behind TV set. All you see is attractive 12-position rotary channel selector switch and elements. 4-section elements slide up for clear, sharp pictures. Attaches in minutes. Includes 300 ohm twin lead with spade lugs. Mahogany only. Ship. wt. 1 lb. A29DX989 L20. List \$14.95. Net **5.30**

K JFD DIAL-A-MATIC: Special 6-position electro-mechanical switch permits improved impedance matching for stronger, clearer signals. Fully adjustable 4-section brass dipoles fine-tune picture. With 5 ft. of 300 ohm twin lead and spade lug terminals. Mahogany. Ship. wt. 2 lbs. List \$9.95. A29DX968 TA147. Net **2.70**

L JFD SHORTY: New low look, only 13" high. Classic sculptured spherical base complements any modern or traditional style TV set. 3-Section telescoping elements. Ship. wt. 1 lb. List \$7.95. A29DX969 TA141M. Net **1.59**

M REMBRANDT INDOOR ANTENNA: Only indoor TV antenna with arms that extend to full 104" for perfect resonance match to all TV channels. Has 12-position anti-ghost orienting control. Handsome brass construction. Ship. wt. 1 lb. List \$16.96. A29DX507 Rembrandt. Net **9.95**

N DELUXE SUPER-POWERED REMBRANDT: Has new exclusive Power Boosters on each arm that increase signal strength and extend performance range beyond the distance of any other indoor antenna. Ship. wt. 1 lb. List \$18.95. A29DX509 Super Rembrandt. Net **11.95**

P FAMOUS SPICO STRAT-O-MATIC INDOOR ANTENNA: Precision "on-the-beam" dialing with new golden automatic 6-position selector switch. Tunes out fuzz, ghosts; gives instant, clear tuning on each channel. For UHF, VHF, FM, color or black and white. Ship. wt. 1 lb. List \$10.95. A29DX245 57G. Net **3.57**

R SPICO GOLDEN SUPER 6-INDOOR ANTENNA: Truly an electronic achievement with its "selectronic" tuning. Tunable impedance matching device gives clear, sharp pictures on each individual channel. Has "Adjusta-Knob" for micro-fine adjustment. Combines the most wanted indoor antenna features with the most advanced styling. For UHF, VHF, FM. Ship. wt. 1 lb. List \$12.95. A29DX246 Super 6. Net **3.26**



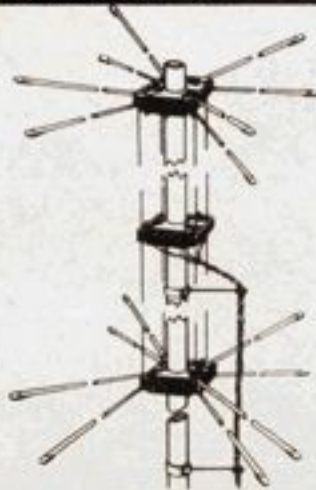
QUICK-UP INLINE ANTENNA—Complete with mast, swivel mounting bracket, guy clamp, necessary hardware, stand-off Insulators, full installation instruction. Patented design combines excellent reception characteristics with exceptional mechanical features. Only antenna which gives uninterrupted service during long winter storms. A29DX053 Ship. wt. 5 lbs. \$2 Down, Net 10.00
DELUXE FM ANTENNA—Complete kit with all components needed. A29DX191 Has mast, stand-offs, instructions. Wt. 5 lbs. Net 9.55

Rembrandt Double Stack Riviera Rotating Antenna

- No Motors
- All Directional
- Flip-out Elements

\$19⁸⁵

The world's most powerful—an all directional, 2-bay, UHF, VHF, FM outdoor antenna. Instantly beams to straight signals on every channel electronically. No motors or external moving parts. Just select one of 12-positions on switch connected at set, antenna beam rotates for superb ultra-fringe reception. Eliminate ghosts, interference, 200 mile range. Flip-out elements make installation easy and fast. Aluminum. Ship. wt. 10 lbs.
 A29DX503 Riviera Net 19.85
 A30DX512 100' Twin lead. Net 8.90
 A29DX633 Atlas 2-Bay Kit Net 22.45
 A29DX510 Atlas 1-Bay Kit Net 14.95



TV Deep-Fringe Antennas

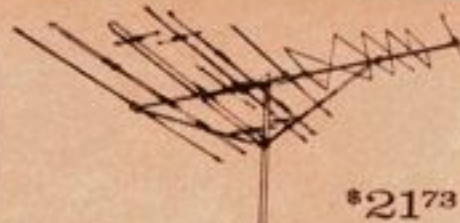
VX-1111 Hi-Fi Satellite-Helix

- For up to 150 Miles
- 31 Electrical Elements

All-aluminum, with 31 electrical elements which shrink the miles and flatten the mountains to deliver superb black and white or color reception in the deepest fringe areas. Needle-sharp directivity seeks out desired signal, cuts ghosts, pinpoints distant TV stations, achieves high gain on all VHF channels. Super-sensitive helical high band, plus famous Satellite sleeve lowband provides exceptional gain on channels 2-13. Rugged, heavy duty. Withstands winds, storms, icing.

A29DX920 Ship. wt. 15 lbs., List \$47.50. . . . Net 29.11

\$29.11



\$21.73

MODEL PX911 POWER HELIX

- For up to 125 Miles
- 26 Electrical Units

Extremely high front-to-back ratio and superior gain delivers crisp black and white or color reception in the deep fringe. Twin-driven collector system combines Satellite straight and folded dipole sections to deliver Yagi-quality performance on all VHF channels. Rugged double U-bolt. Unbreakable Kralastic B insulators. 100% preassembled construction.

A29DX471 Ship. wt. 5 lbs., List Price \$36.95. . . . \$5 Monthly, Net 21.73

SPECIAL!

Aluminum Masts

5 ft. **90c** 10 ft. **\$1.75**

Lightweight, extra-strong, ends swaged for stacking!

A29DX837 5 ft., Wt. 1½ lbs. .90
A29DX838 10 ft., Wt. 2½ lbs. 1.75

SEE PAGE 122

For Antenna Accessories

BUY OUR

EASY-PAY WAY!

DETAILS on PAGE 3

Famous All-Aluminum Fireball

- 9 Electrical Elements
- For up to 50 Miles

Has same famous twin-driven Satellite dipole of large, more powerful models. Low-band and high band dipoles work with phased directors to step up sensitivity and suppress undesirable signals. Acute directivity for black and white or color—year round! Factory preassembled for fast set-up. Kralastic B insulators.

A29DX633 Type FB490, Ship. wt. 4 lbs., List Price \$15.30. . . . Net 8.99

\$8.99

STAR-HELIX

- For 100-125 Miles
- 23 Electrical Elements

Here's the ideal antenna for dependable all VHF channel reception in semi-fringe areas. 23 electrical elements bring in fine grain black and white and color reception. Triple-driven collector system and power-packed Satellite folded and straight dipole sections assure Yagi-quality performance. Front to back ratios of up to 22 db, on channels 2-6; 28 db, on channels 7-13. Ruggedly constructed; easy to install.

A29DX986 Type SX711, Ship. wt. 8 lbs., List Price \$29.35. . . . \$2 down, Net 17.26

\$17.26

JUNIOR HELIX

- For up to 50 Miles
- 15 Electrical Elements

Outperforms and outlasts even the finest 2-bay conical! It's the perfect answer to all VHF reception problems in metropolitan and suburban areas with moderate signal strength. Sensitive Satellite-Helix design. All-aluminum construction with 1" square crossarm with capped ends. Unbreakable B insulators; massive double U-bolt. Tops for black and white or color. Excellent for "the Cape."

A29DX923 Type JX311, Ship. wt. 5 lbs., List \$17.50. . . . \$2 down, Net 10.29

\$10.29

Gold Anodized Hi-Fi Fireball

- For up to 100 miles
- 14 Electrical Elements

Outstanding for extra gain and sensitivity in fringe and semi-fringe areas. Combined Satellite and Fireball designs with 14 twin-driven electrical elements use separate lowband and highband dipoles, working with broadband cut directors and reflectors. Exceptional directivity and power on all VHF channels, in black and white or color. High front-to-back ratios cuts ghosts, snow, interference. Easy installation. Rugged construction.

A29DX631 Type AB510, Ship. wt. 8 lbs., List \$31.40. . . . \$2 down, Net 18.46

\$18.46

Triple Driven Fireball

- Up to 125 Mile Range
- 24 Electrical Elements
- Gold Anodized Aluminum

\$26.46

You'll get brilliant picture detail with this 24 electrical element antenna, whether it's black and white or color. Features fringe-proved Satellite dipole design. Individual reverse phase twin driven low band and high band collectors, reflectors and directors achieve excellent front-to-back ratios for extremely high signal noise level. Result is sharpened directivity for rich, deep-contrast, interference-free pictures. Completely preassembled. 1" square crossarm with capped ends and reinforced elements, brackets, double U-bolt, Kralastic B insulators. A top performer—sensationally low price!

A29DX632 Type AB520, Ship. wt. 10 lbs., List \$45.00. . . . \$5 Monthly, Net 26.46

FM Stereo Cone Kit

- 75 Mile Range
- All-Directional
- High Gain
- Gold Anodized



low instructions make it fun to install, too. Includes gold anodized aluminum omnidirectional turnstile hi-fi FM antenna; one 5' mast; I base mount for wall or roof; galvanized steel guy wire; guy ring; stand-offs; mtg. hardware, 50' ohm wire. A29DX630 Type AFM100, Ship. wt. 4 lbs., List \$15.95. . . . \$5 Monthly, Net 9.38

FM STEREO CONE ATTACH-IT KIT

For TV owners who want hi-fi FM reception at minimum costs. All-directional FM gold antenna as above with all accessories for attachment to existing TV antenna masts.

A29DX805 Type AM175, Ship. wt. 4 lbs., List \$11.95. . . . Net 8.20

FM Deep Fringe Antenna

- 6-Element Yagi Design
- Up to 12 Mile Range
- Gold Anodized Aluminum

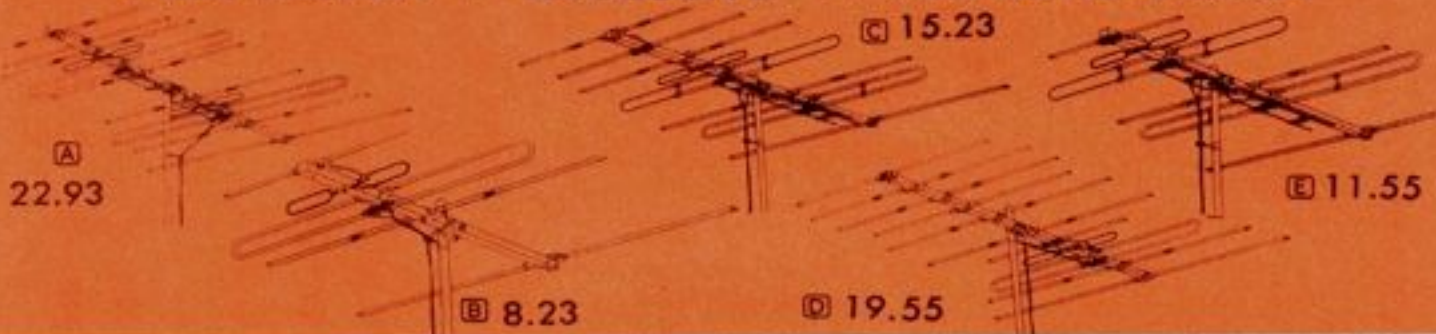
\$13.82

For ultra-high gain, sharp directivity and high fidelity, here's a true deep-fringe Yagi antenna with sensitive 6-element Satellite dipole. Steps up gain on channels 14 to 83 and cuts down noise. Distant FM stations are pinpointed with amazing clarity—up to 125 miles reception! Entirely made of gold anodized corrosion-proof aluminum. Completely preassembled for easy installation. Each element flips and locks into perfect alignment. Good-looking, too.

A29DX806 Type AFM 300, Ship. wt. 4 lbs., List \$23.50. . . . \$2 down, Net 13.82

FINCO TV-FM ANTENNAS AT 40% OFF

TWIN DRIVEN • EXCLUSIVE • GEOMATIC DESIGN



A FINNEY GEOMATIC BROAD BAND MODEL B-8—The first broad-band antenna to obtain maximum front-to-back ratio. The closest approach to perfection in TV antennas. Features twin driving of TWO FIDELITY-PHASED elements, "QUAD-TRI-QUAD" drive and INTER-LEAVED ELEMENTS. For super performance in suburban to deep fringe areas. Ship. wt. 9½ lbs. List \$39.00.
A29DX769 Model No. B-8 Net 22.93
A29DX991 Stacking kit A harness. Net 1.23

B FINCO SUBURBAN TO FRINGE AREA MODEL B-3—A truly HOT antenna for suburban to fringe areas of 75 miles or more. Includes lowband reflector, 3-element co-linear highband reflector and inductance-tuned combination director for both highband and lowband (Channels 2 to 13). Ship. wt. 3½ lbs. List \$14.00.
A29DX767 Model No. B-3 Net 8.23
A29DX991 Stacking kit A harness. Net 1.23

C FINNEY TWIN-DRIVEN GEOMATIC MODEL B-7—Twin-driven, Geomatic, broad-band antennas for black-white or color reception. Features two 3-element co-linear directors on highband and an inductance-tuned lowband director. This design produces high pattern directivity approaching maximum performance. Ship. wt. 6½ lbs. List \$25.90.
A29DX768 Model No. B-7 Net 15.23
A29DX991 Stacking kit A harness. Net 1.23

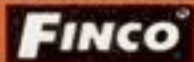
D FINCO GEOMATIC ANTENNA MODEL B-5—For reception and picture clarity in the maximum fringe area of up to 150 miles heretofore considered impossible to obtain. Multiple low-band reflectors and directors, combination elements, and "Fidelity Phasing," produce ultra-high gain, sensitivity, and directivity previously found only in single channel Yagis. Ship. wt. 9½ lbs. List \$33.25.
A29DX651 Model B-5 Net 19.55
A29DX991 Stack. kit 'A' harness. Net 1.23

E FINNEY MODEL B-6—A close spaced, reversed phase twin driven antenna to produce high gain with very high front-to-back ratio at a popular price. Incorporates four coaxial capacitors in one folded dipole, causing the dipole to operate as one length on high-band and a different length on low-band. Peak performance to be obtained on both bands. List \$19.65.
A29DX243 Model B-6 Net 11.55
A29DX991 Stacking kit A harness. Net 1.23

CHIMNEY MOUNT KIT—Two 5' 18 ga. hi-carbon steel masts plus necessary hardware for mounting. Ship. wt. 6 lbs.
A29DX807 Archer CM100 Net 4.50

BASE MOUNT KIT—Complete kit described above plus an all-angle base mount. Ship. wt. 6 lbs.
A29DX808 Archer BM-150 Net 3.91

TWIN DRIVEN • EXCLUSIVE • GEOMATIC DESIGN



F FINNEY SUPER CO-LINEAR MODEL F-4—Fidelity phased, super co-linear with miracle Fidelity Phasing for both color and black-white reception. Fidelity Phasing produces in-phase co-linear currents and eliminates complicated, energy-wasting, phase reversing harnesses. The lack of complicated and delicate harnesses makes installation amazingly simple, speedy and weatherproof. Great resistance to high wind or ice load damage. World's most powerful co-linear antenna for high and low band reception in the super fringe area. Ship. wt. 13 lbs. List \$46.00.
A29DX751 \$5 Monthly, Net 27.05



CORNELL DUBILIER ROTATOR

\$32.77

\$5 Monthly

Ideal for deluxe TV, amateur radio. 1 rpm. Balanced on-center automatic rotator control of any TV antenna arrangement. Will handle stacked 10-meter or single 20-meter beams weighing up to 150 lbs. Takes ½" to 2" mast. Ship. wt. 6 lbs.

A29D125 \$5 Monthly, Net 32.77
A30K335 4-Wire Cable Per Ft. .03

G FINCO SPECIAL MODEL TWO-BAY CONICAL MODEL B-11-A—Specifically designed to outperform all 2-bay conicals. The finest value in the antenna industry, in gain, front-to-back ratio and all-weather construction. Flat response for true color reception—no "holes" as experienced in common conical design. Ship. wt. 5 lbs. List \$12.50.
A29DX750 Model No. B-11A Net 7.35

H FINNEY TURNSTILE TYPE ANTENNA ADAPTER KIT MODEL FMT-A—Now you can have an FM Turnstile Type Antenna which can be adapted to your present TV mast. Supplied with 50 ft. of 300 ohm twin line, two mast stand-off insulators and three wood screw eye stand-off insulators. Ship. wt. 3½ lbs. List \$14.50.
A29DX796 Model No. FMT-A Net 8.53

J FINNEY FM ANTENNA MODEL FM-4—FINCO ultra high geometric design. Uses a specially engineered twin drive element having impedance control "T" match stubs. The FINNEY FM-4 enables maximum gain to be obtained over the full 88 to 108 MC band. Ship. wt. 6½ lbs. List \$24.90.
A29DX797 Model No. FM-4 Net 14.64

K FINNEY GOLD CORRODIZED PROFESSIONAL MODEL FM-5—Supersensitive Antenna. FINCO ultra high geometric design. FM antenna designed for the FM enthusiast willing to spend a little more to obtain best performance and quality. Maximum gain is assured over the full 88 to 108 MC band. Extra-wide spaced ten elements on an extra-long 118" square boom. List \$36.35.
A29DX798 Model No. FM-5 Net 21.37

Finco Suburban—Semi-Fringe Antenna

• Pre-assembled! **\$4.50**
 • Save Over \$3.00!

MODEL B-2—Features pre-assembled, all aluminum co-linear highband reflector mounted on special high-impact polystyrene insulator for increased gain and exceptionally high front-to-back ratio. (Channels 2 to 13). Ship. wt. 3½ lbs. List \$7.65.

A29DX766 Model No. B-2 Net 4.50
A29DX991 Stacking kit A harness. Net 1.23



Save 40% on Rotors-Antenna Accessories!

CORNELL-DUBILIER ROTOR TR-16

A

- Only \$5 Monthly
- 45 Sec. Rotation
- Trouble Free

List \$5
47.32 Monthly **\$27.82**

Trouble Free, positive control with accurate meter direction indication. The thrust bearing will support and rotate largest TV stacks. Mechanical braking. Ship. wt. 15 lbs. List 47.32.

A29DX028 \$5 Monthly, Net 27.82
A30K335 4 Wire cable, per ft. Net .04

B Cornell-Dubilier AR-2 Rotor

- Sharper Tuning
- Weather Sealed

\$31.54

Automatic with thrust bearing. Uses 4-line cable. Magnetic release brake. Takes up to 1 1/2" O.D. mast. Pre-lubricated.

A29DX124 Ship. wt. 15 lbs. Net 31.54

C Cornell-Dubilier Ham-M Rotor

- Extra Heavy Duty
- Weather-Proof

\$119.50

\$6 Monthly

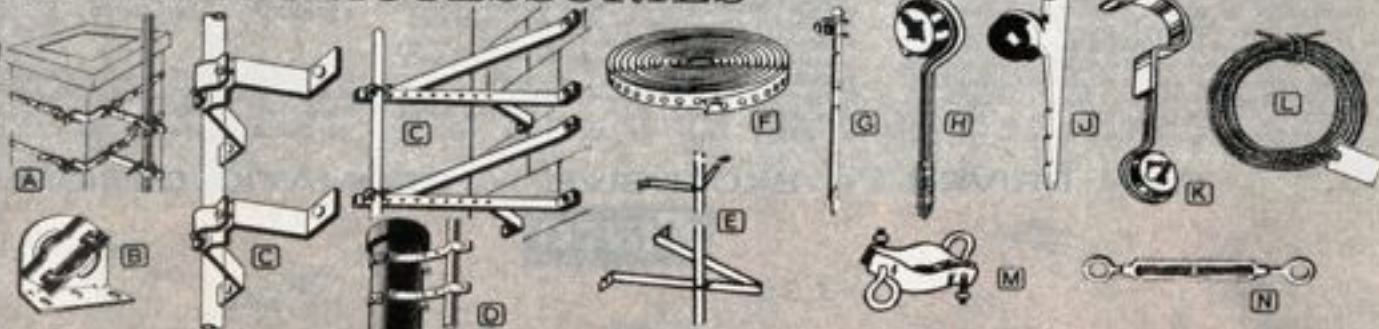
Installs on any tower. Has built-in brake, desk-top direction indicator, 95 precision ball-bearing-race.

A29DX126 Ship. wt. 15 lbs. \$6 Monthly, Net 119.50



USE RADIO SHACK'S EASY TERMS see Page 3

ANTENNA ACCESSORIES



Archer TV Antenna Replacement Kit

- Ideal for New Installations
- Repair of Existing Ones

\$3.06

Components include: 3-3' mast sections, 100' of 300 ohm twin-line, lightning arrestor, 5 stand-offs, 20' ground wire.

A29DX635 Ship. wt. 7 3/4 lbs. Net 3.06

Archer Telescoping Mast Kits

- 25% Stronger
- Complete with Installation Accessories

\$8.02

20 FOOT TELESCOPING MAST—Heavy gauge, high carbon steel tubing. Interlocking sections which rest on heavy duty cotter supports. Installation accessories include: wire, guy wire, guy rings, and heavy duty base mount.

A29DX983 Ship. wt. 15 lbs. Net 8.02

30' Telescoping Mast Kit. As above.

A29DX984 Ship. wt. 20 lb. Net 14.04

40' Telescoping Mast Kit. As above.

A29DX985 Ship. wt. 33 lbs. Net 16.88

ANTENNA SETS

ALL-BAND DOUBLET ANTENNA KIT
A29D314 Net 4.26

75' RADIO AERIAL KIT
Has 7 x 26 Aerial wire, #16 lead-in wire.
A29D315 Ship. wt. 1 lb. Net 1.98

ALL-PURPOSE DOUBLET ANTENNA KIT
A29D316 Ship. wt. 1 lb. Net 3.72

BARKER FM ANTENNA
A29D327 Ship. wt. 1/2 lb. Net 1.29

MAST MOUNTS

A CHIMNEY MOUNTS
A29D476 Ship. wt. 1 lb. Net Pair 1.47

B BASE MOUNTS
A29D888 Ship. wt. 1 lb. Net .47

C A29D881 Adjustable Net Pair 2.70
A29D883 Fixed Net .47

D SNAP FIT VENT PIPE MOUNT
A29D478 Ship. wt. 1 lb. Net Set 1.59

WALL MOUNTS

ANTENNA MOUNTING ACCESSORIES

E WALL BRACKET COMBINATION
A29D886 Ship. wt. 1 lb. Net Set 2.65

F GALVANIZED STRAPPING
A29D877 Ship. wt. 1 lb. Net Hank .75

STAINLESS STEEL STRIPPING
A29D878 Ship. wt. 1 lb. Net Hank 1.65

G GROUND ROD
A29D890 Ship. wt. 1 lb. Net .75

SET OF 3 U-BOLTS
A29D873 Ship. wt. 1 lb. Net 3/72

SET OF 10 ANTENNA CLIPS
A29D200 Ship. wt. 1/2 lb. Net 10/98

WOOD SCREW DOUBLE STAND-OFF INSULATORS—Universal insert.
A29D850-6 3 1/2" Ship. wt. 1 lb. Net 6/84
A29D851-6 5 1/2" Ship. wt. 1 lb. Net 6/96

H WOOD SCREW SINGLE STAND-OFF
A29D853-6 3 1/2" Ship. wt. 1 lb. Net 6/18
A29D854-6 5 1/2" Ship. wt. 1 lb. Net 6/30

J HOT NAIL STAND-OFF INSULATOR
A29D862-6 Ship. wt. 1 lb. Net 6/54

K MAST SNAP-ON STAND-OFF STAINLESS STEEL—Has universal insert.
A29D859-6 3 1/2" Net 6/90
A29D860-6 5 1/2" Net 6/108

L STRANDED GUY WIRE—100 ft.
A29D871 4 strand Net 100 ft./62
A29D634 6 strand Net 100 ft./79

M GUY WIRE CLAMPS—Fit masts to 1 1/2" O.D.
A29D865-6 Ship. wt. 1 lb. Net 6/144

N GUY WIRE TURNBUCKLES—Galvanized
A29D867-6 7 3/4", 5 1/2" Net 6/162
A29D486-6 Ship. wt. 1 lb. Net 6/90

GUY WIRE HOOK—5 inches long
A29D870-6 Ship. wt. 1 lb. Net 6/72

GUY WIRE HOOK EYE—One inch thread
A29D867-6 Ship. wt. 1 lb. Net 6/18

LIGHTNING ARRESTORS
A29D911 Ship. wt. 1 lb. Net .44
A29D912 Ship. wt. 1 lb. Net .90

ARCHER**FAMOUS TV-FM ANTENNAS
UP TO 60% OFF!****New 'Golden Glory'
Deep Fringe Antenna**Up to
150 miles**\$19⁹⁵****GOLD CORROZED**

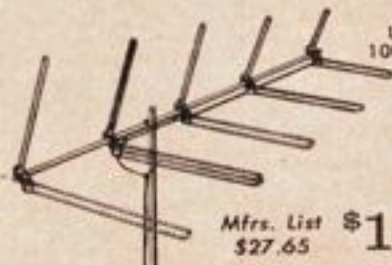
27 electrical elements produce high gain and higher front to back ratio on channels 2-13. Special design eliminates ghosts and co-channel interference. For color and black and white. "Snap-out" design for easy installation.

A29DX648 Ship. wt. 8½ lbs. Net 19.95
A29DX457 20' Telescoping Mast Kit, all installation accessories, "Glory" Antenna, Ship. wt. 25 lbs. Net 28.97
A29DX458 40' Telescoping Mast Kit as above, "Golden Glory" antenna. Ship. wt. 35 lbs. Net 37.83
A29DX459 20' Telescoping Mast Kit with AR22 rotor, "Golden Glory" antenna. Ship. wt. 52 lbs. Net 59.88
A29DX460 40' Telescoping Mast Kit, AR22 rotor, "Golden Glory" antenna. Ship. wt. 62 lbs. Net 69.97
A29DX649 Archer Glory—Aluminum Antenna. Wt. 8 lbs. List \$32.95. Net 16.95

**Save \$16! Archer
'Atlas' TV Antenna**Up to
125 miles**\$13⁹⁵****GOLD CORROZED**

Twin driven with 18 colinear elements which produce high gain and higher front to back ratio. 70" square boom and end caps. "Snap-out" design, rib reinforced brackets for simple permanent installation.

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A29DX461 20' Telescoping Mast Kit with Antenna. Wt. 30 lbs. \$5 Mo., Net 22.97
A29DX462 40' Telescoping Mast Kit with Antenna. Wt. 40 lbs. \$5 Mo., Net 31.83

**Super Fringe
Area TV Antenna**Up to
100 miles**Mfrs. List \$14²⁰
\$27.65**

Five folded dipoles for up to 125 mile range. Produces maximum reception in deepest fringe areas, extreme high gain, front to back ratio, perfect 300 ohm impedance match. Easy to assemble.

A29DX743 Wt. 12 lbs. \$5 Mo., Net 14.20
A29DX722 10' Mast, Antenna, Installation Kit. Ship. wt 20 lbs. \$5 Mo., Net 18.25
A29DX721 10' Mast Antenna Kit, AR22 Rotor. Ship. wt. 30 lbs. \$5 Mo., Net 39.95

ARCHER Antenna Accessory Kits

CHIMNEY MOUNT KIT—2-5 ft. steel masts, 50 ft. 300Ω wire, 50 ft. guy wire, chimney mount, 2 snap-ons, 4 guy hooks, ring and collar.
A29DX807 CM100 Wt. 6 lbs. Net 4.50

BASE MOUNT KIT
Complete kit described to right. With all angle base mount.
A29DX808 BM-150 Wt. 6 lbs. Net 3.91

**2-Bay, 16 Element
Conical Antenna**Mfrs. List
\$10.95**\$4⁷⁷**

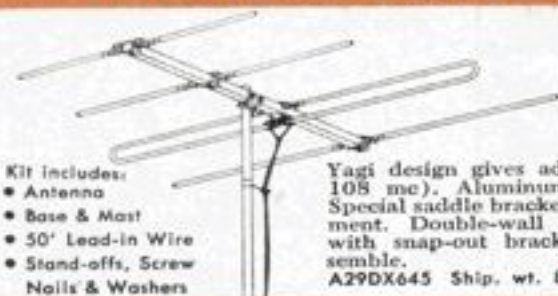
- Hi Frequency Elements
- All-Aluminum
- Weatherproof

Over 50% off! Ideal for fringe and primary locations. 16 true working electrical elements provide uniform response on VHF band. High gain stacking transformers maintain maximum signal transfer. Withstands severest weather. An unbeatable performer anytime, anywhere!
A29DX463 Ship. wt. 6 lbs. Net 4.77

**Save 60% Complete
Hi-Lo Antenna Kit**List
Price
\$14.95**\$5⁹⁵**

Huge savings on Hi-Lo antenna with all accessories for perfect installation. Aluminum, lightweight, durable, separately adjustable high and low band folded dipoles and reflectors. Antenna, 5' steel mast, 50' twin lead, all-angle-base mount, lightning arrester, 1 snap-on, 3 screw eyes.

A29DX995 Ship. wt. 7 lbs. Net 5.95
A29DX946 Hi-Lo Antenna alone. Net 4.54

ARCHER Deep Fringe FM Kit**\$9⁵⁹** Mfrs. List
\$19.95

- 4 Elements—Broad Band
- Long Distance FM Reception

- Kit includes:
- Antenna
 - Base & Mast
 - 50' Lead-in Wire
 - Stand-offs, Screw Nails & Washers

Yagi design gives additional gain on FM band (88 to 108 mc). Aluminum construction with square boom. Special saddle bracket allows permanent horizontal alignment. Double-wall reinforced elements preassembled with snap-out brackets. Kit is complete, easy to assemble.
A29DX645 Ship. wt. 8 lbs. Net 9.59

Complete 16 ELEMENT CONICAL KIT!

Mfrs. List \$16.25

**Expertly Engineered
Ruggedly Constructed
Never So Low in Price!**

Expertly engineered, ruggedly constructed kit complete with 16-element stacked conical antenna; lightning arrester, base mount; 5' aluminum mast; three screw eye stand-offs; two snap-ons; 50' guy wire; one guy ring. Assembly instructions also included. A fabulous price for this top performer.
A29DX464 Ship. wt. 8 lbs.

\$17⁹⁵**ARCHER****Non-Directional FM Kit****Turnstile Type. Never Needs Adjustment!**

Complete FM antenna kit, designed for reception over the full FM band—yet priced for real savings! The turnstile type antenna is highly sensitive to signals in all directions and eliminates the need for any special antenna orientation. It's easy to mount—can even be inverted and used in attic if you wish. Includes antenna; self-supporting base; 5' mast; stand-offs; 50' lead-in wire; 24" phasing harness; screw nails; neoprene washers, instructions.

A29DX646 Ship. wt. 6 lbs.

\$5⁷⁹ Mfrs. List
\$16.50

LOW COST, HIGH QUALITY TV ACCESSORIES!



A TV VOLTAGE REGULATOR: Maintains normal voltage on poorly regulated lines. Rated 300 watts, handles most requirements from 90 to 135 volts. Boosts 10 volts automatically when line is below 110 volts. Returns full height and width of picture affected by low line voltage. Increases set sensitivity. Turns on and off with TV set. Just plug in. Ship. wt. 1 lb.

A29D979 Model D-200.....Net 5.85



B TV INTERFERENCE ELIMINATORS and FILTERS: Shut out interference caused by diathermy, ham, local TV set signal sources, others transmitting spurious harmonics on low, high bands. Easy to attach.

| Cat. No. | J.F.D | Description | List | Net |
|----------|-------|--------------|------|------|
| A29D906 | WT26 | Chan. 2-6 | 4.50 | 2.65 |
| A29D907 | WT13 | Chan. 7-13 | 4.50 | 2.65 |
| A29D908 | HP50 | below 50 mc. | 4.50 | 2.70 |
| A29D909 | HP88 | 80-160 mc. | 5.95 | 3.57 |

C JERROLD "TRAP EASE" CHANNEL TRAP: Increases receiving range of your set, but doesn't affect local reception. Suppresses adjacent sound carrier approx. 50 db, enabling signal level of desired channel to control AGC action of receiver. Removes "beat" for strong, clear picture. Ship. wt. 1 lb.

A29D713 Type HQ91. Chan. 2-6. Net 11.97
A29D714 Type HQ92. Chan. 7-13. Net 11.97

D TELEMATIC TV TUBE BRIGHTENERS: Economical, versatile TV tube brighteners with electrostatic and magnetic C.R.T. Ship. wt. 1 lb.

| Cat. No. | Description | Net |
|----------|-----------------------|------|
| A29DX636 | 6-Wire Parallel | .89 |
| A29DX637 | 4-Way Universal | 1.50 |
| A29DX638 | 6-Wire Series | .93 |
| A29DX639 | kCA type, 4 in 1 | 1.09 |
| A29DX640 | Sylvania type, 4 in 1 | 1.09 |

USE RADIO SHACK'S EASY BUDGET PLAN



E TV 2 and 3 SET COUPLERS: No need to put up an antenna for each TV set. These tele-couplers will service 2 and 3 sets efficiently. Ship. wt. 1/2 lb.

| Cat. No. | Description | Net |
|----------|---------------------------|------|
| A94L891 | 2-Set | .59 |
| A29D903 | 2-Set | 1.71 |
| A29D888 | Amphenol 2-Set | 2.20 |
| A29D904 | 3-Set | 1.92 |
| A29D900 | 3-Position Antenna Switch | 2.30 |
| A29D897 | Outdoor 2-Set | 2.06 |
| A29D898 | Outdoor 3-Set | 2.35 |

F TUBE SAVER: A real money-saver—this tube saver! Extends the life of radio and TV tubes and stops costly breakdowns. Cushions all 100-275 watt, 117VAC equipment against starting-surge currents. Laboratory proven! Can also be used on juke boxes, PA systems, hi-fi, stereo, anything using tubes. Automatic—just plug in. Ship. wt. 1 lb.

A44N596 List 5.95.....Net 2.91

G JERROLD FM RANGE EXTENDER: Improves and extends reception of distant, weak, noisy FM stations. Connects simply between antenna and FM tuner or receiver. Covers full FM band width. High RF output increases antenna signal 18 times. Freq. resp.: ± 1 db across 88-108 mc bandwidth. Ship. wt. 5 lbs.

A29DX642 Type 406-A. FM. Indoor
.....\$5 Monthly, Net 38.55
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H BLONDER-TONGUE DAB-8 DISTRIBUTION AMPLIFIER: Provides better TV reception on 3 to 8 sets. Ideal for apartments, motels, showrooms. Requires no tuning or special accessories. Easy to install. Includes power supply, grounding clamps, solder lug, terminating resistors. Ship. wt. 8 lbs.

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BLONDER-TONGUE TV ANTENNA BOOSTER MODEL AB-2: Brings in brilliant TV reception even in most difficult weak signal or fringe areas. Ship wt. 9 lbs.

A29DX679.....\$5 Monthly, Net 32.40



Mosley

L MOSLEY WALL-THROUGH: Installs quickly, easily in walls up to 1 1/2" thick. Provides neat, low loss wall entrance for tubular, oval, flat transmission lines. Polystyrene cap and plate. Brown or ivory. Installs directly on Mosley socket, Type 343. Ship. wt. 1 lb.

A29D376 Type 625.....Net 1.21
A29D373-6 Type 343, Set of 6 Mosley TV Sockets.....Net 2.94

MOSLEY ROOF-THROUGH: Polystyrene feed-through bushing combined with 8"x9" copper flashing provides weather-proof roof entrance for TV lead-in and rotor cable. Easy to install. Wt. 1 lb.

A29D374 Type 624.....Net 3.62

M MOSLEY MALE PLUGS: Set of 6. Low loss, constant impedance 300 ohm. .095" pins, space 1/2" permits use with standard crystal holder socket and octal tube socket. Polystyrene body; phosphor bronze contact strips; plated brass pin and recessed set screws. Wt. 1 lb. Mates with A29D357-6 Mosley Type 311.

A29D356-6 Type 301.....Net 1.14

MOSLEY SOLDERLESS TRANSMISSION LINE SPLICERS: Handy, inexpensive splice for joining sections of standard 300 ohm transmission line. Use with above. Ship. wt. 1 lb.

A29D359-6 Set of 6, Type 27-5. Net .66

N MOSLEY FEMALE PLUGS: Set of 6. Low loss design. Meet UHF/VHF requirements. For use where mounted socket is not feasible. Molded polystyrene with phosphor bronze contact strips, plated brass pins, plated brass recessed set screws. Ship wt. 1 lb.

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O MOSLEY SINGLE FLUSH SOCKET: For TV or FM installation utilizing single 300 ohm lead-in without rotator. Now loss, constant impedance. Fits standard outlet box. Ivory or brown with mounting screws. Ship. wt. 1 lb.

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MULTIPLE TV LEAD-IN FLUSH SOCKETS: For TV installations where several separate lead-in lines must terminate at one socket location. Ship. wt. 1 lb.

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MULTIPLE LEAD-IN SOCKETS: Utilizes 2 lines (4 wires) for TV or FM. For UHF or VHF. Brown or ivory. Wt. 1 lb.

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MOSLEY SOCKET SWITCH: Single lead-in socket and 3-way TV antenna rotary switch. Brown or ivory. Wt. 1 lb.

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GUIDE TO MOBILE RADIO (Gernsbach)—General mobile radio systems, paging, dispatching, railroad and citizen's band. Mobile and base station operation, receivers and transmitters. For technicians, operators and engineers. 160 pages.

A42F352 Postpaid in USA..... 2.85

WORLD RADIO HANDBOOK — For broadcasting and TV. A year-round reference for listeners, radio clubs, station personnel, advertising agencies, etc. Contains 200 pages of valuable, accurate information about all TV and radio stations throughout the world. Find any station you want to listen to, or identify any station. Used by United Nations and many broadcasting organizations.

A42F210 Postpaid in USA..... 2.70

LICENSE MANUAL FOR RADIO OPERATORS (Rinehart)—Thorough explanation of all eight elements covered in the FCC study guide. Recommended for FCC commercial radio-telephone and radio-telegraph examinations. Illustrated question and answer text. Each chapter covers a different element. Appendix covers treaties, laws and regulations.

A42F119 Postpaid in USA..... 5.00

MARINE RADIO FOR PLEASURE CRAFT (Gernsbach)—Basic marine radio equipment information for weekend sailors. Covers theory, operation and maintenance of depth and direction finding equipment, etc. FCC rules.

A42F326 Postpaid in USA..... 2.95

RADIO OPERATOR'S Q & A MANUAL (Rider)—Up to date, question and answer and follow-through discussion on all fundamentals required for all kinds of commercial radio licenses. Gives complete understanding of questions and answers. Ideal for student. Illus. 736 pp.

A42F503 Postpaid in USA..... 6.96

MODEL RADIO-CONTROL (Gernsbach) — Remote control book dealing with planes, boats, autos. Covers coders, transmitting and receiving systems, decoders, servomotors, miniaturized, transistor and power control circuits. 192 pages.

A42F349 Postpaid in USA..... 2.65

RADIO-CONTROL HANDBOOK (Gernsbach)—Radio control of planes, boats, trucks, tractors, etc. Practical construction ideas and suggestions. 192 pages.

A42F341 Postpaid in USA..... 2.25

RADIO-TELEVISION ELECTRONIC DICTIONARY (Drake)—Over 3200 practical, detailed definitions of common technical words and phrases used in radio-television manufacturing and servicing, broadcasting, telecasting, and the communications industry. Illus. 300 pages.

A42F402 Postpaid in USA..... 3.75

CYCLOPEDIA OF RADIO AND ELECTRONICS (Drake)—A complete, easy to understand, reference-instruction book. Standard radio, high frequency and UHF, public address and sound, TV, tubes, applications. Covers acoustics, tuning, beam power tubes, biasing, electrolytic condensers, facsimile, load lines, oscillators of all types, oscilloscopes, resonators, rectifiers, etc. 822 pages.

A42F404 Postpaid in USA..... 4.50

MASTER RECEIVING-PICTURE TUBE SUBSTITUTION GUIDEBOOK (Rider)—Most complete, modern compilation of receiving and picture tube substitution information. 5100 American receiving tube, 825 American picture tube, and 325 European picture tube substitutions. Easy to use. Indicates qualities of substitutions. Gives instructions for wiring changes. A vital tool for anyone substituting tubes. 352 pages.

A42F516 Postpaid in USA..... 7.30

HOW TO INSTALL TV ANTENNAS (Rider)—For the TV installation man, technician, or student. Tells everything about TV antenna installation. Covers safety measures, erection of towers and masts, wind and ice loading problems, types of antennas and when to use them. How to do the job easily, quickly, economically. Illus.

A42F515 Postpaid in USA..... 2.45

HOW TO INSTALL & SERVICE AUTO RADIOS (2nd Edition) (Rider)—Up to date data on auto radio installation and servicing. Covers signal-seeking tuners, hybrid auto radios, transistor auto radios, printed circuit wiring, 12-volt series tube systems, 6-12V conversion. Covers installation, servicing, test instruments and many other areas.

A42F517 Postpaid in USA..... 3.18

RAPID TV REPAIR (Gernsbach)—Alphabetical listing of hundreds of TV troubles—symptoms and repair information. 224 pages.

A42F321 Postpaid in USA..... 2.90

TV—IT'S A CINCH (Gernsbach)—Conversational style with hundreds of drawings. Breeze thru TV theory. 224 pages.

A42F343 Postpaid in USA..... 2.90

RAPID RADIO REPAIR (Gernsbach)—Symptoms, troubles and repair techniques in alphabetical order for fast repair reference. Covers latest transistor sets, printed circuit repair, modular receivers, use of test instruments. 224 pages.

A42F353 Postpaid in USA..... 2.90

PRINTED CIRCUITS (Gernsbach)—History and construction of printed circuits. Making printed circuits in factory and workshop. Types, planning and designing boards, repairing, techniques and applications. 224 pages.

A42F355 Postpaid in USA..... 2.90

TRANSISTORS IN RADIO TELEVISION AND ELECTRONICS (McGraw-Hill) — A well rounded treatment of transistors that ranges from a complete explanation of the basic theory to information on transistor servicing. In addition to clear discussions of every type of transistor in modern use, book contains illustrations, diagrams, experiments. 423 pages.

A42F312 Postpaid in USA..... 7.79

UNDERSTANDING RADIO (McGraw-Hill)—A clear, practical presentation of radio theory for the beginner. Gives a basic understanding of electrical and radio fundamentals. All necessary introductory physics, mathematics incorporated.

A42F309 Postpaid in USA..... 8.08

RADIO RECEIVER SERVICING (Sams)—Includes chapter on servicing printed circuits and transistor radios. A down to earth book on how to repair radios and make money.

A42F161 Postpaid in USA..... 2.95

PRINTED CIRCUIT DIAGNOSIS MADE EASY (Sams)—Tells how to diagnose trouble with a schematic. Cuts out the time consuming chore of circuit tracing to find trouble. Diagnose trouble with a schematic and board illustration, and Howard R. Sams "CircuitTrace"®. 64 pages.

A42F162 Postpaid in USA..... 1.00

ABC'S OF TRANSISTORS—(Sams)—Explains the transistor in practical language for the radio-TV service man. Gives an understanding of the function of the transistor. Covers transistor fundamentals, construction, circuits, amplifiers, oscillators, use and testing.

A42F154 Postpaid in USA..... 1.25

TELEVISION SERVICING FOR RADIO MEN (Drake)—Assumes the user is familiar with the elementary principles of radio, AM receiver servicing and service equipment. Considers TV circuits and designs. TV picture, signal, detector and amplifier alignment, etc. 435 pages.

A42F405 Postpaid in USA..... 3.00

TV AND RADIO HANDBOOK (Coyne)—Lists formulas, charts, circuits, emergency repair data, definitions and designs, other aids to the radioman. Has chapters on mathematics, circuits, capacitors, amplifiers, meters, etc. Illus. 355 p.

A42F130 Postpaid in USA..... 2.75

SERVICING TRANSISTOR RADIOS (Gernsbach)—Covers servicing problems met in repairing transistor and miniature equipment, printed circuits, care and handling of transistors. Useful charts. 224 p.

A42F351 Postpaid in USA..... 2.90

SERVICING RECORD CHANGERS (Gernsbach)—Source of profit for the service man. Detailed drawings show how to make repairs.

A42F322 Postpaid in USA..... 2.90

TV AND RADIO TUBE TROUBLES (Gernsbach)—Service TV and radio receivers by understanding tube troubles. How to recognize symptoms quickly. 224 pages.

A42F323 Postpaid in USA..... 2.90



COYNE PIN POINT TROUBLE SHOOTING SERIES —Shows how to find the trouble in any TV, record-changer, or transistor circuit fast. Tells where to find causes of trouble, then locate the exact trouble spot. Cut waste time, get right to the heart of the trouble in 10 minutes. For on the job use.

| Car. No. | Title | Net |
|----------|-----------------------------------|------|
| A42F132 | Pin Point Transistor Troubles | 5.95 |
| A42F128 | Pin Point TV Troubles | 3.95 |
| A42F133 | Pin Point Record Changer Troubles | 3.95 |
| A42F134 | Pin Point Color TV Troubles | 5.95 |

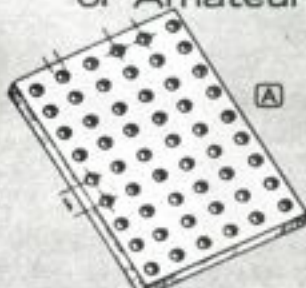
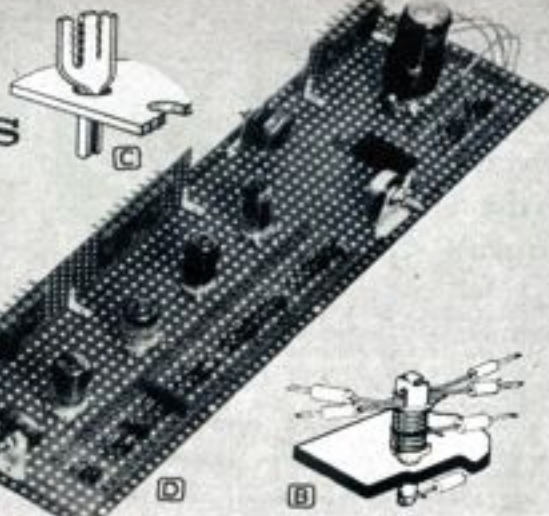
All postpaid in U.S.A.

You Can Add-On To Your Radio Shack Budget Account At Any Time. Details On Page 3

RADIO SHACK • 129

VECTOR Breadboards

for Professional
or Amateur Use



VECTORBOARD

A Here is the ideal terminal board for transistorized amplifiers, test equipment, and miniature circuitry as well as vacuum tube applications. This pre-punched material is especially designed for use with Vector's Springclip and Push-in terminals as well as many other standard electronic and hardware items. The uniform accurate rectangular hole pattern assures neat layout of circuit components. Pre-punching means that the hobbyist needs no special equipment to achieve professional uniformity and accuracy. The material is punched with $\frac{3}{32}$ " holes on .265" centers. Material is XXXP phenolic Vectorboard can be cut easily to any desired size or broken along the hole pattern for rough sizing. Three standard board sizes are available in $\frac{3}{32}$ " thickness, and one of these is also available in $\frac{1}{16}$ " (02J617).

PUSH IN TERMINALS

B SPRINGCLIPS—Positive electrical contact in breadboard circuits for up to 6 separate lead wires *without soldering!* The Vector Springclip slips snugly into any $\frac{3}{32}$ " hole and is ready to use immediately. Spring holds leads in slot in main body of Springclip. No soldering means no heat damage to components and no cutting leads when changing circuits. Terminals need not be staked to boards. Contact resistance is less than .002 ohm.

C TYPES T9.4 and T9.6—Each terminal has serrated slots to grip inserted wires. Large slot accommodates most resistor and capacitor leads, small slot holds transistor leads. The T9.6 also has a special slot for diodes. Both types have thru-shank construction, enabling wires to be inserted through the center of the terminal, and slotted shank end for additional connections. Fits snugly in $\frac{3}{32}$ " hole—no staking required.

A02J618 T9.4.....bag of 100, Net 1.25
A02J619 T9.6.....bag of 100, Net 2.10

TYPE T28 Miniature terminal for use where T9.4 or T9.6 might be too large. Requires .062" hole. Using upper and lower portions, as many as six leads may be connected. Serrations in main slot will grip small component leads including transistor leads. No staking needed for breadboard installations.

A02J620 T30.....bag of 100, Net 1.55

Here is a really fast way to build experimental and breadboard circuits. Complete kits furnish the experimenter with terminal board, mounting channels, and all the hardware needed to assemble a wide variety of electronic circuits. The heart of these kits is the Push-in terminal, which springs into place in any location on the pre-punched terminal board and accommodates several lead wires on both sides of the board. Vectorboard provides a pre-punched terminal board which gives an unlimited choice of terminal locations. The combination of Push-in terminals and Vectorboard allows the circuit designer virtually complete freedom to build and change layouts, since either the leads or the terminals may be re-located easily when changes to the circuit are desired. Soldering to the Push-in terminals is not required for temporary circuits and only the most simple hand tools are needed for the assembly of the kits.

KIT 20-X Sampler Kit. A basic chassis for simple circuits—includes $4\frac{1}{4}$ "x $8\frac{1}{2}$ " deck, aluminum channel supports, 70 Push-in terminals, 2 pot brackets, 2 octal, 2 9-pin, and 2 7-pin, miniature sockets plus assorted hardware.
A02J547 20-X.....Net 6.25

**KIT 21-X—An elaborate chassis for vacuum tube circuits—includes $4\frac{1}{4}$ "x 17 " deck, support channels, 6 9-pin, 6 miniature, and 2 octal sockets, 140 Push-in terminals, necessary hardware.
A02J 21-X.....Net 15.25**

KIT 22-X Transistor Chassis Kit. This kit provides a complete chassis for miniaturized transistor circuits including 8 transistor sockets, $4\frac{1}{4}$ "x $8\frac{1}{2}$ " deck, mounting channels, miscellaneous smaller punched strips, 4 pot brackets, single and tandem Push-in terminals, strapping buss strips and hardware.
A02J549 22-X.....Net 10.50

KIT 25-X Solderless Circuit Set-up System. Springclips are featured in this kit to give the most versatile and convenient of the chassis kits. These terminals have large lead holding capacity and assure positive contact *without soldering.* Contains $8\frac{1}{2}$ "x 17 " deck, supporting channels, 100 Springclips, 4 pot-switch brackets, 100 Push-in terminals, 50 ft. tinned copper wire, 20 ft. push back wire, 8 16-inch buss wire strips, misc. pieces of Vectorboard, plus all required hardware.
A02J613 25-X.....Net 19.50

| Cat. No. | Type | Thickness In. | Width In. | Length In. | Net |
|----------|--------|----------------|-----------------|------------|------|
| A02J614 | 64AA18 | $\frac{3}{32}$ | $4\frac{1}{16}$ | 17.1 | 1.60 |
| A02J615 | 32AA18 | $\frac{3}{32}$ | $4\frac{1}{16}$ | 8.5 | .84 |
| A02J616 | 32AA9 | $\frac{3}{32}$ | $2\frac{1}{16}$ | 8.5 | .60 |
| A02J617 | 64A18 | $\frac{1}{16}$ | $4\frac{1}{16}$ | 17.1 | 1.25 |

No Minimum Order
Necessary
For Radio Shack's
Easy Budget Plan!

See Page 3 for full details!

CORNING Fotoceram Grid Boards

Makes Professional Printed Circuits
In Just 15 Minutes!



Achieve professional accuracy and quality. Corning Grid Boards make old fashioned wiring a thing of the past. These high-quality boards are ideal for all miniaturized and transistor circuits—an entire radio can be built on one 3" x 5" card. You get the freedom to use one- or two-sided circuit designs. And... pre-punched holes mean that high cost equipment isn't needed.

Corning has pre-punched its Fotoceram boards with holes on a 0.1" grid, then completely copper plated the boards. Individual components can be soldered, removed and resoldered up to 50 times without circuit failure. It is virtually impossible to peel the plated copper off Grid Boards. To make circuits, simply apply etch resist tape to the board in the desired pattern. Etch away the excess copper, rinse, and the board is ready for use. Through-hole plating means eyelets are not needed. .052±.005" diameter holes will accept all standard component leads, hole pattern is ideal for almost every component. Fotoceram Grid Boards can be cut to shape with a simple glass cutter. Corning Fotoceram Grid Boards are your short cut to better circuits.

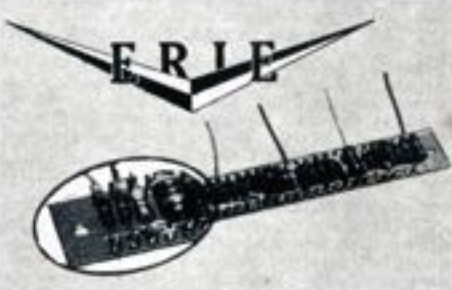
A16J491 3" x 5" sizeNet 3.95

A16J492 6" x 8" sizeNet 11.25

ETCH RESIST TAPE

Will resist all etching solutions to retain printed circuitry on Corning Grid Boards or other printed circuit materials. Kit includes 9"x $\frac{1}{4}$ " strips plus 45 $\frac{3}{16}$ " dia. circles for forming solder pads and protecting through-hole plating.

A16J494.....Net .75



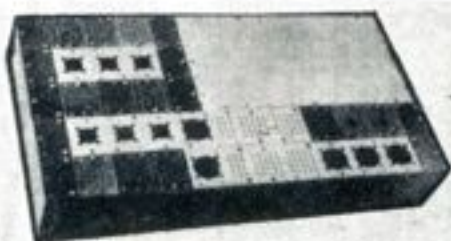
ERIE Terminal Strips

Now you can build professional-looking circuits on terminal boards. Components are soldered between parallel terminal strips giving uniform placement of components. The result is circuitry which is attractive and easy to trace. Terminals are always on the outside, easy to reach for soldering. This flexible system can be adapted to a great variety of complex circuits. Terminals are .200" apart and the space between terminal strips is $\frac{3}{16}$ ". The terminal board material is XXXP phenolic.

| Cat. No. | Type | No. of Terminal Pairs | Net |
|----------|------------|-----------------------|-----|
| A02J635 | 3976-205-2 | 10 | .24 |
| A02J636 | 3976-205-3 | 15 | .30 |
| A02J637 | 3976-205-4 | 20 | .36 |
| A02J638 | 3976-205-5 | 25 | .48 |
| A02J639 | 3976-205-6 | 30 | .54 |

Seezak Professional Breadboard Equipment Priced For Hobbyists!

The parts listed below allow the construction of over 100 chassis ranging in size from 2"x4"x4" to 4"x17"x17". Each chassis consists of 2 pairs of interlocking rails which form the sides, and one or two panels which form the top and, if desired, the bottom plate of the completed chassis. All parts are aluminum stock, one gauge heavier than ordinary chassis, but the units cost little more. The rails, which interlock at the corners as shown, assemble without bolts or screws. Panels may be punched flat, components added, or, even wired before attaching it to the rails. Accessories include panel couplers for connecting two or more panels on one side of a set of rails, and rail connectors which are used to interlock two or more rails in a straight line for L and U shaped chassis. Table protective feet, and shield clips (for internal shielding with a rail 1" shorter than side rails) are also listed.



PANELS

| Cat. No. | Type | Size in inches | Net |
|----------|------|----------------|-----|
| A57H962 | P44 | 4 x 4 | .39 |
| A57H963 | P45 | 4 x 5 | .42 |
| A57H964 | P46 | 4 x 6 | .45 |
| A57H965 | P47 | 4 x 7 | .48 |
| A57H966 | P48 | 4 x 8 | .51 |
| A57H967 | P49 | 4 x 9 | .54 |
| A57H968 | P410 | 4 x 10 | .57 |
| A57H969 | P411 | 4 x 11 | .60 |
| A57H970 | P412 | 4 x 12 | .63 |
| A57H971 | P413 | 4 x 13 | .66 |
| A57H972 | P414 | 4 x 14 | .69 |
| A57H973 | P417 | 4 x 17 | .78 |
| A57H974 | P55 | 5 x 5 | .45 |
| A57H975 | P56 | 5 x 6 | .48 |
| A57H976 | P57 | 5 x 7 | .51 |
| A57H977 | P58 | 5 x 8 | .54 |
| A57H978 | P59 | 5 x 9 | .60 |
| A57H979 | P510 | 5 x 10 | .63 |
| A57H980 | P511 | 5 x 11 | .69 |
| A57H981 | P512 | 5 x 12 | .72 |
| A57H982 | P513 | 5 x 13 | .75 |
| A57H983 | P517 | 5 x 17 | .93 |
| A57H984 | P66 | 6 x 6 | .57 |
| A57H985 | P67 | 6 x 7 | .60 |
| A57H986 | P68 | 6 x 8 | .63 |
| A57H987 | P69 | 6 x 9 | .66 |
| A57H988 | P610 | 6 x 10 | .72 |
| A57H989 | P611 | 6 x 11 | .75 |
| A57H990 | P612 | 6 x 12 | .81 |
| A57H991 | P613 | 6 x 13 | .84 |
| A57H992 | P617 | 6 x 17 | .96 |

Seezak

Expandable Chassis

| Cat. No. | Type | Size in inches | Net |
|----------|-------|----------------|------|
| A57H993 | P77 | 7 x 7 | .72 |
| A57H994 | P78 | 7 x 8 | .75 |
| A57H995 | P79 | 7 x 9 | .78 |
| A57H996 | P710 | 7 x 10 | .81 |
| A57H997 | P711 | 7 x 11 | .84 |
| A57H998 | P712 | 7 x 12 | .87 |
| A57H999 | P713 | 7 x 13 | .93 |
| A57H256 | P717 | 7 x 17 | 1.17 |
| A57H257 | P88 | 8 x 8 | .84 |
| A57H258 | P89 | 8 x 9 | .90 |
| A57H259 | P810 | 8 x 10 | .96 |
| A57H260 | P811 | 8 x 11 | 1.02 |
| A57H261 | P812 | 8 x 12 | 1.08 |
| A57H262 | P816 | 8 x 16 | 1.32 |
| A57H263 | P817 | 8 x 17 | 1.38 |
| A57H264 | P913 | 9 x 13 | 1.23 |
| A57H265 | P917 | 9 x 17 | 1.47 |
| A57H266 | P1012 | 10 x 12 | 1.35 |
| A57H267 | P1014 | 10 x 14 | 1.50 |
| A57H268 | P1017 | 10 x 17 | 1.68 |
| A57H269 | P1117 | 11 x 17 | 2.01 |
| A57H270 | P1217 | 12 x 17 | 2.16 |
| A57H271 | P1317 | 13 x 17 | 2.37 |
| A57H272 | P1717 | 17 x 17 | 2.97 |

| Cat. No. | Type | Size in inches | Net |
|----------|------|----------------|------|
| A57H939 | R35 | 3 x 5 | .54 |
| A57H940 | R36 | 3 x 6 | .60 |
| A57H941 | R37 | 3 x 7 | .66 |
| A57H942 | R38 | 3 x 8 | .75 |
| A57H943 | R39 | 3 x 9 | .81 |
| A57H944 | R310 | 3 x 10 | .90 |
| A57H945 | R311 | 3 x 11 | .96 |
| A57H946 | R312 | 3 x 12 | 1.05 |
| A57H947 | R313 | 3 x 13 | 1.11 |
| A57H948 | R314 | 3 x 14 | 1.17 |
| A57H949 | R315 | 3 x 15 | 1.23 |
| A57H950 | R316 | 3 x 16 | 1.32 |
| A57H951 | R317 | 3 x 17 | 1.38 |
| A57H952 | R44 | 4 x 4 | .63 |
| A57H953 | R45 | 4 x 5 | .69 |
| A57H954 | R46 | 4 x 6 | .78 |
| A57H955 | R47 | 4 x 7 | .87 |
| A57H956 | R48 | 4 x 8 | .96 |
| A57H957 | R49 | 4 x 9 | 1.05 |
| A57H958 | R410 | 4 x 10 | 1.11 |
| A57H959 | R411 | 4 x 11 | 1.20 |
| A57H960 | R412 | 4 x 12 | 1.29 |
| A57H961 | R417 | 4 x 17 | 1.74 |

RAILS

| Cat. No. | Type | Size in inches | Net |
|----------|------|----------------|------|
| A57H924 | R24 | 2 x 4 | .39 |
| A57H925 | R25 | 2 x 5 | .45 |
| A57H926 | R26 | 2 x 6 | .48 |
| A57H927 | R27 | 2 x 7 | .51 |
| A57H928 | R28 | 2 x 8 | .57 |
| A57H929 | R29 | 2 x 9 | .63 |
| A57H930 | R210 | 2 x 10 | .69 |
| A57H931 | R211 | 2 x 11 | .72 |
| A57H932 | R212 | 2 x 12 | .78 |
| A57H933 | R213 | 2 x 13 | .81 |
| A57H934 | R214 | 2 x 14 | .90 |
| A57H935 | R215 | 2 x 15 | .93 |
| A57H936 | R216 | 2 x 16 | .99 |
| A57H937 | R217 | 2 x 17 | 1.05 |
| A57H938 | R34 | 3 x 4 | .48 |

ACCESSORIES

| Cat. No. | Type | Description | Net |
|----------|------|-------------------------------------|-----|
| A57H280 | PC16 | Panel Cpltr. 16" long (cut to size) | .39 |
| A57H281 | RF1 | Rail Feet | .45 |
| A57H282 | PT0 | Prototype Panel Plain | .30 |
| A57H283 | PT7 | Prototype Panel 7 Pin Socket | .35 |
| A57H284 | PT8 | Prototype Panel Octal Socket | .35 |
| A57H285 | PT9 | Prototype Panel 9 Pin Socket | .35 |
| A57H286 | RC2 | Rail Connector 2" deep | .12 |
| A57H287 | RC3 | Rail Connector 3" deep | .13 |
| A57H288 | RC4 | Rail Connector 4" deep | .18 |
| A57H289 | SC2 | Shield Clip 2" deep | .12 |
| A57H290 | SC3 | Shield Clip 3" deep | .13 |
| A57H291 | SC4 | Shield Clip 4" deep | .21 |

Seezak Circuit Assembler Breadboard Equipment

The key to Seezak usefulness is the addition of circuit assembler breadboard components. These units make it possible for components to be added or removed, for module assemblies to be constructed, and to test units which have been nearly completed before final assembly. The 2" wide end brackets, and two body angles combine to form a 17" long self-supporting unit. The 2" wide mounting plates and pegboard plates then fasten, with self-tapping screws, to the top of this assembly. The terminals, which push into the pegboards, may be soldered at either end, then removed when the job is finished.

| Cat. No. | Type | Description | Net |
|----------|--------|---|-----------|
| A57H900 | BA-16 | Body Angle | .39 |
| A57H901 | EB-23 | End Bracket | Pair 1.80 |
| A57H902 | LP-10 | Pegboard Lead-in Plate, 1 1/2 x 2" | .24 |
| A57H903 | MMP-43 | Mtg. Plate for 2" meter, 4x3" | .54 |
| A57H904 | MMP-44 | Mtg. Plate for 3" meter, 4x4" | .57 |
| A57H905 | MP-8 | 1x2" punched mtg. plate | .24 |
| A57H906 | MP-12 | 1 1/2 x 2" punched mtg. plate | .24 |
| A57H907 | MPT-12 | 7 or 9 pin tube socket mtg. plate | .24 |
| A57H908 | MUP-3 | 1 1/2 x 2" pegboard with 3/4" mtg. hole | .24 |
| A57H909 | MUP-4 | Same as above with 1/2" hole | .24 |
| A57H910 | OTP-12 | 1 1/2 x 2" octal tube socket mtg. plate | .24 |
| A57H911 | PB-1 | Angle Brackets for potentiometer mtg. plate | .25 |
| A57H912 | RA-2 | Rack adapter | .35 |

STARTER KIT

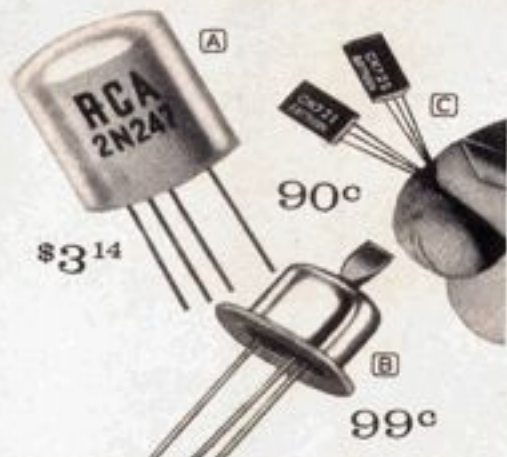
This kit is an assortment of Circuit Assembler components selected to build a 4x17" unit. Parts are shown in the expandable chassis illustration.

A57H273 Starter Kit \$2 Down, Net 16.98



| Cat. No. | Type | Description | Net |
|----------|-----------|--|--------------|
| A57H913 | RMS-10-32 | 10-32 Rack mount screws | 20 for .30 |
| A57H914 | RF-4 | Rubber feet | 20 for .39 |
| A57H915 | SB-1 | Switch mounting angle bracket | .25 |
| A57H916 | SS-4-40 | No. 4 self tapping screws | 100 for .90 |
| A57H917 | SN-4-40 | No. 4 self tapping nuts | 100 for 1.80 |
| A57H918 | TB-12 | 1 1/2 x 2" formica pegboard | .24 |
| A57H919 | VTB-65 | Vert. 1 1/2 x 4" pegboard, angle mtg. brackets | .60 |
| A57H920 | SO-3 | Seezak Stand Off | 30 for 1.80 |
| A57H292 | T-100 | Silver Plate push-in, pull-out terminals | 100 for 4.50 |
| A57H293 | K-Konc | Tin Plate as above | 100 for 1.38 |
| A57H921 | PGB-47 | 4x7" punched pegboard | 1.38 |
| A57H922 | PGB-412 | 4x12" punched pegboard | 1.77 |
| A57H923 | PGB-417 | 4x17" punched pegboard | 2.10 |

Low Cost RF-IF Transistors for Hobbyists



RCA High Frequency Transistors

(A) High frequency germanium drift transistors. Perfect for RF amplifiers. **SPECIFICATIONS:** 2N247: Power dissip. 80 mw, cut off freq. 30 mc, collector break down volts 35V, max. coll. current 10 ma, gain 37 db. 2N274: As above but gain 45 db. 2N384: 120 mw power dissip., cut off freq. 100 mc, break down volts 30V, current 10 ma, gain 34 db.

A38E248 2N247Net 3.14
A39E688 2N384Net 3.30
A39E724 2N274Net 2.48

GE Low Cost Transistors

(B) Low voltage, high frequency transistors for low cost radio and audio equipment. For any general purpose circuit.

SPECIFICATIONS: 2N107: PNP max coll. voltage 12V, max coll. current 10 ma, max freq. 1 mc. 2N170: NPN max coll. voltage 6V, max coll. current 20 ma, max power 20 mw, max freq. 5 mc.

A38E428 2N107Net .99
A38E149 2N170Net 1.27

Famous Raytheon Transistors

(C) Original general purpose, PNP hobbyist transistors. CK721, CK722 for audio use. CK768 is for RF and IF use. **SPECIFICATIONS:** CK721: Dissipation 180 mw, breakdown voltage 15 V, max collector current 10 ma, gain 41 db. CK722: Same as CK721 except breakdown volt-

age 22 V, gain 39 db. CK768: Dissipation 150 mw, breakdown voltage 15 V, max collector current 100 ma, cut off frequency 2.5 mc, gain 27 db.

A38E387 CK722Net .90
A39E386 CK721Net 2.40
A38E606 CK768Net 1.50



GENERAL ELECTRIC TRANSISTORS—Selected low cost, high quality transistors for the hobbyist and ham. For all audio uses including transistor

radios, hi-fi amplifiers and pre-amplifiers, and battery operated test equipment.

| Cat. No. | Type | Pc Max. Dissip. MW | Vc Max. Coll. Volts | Ic Max. Coll. MA | AC Curr. Gain | Fab. Cut-off MC | Application | Net |
|----------|--------|--------------------|---------------------|------------------|---------------|-----------------|--------------------------|------|
| A38E782 | 2N169A | 65 | 25 | 20 | 72 | 9 | NPN—High voltage IF Amp. | 2.40 |
| A38E337 | 2N186A | 200 | 25 | 200 | 24 | .8 | PNP—Audio Output | 1.95 |
| A38E488 | 2N187A | 200 | 25 | 300 | 36 | 1 | PNP—Audio Output | 1.50 |
| A38E492 | 2N188A | 200 | 25 | 200 | 54 | 1.2 | PNP—Audio Output | 1.64 |
| A39E740 | 2N265 | 75 | 25 | 50 | 110 | 1.5 | PNP—Audio | 1.87 |
| A39E025 | 2N320 | 240 | 20 | 200 | 48 | 2.5 | PNP—Audio Output | 1.71 |
| A39E026 | 2N321 | 240 | 20 | 200 | 48 | 3 | PNP—Audio Output | 1.80 |
| A39E027 | 2N322 | 140 | 16 | 100 | 70 | 2 | PNP—Audio | 1.44 |
| A39E028 | 2N323 | 140 | 16 | 100 | 90 | 2.5 | PNP—Audio | 1.64 |
| A39E029 | 2N324 | 140 | 16 | 100 | 80 | 3 | PNP—Audio | 1.78 |
| A39E755 | 2N508 | 140 | 16 | 100 | 125 | 3.5 | PNP—Audio | 1.87 |

GENERAL TRANSISTORS—These high quality, low cost transistors have been chosen by Radio Shack for the hobbyist and ham. For use in radio and

communications receivers as economy-priced quality components.

| Cat. No. | Type | Pc Max. Dissip. MW | Vc Max. Coll. Volts | Ic Max. Coll. MA | AC Curr. Gain | Fab. Cut-off MC | Application | Net |
|----------|---------|--------------------|---------------------|------------------|---------------|-----------------|---------------------|------|
| A39E207 | GT-75 | 125 | 25 | 100 | 150 | — | PNP—Audio | 2.20 |
| A39E208 | GT-81 | 125 | 25 | 100 | 75 | — | PNP—Audio | 1.65 |
| A39E210 | GT-82 | 125 | 25 | 100 | 150 | — | PNP—Audio | 1.80 |
| A39E003 | GT-222 | 125 | 12 | 100 | 20 | — | PNP—Audio | .75 |
| A39E216 | GT-229 | 100 | 10 | 200 | 10 | — | NPN—General Purpose | .75 |
| A39E004 | GT-760R | 90 | 10 | 100 | 40 | 5 | PNP—RF-IF | 2.70 |

RCA TRANSISTORS—Low frequency power output types. Excellent for audio amplifier use as well

as in power suppliers, lamp flashers, etc. See page 135 for RCA's book on the 2N307.

| Cat. No. | Type | Pc Max. Dissip. MW | Vc Max. Coll. Volts | Ic Max. Coll. MA | AC Curr. Gain | Fab. Cut-off MC | Application | Net |
|----------|-------|--------------------|---------------------|------------------|---------------|-----------------|---------------------|------|
| A39E903 | 2N176 | 10W | 40 | 3A | 35.5 | — | PNP—Power Amplifier | 3.05 |
| A38E720 | 2N217 | 150 | 20 | 70 | 30 | — | PNP—Amplifier | 1.55 |
| A38E865 | 2N270 | 250 | 25 | 150 | 32 | — | PNP—Amplifier | 1.62 |
| A38E866 | 2N301 | 11W | 40 | 3A | 30 | — | PNP—Power Amplifier | 3.00 |
| A39E917 | 2N307 | 10W | 35 | 1A | — | 3 Ic | PNP—High Power | 1.49 |
| A39E915 | 2N456 | 50W | 40 | 5A | 30 | — | PNP—Power Amplifier | 3.63 |

SYLVANIA TRANSISTORS—High performance transistors selected for the hobbyist and ham. Spe-

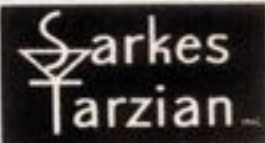
cific circuits using these transistors are shown in Sylvania's Transistor Circuits Book on page 135.

| Cat. No. | Type | Pc Max. Dissip. MW | Vc Max. Coll. Volts | Ic Max. Coll. MA | AC Curr. Gain | Fab. Cut-off MC | Application | Net |
|----------|--------|--------------------|---------------------|------------------|---------------|-----------------|-------------|------|
| A38E747 | 2N34 | 150 | 40 | 100 | 37 | .4 | PNP—Audio | 3.36 |
| A38E759 | 2N35 | 150 | 40 | 100 | 38 | .8 | NPN—Audio | 1.18 |
| A40E326 | 2N255 | — | 15 | 3A | — | — | PNP—Power | 1.35 |
| A40E327 | 2N1264 | 50 | 20 | 100 | 18 | 3 | PNP—IF-RF | .64 |
| A40E328 | 2N1265 | 50 | 10 | 100 | 37 | 1 | PNP—IF | .64 |
| A40E329 | 2N1266 | 80 | 10 | — | 20 | 1 | PNP—IF | .64 |

NOTICE!

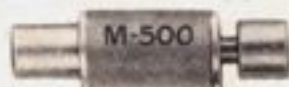
CATALOG PRICES: prices shown are net cash, and the lowest in effect at press time. We reserve the right to change prices without notice, due to increases in cost or suggested re-sale prices or other conditions beyond our control — whether the change is a decrease or increase.

Selected Silicon and Germanium Rectifiers/Diodes



Miniature Replacement Rectifiers

\$1.47



- Higher efficiency
- Greater reliability
- Miniature size
- Clip-in style

SARKES TARZIAN TYPE M500 (40M) MINIATURIZED SILICON RECTIFIERS—These small clip-in silicon rectifiers are perfect for TV replacement and miniature equipment. Lower voltage drop (only 2 V) results in increased B+, more drive and sweep voltage, and more anode voltage on picture tube for greater clarity. Maximum ratings: AC input 130 V, peak inv. 400 V, DC current 500 ma, peak current 5000 ma. Ship. wt. 6 oz.

- A40E401 S-T40M (M500)..... 1.47
- MOUNTING FOR SARKES TARZIAN M-500
- A40E402 099065 for 2 M-500..... .14
- A40E403 099067 for 1 M-500..... .07

TYPE M-500 CONVERSION KIT—For use in any equipment now using selenium or full wave vacuum tube rectifiers. Allows conversion to silicon rectifiers resulting in higher efficiency, comparative freedom from breakdowns. Excellent for modernizing old TV and electronic equipment. Clip-in and out like fuses. Kit includes 2-M500 silicon rectifiers, dual mounting clip, and all hardware. $\frac{3}{4}$ " x $1\frac{1}{16}$ " x 1". Ship. wt. 8 oz.

- A40E400 S-T Con Kit..... 3.76
- TYPE M-150 MINIATURE SILICON RECTIFIERS**—Clip-in style—same physical size as M-500. Ratings: dc amps 0.15, PIV 360, max. rms volts 260, max. recurrent peak amps 1.5, max. amps surge 4MS 20 amps.
- A40E417 M-15090



GENERAL ELECTRIC SILICON CONTROLLED RECTIFIER \$6.75 and up

- Switching applications
- For power control



A TYPE C10—A three junction semiconductor device requiring blocking voltages up to 400 volts. Replaces thyratrons, ignitrons, magnetic amplifiers, power transistors, relays, contactors, circuit breakers. See p. 135 for handbook.

| Cat. No. | Type | PIV | Amps | Net |
|----------|------|-----|------|-------|
| A39E569 | C10 | 25 | 4.7 | 6.75 |
| A39E570 | C11F | 50 | 4.7 | 8.25 |
| A39E571 | C11A | 100 | 4.7 | 11.25 |

INTERNATIONAL RECTIFIER

Unistoc TV-500

Universal replacement rectifier for all existing selenium stacks. Features forward current ratings to 750 ma @ 130 volts dc, to cover current requirements of TV sets having higher than 500 ma rectification needs. Replaces rectifiers in various color TV models, as well as numerous other receivers. Silicon diode mounted on finned convection cooler. 2-TV500 in 2 half-wave voltage doubler circuit will deliver 750 ma @ 240 volts dc.

- A40E189 TV-500 2.95

Silicon Diodes SD91 Thru SD95

Low cost silicon power supply rectifiers. Rectified dc output 550 ma at 50°C, 300 ma at 100°C. Ambient operating temp. -65°C to +125°C. Max. surge current 10 amps. Max. operating freq. 50 kc. Max. dc forward voltage drop @ 25°C 1.5 volts @ 550 ma dc. Min. series resistance 6.8 ohms.

| Cat. No. | Type | PIV | Input rms v | Continuous dc voltage | Max. Leakage Current ma | Net |
|----------|------|-----|-------------|-----------------------|-------------------------|------|
| A39E046 | SD91 | 100 | 70 | 100 | 1.0 | .65 |
| A39E047 | SD92 | 200 | 140 | 200 | 1.0 | .80 |
| A39E048 | SD93 | 300 | 210 | 300 | 1.0 | 1.02 |
| A39E049 | SD94 | 400 | 280 | 400 | 0.80 | 1.25 |
| A39E050 | SD95 | 500 | 350 | 500 | 0.65 | 2.11 |

Zener Diodes

For voltage regulation. Operating temperature to +165°C. Rated 750 mw.

| Cat. No. | Ge Type | Int'l. Type | Zener Volt. Range | Iz Max. ma. | Dynamic Res. Zz @ Iz ohms | Net |
|----------|---------|-------------|-------------------|-------------|---------------------------|---------|
| A38E041 | 1N1507 | MZ 3.9 | 3.6-4.3 | 180 | 1.4 | 35 4.35 |
| A38E042 | 1N1508 | MZ 4.7 | 4.3-5.1 | 150 | 1.2 | 30 4.35 |
| A38E043 | 1N1509 | MZ 5.6 | 5.1-6.2 | 130 | 1.5 | 26 3.65 |
| A38E044 | 1N1510 | MZ 6.8 | 6.2-7.5 | 110 | 1.5 | 22 3.65 |
| A38E045 | 1N1511 | MZ 8.2 | 7.5-9.1 | 90 | 1.5 | 18 3.65 |
| A38E046 | 1N1512 | MZ 10 | 9.1-11 | 75 | 1.8 | 15 3.65 |
| A38E047 | 1N1513 | MZ 12 | 11-13 | 40 | 2.8 | 12 3.65 |
| A38E048 | 1N1514 | MZ 15 | 13-16 | 50 | 5 | 10 3.65 |
| A38E049 | 1N1515 | MZ 18 | 16-20 | 40 | 9 | 8 3.65 |
| A38E050 | 1N1516 | MZ 22 | 20-24 | 33 | 19 | 6 3.65 |
| A38E051 | 1N1517 | MZ 27 | 24-30 | 26 | 50 | 5 3.65 |

Note: Data sheet showing individual characteristics of each Zener diode included with each unit.

Miniature General-Purpose Germanium Diodes

| Cat. No. | Type | Min. Fwd. Current at +1V (ma) | Max. DC Inverse Voltage | Net |
|----------|-------|-------------------------------|-------------------------|------|
| A39E818 | 1N34 | 5.0 | 60 | .60 |
| A39E819 | 1N34A | 5.0 | 60 | .60 |
| A39E820 | 1N48 | 4.0 | 70 | .69 |
| A39E821 | 1N51 | 4.0 | 30 | .51 |
| A39E822 | 1N52 | 4.0 | 70 | .61 |
| A39E823 | 1N54 | 5.0 | 60 | .93 |
| A39E824 | 1N54A | 5.0 | 60 | 1.20 |
| A39E825 | 1N57 | 4.0 | 80 | 1.08 |
| A39E826 | 1N60 | 6.0 | 40 | .40 |
| A39E827 | 1N64 | 5.0 | 25 | .40 |
| A39E828 | 1N65 | 2.5 | 70 | .62 |
| A39E829 | 1N70 | 3.0 | 100 | 1.30 |
| A39E830 | 1N81 | 3.0 | 40 | 1.37 |
| A39E831 | 1N87 | 4.0 | 30 | .51 |
| A39E832 | 1N87G | 4.0 | 30 | .51 |

GENERAL ELECTRIC

Types 1N91 to 1N93 Germanium Rectifiers

Famous G.E. germanium rectifiers ideal for all low power rectification. High efficiency, low forward drop, and rugged construction assure continued top performance. Operate up to 50 ke, -65°C to +95°C.

| Cat. No. | Type | PIV | Max. rms | Max. Rev. dc volts | Max. dc out | Max. volt drop | Net |
|----------|------|-----|----------|--------------------|-------------|----------------|------|
| A38E520 | 1N91 | 100 | 70 | 65 | 150 | .22 | .85 |
| A38E521 | 1N92 | 200 | 140 | 95 | 100 | .19 | 1.95 |
| A38E522 | 1N93 | 300 | 210 | 125 | 75 | .18 | 2.70 |

Low Cost Silicon Rectifiers

These alloy junction silicon rectifiers are designed for general purpose applications requiring maximum economy. These rectifiers are hermetically sealed and will perform reliably within the operating specifications. Max. allowable dc output 250 ma @ 100°C, 600 ma @ 50°C. Max. allowable one cycle surge current 20 amps. Max. voltage drop 0.60 volts. Max. leakage current 0.5 ma @ rated PIV. Peak recurrent forward current 2.0 amps. Max. operating temperature 115°C.

| Cat. No. | Type | Max. Rev. dc volts | PIV | Max. rms | Net |
|----------|--------|--------------------|-----|----------|------|
| A39E543 | 1N1692 | 100 | 100 | 70 | .70 |
| A39E544 | 1N1693 | 200 | 200 | 140 | .95 |
| A39E545 | 1N1694 | 300 | 300 | 210 | 1.15 |
| A39E546 | 1N1695 | 400 | 400 | 280 | 1.30 |
| A39E547 | 1N1696 | 500 | 500 | 350 | 1.30 |
| A39E548 | 1N1697 | 600 | 600 | 420 | 2.25 |

SARKES TARZIAN

Type 2F4 Silicon Rectifier

200 ma dc, PIV 360 volts, max. rms 260 volts, max. recurrent peak 2 amps, max. surge 20 amps.

- A40E404 2F490

Type M Clip-in Silicon Rectifiers

Low cost rectifiers with ceramic bodies and polarized ferrules that fit standard fuse clips. Current range is 626 ma dc @ 100°C and 250 ma @ 150°C. Overall size: 1" x $\frac{1}{16}$ " dia. Max. recurrent peak 5 amps, max. surge 30 amps.

| Cat. No. | Type | PIV | Max. rms | Net |
|----------|------|-----|----------|------|
| A40E411 | 10M | 100 | 70 | 1.20 |
| A40E412 | 20M | 200 | 140 | 1.26 |
| A40E413 | 30M | 300 | 210 | 1.35 |
| A40E401 | 40M | 400 | 280 | 1.47 |
| A40E414 | 50M | 500 | 350 | 1.65 |
| A40E415 | 60M | 600 | 420 | 2.00 |

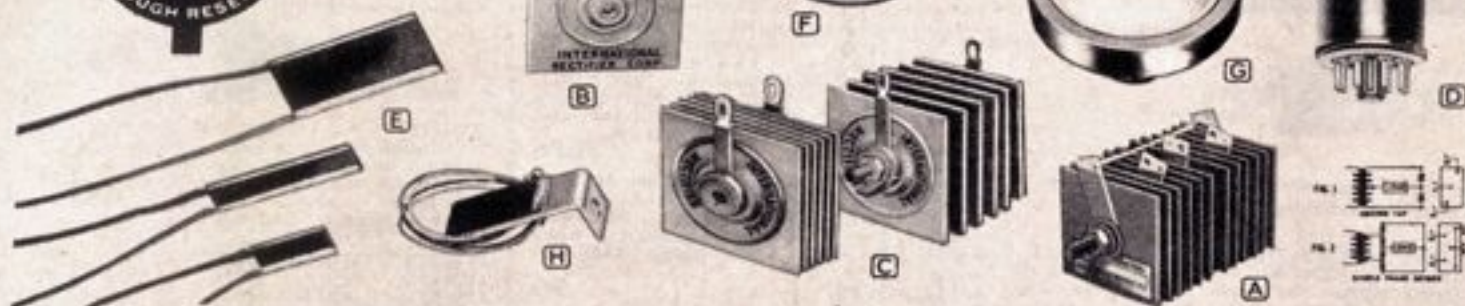
Type "H" Silicon Rectifiers

Top-hat style—overall dimensions $\frac{1}{16}$ " x $\frac{3}{8}$ " dia. Rated 750 ma dc, max recurrent peak 7.5 amps, max. surge 75 amps.

| Cat. No. | Type | PIV | Max. rms | Net |
|----------|------|-----|----------|------|
| A40E405 | 10H | 100 | 70 | 1.10 |
| A40E406 | 20H | 200 | 140 | 1.16 |
| A40E407 | 30H | 300 | 210 | 1.25 |
| A40E408 | 40H | 400 | 280 | 1.40 |
| A40E409 | 50H | 500 | 350 | 1.50 |
| A40E410 | 60H | 600 | 420 | 1.85 |



International Rectifier



High Current Selenium Rectifiers

(A) Where space and weight considerations are paramount, these High Current Density Rectifiers will deliver twice the rectified direct current output of standard selenium rectifiers.

| Cat. No. | Type | DC Volts | DC Amps | Max. Inp. AC Volts | Conn. Diag. Fig. | Dimensions Inches | Net |
|----------|--------|----------|---------|--------------------|------------------|-----------------------|-------|
| A40E000 | J14C04 | 0 | 0.4 | 36 | 1 | 1x1x1 1/2 | .71 |
| A40E001 | J14C1 | | 1.5 | 36 | 1 | 1 1/2 x 1 1/2 x 1 1/2 | 1.04 |
| A40E002 | J14C5 | 10 | 4.8 | 36 | 1 | 3x3x1 1/2 | 2.61 |
| A40E003 | J14C8 | | 8.4 | 36 | 1 | 4x4x1 1/2 | 3.67 |
| A40E004 | J14C17 | 14 | 17.0 | 36 | 1 | 6x5x2 1/2 | 5.66 |
| A40E005 | J29B04 | 0 | 0.4 | 36 | 2 | 1 1/2 x 1 1/2 x 1 1/2 | 1.17 |
| A40E006 | J29B1 | | 1.5 | 36 | 2 | 1 1/2 x 1 1/2 x 1 1/2 | 1.71 |
| A40E007 | J29B5 | 10 | 4.8 | 36 | 2 | 3x3x2 1/2 | 4.82 |
| A40E008 | J29B8 | | 8.4 | 36 | 2 | 4x4x2 1/2 | 6.70 |
| A40E009 | J29B17 | 29 | 17.0 | 36 | 2 | 6x5x3 1/2 | 9.95 |
| A40E010 | J58B04 | 0 | 0.4 | 72 | 2 | 1x1x2 1/2 | 2.33 |
| A40E011 | J58B1 | | 1.5 | 72 | 2 | 1 1/2 x 1 1/2 x 2 1/2 | 3.37 |
| A40E012 | J58B5 | 10 | 4.8 | 72 | 2 | 3x3x1 1/2 | 9.06 |
| A40E013 | J58B8 | | 8.4 | 72 | 2 | 4x4x1 1/2 | 12.56 |
| A40E014 | J58B17 | 58 | 17.0 | 72 | 2 | 6x5x5 1/2 | 19.89 |

International Rectifier Low Power Selenium

(B) Used for small power applications where low voltages are used. Ideal for bias sources, rectifying filament voltage, cadmium cell charging, etc.

FULL WAVE BRIDGE

| Cat. No. | Type | Max. DC MA | Max. Volts | Plate Size | Net |
|----------|------|------------|------------|------------|------|
| A40E016 | G1B | 100 | 25 | .67" sq. | .84 |
| A40E017 | G4B | 100 | 130 | .67" sq. | 1.56 |
| A40E018 | A1B | 180 | 25 | 1" sq. | 1.22 |
| A40E019 | B1B | 300 | 25 | 1.2" sq. | 1.28 |
| A40E020 | C1B | 600 | 25 | 1 1/2" sq. | 1.46 |
| A40E021 | M1B | 1200 | 25 | 2" sq. | 1.72 |

SINGLE PLATE HALF-WAVE RECTIFIERS

| | | | | | |
|---------|-----|-----|----|------------|-----|
| A40E022 | G1H | 65 | 25 | .67" sq. | .36 |
| A40E023 | A1H | 100 | 25 | 1" sq. | .38 |
| A40E024 | B1H | 150 | 25 | 1.2" sq. | .40 |
| A40E025 | C1H | 250 | 25 | 1 1/2" sq. | .42 |
| A40E026 | M1H | 500 | 25 | 2" sq. | .56 |

Radio-TV Replacement Selenium Rectifier

(C) All rated at 130 VAC, use standard mounting in set as unit they replace complete with mounting.

| Cat. No. | Type | Replaces Rectifiers Rated | Plate Size | Net |
|----------|-----------|---------------------------|------------|------|
| A40E191 | T065 | 75 ma | .67" sq. | .50 |
| A40E192 | T100 | 100 ma | 1" sq. | .70 |
| A40E193 | T150 | 150 ma | 1" sq. | 1.06 |
| A40E194 | T075-T150 | 75-150 ma | 1" sq. | .75 |
| A40E195 | T200-T300 | 150-300 ma | 1 1/4" sq. | 1.30 |
| A40E196 | T350-T400 | 300-400 ma | 1 1/2" sq. | 1.37 |
| A40E197 | T450-T500 | 400-500 ma | 1 1/2" sq. | 1.49 |
| A40E198 | T550-T650 | 500-650 ma | 2" sq. | 1.74 |

UNIVERSAL REPLACEMENT TYPES

| | | | | |
|---------|-------|--------|------------|------|
| A40E216 | MR300 | 10 300 | 1 1/2" sq. | 1.58 |
| A40E217 | RS350 | 10 350 | 2" sq. | 1.65 |
| A40E218 | RS400 | 10 400 | 2" sq. | 1.70 |
| A40E219 | MR500 | 10 500 | 2" sq. | 2.00 |

Sarkes-Tarzian 5U4 Silicon Replacement

(D) This low cost tube replacement features very long life, elimination of filament, cooler temperature and high ratings. Rated at 1100 max RMS volts, 600 DCMA max current device, plugs into an octal socket to replace following tubes—5AU4, 5AW4, 5A24, 5T4, 5U4, 5W4, 5Y4, 5Y3, 5Z4.
A40E416 Type S-5231.....Net 6.10

Silicon Solar Cells

(E) Similar in operation to Selenium photo cells, silicon cells provide a higher output per unit size and are rugged. Cells similar to these made by International Rectifier have powered transmitters in satellites. A type S1020B can provide 35 Ma into a 10 ohm load but is only 1 cm x 2 cm, and for military use even higher current can be achieved from the same size cells. A bank of these cells were mounted on an antique electric automobile and provided excellent use as long as the sun was shining. Combined with storage batteries they can provide continuous power, charging the batteries when the sun is out and allowing the batteries to carry the load at night. Output voltage and current shown is under strong sunlight at a load of approximately 10 ohms. (Note dimensions given in centimeters, 2.54 centimeters equals 1 inch.)

International Rectifier Silicon Solar Cells Unmounted with 6" Color Coded Leads

| Cat. No. | Type | Dimensions CM | Output Voltage @ | Output Current MA | Net |
|----------|----------|---------------|------------------|-------------------|------|
| A40E200 | S1020PL | 1 x 2 | .35 .4 | 17.5 | 3.40 |
| A40E201 | S1020APL | 1 x 2 | .4 | 26 | 3.45 |
| A40E202 | S1020BPL | 1 x 2 | .4 | 35 | 4.75 |
| A40E203 | S0520PL | 1/2 x 2 | .35 .4 | 7.5 | 3.09 |
| A40E204 | S0520APL | 1/2 x 2 | .4 | 11.2 | 3.13 |
| A40E205 | S0520BPL | 1/2 x 2 | .4 | 15 | 4.30 |
| A40E206 | S0510PL | 1/2 x 1 | .35 .4 | 3.8 | 2.10 |
| A40E207 | S0510APL | 1/2 x 1 | .4 | 5.6 | 2.12 |
| A40E208 | S0510BPL | 1/2 x 1 | .4 | 7.5 | 2.85 |

International Rectifier Self Generating Photo Cells

A photo cell is a semiconductor device which produces an electrical current when excited by light. A cell will generate a voltage across its terminal when light strikes its surface. These cells may then be used for sun powered transistor radios, light sensitive relays and light meters. (See page 135 for photo cell handbook) Types listed below cover a sampling of the many available variations. An A type cell is rectangular, a B type is round. Output in sunlight ranges from .2 to 60 ma depending upon the load attached which may range from 10 to 10k ohms. The larger the cell the greater the output.

(F) UNMOUNTED CELLS

| Cat. No. | Type | Size | Net |
|----------|------|--------------|------|
| A40E112 | B-2 | .72" x .44" | 1.00 |
| A40E111 | B-5 | 1.44" x .64" | 2.00 |
| A40E108 | A-5 | 1.13" dia. | 2.00 |
| A40E110 | B-10 | 1.69" x .88" | 2.50 |
| A40E107 | A-10 | 1 1/4" dia. | 4.50 |
| A40E106 | A-15 | 2" dia. | 6.00 |
| A40E109 | B-15 | 1.69" sq. | 6.00 |

(G) MOUNTED CELLS

| | | | |
|---------|--------|-------------------------|-------|
| A40E101 | B-2-M | Bracket Mounted | 1.47 |
| A40E100 | B-10-M | Mounted in Plastic Case | 7.00 |
| A40E102 | DP-2 | Plug in Sealed Cells | 9.50 |
| A40E103 | DP-3 | Plug in Sealed Cells | 10.00 |
| A40E104 | DP-5 | Plug in Sealed Cells | 14.00 |

(H) TYPE B2M MOUNTED PHOTO CELL—An ideal photo cell for the experimenter. This low cost type comes complete with a mounting bracket and pigtail leads. In bright sunlight one cell will generate 2 MA into a 10 ohm load. The cells may be used in series and series parallel arrangements to obtain enough power to drive a transistor radio. Many of the circuits in the International Rectifier Photo Cell and Sun Battery Book listed on the opposite page use the B2M.
A40E101 B2M.....Net 1.47



TECHNICAL ELECTRONIC PUBLICATIONS

A **RCA PRACTICAL TRANSISTOR CIRCUITS**—Describes circuitry and general data and operating considerations of the 2N307 transistors for the hobbyist and experimenter. Shows circuitry for: a 12 watt power amplifier, light flasher, power supply, electronic photo-flash, etc.
A42F856 RCA. Postpaid in USA. **.15**

B **RCA SEMICONDUCTOR PRODUCTS**—Covers germanium and silicon transistors and silicon rectifiers. Lists the characteristics of all RCA transistors, has an interchangeability directory, and circuit diagrams for: 2, 4, and 6 transistor AM receivers; three-tube, 2 transistor receivers; audio power amplifiers; auto receiver amplifiers, etc. The theory of transistors and rectifiers is discussed along with classification of transistors.
A42F857 Postpaid in USA. **.30**

C **SYLVANIA TRANSISTOR CIRCUIT HANDBOOK**—Shows over 30 useful battery-powered transistor circuits which are easy and inexpensive to make for the hobbyist. Any circuit in the book can be made for under \$5. Some of the circuits discussed are: audio voltmeters, grid dip meters, crystal receivers, audio circuits, applause meters, and entertainment and utility circuits.
A42F841 Sylvania. Postpaid in USA. **.50**

D **SYLVANIA 40 USES FOR GERMANIUM DIODES**—For the hobbyist working with germanium diodes. Covers applications of these diodes to receivers, transmitters and amplifiers, and instruments and gadgets. Describes the use of the crystal diode with each application, and describes properties. Has diagrams.
A42F165 Sylvania. Postpaid in USA. **.35**

E **NEW! GERNSBACH FUNDAMENTALS OF SEMI-CONDUCTORS**—A complete, practical book explaining theory and discussing the development, functions and potentialities of semi-conductors. It covers transistors, rectifiers, photo-electric devices, thermistors, varistors, masers, masers and every kind of semi-conductor in use today. It discusses electrical conduction, energy and matter, etc.
A42F333 Postpaid in USA. **2.95**

F **INTERNATIONAL RECTIFIER ENGINEERING HANDBOOK**—Useful, practical design engineering information on the applications of semi-conductor rectifiers. Many of the articles appeared in the leading technical journals. A source of solutions to many application problems.
A42F196 Postpaid in USA. **1.50**

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|----------|-------|-------------|-------------------|------|
| A39E374 | 32A75 | Bead | 2000 ± 20% | 2.60 |
| A39E375 | 32A2 | Bead | 5000 ± 20% | 3.20 |
| A39E377 | 41D1 | Disc | 20,000 | .70 |
| A39E378 | 41R1 | Rod | 10,000 | 1.30 |
| A39E379 | 51A1 | Bead | 100,000 ± 15% | 3.00 |
| A39E382 | 51A2 | Bead | 100,000 ± 15% | 2.70 |
| A39E384 | 51R1 | Rod | 100,000 | 1.30 |
| A39E385 | 51R2 | Rod | 100,000 | 1.60 |
| A39E396 | 13E3 | Disc | 25 | 1.00 |
| A39E397 | 24W1 | Washer | 415 ± 5% | 1.50 |
| A39E398 | 27D3 | Disc | 700 ± 5% | 1.30 |
| A39E364 | 21E2 | Disc | 100 | 1.00 |
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A49J968 2TS-1 **Net .09**
A49J969 2TS-2 **Net .10**

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| Cat. No. | Type | Description | Net |
|----------|--------|----------------------------|------|
| A23F735 | CL-2P | Plastic case, ½" x ¼" dia. | 3.50 |
| A23F736 | CL-3 | Plastic case, ½" x ¼" dia. | 3.50 |
| A23F805 | CL-404 | Glass case, 1" x .265 dia. | 4.00 |



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|-------------|------------|---------|----------|----------|------------|---------|----------|--------------|------------|---------|----------|
| 0Z4 | 2.15 | 1.14 | 1.05 | 5AZ4 | 2.65 | 1.40 | 1.30 | 6AX5GT | 2.95 | 1.56 | 1.44 |
| 0Z4A | 2.00 | 1.06 | .98 | 5B8 | 3.90 | 2.06 | 1.91 | 6A2B | 4.20 | 2.22 | 2.06 |
| 0Z4G | 2.10 | 1.11 | 1.03 | 5BK7A | 3.40 | 1.80 | 1.67 | 6BA6 | 2.00 | 1.06 | .98 |
| 1A7GT | 3.70 | 1.96 | 1.81 | 5BQ7A | 4.00 | 2.12 | 1.96 | 6BA8A | 3.55 | 1.88 | 1.74 |
| 1B3GT | 2.90 | 1.53 | 1.42 | 5BR8 | 3.30 | 1.75 | 1.62 | 6BC4 | 4.90 | 2.59 | 2.40 |
| 1DW5 | 2.20 | 1.16 | 1.08 | 5BT8 | 3.30 | 1.75 | 1.62 | 6BC5 | 2.45 | 1.30 | 1.20 |
| 1Q3GT/1B3GT | 3.00 | 1.59 | 1.47 | 5C0B | 3.20 | 1.69 | 1.57 | 6BC7 | 3.80 | 2.01 | 1.86 |
| 1H5GT | 3.05 | 1.61 | 1.49 | 5CL8 | 3.15 | 1.67 | 1.54 | 6BC8 | 4.00 | 2.12 | 1.96 |
| 1J3 | 2.90 | 1.53 | 1.42 | 5CL8A | 3.15 | 1.67 | 1.54 | 6BDG | 2.30 | 1.22 | 1.13 |
| 1K3/1J3 | 2.90 | 1.53 | 1.42 | 5CQ8 | 3.35 | 1.77 | 1.64 | 6BE6 | 2.20 | 1.16 | 1.08 |
| 1L6 | 3.35 | 1.77 | 1.64 | 5CZ5 | 2.65 | 1.51 | 1.40 | 6BF5 | 3.55 | 1.88 | 1.74 |
| 1LA6 | 4.10 | 2.17 | 2.01 | 5DHB | 4.05 | 2.14 | 1.98 | 6BF6 | 1.80 | .95 | .88 |
| 1LB4 | 4.45 | 2.35 | 2.18 | 5EAB | 3.15 | 1.67 | 1.54 | 6BG6GA | 6.50 | 3.44 | 3.18 |
| 1LD5 | 4.25 | 2.25 | 2.08 | 5J6 | 2.80 | 1.48 | 1.37 | 6BH6 | 2.70 | 1.43 | 1.32 |
| 1LE3 | 4.25 | 2.25 | 2.08 | 5T4 | 8.70 | 4.60 | 4.26 | 6BH8 | 3.50 | 1.85 | 1.72 |
| 1LH4 | 3.95 | 2.09 | 1.94 | 5T8 | 3.40 | 1.80 | 1.67 | 6BJ6 | 2.60 | 1.38 | 1.27 |
| 1LN5 | 3.95 | 2.09 | 1.94 | 5U4G | 2.15 | 1.14 | 1.05 | 6BJ7 | 2.95 | 1.56 | 1.44 |
| 1N5GT | 3.80 | 2.01 | 1.86 | 5U4GB | 2.10 | 1.11 | 1.03 | 6BJ8 | 2.80 | 1.48 | 1.37 |
| 1R5 | 2.55 | 1.35 | 1.25 | 5UB | 3.30 | 1.75 | 1.62 | 6BK4 | 7.10 | 3.75 | 3.48 |
| 1S4 | 3.65 | 1.93 | 1.79 | 5V3 | 3.65 | 1.93 | 1.79 | 6BK5 | 3.50 | 1.85 | 1.72 |
| 1S5 | 2.55 | 1.35 | 1.35 | 5V4G | 3.30 | 1.75 | 1.62 | 6BK7B | 3.35 | 1.77 | 1.64 |
| 1T4 | 2.40 | 1.27 | 1.18 | 5V4GA | 3.30 | 1.75 | 1.62 | 6BL7GTA | 3.95 | 2.09 | 1.94 |
| 1U4 | 2.35 | 1.24 | 1.15 | 5V6GT | 2.20 | 1.16 | 1.08 | 6BN4 | 2.50 | 1.32 | 1.23 |
| 1U5 | 2.05 | 1.08 | 1.00 | 5X8 | 3.25 | 1.72 | 1.59 | 6BN6 | 3.00 | 1.59 | 1.47 |
| 1V | 4.05 | 2.14 | 1.98 | 5Y3GT | 1.75 | .93 | .86 | 6BN8 | 2.70 | 1.43 | 1.32 |
| 1V2 | 2.00 | 1.06 | .98 | 5Y4GT | 2.35 | 1.24 | 1.15 | 6BQ5 | 2.40 | 1.27 | 1.18 |
| 1X2A | 3.05 | 1.61 | 1.49 | 5Z3 | 3.05 | 1.61 | 1.49 | 6BQ6GA/6CU6 | 4.35 | 2.30 | 2.13 |
| 1X2B | 3.05 | 1.61 | 1.49 | 5Z4 | 5.25 | 2.78 | 2.57 | 6BQ6GTB/6CU6 | 4.35 | 2.30 | 2.13 |
| 2A3 | 6.30 | 3.33 | 3.09 | 6A7 | 4.65 | 2.46 | 2.28 | 6BQ7A | 3.95 | 2.09 | 1.94 |
| 2AF4 | 4.05 | 2.14 | 1.98 | 6ABO | 5.30 | 2.80 | 2.59 | 6BR8 | 3.30 | 1.75 | 1.62 |
| 2BN4 | 2.55 | 1.35 | 1.25 | 6ABGT | 5.30 | 2.80 | 2.59 | 6BS8 | 3.75 | 1.98 | 1.84 |
| 2CY5 | 2.80 | 1.48 | 1.37 | 6AB4 | 2.15 | 1.14 | 1.05 | 6BU8 | 2.80 | 1.48 | 1.37 |
| 3A2 | 3.50 | 1.85 | 1.72 | 6AB5/6N5 | 4.05 | 2.14 | 1.98 | 6BV8 | 3.20 | 1.69 | 1.57 |
| 3A3 | 3.40 | 1.80 | 1.67 | 6AB7 | 6.05 | 3.20 | 2.96 | 6BW4 | 1.85 | .98 | .91 |
| 3AL5 | 1.85 | .98 | .91 | 6AC5GT | 4.80 | 2.54 | 2.35 | 6BW8 | 3.30 | 1.75 | 1.62 |
| 3AU6 | 2.15 | 1.14 | 1.05 | 6AC7 | 4.90 | 2.59 | 2.40 | 6BX7GT | 4.00 | 2.12 | 1.96 |
| 3AV6 | 1.75 | .93 | .86 | 6AF4 | 4.00 | 2.12 | 1.96 | 6BY5GA | 4.20 | 2.22 | 2.06 |
| 3B2 | 6.25 | 3.31 | 3.06 | 6AF6G | 3.70 | 1.96 | 1.81 | 6BY8 | 2.65 | 1.40 | 1.30 |
| 3BC5 | 2.50 | 1.32 | 1.23 | 6AG5 | 2.60 | 1.38 | 1.27 | 6BZ6 | 2.25 | 1.19 | 1.10 |
| 3BE6 | 2.25 | 1.19 | 1.10 | 6AG7 | 5.90 | 3.12 | 2.89 | 6BZ7 | 4.00 | 2.12 | 1.96 |
| 3BN4 | 2.55 | 1.35 | 1.25 | 6AH4GT | 3.30 | 1.75 | 1.62 | 6BZ8 | 4.25 | 2.25 | 2.08 |
| 3BN6 | 3.05 | 1.61 | 1.49 | 6AH6 | 4.65 | 2.46 | 2.28 | 6C4 | 1.85 | .98 | .91 |
| 3BY6 | 2.35 | 1.24 | 1.15 | 6AJ4 | 5.90 | 3.12 | 2.89 | 6C5 | 3.00 | 1.59 | 1.47 |
| 3BZ6 | 2.35 | 1.24 | 1.15 | 6AK5 | 4.20 | 2.22 | 2.06 | 6C5GT | 2.90 | 1.53 | 1.42 |
| 3CB6 | 2.25 | 1.19 | 1.10 | 6AK6 | 2.90 | 1.53 | 1.42 | 6C6 | 4.35 | 2.30 | 2.13 |
| 3CE5/3BC5 | 2.35 | 1.24 | 1.15 | 6AL5 | 1.85 | .98 | .91 | 6C8G | 5.10 | 2.70 | 2.50 |
| 3CF6 | 2.55 | 1.35 | 1.25 | 6AL7GT | 6.75 | 3.04 | 2.82 | 6CB5A | 7.50 | 3.96 | 3.68 |
| 3CS6 | 2.40 | 1.27 | 1.18 | 6AM4 | 5.90 | 3.12 | 2.89 | 6CB6 | 2.25 | 1.19 | 1.10 |
| 3DK6 | 2.40 | 1.27 | 1.18 | 6AM8A | 3.25 | 1.72 | 1.59 | 6CB8A | 2.25 | 1.19 | 1.10 |
| 3DT6 | 2.20 | 1.16 | 1.08 | 6AN4 | 4.95 | 2.63 | 2.43 | 6CD6GA | 5.80 | 3.07 | 2.84 |
| 3Q4 | 2.75 | 1.45 | 1.35 | 6AN8 | 3.50 | 1.85 | 1.72 | 6CF6 | 2.55 | 1.35 | 1.25 |
| 3Q5GT | 3.60 | 1.90 | 1.76 | 6AQ5 | 2.15 | 1.14 | 1.05 | 6C07 | 2.45 | 1.30 | 1.20 |
| 3S4 | 2.45 | 1.30 | 1.20 | 6AQ5A | 2.15 | 1.14 | 1.05 | 6C08A | 3.15 | 1.67 | 1.54 |
| 3Y4 | 2.35 | 1.24 | 1.15 | 6AQ6 | 2.20 | 1.16 | 1.08 | 6CK4 | 2.80 | 1.48 | 1.37 |
| 4AU6 | 2.20 | 1.16 | 1.08 | 6AQ7GT | 4.00 | 2.12 | 1.96 | 6CL6 | 3.75 | 1.98 | 1.84 |
| 4BC8 | 4.05 | 2.14 | 1.98 | 6AR5 | 2.60 | 1.38 | 1.27 | 6CM6 | 2.55 | 1.35 | 1.25 |
| 4BQ7A | 4.00 | 2.12 | 1.96 | 6AS5 | 2.40 | 1.27 | 1.18 | 6CM7 | 2.75 | 1.45 | 1.35 |
| 4BS8 | 3.85 | 2.04 | 1.89 | 6AS8 | 3.35 | 1.77 | 1.64 | 6CN7 | 2.60 | 1.38 | 1.27 |
| 4BUB | 2.80 | 1.48 | 1.37 | 6AT6 | 1.90 | 1.01 | .93 | 6CQ8 | 3.30 | 1.75 | 1.62 |
| 4BZ7 | 4.05 | 2.14 | 1.98 | 6AT8 | 3.20 | 1.69 | 1.57 | 6CS6 | 2.35 | 1.24 | 1.15 |
| 4CB6 | 2.25 | 1.19 | 1.10 | 6AT8A | 3.20 | 1.69 | 1.57 | 6CS7 | 2.80 | 1.48 | 1.37 |
| 5AM8 | 3.30 | 1.75 | 1.62 | 6AU4GTA | 3.35 | 1.77 | 1.64 | 6CU5 | 2.35 | 1.24 | 1.15 |
| 5AN8 | 3.55 | 1.88 | 1.74 | 6AU5GT | 4.30 | 2.27 | 2.10 | 6CUB | 3.65 | 1.93 | 1.79 |
| 5AQ5 | 2.20 | 1.16 | 1.08 | 6AU6 | 2.10 | 1.11 | 1.03 | 6CX8 | 3.65 | 1.93 | 1.79 |
| 5A54A | 2.10 | 1.11 | 1.03 | 6AU8A | 3.50 | 1.85 | 1.72 | 6CV5 | 2.80 | 1.48 | 1.37 |
| 5A58 | 3.40 | 1.80 | 1.67 | 6AV5GA | 3.80 | 2.01 | 1.86 | 6CV7 | 2.95 | 1.56 | 1.44 |
| 5AT8 | 3.25 | 1.72 | 1.59 | 6AV6 | 1.65 | .87 | .81 | 6CZ5 | 2.80 | 1.48 | 1.37 |
| 5AU4 | 3.40 | 1.80 | 1.67 | 6AW8 | 3.55 | 1.88 | 1.74 | 6D6 | 4.35 | 2.30 | 2.13 |
| 5AY8 | 4.05 | 2.14 | 1.98 | 6AW8A | 3.55 | 1.88 | 1.74 | 6DA4 | 2.70 | 1.43 | 1.32 |
| 5AW4 | 2.80 | 1.48 | 1.37 | 6AX4GT | 2.65 | 1.40 | 1.30 | 6DC6 | 2.75 | 1.45 | 1.35 |

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| Tube No. | List Price | Net 1-5 | Net 6-49 | Tube No. | List Price | Net 1-5 | Net 6-49 | Tube No. | List Price | Net 1-5 | Net 6-49 |
|----------|------------|---------|----------|---------------|------------|---------|----------|--------------------|------------|---------|----------|
| 6DE4 | 2.80 | 1.48 | 1.37 | 7C5 | 3.35 | 1.77 | 1.64 | 12K7GT | 4.05 | 2.14 | 1.98 |
| 6DE6 | 2.45 | 1.30 | 1.20 | 7C6 | 3.30 | 1.75 | 1.62 | 12K8 | 5.25 | 2.78 | 2.57 |
| 6DE7 | 2.95 | 1.56 | 1.44 | 7C7 | 3.05 | 1.61 | 1.49 | 12L6GT | 2.45 | 1.30 | 1.20 |
| 6DG6GT | 2.50 | 1.32 | 1.23 | 7E7 | 4.45 | 2.35 | 2.18 | 12R5 | 2.60 | 1.38 | 1.27 |
| 6DK6 | 2.35 | 1.24 | 1.15 | 7F7 | 3.65 | 1.93 | 1.79 | 12SA7 | 3.90 | 2.06 | 1.91 |
| 6DN7 | 3.50 | 1.85 | 1.72 | 7F8 | 4.60 | 2.43 | 2.25 | 12SA7GT | 3.25 | 1.72 | 1.52 |
| 6DQ5 | 7.65 | 4.05 | 3.75 | 7G7 | 4.00 | 2.12 | 1.96 | 12SG7 | 4.05 | 2.14 | 1.98 |
| 6DQ6A | 4.10 | 2.17 | 2.01 | 7H7 | 3.90 | 2.06 | 1.91 | 12SH7 | 3.65 | 1.93 | 1.79 |
| 6DT6 | 2.15 | 1.14 | 1.05 | 7J7 | 5.15 | 2.72 | 2.52 | 12SJ7 | 3.75 | 1.98 | 1.84 |
| 6DT8 | 3.75 | 1.98 | 1.84 | 7K7 | 4.45 | 2.35 | 2.18 | 12SK7 | 3.55 | 1.88 | 1.74 |
| 6E5 | 3.00 | 1.59 | 1.47 | 7N7 | 3.55 | 1.88 | 1.74 | 12SK7GT | 3.05 | 1.61 | 1.49 |
| 6FA8 | 3.20 | 1.69 | 1.57 | 7R7 | 5.15 | 2.72 | 2.52 | 12SL7GT | 3.75 | 1.98 | 1.84 |
| 6EH8 | 3.20 | 1.69 | 1.57 | 7W7 | 4.75 | 2.51 | 2.33 | 12SN7GTA | 2.70 | 1.43 | 1.32 |
| 6EW6 | 2.30 | 1.22 | 1.13 | 7X7 | 5.85 | 3.08 | 2.87 | 12SQ7 | 3.30 | 1.75 | 1.62 |
| 6F5 | 3.40 | 1.80 | 1.67 | 7Y4 | 2.75 | 1.45 | 1.35 | 12V6GT | 2.15 | 1.14 | 1.05 |
| 6F6 | 4.00 | 2.12 | 1.96 | 8AUBA | 3.55 | 1.88 | 1.74 | 12W6GT | 3.00 | 1.59 | 1.47 |
| 6F6G | 3.60 | 1.90 | 1.76 | 8BQ5 | 2.45 | 1.30 | 1.20 | 12X4 | 1.80 | .95 | .88 |
| 6F8G | 5.10 | 2.70 | 2.50 | 8CG7 | 2.50 | 1.32 | 1.23 | 14A7 | 3.50 | 1.85 | 1.72 |
| 6FV6 | 2.75 | 1.45 | 1.35 | 8CN7 | 2.60 | 1.38 | 1.27 | 14AF7 | 3.80 | 2.01 | 1.86 |
| 6G6G | 4.05 | 2.14 | 1.98 | 8CS7 | 2.95 | 1.56 | 1.44 | 17AX4GT | 2.70 | 1.43 | 1.32 |
| 6H6 | 3.30 | 1.75 | 1.62 | 8CX8 | 3.70 | 1.96 | 1.81 | 17D4 | 2.75 | 1.45 | 1.35 |
| 6J5 | 2.95 | 1.56 | 1.44 | 8E88 | 3.80 | 2.01 | 1.86 | 17DE4 | 2.85 | 1.51 | 1.40 |
| 6J6 | 2.60 | 1.48 | 1.37 | 9UBA | 3.30 | 1.75 | 1.62 | 17DQ6A | 4.20 | 2.22 | 2.06 |
| 6J7 | 4.55 | 2.41 | 2.23 | 10C8 | 4.25 | 2.25 | 2.08 | 17H3 | 2.15 | 1.14 | 1.05 |
| 6J7GT | 3.65 | 1.93 | 1.79 | 10DE7 | 2.95 | 1.56 | 1.44 | 19AU4G | 3.45 | 1.83 | 1.69 |
| 6K6GT | 2.35 | 1.24 | 1.15 | 11CY7 | 3.00 | 1.59 | 1.47 | 19AU4GTA | 3.45 | 1.83 | 1.69 |
| 6K7 | 4.35 | 2.30 | 2.13 | 12A8GT | 4.75 | 2.51 | 2.33 | 19BQ6GA | 6.50 | 3.44 | 3.18 |
| 6K8 | 4.45 | 2.35 | 2.18 | 12AB5 | 2.45 | 1.30 | 1.20 | 19J6 | 3.15 | 1.67 | 1.54 |
| 6L6 | 6.10 | 3.23 | 2.99 | 12AC6 | 2.20 | 1.16 | 1.08 | 19T8 | 3.35 | 1.77 | 1.64 |
| 6L7 | 4.80 | 2.54 | 2.35 | 12AD6 | 2.40 | 1.27 | 1.18 | 19X8 | 3.80 | 2.01 | 1.86 |
| 6N7 | 4.55 | 2.41 | 2.23 | 12AF3 | 2.80 | 1.48 | 1.37 | 21EX6 | 5.55 | 3.94 | 2.72 |
| 6Q7 | 3.70 | 1.96 | 1.81 | 12AH7GT | 3.80 | 2.01 | 1.86 | 24A | 4.15 | 2.20 | 2.03 |
| 6Q7GT | 3.20 | 1.69 | 1.57 | 12AJ6 | 2.05 | 1.08 | 1.00 | 25AV5GA | 4.10 | 2.17 | 2.01 |
| 6R7 | 3.95 | 2.09 | 1.94 | 12AL5 | 1.90 | 1.01 | .93 | 25AX4GT | 2.85 | 1.51 | 1.40 |
| 6S4A | 2.05 | 1.08 | 1.00 | 12AL8 | 4.00 | 2.12 | 1.96 | 25BQ6GA/ 25CU6 | 4.60 | 2.43 | 2.25 |
| 6S7 | 4.60 | 2.43 | 2.25 | 12AQ5 | 2.40 | 1.27 | 1.18 | 25BQ6GT8/ 26CU6 | 4.60 | 2.43 | 2.25 |
| 6SA7 | 3.90 | 2.06 | 1.91 | 12AT6 | 1.65 | .87 | .81 | 25C5 | 2.15 | 1.14 | 1.05 |
| 6SA7GT | 3.25 | 1.72 | 1.59 | 12AT7 | 3.05 | 1.61 | 1.49 | 25CA5 | 2.50 | 1.32 | 1.23 |
| 6SB7Y | 4.95 | 2.62 | 2.43 | 12AU6 | 2.15 | 1.14 | 1.05 | 25CD6GB | 5.85 | 3.08 | 2.87 |
| 6SC7 | 3.80 | 2.01 | 1.86 | 12AU7A | 2.45 | 1.30 | 1.20 | 25ON6 | 5.55 | 3.94 | 2.72 |
| 6SF5 | 2.95 | 1.56 | 1.44 | 12AV5GA | 3.85 | 2.04 | 1.89 | 25R6 | 5.70 | 3.02 | 2.79 |
| 6SF5GT | 3.20 | 1.69 | 1.57 | 12AV6 | 1.65 | .87 | .81 | 25L6 | 6.40 | 3.39 | 3.14 |
| 6SF7 | 4.30 | 2.27 | 2.10 | 12AV7 | 3.20 | 1.69 | 1.57 | 25L6GT | 2.25 | 1.19 | 1.10 |
| 6SG7 | 4.25 | 2.25 | 2.08 | 12AW6 | 2.95 | 1.56 | 1.44 | 25W4GT | 2.70 | 1.43 | 1.32 |
| 6SH7 | 4.05 | 2.14 | 1.98 | 12AX4GTA | 2.70 | 1.43 | 1.32 | 25W6GT | 3.10 | 1.64 | 1.52 |
| 6SJ7 | 3.75 | 1.98 | 1.84 | 12AX7 | 2.55 | 1.35 | 1.25 | 25Z5 | 2.90 | 1.53 | 1.42 |
| 6SJ7GT | 3.20 | 1.69 | 1.57 | 12AY7 | 5.00 | 2.65 | 2.45 | 25Z6GT | 2.90 | 1.53 | 1.42 |
| 6SK7 | 3.35 | 1.88 | 1.74 | 12AZ7 | 2.75 | 1.45 | 1.35 | 27 | 4.35 | 2.30 | 2.13 |
| 6SK7GT | 3.20 | 1.69 | 1.57 | 12BA4 | 2.70 | 1.43 | 1.32 | 35C5 | 2.15 | 1.14 | 1.05 |
| 6SL7GT | 3.30 | 1.75 | 1.62 | 12BA6 | 2.00 | 1.06 | .98 | 35L6GT | 2.40 | 1.27 | 1.18 |
| 6SN7GT8 | 2.60 | 1.38 | 1.27 | 12BE6 | 2.15 | 1.14 | 1.05 | 35W4 | 1.40 | .74 | .69 |
| 6SQ7 | 3.30 | 1.75 | 1.62 | 12BF6 | 2.10 | 1.11 | 1.03 | 35Y4 | 2.75 | 1.45 | 1.35 |
| 6SR7 | 2.95 | 1.56 | 1.44 | 12BH7A | 3.05 | 1.61 | 1.49 | 35Z3 | 2.75 | 1.45 | 1.35 |
| 6SS7 | 3.85 | 2.04 | 1.89 | 12BK5 | 3.80 | 2.01 | 1.86 | 35Z4GT | 2.35 | 1.24 | 1.15 |
| 6T8A | 3.35 | 1.77 | 1.64 | 12BL6 | 2.30 | 1.22 | 1.13 | 35Z5GT | 1.85 | .98 | .91 |
| 6U5 | 3.15 | 1.67 | 1.54 | 12BQ6GA/12CU6 | 4.45 | 2.35 | 2.18 | 41 | 3.50 | 1.85 | 1.72 |
| 6U8 | 3.30 | 1.75 | 1.62 | 12BQGT8/12CU6 | 4.45 | 2.35 | 2.18 | 42 | 3.45 | 1.83 | 1.69 |
| 6UBA | 3.20 | 1.75 | 1.62 | 12BV7 | 3.05 | 1.61 | 1.49 | 43 | 4.70 | 2.49 | 2.30 |
| 6V3A | 4.35 | 2.30 | 2.13 | 12BY2A | 3.05 | 1.61 | 1.49 | 47 | 8.70 | 4.60 | 4.26 |
| 6V6 | 4.80 | 2.54 | 2.35 | 12BZ7 | 3.05 | 1.61 | 1.49 | 50A5 | 3.95 | 2.09 | 1.94 |
| 6V6GT | 2.15 | 1.14 | 1.05 | 12C5/12CU5 | 2.35 | 1.24 | 1.15 | 50B5 | 2.65 | 1.40 | 1.30 |
| 6W4GT | 2.40 | 1.27 | 1.18 | 12CT8 | 4.05 | 2.14 | 1.98 | 50C5 | 2.15 | 1.14 | 1.05 |
| 6W6GT | 2.80 | 1.48 | 1.37 | 12CU5 | 2.35 | 1.24 | 1.15 | 50L6GT | 2.40 | 1.27 | 1.18 |
| 6X4 | 1.65 | .87 | .81 | 12DB5 | 2.75 | 1.45 | 1.35 | 50X6 | 3.20 | 1.69 | 1.57 |
| 6X5GT | 2.05 | 1.08 | 1.00 | 12DE8 | 3.35 | 1.77 | 1.64 | 50Y6GT | 2.95 | 1.56 | 1.44 |
| 6X8 | 3.15 | 1.67 | 1.54 | 12DL8 | 3.55 | 1.88 | 1.74 | 50Y7GT | 3.05 | 1.61 | 1.49 |
| 6Y6G | 3.45 | 1.83 | 1.69 | 12DQ6A | 4.20 | 2.22 | 2.06 | 70L7GT | 10.15 | 5.37 | 4.97 |
| 6Y6GT | 4.50 | 2.38 | 2.21 | 12DS7 | 3.40 | 1.80 | 1.67 | 75 | 5.10 | 2.70 | 2.50 |
| 7A4 | 3.25 | 1.72 | 1.59 | 12DT8 | 3.75 | 1.98 | 1.84 | 78 | 5.10 | 2.70 | 2.50 |
| 7A6 | 3.15 | 1.67 | 1.54 | 12DV8 | 3.55 | 1.88 | 1.74 | 80 | 2.90 | 1.53 | 1.42 |
| 7A7 | 3.50 | 1.85 | 1.72 | 12EA6 | 2.65 | 1.40 | 1.30 | 83 | 3.25 | 1.72 | 1.59 |
| 7A8 | 4.45 | 2.35 | 2.18 | 12EC6 | 2.30 | 1.22 | 1.13 | 84/624 | 2.70 | 1.43 | 1.32 |
| 7AD7 | 6.45 | 3.39 | 3.26 | 12EK6 | 2.50 | 1.32 | 1.23 | 117L7GT | 10.15 | 5.37 | 4.97 |
| 7AF7 | 3.85 | 2.04 | 1.89 | 12EM6 | 3.10 | 1.64 | 1.52 | 117N7GT | 9.30 | 4.92 | 4.56 |
| 7AU7 | 2.60 | 1.38 | 1.27 | 12F8 | 2.55 | 1.35 | 1.25 | 117P7GT | 9.30 | 4.92 | 4.56 |
| 784 | 3.05 | 1.61 | 1.49 | 12H6 | 3.05 | 1.61 | 1.49 | 117Z3 | 2.50 | 1.32 | 1.23 |
| 785 | 4.75 | 2.51 | 2.33 | 12J5 | 3.30 | 1.75 | 1.62 | 117Z6GT | 4.40 | 2.33 | 2.16 |
| 786 | 3.25 | 1.72 | 1.59 | 12J7GT | 4.20 | 2.22 | 2.06 | | | | |
| 787 | 3.30 | 1.75 | 1.62 | 12J8 | 3.30 | 1.75 | 1.62 | | | | |
| 788 | 3.55 | 1.88 | 1.74 | 12K5 | 2.70 | 1.43 | 1.32 | | | | |



LOW COST PICTURE TUBES

These budget-priced TV replacement tubes are fully guaranteed for 12 months. In factory-sealed cartons. Shipped EXPRESS only.

| Cat. No. | Mfrs. Type | Net | Cat. No. | Mfrs. Type | Net | Cat. No. | Mfrs. Type | Net |
|------------|-------------|-------|-----------|---------------|-------|-----------|------------|-------|
| A38AX100Y | 121PA | 12.95 | A38AX115Y | 17CP4/D/Y-A | 17.80 | A38AX130Y | 24CP4/V | 36.60 |
| A38AX101Y | 14BP4A | 14.25 | A38AX116Y | 20CP4/D-B | 21.00 | A38AX131Y | 24DP4/Y | 38.00 |
| A38AX102Y | 14CP4/D/E-A | 14.25 | A38AX117Y | 20HP4/J/L/M-C | 22.00 | | | |
| A38AX103Y | 14RP4A | 18.75 | A38AX118Y | 21ALP4/AT | 26.00 | | | |
| A38AX104Y | 16KP4A | 15.75 | A38AX119Y | 21AMP4/AC/AGA | 25.50 | | | |
| A38AX105Y | 16RP4A | 15.75 | A38AX120Y | 21AUP4/AV-A | 26.00 | | | |
| A38AX106Y | 17AP4-B | 18.50 | A38AX121Y | 21AWP4S | 25.50 | | | |
| A38AX107Y | 17AVP4A | 20.80 | A38AX122Y | 21CBP4A | 26.75 | | | |
| A38AX108Y* | 17BP4B | 18.50 | A38AX123Y | 21CQP4* | 28.80 | | | |
| A38AX109Y | 17BZP4* | 23.60 | A38AX124Y | 21CZP4* | 28.80 | | | |
| A38AX110Y | 17CAP4* | 23.60 | A38AX125Y | 21EP4B | 21.75 | | | |
| A38AX111Y | 17CDP4* | 23.60 | A38AX126Y | 21FP4C | 22.60 | | | |
| A38AX112Y | 17CP4* | 23.60 | A38AX127Y | 21WP4K | 24.75 | | | |
| A38AX113Y | 17HP4/K-B | 19.80 | A38AX128Y | 21YP4A | 25.00 | | | |
| A38AX114Y | 17IP4/E/V-A | 19.00 | A38AX129Y | 21ZP4B | 24.00 | | | |

METAL TUBES

| Cat. No. | Mfrs. Type | Net |
|-----------|------------|-------|
| A38AX132Y | 16AP4A | 18.00 |
| A38AX133Y | 16GP4A | 18.00 |
| A38AX134Y | 17CP4 | 22.80 |
| A38AX135Y | 17GP4 | 23.80 |
| A38AX136Y | 19AP4A | 23.50 |
| A38AX137Y | 21AP4 | 30.00 |
| A38AX138Y | 21MP4 | 31.40 |

Include Postage With Each Item For Shipping Weight As Indicated. . . . Overages Will Be Refunded



Imported HI-FI TUBES



Here's real value-famous Amperex and Mullard hi-fi tubes at prices that reflect genuine savings. These premium quality tubes are superbly crafted for minimum noise, least possible feed back, low loss, long life and widest frequency response. In every way you're sure to be completely satisfied with these top-performing, imported hi-fi tubes. Matched pairs are marked M/P and are precisely balanced for use in push-pull output stages. Tube types are directly interchangeable with equivalent types listed. Shipping wt. averages 4 oz. per tube.

| Tube No. | Mfr. | Equiv. Type | Net |
|----------|---------|-------------|------|
| DAF96 | Mullard | 1AH5 | 1.80 |
| DCC90 | Mullard | 3A5 | 2.76 |
| DF91 | Mullard | 1T4 | 1.35 |
| DF96 | Mullard | 1AJ4 | 1.89 |
| DF97 | Mullard | 1AN5 | 1.89 |
| DL96 | Mullard | 3C4 | 2.10 |
| DM70 | Mullard | 1M3 | 1.05 |
| DM70/1M3 | Amperex | | .98 |
| EAB80 | Mullard | 6AX8 | 1.92 |
| EAF42 | Mullard | 6CT7 | 1.89 |
| EB91 | Mullard | 6AL5 | .93 |
| EBC41 | Mullard | | 2.10 |
| EBC90 | Mullard | 6AT6 | 1.01 |
| EBC91 | Mullard | 6AV6 | .87 |
| EBF80 | Mullard | 6NB | 2.10 |
| EBF89 | Mullard | 6DC8 | 1.76 |
| EC90 | Mullard | 6C4 | 2.04 |
| EC91 | Mullard | 6AQ4 | 3.30 |
| EC92 | Mullard | | 1.38 |
| EC95 | Mullard | 6RS | 1.65 |
| ECC33 | Mullard | | 2.81 |
| ECC35 | Mullard | 6SG7 | 2.43 |
| ECC40 | Mullard | | 2.70 |
| ECC81 | Mullard | 12AT7 | 1.55 |
| ECC81 | Amperex | 12AT7 | 1.53 |
| ECC82 | Mullard | 12AU7 | 1.23 |
| ECC82 | Amperex | 12AU7 | 1.23 |
| ECC83 | Mullard | 12AX7 | 1.28 |
| ECC83 | Amperex | 12AX7 | 1.28 |
| ECC84 | Mullard | 6CW7 | 2.34 |
| ECC85 | Mullard | 6AQ8 | 1.41 |
| ECC88 | Mullard | 6DJ8 | 2.38 |
| ECC88 | Amperex | 6DJ8 | 2.28 |

| Tube No. | Mfr. | Equiv. Type | Net |
|-----------|---------|-------------|------|
| ECC91 | Mullard | 6J6 | 1.43 |
| ECC91 | Amperex | 6J6 | 1.40 |
| ECC189 | Mullard | 6ES8 | 2.64 |
| ECF80 | Mullard | 68B | 2.08 |
| ECF82 | Mullard | 68B | 2.03 |
| ECH81 | Mullard | 6AB | 1.83 |
| ECL80 | Mullard | 6AB8 | 2.37 |
| ECL82 | Mullard | 68AB | 1.62 |
| ECL83 | Mullard | | 2.64 |
| EF40 | Mullard | | 2.55 |
| EF41 | Mullard | | 1.80 |
| EF80 | Mullard | 68X6 | 1.89 |
| EF85 | Mullard | 68Y7 | 1.89 |
| EF86 | Mullard | 6267 | 1.35 |
| EF89 | Mullard | 6DA6 | 1.71 |
| EP91 | Mullard | 6AM6 | 1.70 |
| EP93 | Mullard | 68A6 | 1.08 |
| EP94 | Mullard | 6AU6 | 1.08 |
| EP95 | Mullard | 6AK5 | 2.43 |
| EPF-60 | Amperex | | 7.50 |
| EK90 | Mullard | 68F6 | 1.49 |
| EL34 | Mullard | 6CA7 | 2.89 |
| EL34MP | Mullard | M/P | 6.35 |
| EL34/6CA7 | Amperex | | 3.10 |
| EL37 | Mullard | | 3.11 |
| EL37MP | Mullard | M/P | 6.75 |
| EL38 | Mullard | 6CN6 | 4.32 |
| EL41 | Mullard | 6CK5 | 1.83 |
| EL81 | Mullard | 6CJ6 | 2.79 |
| EL84 | Mullard | 68Q5 | 1.25 |
| EL84MP | Mullard | M/P | 2.84 |
| EL86 | Mullard | 6CW5 | 1.62 |
| EL90 | Mullard | 6AQ5 | 1.16 |

BRITISH Industries HAND-CRAFTED GOLD LION HI-FI Tubes



Hi-fi tubes with tolerances so close that you do not need to buy matched pairs. Those listed below will replace more than 50 common types. Each is heat-sealed in plico-film, 100% tested and is supplied with test report.

| Tube No. | Replaces | Net |
|----------|---|------|
| GL-KT88 | 616GC 6550 7027A | 6.95 |
| GL-KT77 | 616GB EL34 6CA7 7581 | 5.50 |
| GL-KT66 | 616 616G 5881 5932 1614 1622 7027 6CN45 EL35 EL36 EL37 EL39 | 4.50 |
| GL-N709 | 68Q5 EL84 | 3.80 |
| GL-Z729 | EF86 62G7 6CF8 | 3.00 |
| GL-8739 | 12AT7 ECC81 E81CC 6060 6201 6679 8309 | 5.30 |
| GL-D717 | 6AL5 5726 6058 6097 6663 EAA91 EB91 D77 | 3.40 |
| GL-U707 | 6X4 68X4 U78 E290 5993 6063 6202 6203 | 3.40 |
| GL-U709 | 6CA4 EZ81 | 3.20 |

| Tube No. | Mfr. | Equiv. Type | Net |
|----------|---------|-------------|------|
| EL91 | Mullard | 6AM5 | 1.89 |
| EL95 | Mullard | 6DL5 | 1.29 |
| EL822 | Mullard | | 4.35 |
| EM34 | Mullard | 6CD7 | 2.25 |
| EM81 | Mullard | 6DA5 | 1.41 |
| EM84 | Mullard | 6CG6 | 1.68 |
| EZ35 | Mullard | 6X5 | 2.04 |
| EZ80 | Mullard | 6V4 | .81 |
| EZ81 | Mullard | 6CA4 | 1.14 |
| EZ90 | Mullard | 6X4 | .87 |
| GZ30 | Mullard | | 2.34 |
| GZ32 | Mullard | | 2.67 |
| GZ33 | Mullard | | 2.55 |
| GZ34 | Mullard | 5AR4 | 2.28 |
| HBC90 | Mullard | 12AT6 | 1.01 |
| HBC91 | Mullard | 12AV6 | .87 |
| HL92 | Mullard | 50C5 | 1.14 |
| HY90 | Mullard | 35W4 | .74 |

| Tube No. | Mfr. | Equiv. Type | Net |
|----------|---------|-------------|------|
| PCL82 | Mullard | 16AB | 2.64 |
| UCH42 | Mullard | 14K7 | 2.40 |
| UCH81 | Mullard | 1908 | 2.10 |
| UCL82 | Mullard | 508MB | 1.62 |
| UCL83 | Mullard | | 2.64 |
| UF86 | Mullard | | 1.95 |
| UL41 | Mullard | 45A5 | 1.89 |
| UL84 | Mullard | 4585 | 1.65 |
| UY41 | Mullard | 31A3 | 1.14 |
| UY85 | Mullard | 38A3 | 1.14 |
| 5881 | ECA | 616 | 4.95 |
| 6550 | Tungsol | | 3.40 |
| 6973 | GE | | 2.39 |
| 7025 | GE | 12AX7 | 1.34 |
| 7189 | Mullard | 7189 | 1.56 |

Tubes on Time Pay SEE PAGE 3



PICTURE TUBES ON BUDGET TERMS



You can save and feel safe when you buy these RCA Silverama or GE picture tubes at Radio Shack. Every one of these superior TV picture tubes in our stock is BRAND NEW... and warranted for one full year, too!

Shipping wt. on tubes to 17" average about 20 lbs; all others average about 35 lbs. And, remember, any tube costing \$20 or more can be purchased through our convenient Easy Pay Plan. Details on page 3.

| Cat. No. | Mfrs. No. | Net |
|-----------|-----------|-------|
| A38AX226Y | 71P4 | 24.36 |
| A38AX151Y | 8AP4A | 19.42 |
| A38AX157Y | 8DP4 | 26.18 |
| A38AX158Y | 9QP4A | 22.75 |
| A38AX232Y | 108P4A | 22.19 |
| A38AX234Y | 10FP4A | 27.86 |
| A38AX237Y | 12KPA | 28.21 |
| A38AX239Y | 12FA | 24.85 |
| A38AX816Y | 12UP4B | 21.18 |
| A38AX221Y | 14AJPA | 28.35 |
| A38AX360Y | 14CP4 | 23.66 |
| A38AX360Y | 14EP4 | 25.90 |
| A38AX515Y | 14HP4 | 27.37 |
| A38AX817Y | 14QP4A | 31.22 |
| A38AX819Y | 14RP4 | 30.31 |
| A38AX821Y | 14FP4A | 33.04 |
| A38AX249Y | 14VP4 | 31.22 |
| A38AX249Y | 14ZPA | 31.22 |
| A38AX245Y | 16AP4A | 40.88 |
| A38AX509Y | 16DP4A | 36.54 |
| A38AX246 | 16FP4 | 20.00 |
| A38AX217Y | 16CP4B | 40.32 |
| A38AX218Y | 16KP4 | 29.75 |
| A38AX218Y | 16RP4 | 29.75 |
| A38AX359Y | 16KP4A | 32.55 |
| A38AX359Y | 16RP4A | 32.55 |
| A38AX219Y | 16LP4A | 36.54 |
| A38AX219Y | 16ZPA | 36.54 |
| A38AX142Y | 16TP4 | 42.50 |

| Cat. No. | Mfrs. No. | Net |
|-----------|-----------|-------|
| A38AX220Y | 16WP4A | 36.54 |
| A38AX821Y | 17AVPA | 35.49 |
| A38AX821Y | 17ATPA | 35.49 |
| A38AX208Y | 17BJPA | 35.49 |
| A38AX351Y | 17BP4A | 30.31 |
| A38AX209Y | 17RJPA | 35.49 |
| A38AX517Y | 17RP4B | 33.11 |
| A38AX400Y | 17RVPA | 38.85 |
| A38AX402Y | 17SP4 | 38.85 |
| A38AX500Y | 17CDPA | 38.85 |
| A38AX144Y | 17CP4 | 40.04 |
| A38AX146Y | 17CRPA | 31.13 |
| A38AX357Y | 17FP4A | 23.80 |
| A38AX357Y | 17RP4 | 23.80 |
| A38AX358Y | 17GP4 | 41.79 |
| A38AX216Y | 17HP4 | 31.64 |
| A38AX216Y | 17RP4 | 31.64 |
| A38AX228Y | 17HP4B | 34.58 |
| A38AX228Y | 17RP4C | 34.58 |
| A38AX145Y | 17LP4 | 32.13 |
| A38AX145Y | 17VP4 | 32.13 |
| A38AX229Y | 17LP4A | 35.21 |
| A38AX229Y | 17VP4B | 35.21 |
| A38AX139Y | 17QP4 | 29.96 |
| A38AX139Y | 17UP4 | 29.96 |
| A38AX139Y | 17VP4 | 29.96 |
| A38AX230Y | 17QP4A | 33.11 |
| A38AX148Y | 17TP4 | 43.05 |
| A38AX352Y | 19AP4B | 43.89 |

| Cat. No. | Mfrs. No. | Net |
|-----------|-----------|-------|
| A38AX353Y | 20CP4 | 26.46 |
| A38AX353Y | 20DP4 | 26.46 |
| A38AX354Y | 20CP4A | 35.49 |
| A38AX354Y | 20DP4A | 35.49 |
| A38AX575Y | 20CP4B | 31.50 |
| A38AX575Y | 20DP4B | 31.50 |
| A38AX231Y | 20CP4D | 36.12 |
| A38AX231Y | 20DP4C | 36.12 |
| A38AX503Y | 20HP4A | 36.54 |
| A38AX503Y | 20IP4 | 36.54 |
| A38AX147Y | 20MP4 | 36.54 |
| A38AX822Y | 20HP4C | 29.40 |
| A38AX823Y | 20HP4D | 37.59 |
| A38AX824Y | 21ACP4 | 26.46 |
| A38AX824Y | 21AMP4 | 26.46 |
| A38AX236Y | 21ACP4A | 39.48 |
| A38AX236Y | 21BSP4 | 39.48 |
| A38AX825Y | 21ALP4 | 27.58 |
| A38AX240Y | 21ALP4B | 41.44 |
| A38AX240Y | 21ALP4A | 41.44 |
| A38AX236Y | 21AMP4A | 39.48 |
| A38AX155Y | 21AP4 | 49.49 |
| A38AX553Y | 21ATPA | 41.44 |
| A38AX553Y | 21ATPA | 41.44 |
| A38AX554Y | 21AUP4A | 42.49 |
| A38AX554Y | 21AUP4B | 42.49 |
| A38AX554Y | 21AVPA | 40.25 |
| A38AX554Y | 21AVPA | 40.25 |
| A38AX554Y | 21AWPA | 39.55 |

| Cat. No. | Mfrs. No. | Net |
|-----------|-----------|--------|
| A38AX742Y | 21BT4 | 41.23 |
| A38AX752Y | 21C8PA | 41.93 |
| A38AX800Y | 21CEPA | 42.21 |
| A38AX807Y | 21DAP4 | 42.21 |
| A38AX814Y | 21DEPA | 42.21 |
| A38AX850Y | 21DFPA | 42.21 |
| A38AX504Y | 21EP4A | 42.21 |
| A38AX505Y | 21EP4B | 38.01 |
| A38AX214Y | 21FP4C | 35.98 |
| A38AX828Y | 21FF4C | 39.34 |
| A38AX156Y | 21MP4 | 49.21 |
| A38AX868Y | 21WP4 | 31.43 |
| A38AX829Y | 21WP4A | 37.87 |
| A38AX830Y | 21XP4 | 27.65 |
| A38AX831Y | 21XP4A | 39.48 |
| A38AX501Y | 21YP4 | 35.77 |
| A38AX556Y | 21YP4A | 38.50 |
| A38AX502Y | 21ZPA | 34.16 |
| A38AX511Y | 21ZPA | 36.96 |
| A38AX512Y | 24ADPA | 56.00 |
| A38AX512Y | 24CP4A | 56.00 |
| A38AX512Y | 24TP4 | 57.00 |
| A38AX832Y | 24DP4A | 57.96 |
| A38AX841Y | 24VP4A | 56.00 |
| A38AX832Y | 24YP4 | 57.96 |
| A38AX842Y | 21AXP22A | 108.00 |

More Picture Tubes on Page 137



TUBE HANDBOOKS AND MANUALS

RCA Receiving Tube Manual

(8 1/2" x 5 1/2"). 384 pages revised, expanded, up to date. Contains latest receiving tubes; types for black and white and color television applications; tube theory for laymen, application data; Resistance-Coupled Amplifier Section; several new circuits for hi-fi audio amplifiers. Lie flat binding.

A42F001 Postpaid in U.S.A. Net 1.00

RCA Transmitting Tube Handbook

(8 1/2" x 5 1/2"). 256 pages. Basic information on generic tube types, tube parts and materials, tube installation and application interpretation of tube data. Includes maximum ratings; typical operating values sections on Transmitter-design considerations, rectifier circuits.

A42F963 Postpaid in U.S.A. Net 1.00

RCA Receiving Tube Manual—FM, AM, TV (10 1/2" x 8 1/2"). 36 pages. New! Contains classification & characteristics charts, base and envelope connection diagrams on more than 700 types.

A42F076 Postpaid in U.S.A. Net .25

Mullard Circuits for Audio Amplifiers

130 page HI-FI bible on audio amps and preamps. Covers technical design considerations in easy-to-understand terms. Gives construction practices, circuits for power amplifiers ranging from 3 to 20 watts, preamplifiers, stereo amplifiers and tap preamps.

A42F232 Postpaid in U.S.A. Net 2.00

Mullard Valve & Electron Tube Handbook

Complete guide to over 500 foreign types. Includes data, direct replacement guide, near replacement guide and a tube number explanation. Also information on cathode ray tubes, photo cells, voltage regulators, semiconductors, transmitting tubes and Hi-Fi types.

A42F231 Postpaid in U.S.A. Net 1.75

Radiotron Designer's Handbook

(8 1/2" x 5 1/2"). 1500 pages. New, enlarged, up-to-date 4th Edition. Comprehensive, thorough reference covering design of radio and audio circuits and equipment. 1000 illustrations, 2500 references and cross-referenced index of 7000 entries.

A42F958 Postpaid in U.S.A. Net 7.00

Sylvania Technical Tube Manual

Information on over 1800 electronic devices including 1000 receiving tubes, 250 special purpose tubes, 265 picture tubes, 110 transistors, 138 crystal diodes. Loose leaf sheets in leatherette binder. Included in low price is supplementary program providing information on new types every 3 or 4 months.

A42F083 Postpaid in U.S.A. Net 3.00

GE "Tube Characteristics" Manual

260 pages. Provides service technician with a single source of reference containing data on every tube likely to be found in any home receiver—AM, FM, or TV as well as on some special purpose and industrial tubes. Sections devoted to "Interpretation of Technical Data—Receiving and Special Purpose Tubes", "quick reference" tube classification charts, tube listings.

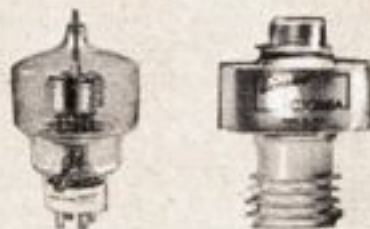
A42F932 Postpaid in U.S.A. Net 1.00

Now! Purchase Tubes on Easy Budget Plan! See Page 3.

SPECIAL PURPOSE TUBES

Brand New — Fresh Stock — No Surplus

This is a selected listing of special purpose tubes designed specifically to meet the needs of the ham and the electronics experimenter. This listing represents only a small fraction of the over 1000 types of special purpose tubes in our complete stock. If the tube you wish is not listed here then write to Radio Shack, indicating the type you wish. You can be sure that your order for any type will be filled immediately at the lowest current NET prices.



| Tube | Net | Tube | Net | Tube | Net | Tube | Net |
|--------|-------|--------|-------|-------|-------|------|-------|
| 0A2 | 1.50 | 5R4GYB | 2.03 | 919 | 5.50 | 7077 | 28.35 |
| 0A3 | 1.55 | 6AK6 | 1.40 | 920 | 6.40 | 7360 | 3.80 |
| 0A4G | 1.90 | 6AS6 | 3.45 | 921 | 3.45 | | |
| 0B2 | 1.45 | 6AS7G | 4.45 | 923 | 3.30 | | |
| 0B3 | 1.65 | 6J4 | 4.20 | 925 | 3.65 | | |
| 0C3 | 1.50 | | | 927 | 3.75 | | |
| 0D3 | 1.45 | 12AY7 | 2.42 | 928 | 5.25 | | |
| 1AE4 | 4.50 | 35T | 21.40 | 930 | 3.00 | | |
| 1AG4 | 3.05 | 100TH | 26.00 | 931-A | 11.00 | | |
| 1L4 | 1.37 | 250TH | 35.40 | 991 | .87 | | |
| | | 304TH | 60.50 | | | | |
| 2C39A | 22.50 | | | 1614 | 3.77 | | |
| 2C39B | 32.15 | 304TL | 60.50 | 1620 | 6.99 | | |
| 2C43 | 24.55 | 502A | 2.30 | 1621 | 2.60 | | |
| 2D21 | 1.30 | 807 | 3.00 | 1622 | 3.45 | | |
| 2E24 | 5.25 | 809 | 7.40 | 1624 | 5.75 | | |
| | | 810 | 25.65 | | | | |
| 2E26 | 3.85 | | | 1635 | 2.60 | | |
| 2E30 | 2.95 | 811A | 6.90 | 2050 | 2.40 | | |
| 2X2A | 2.90 | 812A | 6.90 | 5651 | 2.15 | | |
| 7A4 | 1.25 | 813 | 21.10 | 5687 | 4.25 | | |
| 3A5 | 1.78 | 814 | 23.60 | 5693 | 6.60 | | |
| | | 815 | 23.60 | | | | |
| 3828 | 6.00 | | | 5763 | 2.55 | | |
| 4-65A | 25.00 | 816 | 2.95 | 5881 | 3.50 | | |
| 4-125A | 36.00 | 826 | 23.60 | 6146 | 5.00 | | |
| 4-250A | 46.50 | 8298 | 19.00 | 6159 | 5.00 | | |
| 4-400A | 55.00 | 832A | 15.90 | 6293 | 6.40 | | |
| | | 833A | 47.90 | | | | |
| 4E27 | 40.00 | | | 6299 | 52.50 | | |
| 4X150A | 33.15 | 837 | 8.65 | 6360 | 5.15 | | |
| 4X250B | 42.50 | 866A | 2.90 | 6550 | 4.95 | | |
| 58P1A | 23.30 | 872A | 10.65 | 6883 | 5.00 | | |
| 5R4GYA | 2.05 | 917 | 3.50 | 7036 | 1.30 | | |
| | | 918 | 4.30 | | | | |

EIMAC AMATEUR TRANSMITTING TUBES

Finest quality from the world's largest manufacturer of transmitting tubes, widely used in amateur equipment for years. CX type shown is a ceramic tube — only 2 1/2" high x 1.65" diameter — yet is capable of 500 watts output power.

| Tube | Net |
|---------|-------|
| 2C39A | 22.50 |
| 2C39B | 32.15 |
| 4-65A | 26.75 |
| 4-125A | 36.00 |
| 4-250A | 46.50 |
| 4-400A | 55.00 |
| 4CX250B | 46.25 |
| 4CX300A | 55.00 |
| 4X150A | 33.15 |
| 4X250B | 42.50 |



AMPHENOL and CINCH-JONES Tube Sockets



AMPHENOL Sockets

A "MIP" SOCKETS — Bakelite, molded on steel mounting plate, cannot loosen or vibrate; mounting centers $1\frac{1}{16}$ " chassis hole $1\frac{3}{16}$ ".

| Cat. No. | Type | Contacts | Net |
|----------|---------|----------|-----|
| A02J022 | 77MIP4 | 4 | .13 |
| A02J023 | 77MIP5 | 5 | .15 |
| A02J024 | 77MIP6 | 6 | .17 |
| A02J025 | 77MIP7S | 7 Small | .18 |
| A02J026 | 77MIP7L | 7 Large | .18 |
| A02J027 | 77MIP8 | octal | .15 |
| A02J028 | 88-8* | 8 Small | .16 |
| A02J030 | 77MIP9 | 9 | .17 |
| A02J031 | 77MIP11 | 11 | .20 |
| A02J090 | 77MIP12 | 12 | .20 |
| A02J091 | 77MIP20 | 20 | .51 |

*Requires $1\frac{1}{16}$ " hole.

RING TYPE 5—Extremely compact; require minimum chassis area; firmly held by No. 4 Amphenol retainer ring; fit panels .044 to .062" thick; body molded of high dielectric black bakelite. Easily changed without damage to panel.

| Cat. No. | Type | Contacts | Net |
|----------|----------|----------|-----|
| A02J001 | 7854 | 4 | .12 |
| A02J002 | 7855 | 5 | .13 |
| A02J003 | 7856 | 6 | .15 |
| A02J007 | 7858 | octal | .15 |
| A02J010 | 78-A7P | 7 | .33 |
| A02J011 | 78-A9P | 9 | .32 |
| A02J041 | 4955111* | 11 | .82 |

*11 contact; $1\frac{1}{16}$ " pin circle for CR and TV tubes; mts. in $1\frac{1}{16}$ " hole; steatite. **REPLACEMENT TYPE RS**—Same socket, ring-mounted in nicked steel plate slotted holes for mounting centers $1\frac{1}{16}$ " to $1\frac{3}{16}$ ".

| Cat. No. | Type | Contacts | Net |
|----------|--------|----------|-----|
| A02J012 | 78R54 | 4 | .17 |
| A02J013 | 78R55 | 5 | .19 |
| A02J014 | 78R56 | 6 | .20 |
| A02J015 | 78R57S | 7 Small | .21 |
| A02J016 | 78R57L | 7 Large | .19 |
| A02J018 | 78R58 | octal | .19 |
| A02J021 | 78R59 | 9 | .22 |
| A02J130 | 78R511 | 11 | .24 |

CINCH-JONES Tube Sockets

B 7 & 9 PIN TUBE SOCKETS: Bottom mount, molded saddle types. 7 Pin types require a $\frac{1}{16}$ " mounting hole, mount on $\frac{1}{16}$ " centers. 9 Pin types require a $\frac{1}{16}$ " mounting hole, $1\frac{1}{16}$ " centers.

| Cat. No. | Mfrs. Type | Pins | Construction | Net |
|----------|------------|------|--------------|-----|
| A02J525 | 7EB | 7 | Bakelite | .09 |
| A02J527 | 7EM | 7 | Mica | .11 |
| A02J528 | 9EB | 9 | Bakelite | .12 |

C 7 & 9 PIN SHIELD-BASE TUBE SOCKETS: Top mount shield base sockets. 7 Pin requires a $\frac{1}{16}$ " mounting hole, mounts on $\frac{1}{16}$ " centers. 9 Pin requires a $\frac{1}{16}$ " mounting hole, $1\frac{1}{16}$ " centers.

| Cat. No. | Mfrs. Type | Pins | Construction | Net |
|----------|------------|------|--------------|-----|
| A02J465 | 7XB1 | 7 | Bakelite | .17 |
| A02J467 | 7XC | 7 | Ceramic | .31 |
| A02J466 | 7XM1 | 7 | Mica | .20 |
| A02J475 | 9XM | 9 | Mica | .27 |
| A02J474 | 9XB | 9 | Bakelite | .24 |

D CINCH MINIATURE 9-PIN AND 7-PIN "J" SLOT SHIELDS

| Cat. No. | CINCH | Tube | Ht., in. | Net |
|----------|-------|-------|-----------------|-----|
| A02J471 | 951 | 9 pin | $1\frac{1}{2}$ | .20 |
| A02J472 | 952 | 9 pin | $1\frac{1}{16}$ | .22 |
| A02J473 | 953 | 9 pin | 2 3/8 | .28 |
| A02J468 | 75J2 | 7 pin | 1 3/8 | .14 |
| A02J469 | 75J3 | 7 pin | 1 3/8 | .15 |
| A02J470 | 75J4 | 7 pin | 2 1/2 | .17 |

E SECOND ANODE CONNECTORS — For TV tubes. Silver plated snap button plug insulated by $1\frac{1}{16}$ " dia. rubber cap. Snaps into opening on side of tube. 18" wire lead.

A02J484 Cinch 3A4.....Net .93

F TYPE 3A1 — Second anode connector for diheptal based tubes. Cadmium plated brass contact surrounded by rubber insulator $\frac{3}{4}$ " wide by $1\frac{1}{16}$ " long. Snaps over .096" diameter prong on side of diheptal tubes.

A02J485 Cinch 3A1.....Net .56

J MOLDED OCTAL TUBE SOCKETS: Bottom mount molded saddle types. Require a 1" chassis hole, mounts on $1\frac{1}{16}$ " centers. Steel saddle with 4 ground lugs.

| Cat. No. | Mfrs. Type | Pins | Construction | Net |
|----------|------------|------|--------------|-----|
| A02J460 | 8AB | 8 | Bakelite | .08 |
| A02J661 | 8AM | 8 | Mica | .12 |

CINCH SUB-MINIATURE SOCKETS—Molded of mica-filled low-loss bakelite with silver plated beryllium copper contacts. Available with 3, 5, 6, 7, or 8 contacts. 4-prong tubes use No. 2H5 5-prong socket. No. 2H5 can be used as transistor socket. No. 5PC for printed circuits. No. 5WC for wired circuits. Mtg. ring incl.

| Cat. No. | Type | Fig. | Prongs | Net |
|----------|--------|------|--------|-----|
| A02J205 | CJ-2H3 | K | 3 | .20 |
| A02J301 | CJ-2H5 | L | 5 | .27 |
| A02J302 | CJ-2H6 | — | 6 | .28 |
| A02J303 | CJ-2H7 | — | 7 | .30 |
| A02J206 | CJ-5PC | M | 5 | .36 |
| A02J207 | CJ-5WC | N | 5 | .39 |
| A02J208 | CJ-85M | O | 8 | .52 |

14-PRONG DIHEPTAL SOCKETS—For CRT and TV tubes, steatite. $2\frac{1}{2}$ " W, $1\frac{1}{16}$ " H.

| Cat. No. | Cinch | Description | Net |
|----------|-------|--------------------|------|
| A02J479 | 3B14 | Block socket | 1.48 |
| A02J480 | 3M14 | Mica-filled socket | 1.86 |
| A02J481 | 3R14 | Steel mount, ring | .31 |

P WAFER SOCKETS: Laminated Bakelite sockets with solder coated contacts.

| Cat. No. | Mfrs. Type | Description | Mtg. Ctrs. | Net |
|----------|------------|------------------|-------------------|-----|
| A49J384 | 8W1 | Octal Wafer | $1\frac{1}{16}$ " | .08 |
| A49J385 | 8W2 | Octal Wafer | $1\frac{1}{16}$ " | .08 |
| A49J386 | 9W1 | 9 Pin Min. Wafer | $1\frac{1}{16}$ " | .08 |
| A49J387 | 9W2 | 9 Pin Min. Wafer | $1\frac{1}{16}$ " | .09 |
| A49J381 | 7W2A | 7 Pin Min. Wafer | $\frac{3}{8}$ " | .07 |
| A49J382 | 7W12 | 7 Pin Min. Wafer | 1" | .07 |

Q Vector Terminal Turrets

VECTOR OCTAL SOCKET-TURRETS

| Cat. No. | Type | Ht., in. | Terms | Net |
|----------|---------|----------------|-------|-----|
| A02J280 | 10-0-9T | $2\frac{1}{2}$ | 9 | .60 |
| A02J281 | 8-0-9T | 2 | 9 | .57 |
| A02J282 | 6-0-6T | $1\frac{1}{2}$ | 6 | .51 |

MINIATURE SOCKET-TURRETS, 7 PIN

| Cat. No. | Type | Ht., in. | Terms | Net |
|----------|--------|----------------|-------|-----|
| A02J286 | 8-M-9T | 2 | 9 | .66 |
| A02J288 | 6-M-6T | $1\frac{1}{2}$ | 6 | .60 |
| A02J278 | S7 | shield base | | .09 |

NOVAL SOCKET-TURRETS, 9 PIN

| Cat. No. | Type | Ht., in. | Term. | Net |
|----------|--------|----------------|-------|-----|
| A02J292 | 8-N-9T | 2 | 9 | .66 |
| A02J294 | 6-N-6T | $1\frac{1}{2}$ | 6 | .60 |
| A02J279 | S9 | shield base | | .09 |

AXIAL SCREW TYPE SOCKET-TURRETS

| Cat. No. | Type | Tube Size | Term. | Ht., in. | Net |
|----------|---------|-----------|-------|----------|-----|
| A02J551 | 8MB-9 | 9 | 9 | 2.0 | .72 |
| A02J552 | 10MB-12 | 9 | 12 | 2.5 | .78 |
| A02J555 | 8NB-9 | 7 | 9 | 2.0 | .72 |
| A02J556 | 10NB-12 | 7 | 12 | 2.5 | .78 |
| A02J557 | 12NB-12 | 7 | 12 | 3.0 | .81 |

CBS Tube Accessories



| Cat. No. | Hytron | Description | Net |
|----------|--------|----------------------|------|
| A17J268 | SH27 | 7-pin min. adapter | 1.65 |
| A17J242 | SH28 | 8-pin octal adapter | 1.55 |
| A17J243 | SH29 | 9-pin min. adapter | 1.85 |
| A17J263 | SH17 | 7-pin straightener | .98 |
| A17J264 | SH19 | 9-pin straightener | .98 |
| A17J269 | SH37 | 7.9 pin straightener | 1.00 |
| A17J266 | SH23 | Tube puller—7 pin | .75 |
| A17J267 | SH23A | 9 pin tube puller | .75 |
| A17J261 | SH14 | Tube tapper & pencil | .10 |
| A17J260 | SH21 | Tube lifter | .32 |

E. F. Johnson Tube Sockets

G BAYONET TUBE SOCKETS. Rugged bayonet socket for medium 4 pin tubes such as the 866A or the 811A.

A02J247 123-209-1 Std. Type...Net 1.50

SOCKETS FOR TUBE TYPES 4X150A, 4X150D, 4X250B, 4CX250B, 4X250F, 7034 and 7035.

TYPE 124-107-1. Basic socket with cathode terminals insulated. Sub-chassis mount thru $1\frac{1}{2}$ " hole.

A02J088 124-107-1.....Net 5.50

TYPE 124-108-1. Same as 124-107-1 except cathode terminals are grounded.

A02J089 124-108-1.....Net 5.85

TYPE 124-109-1. Basic socket without mtg. ring. Cathode terminals insul.

A02J209 124-109-1.....Net 5.00

H JOHNSON STEATITE WAFERS

| Cat. No. | Johnson Type | Description | Net |
|----------|--------------|-------------------|------|
| A02J429 | 122-224-1 | 4-Pin Standard | .69 |
| A02J430 | 122-225-1 | 5-Pin Standard | .76 |
| A02J431 | 122-228-1 | Octal Standard | .97 |
| A02J245 | 122-244-1 | 4-Pin Super-jumbo | 1.60 |
| A02J255 | 122-237-1 | 7-Pin Giant | 1.20 |
| A02J246 | 122-275-1 | 5-Pin Giant | 1.90 |

SPECIAL JOHNSON SOCKETS

A02J427 124-213-1 For Eimac 152TL, 304TL 1.85

EICO

Quality Test Equipment Kits

VOM's, PROBES, VTVM'S

EICO Redi-Tester Model 540

(A) Designed for "do-it-yourself" home appliance and auto repair. Finds defects in irons, fans, TV and radio tubes, batteries, ignition coils, etc. A multi-range AC/DC voltmeter, ohmmeter, ammeter, wattmeter, leakage checker. Versatile, dependable, low cost. 5 voltage ranges 0-300V, current 0-15 amps in AC or DC. Ohms 0-1000. Resistor leakage 1000-2,000,000 ohms. Voltage 300 V AC or DC. Good-had reading of 6, 12 V batteries. 3 1/2" meter. Size: 3 1/2"x6 1/2"x3 1/2". Ship. wt. 4 lbs.

A32HX666, #540-K, Kit.....Net 12.95
A32HX667, #540-W, Wired.....Net 15.95

Model No. 214 Voltmeter

(B) Deluxe Vacuum Tube Voltmeter/Ohmmeter. All the versatility and performance proven features of the model #221—plus the extra convenience and legibility of a large, 7 1/2" meter face. Steel case; lifetime, deep-etched aluminum panel. Operates on 105-125V AC, 50/60 cps, 10w. Size: 9"H x 13 1/4"W x 6"D. Ship. wt. 12 lbs.

A32HX701Y, #214-K, Kit.....Net 34.95
A32HX702Y, #214, Wired.....Net 54.95

V-O-M Model No. 536

(C) EICO 1,000 Ohms/Volt, V-O-M. Here is the only 1,000 ohms/volt Multi-meter with a full scale zero-to-one volt range for accurate low-volt readings! 31 ranges!
SPECIFICATIONS: AC/DC Voltage Ranges: 0-1, 5, 10, 50, 100, 500, 5000v. AC/DC Sensitivity: 1000 ohms/volt. AC/DC Current Ranges: 0-1 ma, 10 ma, 0.1 amp, 1 amp. Ohms Ranges: 0-5000 ohms, 100K ohms, 1 megohm. DB Ranges: -20 to +69 in 6 ra. Size: 6 1/2"H x 3 1/4"W x 2 1/4"D. Ship. wt. 2 1/2 lbs.

| Cat. No. | Mfr. No. | Description | Net |
|----------|----------|-----------------------|-------|
| A32HX195 | 526K | Kit, 1% resistors | 13.90 |
| A32HX263 | 536K | Kit, STD. resistors | 12.90 |
| A32HX196 | 526 | Wired, 1% resistors | 16.90 |
| A32HX264 | 536 | Wired, STD. resistors | 14.90 |

V-O-M Model No. 565

(D) 20,000 Ohms/Volt V-O-M. Completely battery-operated. Ideal for portable applications, field work and remote locations. Measures AC and DC voltages, DC current, resistance and decibels. High current range for complete appliance testing. 31 ranges for maximum versatility. Beautiful, gleaming case, molded of high impact black bakelite.
SPECIFICATIONS: DC Voltage: Ranges 0-2.5, 10, 50, 250, 1000, 5000v. Sensitivity: 20,000 ohms/volt. AC/Output Voltage: Ranges 0-2.5, 10, 50, 250, 1000, 5000v. Sensitivity: 1000 ohms/volt. DC Current: 0-100 μ a, 10 ma, 100 ma, 500 ma, 10 amp. Decibels: -12 to +55 db in 5 ranges. Resistance: Ranges 0-2000 ohms, 0-2 meg. Size 6 1/2"H x 5 1/4"W x 3"D. Ship. wt. 4 lbs.

| Cat. No. | Mfr. No. | Description | Net |
|-----------|----------|-----------------------|-------|
| A32HX197Y | 555K | Kit, 1% resistors | 29.95 |
| A32HX290Y | 565K | Kit, STD. resistors | 24.95 |
| A32HX188Y | 555 | Wired, 1% resistors | 34.95 |
| A32HX291Y | 565 | Wired, STD. resistors | 29.95 |

TIME PAY PLAN

you can pay for your test equipment while you save with it!

Up to 24 months to pay! See Page 3 for details!



EICO VTVM No. 221

(E) RUGGED VACUUM TUBE VOLTMETER. Improved double triode balanced bridge circuit for accuracy and stability, high impedance 25 megohm input for negligible circuit loading, large 4 1/2" meter, center-scale zero adjustment for TV and FM alignment, DB scale for high gain measurement, and transformer operated for isolation and safety. **SPECIFICATIONS:** DC VOLTMETER, Ranges 0-5, 10, 100, 500, 1000 volts to 30 kv with HVP probe, accuracy \pm 3%; AC VOLTMETER, Ranges 0-5, 100, 500, 1000 volts, accuracy \pm 5%. 20-20,000 cps freq. response up to 200 mc with PRF probe; OHMMETER, 0-1000 ohms, 10,000 ohms, 1 megohm, 10 megohms, 1000 megohms; DB RANGES, 20 to -55 db in 5 ranges. SIZE, 9 1/2"x6x5". Ship. wt. 10 lbs.

A32HX134Y #221-K, Kit.....Net 25.95
A32HX135Y #221, wired.....Net 39.98
A32H627 CC-1, Carrying Case.....Net 3.95

VTVM Model No. 249

DELUXE PEAK-TO-PEAK VTVM WITH UNI-PROBE. All the features of model #232 above, plus the extra convenience of its big 7 1/2" meter. An ideal bench instrument for color and monochrome TV servicing. It's a terrific time-saver! One probe performs all functions. Size: 8 1/2" H x 13" W x 5" D. Wt. 10 lbs.
A32HX373Y #249, Kit.....Net 39.95
A32HX374Y #249, Wired.....Net 59.95

High Voltage Probe

Factory wired only. HV probe designed and insulated for safety and versatility. Extends range of VTVMs and voltmeters to 30,000 volts. Lucite head. Large flashguards. Multi-layer processed handle. Interchangeable ceramic multiplier.
A32H105 HVP-1 (Wired).....Net 6.95

VTVM Accessory Probes

Type PRF probes extend the high frequency response of your VTVM to 250 MC. Accuracy \pm 10%.

| Cat. No. | Type No. | Description | Net |
|----------|----------|--|------|
| A32H605 | PTF-11K | Peak to Peak Probe Kit, for Models 232, 249 | 4.95 |
| A32H604 | PTF-11 | Peak to Peak Probe Wired for Models 232, 249 | 6.95 |
| A32H595 | PTP-25K | Peak to Peak Probe Kit for Models 221, 224 | 3.75 |
| A32H596 | PTP-25 | Peak to Peak Probe Wired for Models 221, 224 | 4.95 |
| A32H593 | PRF-11K | RF Probe Kit for Models 232, 249 | 4.95 |
| A32H594 | PRF-11 | RF Probe Wired for Models 232, 249 | 6.95 |
| A32H104 | PRF-25K | RF Probe Kit for Models 221, 214 | 3.75 |
| A32H072 | PRF-25 | RF Probe Wired for Models 221, 214 | 4.95 |
| A32H606 | HVP-2 | High Vltg. Probe Wired | 4.95 |

V-O-M Model No. 566

(F) 1,000 OHMS/VOLT Millimeter. Versatile, easily-read, 400 μ a meter, 2-color scales. New high quality instrument rectifier in dual half-wave hook-up. Both shunt and series rectifier compensation for uniform accuracy. One set of precision divider resistors on both AC and DC minimizes switching.
SPECIFICATIONS: AC/DC Output Ranges: 0-1, 5, 10, 50, 100, 500, 5000v. AC/DC Current Ranges: 0-1 ma, 10 ma, 0.1 amp, 1 amp. Ohms Ranges: 0-5000 ohms, 100K ohms, 1 megohm. 6 1/2" H x 5 1/4" W x 3" D. Ship. wt. 4 lbs.

| Cat. No. | No. | Description | Net |
|-----------|------|-----------------------|-------|
| A32HX265Y | 556K | Kit, 1% resistors | 16.90 |
| A32HX267Y | 566K | Kit, STD. resistors | 14.90 |
| A32HX266Y | 556 | Wired, 1% resistors | 23.50 |
| A32HX268Y | 566 | Wired, STD. resistors | 18.95 |



P-P VTVM

#232

\$29.95

ONLY \$5 MONTHLY

Dual-Purpose; AC/DC with Uni-Probe. Peak-to-peak measurement of complex voltage waveforms; and RMS measurement of sine wave AC voltages; DC voltage and resistance measurements. Dual purpose AC/DC UNI-PROBE selects DC or AC-Ohms. 4 1/2" meter. Zero-center for TV-FM discriminator alignment.

SPECIFICATIONS: Peak-to-Peak AC Voltmeter Ranges: 0-4, 14, 42, 140, 420, 1400, 4200v. RMS Sine Voltage Ranges: 0-1.5, 5, 15, 50, 150, 500, 1500v. DC Voltage Ranges: 0-1.5, 5, 15, 50, 150, 500, 1500v. Frequency response: 30 cps to 3 mc. Ohmmeter: 0.2 ohms to 1000 megohms in 7 ranges. Power: 105-125V AC, 50/60 cps. Size: 8 1/2" H x 5" W x 5" D. Ship. wt. 8 lbs.

A32HX371Y #232, Kit.....Net 29.95
A32HX372Y #232, Wired.....Net 49.95

EICO Test Equipment Kits



A EICO DELUXE RF SIGNAL GENERATOR KIT #315

For radio servicing, AM and FM stage alignment, checking RF stages. Marker generator for TV alignment, 400 cps sine wave audio testing, accurate calibration for experimental use, 1% accuracy on 7 ranges, precise frequency adjustment, illuminated dial, gear-driven hairline pointer. **SPECIFICATIONS:** Freq. range: Fundamentals; 75 kc to 50 mc, 5 ranges, Harmonics; 13 to 50 mc, 2 ranges. RF output 100,000 μ v, AM freq.; 400 cps. Power: 115 VAC, 60 cycles. Size: 13" x 12" x 7". Ship. wt. 23 $\frac{1}{2}$ lbs.

A32HX136Y Kit... \$5 Monthly, Net 39.95
A32HX141Y Assembled... \$5 Mo., Net 59.95

B EICO RF SIGNAL GENERATOR #324

One generator to cover the whole range of 150 kc to 435 mc. More features, versatility, range and accuracy than many generators at 3 to 4 times the cost. Use for IF-RF alignment, signal tracing, trouble shooting of TV, FM and AM sets. 400 cps sine wave audio testing. Has 6:1 vernier tuning knob and excellent spread at important alignment frequencies. Turret-mounted, slug-tuned coils for maximum accuracy. **SPECIFICATIONS:** six bands; 150-1200 kc, 1.2-435 mc. RF output; 100,000 MV, AF output to 10 V. 5 way jack-top binding posts for AF in/out, coaxial connector and shielded cable for RF out. Power: 115 VAC, 60 cy. Size: 8" H x 10" W x 4 $\frac{1}{2}$ " D. Wt. 12 lb.

A32HX298Y, Kit... \$5 Monthly, Net 26.95
A32HX299Y, Assembled \$5 Mo., Net 39.95

C EICO MODEL 368 SWEEP GENERATOR, MARKER

For color and monochrome TV service. Many new features never offered in this price range, provides more ranges and better performance than any competitive unit. Easy, accurate alignment of all FM and TV monochrome and color receivers. Electronic sweep circuit, no moving parts. Excellent linearity. RF output automatically adjusts oscillator for max. output on each band. Double pi isolation filter. High tuning accuracy, edge-lit hairlines. Cold alignment of all circuits possible. **SPECIFICATIONS:** 5 sweep ranges; 3-216 mc, 4 marker ranges; 2-225 mc. Crystal marker includes 4.5 mc crystal, others can be used. External marker; up to 3 pips on 1 trace. Attenuators; continuously variable marker control. 2-way blanking. Sweep width; 0-30mc. Output impedance, 50 ohms. Cables; output scope horizontal, and compensated scope vertical cable, 115 VAC, 60 cycles, 8 $\frac{1}{2}$ " Hx13 $\frac{1}{2}$ " Wx7 $\frac{1}{4}$ " D. Ship. wt. 18 lbs.

A32HX664Y, Kit... \$5 Monthly, Net 69.95
A32HX665Y, Wired... \$5 Monthly, Net 110.95

D EICO SINE AND SQUARE WAVE AUDIO GENERATOR MODEL 377

For the hi-fi enthusiast and the radio-TV serviceman. Separate sine and square wave generators usually each cost more than this one unit. For amplifier testing and design, recover fidelity and loudspeaker response, TV square wave testing, filter compensating circuits, and frequency measurement with oscilloscopes. **SPECIFICATIONS:** Accuracy: $\pm 3\%$ or 1 cps. Freq. range: Sine wave; 20-200,000 cps in 4 bands, Square wave; 60-50,000 cps. Freq. response: ± 1.5 db, 60-150,000 cps. Output volts; 10V across 500 ohms, 115 VAC 60 cycles. Size: 7 $\frac{1}{2}$ " H x 11 $\frac{1}{2}$ " W x 7 $\frac{1}{2}$ " D. Wt. 16 lbs.

A32HX703Y, Kit... \$2 Down, Net 31.95
A32HX704Y, Assem.... \$2 Down, Net 49.95

5MC CRYSTAL Highest quality precision crystal, fits standard socket on all instruments needing it, including EICO #360.
A32H106 Net 3.95



Eico Model 425 5" Oscilloscope Kit

ONLY \$44⁹⁵
\$5 MONTHLY

This scope gives accurate reproduction of wave forms and other electronic phenomena. High sensitivity, rugged construction for TV, radio servicing, and ham use. Full-screen V & H centering, sweep blanking, reduced retrace time. Freq. response; V & H 5 cps to 500 kc. Input imp.; V & H-1 megohm. Vertical sensit.; .05 to 1 V rms/inch, 115VAC, 60 cycle. 15x8 $\frac{1}{2}$ x17 $\frac{1}{2}$ ". Ship. wt. 33 lbs.

A32HX130Y #425 Kit, \$5 Mo., Net 44.95
A32HX131Y #425... \$5 Monthly, Net 79.95

E ELECTRONIC SWITCH KIT #488

Makes one scope as useful as two in many cases. Simultaneously observe two patterns on one scope. Compare voltage and current amplitudes, waveforms, frequencies, and phase relationships. Very useful as a square wave generator, also. **SPECIFICATIONS:** Approximate switching rates (also square wave generator ranges); All ranges continuously variable. Low; 10 cps to 100 cps, Middle; 50-400 cps, High; 250-2000 cps. Two signal amplifiers. Freq. response; DC to 30,000, useful to 300,000 cps. Max. gain; 10 times. Input; 100,000 ohms. Output impedance; 50,000 ohms. Operates on 115 VAC, 60 cycle. 6"x8"x6". Ship. wt. 9 lbs.

A32HX286Y Kit... \$5 Monthly, Net 23.95
A32HX287Y Wired... \$5 Monthly, Net 39.95

F #495 VOLTAGE CALIBRATOR KIT

Multiplies oscilloscope usefulness. Makes your scope a wide-range, accurate peak-to-peak AC electronic voltmeter. Excellent for color and monochrome TV servicing. Generates nearly perfect square wave signals of known value to calibrate oscilloscope displays, and to find the value of unknown signals by comparison. **SPECIFICATIONS:** Output; waveshape semi-square, frequency-line ranges; 0.1, 0-1, 0-10, 10-100 volts peak-to-peak. Accuracy; 5% full-scale. Power; 115 volts AC, 60 cycles. Rugged steel case. Size: 5" x 7 $\frac{1}{2}$ " x 4". Ship. wt. 5 $\frac{1}{2}$ lbs.

A32HX592 Kit... Net 12.95
A32HX591 Assembled... Net 17.95

OSCILLOSCOPE ACCESSORY PROBES

| Cat. No. | Type No. | Description | Net |
|----------|----------|--------------------------|------|
| A32H137 | PSOK | Demodulator Probe Kit | 3.75 |
| A32H073 | P30 | Demodulator Probe Wired | 3.75 |
| A32H601 | PDK | Direct Probe Kit | 2.75 |
| A32H600 | PD | Direct Probe Wired | 3.95 |
| A32H603 | PLCK | Low Capacity Probe Kit | 3.75 |
| A32H602 | PLC | Low Capacity Probe Wired | 3.75 |

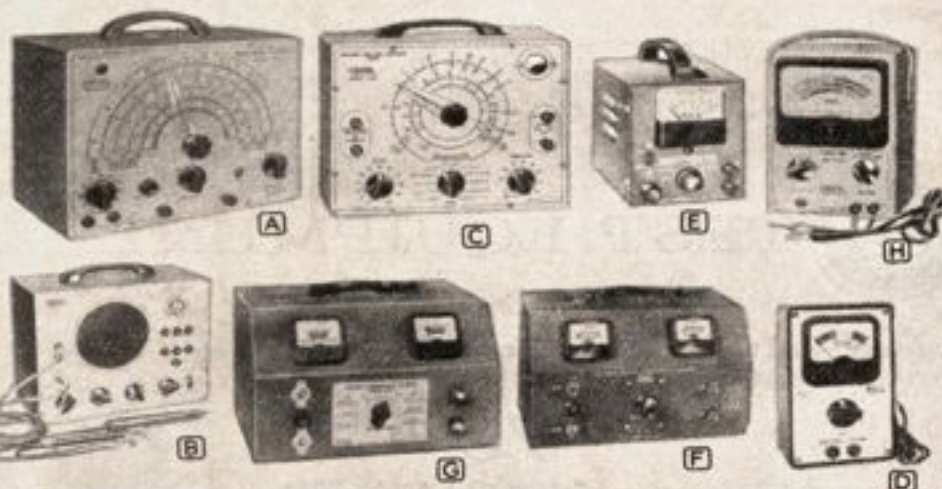


#460 EICO 5" OSCILLOSCOPE

ONLY \$79⁹⁵
\$5 MONTHLY

A wide band scope for all TV servicing, audio testing. Flat from DC to 4.5 mc for 3.58 mc sync burst and oscillator signals in color TV sets. Choice of direct coupling (DC) or capacitive coupling (AC), balanced/unbalanced inputs, 4-step frequency-compensated attenuator AC and DC. Automatic sync limiter and amplifier. Preset TV V and H sweep. Edge-lit lucite graph screen. Easily wired at home. Bandwidth 5 mc. **SPECIFICATIONS:** Sensitivity; Vertical; 25 rms μ v/inch. Horizontal; 6 rms μ v/inch. Input imp. H & V, 3 megs shunted by 35 μ af at 1 kc. Freq. response; Vertical; flat DC to 4.5 mc, Horizontal; flat 1 cps to 400 kc. Positioning; Vertical; instantaneous, drift-free, center any part of trace expanded to undistorted max. Horizontal; 2X full screen permits examination of any part of trace. Size: 13x8 $\frac{1}{2}$ x16". Power; 115 VAC. Ship. wt. 30 lbs.

A32HX620Y Kit... \$5 Monthly, Net 79.95
A32HX621Y Assembled \$7 Mo., Net 129.50



EICO VHF-UHF TV and FM SWEEP GENERATOR MODEL #360K

A For professional alignment of VHF-UHF TV and FM receivers. Video IF alignment and response curve adjustment, sound IF and sound detector alignment, 30 mc maximum sweep width obtained with mechanical inductive sweep. Continuous sweep width control from 0-30 mc. to 1 vernier dial ratio. Crystal marker oscillator with variable amplitude control. Precision 5 and 4.5 mc crystals available, see page 142.
SPECIFICATIONS: Frequency range: 500 kc to 228 mc. Power requirements: 105-125v AC, 50/60 cps. Size: 8"Hx10"Wx 6"D. Ship. wt. 14 lbs.
A32HX630, Kit... \$5 Monthly, **NET 34.95**
A32HX631, Wired... \$5 Monthly, **NET 49.95**

DELUXE MULTI-SIGNAL TRACER MODEL #147

B Two separate input channels assure max. adaptability for RF and AUDIO work: high-gain RF and low-gain AUDIO. Visual and aural signal monitors (eye tube and speaker). Output for VTVM.
SPECIFICATIONS: Power requirements: 105-125v AC, 50/60 cps, 40w. Size: 8"x10"x4 1/2". Ship. wt. 14 lbs.
A32HX288Y, Kit... \$5 Monthly, **NET 24.95**
A32HX289Y, Wired... \$5 Monthly, **NET 39.95**

RESISTANCE-CAPACITANCE BRIDGE AND R-C-L COMPARATOR #950B

C The only instrument of its kind with a Comparator Range for measurement of capacitance, resistance and inductance with a complementary component as a standard!
SPECIFICATIONS: Capacity: 4 ranges . . . 10 mmf to 5000 mf. Resistance: 4 ranges . . . 5 ohms to 500 megohms. Comparator: 1 range . . . ratio from .05 to 20. DC polarizing voltage: 0 to 500v DC (continuously variable). Power requirements: 105-125v AC, 50/60 cps. Size: 8"Hx 10"Wx4 1/2"D. Ship. wt. 9 lbs.
A32HX193Y, Kit... \$2 Down, **NET 19.95**
A32HX194Y, Wired... \$5 Monthly, **NET 29.95**

EICO SUPER-SENSITIVE BATTERY TESTER #584

D For fast running check of battery stock, testing of batteries commonly in portable vacuum tube and transistor radios, hearing aids, flashlights, photo-flash equipment, etc. Accurately tests all A and B portable radio batteries, lantern batteries and others.
SPECIFICATIONS: Test positions (volts): 1.5, 4.5, 7.5, 22.5, 45, 67.5, 75.6, 9, 90, plus spare position. Size: 6 1/4"Hx3 3/4"Wx 2"D. Ship. wt. 2 1/2 lbs.
A32HX607, Kit... \$5 Monthly, **NET 9.95**
A32HX608, Wired... \$5 Monthly, **NET 12.95**

MODEL #1020 POWER & BIAS SUPPLY FOR TRANSISTORIZED EQUIPMENT

E Completely transistorized, very low ripple, portable DC power has bias supply providing continuously variable output voltage monitored by a dual range voltmeter.
SPECIFICATIONS: Max. output current capacity (continuous): 150 ma fom 0-12v., 200 ma fom 12-24v., 300 ma fom 24-30v. Fuse: 1/2 amp. will blow in case of short circuit to protect unit. Ripple: (120 cps): 1/200 of 1% at full load. Size: 5"Hx4"Wx5 1/2"D. Ship. wt. 5 lbs.
A32HX590, Kit... \$2 Down, **NET 19.95**
A32HX589, Wired... \$5 Monthly, **NET 27.95**

NEW BATTERY ELIMINATOR AND CHARGER #1060

F Designed for servicing transistorized as well as vacuum-tube equipment. Powers the newest all-transistor 6 and 12v equipment.
SPECIFICATIONS: Voltage ranges: 0-8v, 0-16v. Meters: Voltmeter-0-20v, Ammeter 0-10, 0-20 amps. Size: 8"Hx 10 1/2"Wx7 1/2"D. Ship. wt. 22 lbs.
A32HX670Y, Kit... \$5 Monthly, **NET 38.95**
A32HX671Y, Wired... \$5 Monthly, **NET 47.95**

6V-12V BATTERY ELIMINATOR AND CHARGER #1050

G For servicing vacuum tube auto radios and all other battery-powered equipment where AC ripple component is not an important factor. Not recommended for transistor work.
SPECIFICATIONS: Voltage ranges: 0-8v, 0-16v. Power requirements: 105-125v AC, 50/60 cps; 150w. Size: 8"Hx 10 1/2"Wx7 1/2"D. Ship. wt. 17 lbs.
A32HX293Y, Kit... \$5 Monthly, **NET 29.95**
A32HX294Y, Wired... \$5 Monthly, **NET 38.95**

BATTERY ELIMINATOR ACCESSORY FILTER MODEL #1055

L-C filter provides additional filtering of the DC output of the EICO #1050 Battery Eliminator, or similar low-voltage power supplies, when used for powering transistor or "hybrid" auto radios or equipment requiring extremely low AC ripple.
A32H668, Kit... \$5 Monthly, **NET 11.95**
A32H669, Wired... \$5 Monthly, **NET 15.95**

FLYBACK TRANSFORMER AND YOKE TESTER #944

H Positive check of all types of fly-backs and yokes in or out of set-in just seconds! Operates on the sensitive grid-dip principle—shows up even 1 shorted turn! Separate calibration for air-core and iron-core flybacks assures accuracy. Compact for easy portability.
SPECIFICATIONS: Power requirements: 105-125v AC, 50/60 cps. Size: 7"Hx 5"Wx4"D. Ship. wt. 6 lbs.
A32HX369Y, Kit... \$5 Monthly, **NET 23.95**
A32HX370Y, Wired... \$5 Monthly, **NET 34.95**



EICO Tube Tester Model No. 625

TUBE TESTER #625—A must for TV servicing. Simply test set-up procedure for checking emission, shorted elements, open elements, and continuity. Ten individual lever-type element switches for complete flexibility and guarantee against obsolescence. 4 1/2" rugged, bakelite-cased meter with 3-color REPLACE-WEAK-GOOD scale. Tests new 600 mil series string type tubes. Pilot light test socket (contact type). Brightly illuminated, gear driven, "SPEEDROLL" roll chart with special anti-backlash design. Protective overload bulb shows transformer overloads and acts as fuse. Line adjust control. Two grid caps for extra convenience. Spare blank socket for future tube types. Roll charts kept up-to-date periodically by EICO's Engineering Department.

SPECIFICATIONS: Type of tube tester: Cathode Conductance (Emission). Tube condition indicator 4 1/2" meter. Tube types that may be tested; 4, 5, 6, large and small 7, octal, loctal, noval, hytron, VR, magic eye and pilot lamps. Individual element tests; short and continuity (neon lamp indicator), open (meter indicator). Method of line voltage adjustment; power rheostat in transformer primary with meter as indicator. Rectifier for line voltage adjustment; 6H6 tube for stability and easy replacement. Power requirements: 105-125 VAC, 50/60 cps, 6w. 9 1/2"Hx12 1/2"Wx4 1/2"D. Ship. wt. 14 lbs.

A32HX057Y, Kit... \$5 Monthly, **NET 34.95**
A32HX058Y, Wired... \$5 Monthly, **NET 49.95**
A32H626, Lid for tube tester #625. **NET 3.98**



TUBE AND TRANSISTOR TESTER MODEL #666

MODEL #666—Ideal for color and monochrome TV servicing. Tests all receiving tubes including 4, 5, 6 and 7-pin octal, loctal, miniature 7 and 9-pin, subminiature 5, 6, 7-pin (in-line base) and 8-pin (circular base) receiving tubes, many small transmitting and special-purpose tubes, voltage regulators, cold-cathode rectifiers, electron-ray indicators, and ballast tubes. Steel carrying case, steel cover and carrying handle. 12"Hx15"Wx 4 1/2"D. Ship. wt. 20 lbs.

A32HX662Y, Kit... \$5 Down, **NET 69.95**
A32HX663Y, Wired... \$5 Down, **NET 109.95**

PICTURE TUBE TEST ADAPTERS — #CRA attaches picture tube to tube checker such as the #625 or #666.
 #CRA-110 for 110" deflection picture tubes. Ship. wt. 8 oz.
A32H292, #CRA, Wired... **Net 4.50**
A32H295, #CRA, 110, Wired... **Net 3.95**

RCA Famous Value-Packed Voltohmyst Kit

\$29⁹⁵

Easy-to-Read
Color Coded Scale

RCA'S new, value-packed Voltohmyst at a price that will fit your budget! It's the finest VTVM kit you can buy. At this low price you get many exclusive features including: handle sleeve for storing probes and cables; fuse to prevent accidental burnout of precision resistors in ohm-divider network; new circuit minimizing effect of residual gas in bridge tube. DC Voltmeter; 7 ranges, 0-1500 v. Accuracy $\pm 5\%$ of full scale. Frequency response—flat within $\pm 5\%$ 40 cps to 5 mc on 1.5, 5 and 15 v. peak to peak ranges. Power supply -105-125 v., 50-60 cps, 5 w. 5 $\frac{1}{2}$ " W. x 7 $\frac{1}{2}$ " H. x 4 $\frac{1}{2}$ " D. Ship. Wt. 6 lbs. A32HX674 WV-77EK Kit.....\$5 Monthly, Net 29.95 A32HX249 WV-77EW Wired.....\$5 Monthly, Net 49.95



TEST EQUIPMENT

RCA Low Priced Volt Milliammeter Kit

\$29⁹⁵ \$5 Monthly

- Low cost VOM
- 2 Extra Scales
- Extremely accurate

At last, a low cost VOM with exceptional new features that no experimenter should be without. Features include a high input resistance, extra large 5 $\frac{1}{4}$ " meter scale, two extra scales for transistor servicing—1 volt and 0.25 volt, plus an exclusive 0-50 μ a scale.

SPECIFICATIONS: DC voltage—Input resistance 5000 ohms/volt. Accuracy 5%. 6 ranges 0 to 5000 v. Frequency response 2.5, 10, 50, ranges—flat within $\frac{1}{2}$ db from 10 cps to 50 kc. Ohms scales 0-2000, 200,000 & 20,000,000 ohms. DC current—Accuracy 3%, 6 ranges. Size 5 $\frac{1}{4}$ "x6 $\frac{1}{2}$ "x3 $\frac{1}{2}$ ". Complete with batteries and instruction book; Ship. wt. 5 lbs. A32HX276 WV-38AK Kit.....\$5 Monthly, Net 29.95 A32HX275 WV-38AW Wired.....\$5 Monthly, Net 43.95

New Portable, Compact RCA Oscilloscope Kit

\$79⁹⁵ \$5 Monthly

- Smallest Scope Kit Made
- Ideal for TV servicing
- Color, Black/White TV

Portable, compact 3" scope will handle any TV servicing jobs. Can also be used in PA, radio, ham radio, hi-fi. Modular construction simplifies assembly.

SPECIFICATIONS: Vertical amplifier—wide band position, sensitivity 100 rms millivolts per inch, bandwidth within -3 db 5.5 cps to 5.5 mc. Narrow band position—sensitivity 3 rms millivolts/inch, bandwidth within -3 db 20 cps to 150 kc. Sweep circuit—sawtooth range—15 cps to 75 kc. Sync—external \pm internal. Sync range—to 4.5 mc. Power requirements 105-125 volts, 50/60 cps, 50 watts input (average). Size 6 $\frac{1}{2}$ "x8 $\frac{3}{4}$ "x10 $\frac{1}{4}$ ". Ship. wt. 16 lbs. A32HX278Y WO-33AK Kit.....\$5 Monthly, Net 79.95 A32HX277Y WO-33AW Wired.....\$5 Monthly, Net 129.95



EICO R-C Combination Box

(A) Combination of models 1100 and 1120 with switching facilities permitting selection of any R or C alone or 1350 combinations of R and C in series or parallel. Standard EIA values, 10% accuracy.

A32HX501Y 1140K Kit \$5 Monthly, 13.95
A32HX500Y 1140W Wired...\$5 Mo. 19.95

Decade Condenser Box

(B) For design and development work and rapid determination of proper capacitance values required in a circuit. **SPECIFICATIONS:** range—100 μ f to .111 μ f in steps of 100 μ f. Voltage ratings 350 VDC continuous, 500 VDC intermittent, 1000 vdc test. Dielectric—silvered mica. Accuracy $\pm 1\%$. Dimensions: 9"Lx3 $\frac{1}{2}$ "Wx3 $\frac{1}{2}$ "D.

A32H624 1180-K Kit \$2 Down, NET14.95
A32H625 1180-W Wired \$2 Down, NET19.95

Resistance Substitution Box

Wide range of values (RETMA) from 15 ohms to 10 megohms in decade multiples of 15, 22, 33, 47, 68 and 100 ohms. Uses RETMA $\pm 10\%$ 1 watt resistors. Size: 3 $\frac{1}{2}$ "Lx6 $\frac{1}{2}$ "Wx3 $\frac{1}{2}$ "D. Ship. Wt. 3 lbs.

A32H708 1100K Kit.....Net 5.95
A32H709 1100W Wired.....Net 9.95

Decade Resistance Box

(C) Accurate decade resistance box. Extremely wide range of 0-99,999 ohms in 1-ohm steps with 5 switches. Exclusive 1 watt rating with accuracy of $\pm 1\%$ at any setting. 12"Lx3 $\frac{1}{2}$ "Wx3"D. Ship. wt. 5 lbs.

A32H109 1171-K Kit \$2 Down, NET19.95
A32H192 1171W Wired\$2 Down, NET 24.95

Capacitance Substitution Box

(D) Rapid substitution of wide range of standard capacitors from 0.0001 to 0.22 mfd in operating circuit to determine value for optimum performance of fine value of badly damaged or illegible capacitors. Minimum accuracy $\pm 10\%$ rated 600V. 3 $\frac{1}{2}$ "Lx6 $\frac{1}{2}$ "Wx3 $\frac{1}{2}$ "D. Ship. wt. 3 lbs.

A32HX628Y 1120K Kit.....Net 5.95
A32HX629Y 1120W Wired.....Net 9.95

Filament Continuity Tester

(E) Permits fast filament checking of TV and radio tubes. Sockets are provided for 9-pin, octal, loctal, 7-pin portable, and line operated tubes. Adapter plug permits filament checking of 14, 12 and 8-pin (110°) picture tubes. Checks bayonet and screw type base pilot lamps and cartridge fuses. 6 $\frac{1}{4}$ "Lx3 $\frac{1}{2}$ "Wx2"D. Ship. Wt. 3 lbs.

A32H560 612K Kit.....Net 3.95
A32H559 612W Wired.....Net 5.95

EICO 6-TRANSISTOR PORTABLE RADIO KIT

Size: 8 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x2 $\frac{1}{2}$ "
Ship wt. 3 lbs. **\$29⁹⁵**

An outstanding new kit that even a novice can build. It's perfect for all occasions. Transistor circuitry & finest quality parts assure durability & stability. Big set tone quality, built-in antenna, simulated leather case, less batteries (NEDA 1602).

A32HX634 RA-6K Kit \$5 Mo., Net 29.95
A32HX635 RA-6W Wired...\$5 Mo. 49.95



PACO Electronic Test Equipment Kits



RF Signal Generator Kit

A Easiest possible assembly, wiring, and calibration without sacrificing performance features essential to a modern RF Generator. "Broadcast" range is completely calibrated on one band. 8 easy-reading bands in all. Percentage modulation continuously variable at front panel control.

SPECIFICATIONS: FREQUENCY RANGES—Band A—160-520 kc, Band B—520-1700 kc, Band C—1.7-5.5 mc, Band D—5.2-16 mc, Band E—15-30.5 mc, Band F—29-60 mc, Band G—60-120 mc, Band H—120-240 mc. RF OUTPUT—in excess of 100,000 microvolts.

POWER REQUIREMENTS—117 volts, 50/60 cps.

SIZE & SHIP. WT.—11½" x 7" x 5", 11 lb.

A32H938 G-30 Kit. \$5 Monthly, Net 29.95
A32H939 G-30PC Precalib. \$5 mo., Net 37.95
A32H940 G-30W Wired. \$5 mo., Net 42.95

Resistance-Capacity Bridge Kit

B Measure virtually any unknown resistance or capacitance encountered in electronic circuits.

SPECIFICATIONS: Capacitance ranges—10-5000 mmfd, 0.001-0.5 mfd, 0.1-50 mfd, 20-2000 mfd. Power factor range—direct reading from 0-60%. Ratio ranges .05 to 1 and 20 to 1. Capacitor leakage tested to 500V DC. Resistance ranges—0.5-500, 50-50,000 ohms, 5000 ohm to 5 megohms, 2-200 megohm, 117 volts, 60 cps, 25 watts. Size—11½" x 7" x 5". Ship. wt. 11 lbs.

A32H932 C-20 Kit. \$5 Monthly, Net 21.95
A32H933 C-20W Wired. \$5 mo., Net 32.95

RF-AF Signal Tracer Kit

Simple to construct and use. Capable of handling all receiver or amplifier signal levels including the gain needed for direct tracing of the actual signal at the receiver antenna input terminals. Two-way AF-RF shielded probe with selector switch allows complete signal tracing from antenna to speaker without changing test leads. 117 volts, 50/60 cps. Ship. wt. 12 lbs.

A32H930 Z-80 Kit. \$5 Monthly, Net 29.95
A32H931 Z-80W Wired. \$5 mo., Net 44.95

Battery Eliminator/Charger Kit

C Meets low-ripple output requirements to power modern transistorized electronic apparatus. Thermo-relay assures full instrument safety. Two dc meters simultaneously monitor voltage and current. Output current capacity—6 volt range, 10A continuous, 20A intermittent—12 volt range, 6A continuous, 12A intermittent. Power—117 volts, 50/60 cps. Ship. wt. 21 lbs.

A32H928 B-10 Kit. \$5 Monthly, Net 41.95
A32H929 B-10W Wired. \$5 mo., Net 49.95

Decade Resistor/Divider Kit

5 decades, total of 0-111, 110 ohms in steps of 1 ohm, tolerance ±0.5%, all resistance elements. Four voltage divider posts permit set-up for voltage ratios between .0001 and 1.0 (10,000:1). Ship. wt. 3 lbs.

A32H936 RD-5 Kit. \$5 Monthly, Net 23.95
A32H937 RD-5W Wired. \$5 mo., Net 29.95

Tube Checker Kit

D Top value in a portable, lever-operated tube checking instrument. Provides highly dependable overall quality test on virtually every existing tube type. Lever element selector system provides complete test flexibility and insurance against changing and new tube basing terminations. Tests for open filaments, hot cathode leakage, inter-element shorts, and pilot lamps. Meter is rugged double-jeweled, full bridge D'Arsonval type, with large 4½" face. Test circuits completely transformer isolated from power line. Requires 117 volts, 50/60 cps. Size: 10½" x 15¼" x 4¾". Ship. wt. 13 lbs.

A32H945 T-60 Kit. \$5 Monthly, Net 39.95
A32H956 T-60W Wired. \$5 mo., Net 57.95

Wide Band Oscilloscope Kit

E Covers the entire frequency spectrum from dc to 5 mc. Detailed PACO construction and operating manual makes this instrument amazingly easy to build and use.

SPECIFICATIONS: VERTICAL CHANNEL—3-stage push-pull, balanced dc amplifier. Sensitivity dc—70 mv/in, ac—25 mv rms/in. Freq. response—dc—±3db to 4.5 mc, ±5db to 5 mc, ac—±3db 1 cycle to 4.5 mc, ±5db to 5 mc. Input impedance—1.5 megohms shunted by 23 mmfd.

HORIZONTAL CHANNEL—Push-pull output amplifier. Sensitivity—0.6 volts rms/in. Frequency response—±3 db from 1 cycle to 400 kc. Input impedance—5 megohms shunted by 23 mmfd. Cathode follower horizontal input circuit. Linear time base—10 cps to 100kc TV-V and TV-H, external capacitor sweep down to 1 cps, 117 volts, 50/60 cps. Size—13½" x 8½" x 17½". Wt. 30 lbs.

A32H926 S-55 Kit. \$5 Monthly, Net 89.95
A32H927 S-55W Wired. \$7 mo., Net 144.95

PACO 5" Oscilloscope Kit

F Offers a combination of high sensitivity, extended 2 mc band-width and push-pull vertical and horizontal deflection amplifiers. 1V peak to peak self-calibrator, horizontal phasing control, filter-type calibrated screen.

SPECIFICATIONS: Vertical: Freq. response; 5 cycles to 2 mc. Sensitivity; 90 mv RMS/in. Input imped.; 1.5 megs. 3 step vertical input attenuator. Horizontal: Freq. response; to 700 kc. Sensitivity; 250 mv RMS/in. Input imp. 10 megs. 117v, 60 cps. Ship. wt. 24 lbs.

A32H941 S-50 Kit. \$5 Monthly, Net 49.95
A32H942 S-50W Wired. \$5 mo., Net 85.95

Vacuum Tube Voltmeter Kit

G An unusually versatile, rugged, all-purpose VTVM for radio, TV and experimental electronic work. Maximum sensitivity and stability for all voltage and resistance measurements. Meter has full-vision 4½" acrylic case. Accuracy is ±2%.

SPECIFICATIONS: ELECTRONIC DC VOLTMMETER—7 RANGES—0 to 1500v. (11 megohm input res. 1 megohm in test probe. 7½ megohm/volt sensitivity on 1.5 volt range.) AC VOLTMMETER—7 RANGES—0 to 1500 volts rms, AC FREQUENCY RESPONSE—±1 db 40 cps to 4 mc (600 ohm source, 5v range), 7 DECIBEL RANGES, —6 to +66 db, 7 OHMMETER RANGES—0 to 1000 megohms. Size: 5½" x 7½" x 4¾", 8 lbs.

A32H934 V70 Kit. \$5 Monthly, Net 31.95
A32H935 V70W Wired. \$5 mo., Net 49.95

High-Sensitivity VOM Kit

H Designed with more functions, more features, and more extended ranges than are usually found in VOM's in this category. Wide range of applications at home, in radio and TV service or classroom. Phenolic case and panel, clear acrylic scale cover. Ohmmeter uses standard flashlight batteries.

SPECIFICATIONS: 7 DC VOLTAGE RANGES—0 to 6000 volts, 20,000 ohms per volt, 7 AC VOLTAGE RANGES—0 to 12,000 volts, 10,000 ohms per volt sensitivity, 3 RESISTANCE RANGES—0 to 20 megohms, 6 DC CURRENT RANGES—0 to 15 amperes, OUTPUT VOLTAGE RANGES—same as AC voltage listed above. Size—5½" x 6½" x 2½". Ship. wt. 6 lbs.

A32H959 M-40 Kit. \$5 Monthly, Net 31.95
A32H960 M-40W Wired. \$5 mo., Net 37.95

Speed Check Tube Tester Kit

J Specially designed to reduce tube testing time to a minimum. 24 tube sockets plus three simple selectors designed for flexibility and non-obsolescence. Engineered to accommodate all anticipated types of tube configuration. Tests cathode and inter-element shorting and leakage, filament continuity and poor cathode structure. Separate picture tube socket accommodates PACO AT-1 Picture Tube Test Cable. Data charts are conveniently located in detachable hinged cover. 4½" meter is large and easy to read. Size—10½" x 15¼" x 4¾". Ship. wt. 15 lbs.

A32H957 T-61 Kit. \$5 Monthly, Net 49.95
A32H958 T-61W Wired. \$5 mo., Net 69.95

Transistor and Diode Tester Kit

\$39.95 Only \$5 Monthly

- Only complete transistor—diode tester in kit form
- Test both PNP and NPN type transistors
- Five separate ICBO current ranges
- 17 switch selected collector voltages

Test transistors for shorts, ICBO, leakage, and beta. Tests crystal diodes for forward and reverse current. Size: 11½" x 7" x 5". Shipping weight 10 lbs.

A32H943 T-65 Kit. \$5 Monthly, Net 39.95
A32H944 T-65W Wired. \$5 mo., Net 59.95





Test Equipment on Easy Budget



WV-98 Senior Voltohmyst

- Improved Accuracy $\pm 3\%$ **\$79.50**
- Big $6\frac{1}{2}$ " Meter

(A) Outstanding features throughout! DC ranges and AC ranges rms: 0-1.5/5/15/50/150/500/1500V. Input resistance 11 megs, 7.3 megs per volt on 1.5V range. Sine wave peak to peak 0-4/14/42/140/420/1400/4200V. Frequency response for 100 ohm source, flat from 30 cps to 3 mc up to and including 500V. Ohmmeter has 7 ranges, 0-1000 meg. Center scale, 10/100/1000/10,000 ohms. 1/10 megs with zero adjustment. Includes probes and cables. Blue-grey metal case, $7\frac{1}{2} \times 5\frac{1}{2} \times 4\frac{1}{2}$ ". Ship. wt. 7 lbs.

A32HX003 \$5 Monthly.....Net 79.50

PROBES

WG-289 HV PROBE: Extends DC voltage range to 50,000V. Less multiplier. Mic. Con.

A32H036 WG-289.....Net 7.15

WG-297 HV PROBE: With banana plug connectors for vacuum tube voltmeters.

A32H274 WG-297.....Net 7.15

1090-MEGOHM MULTIPLIER RESISTOR: For WG-289 with senior voltohmysts.

A32H037 WG-206.....Net 2.80

RCA WA-44B AUDIO SIGNAL GENERATOR

• For School, Laboratory, Service, Industry

\$107.50

(B) Highly popular and versatile model designed for many applications including the measuring of inter-modulation, response, input and output impedances, resonant frequency of speakers, etc. Equally useful for tuning brass-reflex enclosures and determining unknown frequencies. Continuously tunable from 11 cps to 100 kc. Has frequency stability of $\pm 3\%$ or better. Complete with cable and instructions. **SPECIFICATIONS:** Separate high and low output terminals 15V. rms max, or 2.5V rms max; hum level 0.1% of max. output; total harmonic distortion 2% or less from 30 cps to 15 kc; use with high 100,000 or low 1500 ohm impedance circuits. $7" \times 10\frac{1}{2}" \times 6"$. Ship. wt. 11 lbs.

A32HX548Y WA-44B. \$7 Monthly.....Net 107.50

RCA WT-110A AUTOMATIC TUBE TESTER

(C) Saves valuable time! All you do to test receiving tubes is to insert pre-punched card. Meter either registers RENEW or GOOD. Also tests transconductance, gas shorts and twin tube balance. One of the most popular and efficient tube testers presently on the market!

SPECIFICATIONS: Two gold-plated circuit boards set up a comb. of 15 to 20 circuits. Allows socket connections to 10 pins, 220 comb. of heater V, 10 bias V, 5 plate V, 11 cathode resistors, 2 screen V, and 50 qual. sensitivity ranges. Incl.: warranty, 263 pre-punched vinyl cards, master card, hand punch, 24 blank cards, test card. Carrying case, $7\frac{1}{2} \times 14\frac{1}{2} \times 17\frac{1}{2}$ ". Ship. wt. 32 lbs.

A32HX588Y \$8 Monthly.....Net 199.50

RCA WV-87B MASTER VOLTOHMYST

(D) Has $7\frac{1}{2}$ " mirrored scale meter and zero center for FM discriminator alignment. Accurate for lab. work, TV, radar, etc. Reads peak to peak to 4200 V. Response 30 cps-3mc. DC current to 15 amps, and 85 μ af. DC res. 1000 megs in 7 ranges. AC-DC accuracy $\pm 3\%$ full scale. For 103-125V. 50-60 cy. AC. With WG-299C probe and cables. Case: $10" \times 13\frac{1}{2}" \times 7"$. Ship. wt. 9 lbs.

A32HX007Y \$10 Monthly.....Net 137.50



Simpson Test Equipment



SIMPSON MODEL 466 HANDISCOPE

(E) Ruggedly constructed scope will handle practically any TV or radio servicing job, yet it's moderately priced! This compact model is easy to carry, has 5" screen and power consumption of 50 watts. Test leads and operator's manual are included, too. **SPECIFICATIONS:** Frequency response: vertical; 15 cps to 100 kc per sec., flat within ± 1 db, 6 db down at 250 kc per sec., usable to 1 mc per sec. horizontal; 15 cps to 20 kc per sec., flat within ± 1 db, 6 db down at 100 kc per sec. Max. deflection sensitivity: vertical-30 MV RMS, horizontal-0.7 V RMS. 20 volts required to extinguish beam. Input: 0.1 meg-0.5 meg; 40 μ af-35 μ af. Range: 15 cps to 80 kc per sec.

A32H432.....\$7.50 Monthly, Net 146.95

SIMPSON MODEL 715 AC VTVM

(F) Here's a precision-engineered AC VTVM that's highly sensitive—but low in price! Especially designed for use in testing and servicing all types of audio equipment such as hi-fi, TV, radios, etc. Comes complete with operator's manual and test leads. **SPECIFICATIONS:** Ranges: Volts; 0-.01/.03/.1/8/10/30/100/300 rms. Decibels; -52 to ± 52 DBM, 1 mv in 600 Ohms. Scale markings, -12 to ± 2 DB. Sensitivity, 10 mv full scale on lowest range. Input impedance; minimum 1 meg at 1 KC. Frequency response: 10 cps to 400 KC ± 1 DB. 115 VAC, 50-60 cps. Ship. wt. $4\frac{1}{2}$ lbs.

A32H431.....\$5 Monthly, Net 68.55

POPULAR SIMPSON 355 MIDGETESTER

Fabulous little tester that's as compact as a pack of cigarettes. Actually fits in the palm of your hand, yet it's a highly accurate VOM. Finished in handsome polished styrene case.

SPECIFICATIONS: Ranges AC-DC volts, 10,000 Ohms per volt, 0-3/12/60/300/1200 V. Resistance: 0-10,000 Ohms, 0-1 meg, 0-10 megs. Test leads and instructions are included. Size: $1 \times 4\frac{1}{2} \times 2\frac{1}{2}$ ". Ship. wt. 1 lb.

A32H389.....\$5 Monthly, Net 34.25

SIMPSON "ADD-A-TESTERS"

Six different units that convert SIMPSON Models 260 and 270 into six different testers! Just plug in—that's all you have to do!

| Cat. No. | Description | Net Ea. |
|----------|---------------------------------------|---------|
| A32H088 | Simpson Transistor Tester, Model 650 | 26.41 |
| A32H089 | Simpson DC VTVM, Model 651 | 32.29 |
| A32H090 | Simpson Temperature Tester, Model 652 | 38.17 |
| A32H091 | Simpson AC Ammeter Model 653 | 18.57 |
| A32H092 | Simpson Audio Wattmeter, Model 654 | 18.57 |
| A32H094 | Simpson Battery Tester, Model 656 | 19.95 |

Model 260 Set Tester

\$5 MONTHLY

\$43.07

(H) Top-performing VOM for testing TV and radio sets. DC sensitive 20,000 ohms per volt. Low current use insures remarkably accurate full scale readings.

SPECIFICATIONS: Low readings of 1 micro-amp, $\frac{1}{2}$ ohm can be made. High readings of 10 amps, 20 meg.-ohms. AC sensitive, 5000 ohms per volt. Ranges: AC-DC volts, 7 ranges, 0-5000; DC amps 0-10, milliamps 0-10/100/500; micro-amp 0-100; resist. 0-2,000/200,000 ohms, 20 meg.-ohms; DB -12 to ± 55 db, 5 ranges. Ship. wt. 5 lbs.

A32HX405 260 Open face bakelite 43.07

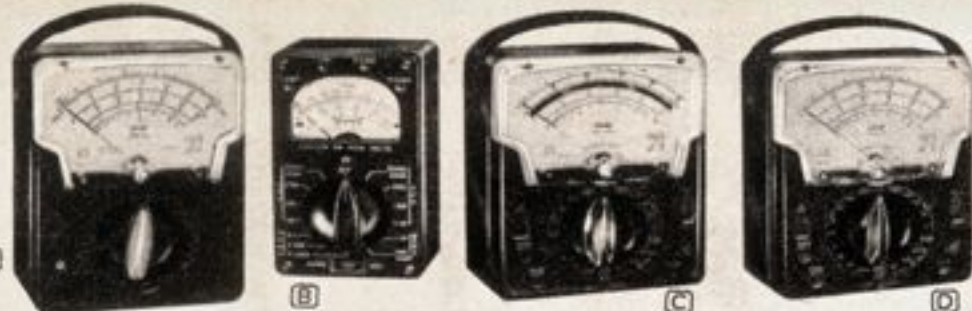
A32HX404 Roll top case, \$5 Monthly 48.95

A32H406 1818, Cowhide case for 260 7.59

SIMPSON Model 270 VOM

Dependable, rugged, highly accurate and sensitive for many production and lab uses. It is easy to operate and has all the features of model 260, PLUS mirrored scale and knife edge pointer. **SPECIFICATIONS:** Ranges: AC-DC volts 0-25 mv/2.5/10/50/250/1000/5000 v. A.C. volts (Output with 0.1 mf internal series capacitor): 0-2.5/10/50/250 v. Zero db, equals one milliwatt across 600 ohm line; -20 to ± 50 db, in 4 ranges. DC resist. 0 to 20 meg, 0-50 μ A, DC 0-1/10/50/100/500 ma. 0-10 amp. Shipping weight 5 lbs.

A32H650.....\$5 Monthly, Net 58.75



TRIPLETT Volt-Ohm Milliammeters

A TRIPLETT 631 COMBINATION V-O-M AND VTVM. Two basic units for the price of one! 34 ranges VOM—ten AC/DC volts 0-3-12-60-300-1200, 4 DC resistances from 0.1 ohm to 150 megohms, db and output readings; VTVM—4 including 1.2V range for grid voltages and accurate discriminator alignment—first division mark at 0.02V. Sensitivity: 20K ohms per volt on DC, 5000 on AC as VOM; 11 megohms at VTVM. 5 1/2" meter with top scale arc of over 4 1/2". Maximum battery life for vacuum tube voltmeter circuit is achieved by using VOM for all general testing—about 90% of the time. Heavy black molded case with leather handle. 48" leads, batteries, 1H5 tube. Ship. wt. 5 lbs.

A32HX328Y.....\$5 Monthly, Net 54.50

B MODEL 666-R POCKET VOLT-OHM-MILLIAMMETER—Hand-sized, ideal for electrical maintenance. Recessed knob to fit in tool kit. AC rectifier pre-calibrated unit for easy replacement. Single switch selects all ranges and minimizes the chance of incorrect settings and burn-outs.

SPECIFICATIONS: DC volts: 0/10/50/250/1000/5000 at 1000 ohms per volt. AC volts: 0/10/50/250/1000/5000 at 1000 ohms per volt. Ohms: 0/3000/300,000, Megohms: 0-3, DC ma 0/10/100 at 250 MV. DC amps: 0-1 at 250 MV. Output volts: 0/10/50/250/1000. Black, molded, completely insulated case. Comes complete with leads, alligator clips, batteries and instruction manual. Size: 3 1/2"x5 1/2"x2 1/4". Ship. wt. 5 lbs.

A32HX230.....\$5 Monthly, Net 29.50

BLACK LEATHER CASE FOR MODEL 666-R. A32H231.....Net 6.60

C TRIPLETT 630-APL V-O-M LABORATORY MODEL. Featuring 1/2% resistors for greater accuracy, long MIRROR scales to eliminate parallax in reading. Otherwise same as 630-PL. Complete with all accessories and instructions. 5 lbs.

A32HX571Y.....\$5 Monthly, Net 54.50

MODEL 630 V-O-M—ACCURACY 3% TO 1200 VDC, 4% 3-1200VAC. Sensitivity 50000, VAC, 20,000VDC. **SPECIFICATIONS:** 0-3-12-60-300-1200-6000 VAC-DC. —20 to +70 db in ranges DC 0-60 Microamps at 250 MV, DC Ma., 0-1.2-12-120 at 250 MV, DC Amps 0-12 at 250MV. 0-1000-10,000 ohms. 0-1-100 Megohms. All ranges selected with one switch, knob recessed flush with panel. Black case, fully insulated, white marking. 3 1/2"x5 1/2"x7 1/2". Wt. 5 lbs.

A32H232.....\$5 Monthly, Net 44.50

TRIPLETT 630-A VOLT-OHM-MILLIAMMETER—LABORATORY AND INDUSTRIAL QUALITY. DC volts: 0-3-12-60-300-1200-6000 at 20K ohms/volt. AC volts: same except at 5K ohms/volt. DB: —20 to +70, 7 ranges. DC ma: 0-60; DC ma: 0-1.2-12-120; DC amps: 0-12; all at 250 MV. Ohms: 0-1000-10K. Megs: 0-1-100. Output: condenser in series with ACV. Accuracy 1 1/2% with mirrored scale; 5 1/2" meter; single flush knob; special 1/2% resistors. Molded black case. 3 1/2" x 5 1/2" x 7 1/2". Ship. wt. 5 lbs.

A32HX233Y.....\$5 Monthly, Net 54.50

BLACK LEATHER CASE FOR 630-A AND 630

A32HX235 Triplett 639.....Net 9.50

A32HX236 Triplett 639

Rubber Padded.....Net 14.90

D 630-PL V-O-M—Outstanding linear ohm scale: 1 ohm to 100 megohms. 5-500,000 cps frequency response in AC. **SPECIFICATIONS:** Sensitivity 500 ohms/VAC, 20,000 ohms VDC. DC polarity reversing switch. One switch selects any range. DC volts: 6 ranges 0-5000. AC volts: 6 ranges 0-5000. Decibels: 6 ranges —20 to +75 db. DC ma: 0/10/100/100 at 250 MV. DC amps: 0-10 at 250 MV. 0-1000/10000, megohms 0-1/100. Output VAC: 0-3/10/50/250/1000 at 5000 ohms/volt, jack with condenser in series with AC ranges. Insulated, molded case 3 1/2"x5 1/2"x7 1/2". Complete with leads, alligator clips, rubber feet, batteries, instructions. Ship. wt. 5 lbs.

A32HX572Y.....\$5 Monthly, Net 44.50

AMPROBE METERS



F AMPROBE JUNIOR SNAP-AROUND METER—Measures current instantly. No shut-downs or ammeter connections. Gives accurate reading on 1.8" scale. Has 3" D'Arsonval high torque movement. Probe jaws insulated and tapered for hard-to-get-at wires. Insulated case, 3,000 V break-down test. 2 1/2"x4 1/4"x1 1/8".

Ship. wt. 11 oz.....Net ea. 19.85

| Cat. No. | Type | Amps | Volts AC |
|----------|------|-------|-----------|
| A32H920 | 525 | 0-25 | 0-150/300 |
| A32H921 | 550 | 0-50 | 0-150/600 |
| A32H987 | 900 | 0-100 | 0-150/600 |
| A32H922 | 10 | 0-10 | 0-125/250 |
| A32H923 | 25 | 0-25 | 0-125/250 |
| A32H924 | 50 | 0-50 | 0-125/250 |
| A32H988 | 100 | 0-100 | 0-125/250 |



G NEW AMPROBE RS-3 WITH OHMMETER—Ranges 0-5/15/40/100/300 Amps, AC, and 0-150/300/600 V AC with 25 ohms mid-scale. Jobs it can do: Determine load conditions without shutting down equipment, spot motor overloads and underloads, measure voltage at motor terminals, set overload relays, balance loads, determine starting current of motors, determine causes for excessive voltage losses in a system, find causes of improper operation of fluorescent fixtures, measure resistance of coils, determine opens and continuities. Use of attachment A-40 (shown below) multiplies sensitivity by 10. Size: 7 1/2" x 2 1/4" x 1 1/2". Complete with ohmmeter attachment and genuine leather case. Ship. wt. 12 oz.

A32H997.....\$5 Monthly, Net 52.50

E Only complete miniature VOM with 20,000ohms/volt. **SPECIFICATIONS:** DC Volts, 5 ranges 0-5000 V at 20,000 ohms/V; AC volts, 5 ranges at 5000; ohms/V. DC ma .6 at 250 mv, 0/6/60/600 at 250 mv. 0-20,000-200,000 ohms, 0-2-20 megs. Shielded barring movement for strong magnetic fields. Test prod tip can be used as common probe. Banana plugs, single selector switch for all ranges. Insulated case. Dim. 1 3/4"x2 1/4"x4 1/4". Ship. wt. 1 1/2 lbs.

A32H203.....\$5 Monthly, Net 34.50

TRIPLETT 10 CLAMP-ON ADAPTER FOR CHECKING LINE LOADS WITH MODEL 310—Lever operates split transformer yoke to fit single conductor or busbar. AC amps from 6 to 30 in six steps. With #101, readings are reduced. Looks to Model 310. Ship. wt. 1 lb.

A32H673.....\$2 Down, Net 14.50

TRIPLETT 100 VOM AND CLAMP-ON, AMMETER SET—Has Model 310 VOM, #10 Clamp-on adapter, #101 Line Separator, #311 Leads, leather case. Ship. wt. 1 lb.

A32HX575Y.....\$5 Monthly, Net 59.50

TRIPLETT 101 LINE SEPARATOR—Plugs into AC outlet to divide two-conductor cords. Increases ammeter sensitivity 10X, 20X. Up to 30 amps in 9 steps from .3-30. Provision for voltmeter prods. Ship. wt. 1 lb.

A32H574.....Net 5.50

OTHER TRIPLETT ACCESSORIES

| Cat. No. | Type | Description | Net |
|----------|------|--|------|
| A32H577 | 611 | Test leads for #10 Adapter | 1.90 |
| A32H576 | 311 | Test leads, to separate #100 from #310 | 1.90 |
| A32H395 | 369 | Carrying case for 305, 308 | 3.20 |

New! Waterman Primer Scope

- Low cost
- For students, hams, audiophiles
- Factory wired
- Reliable; simple to operate



Ideal for TV and other uses where portability, simplicity and high performance are needed. Controls are completely marked. This factory-tested unit has many features found only on expensive factory built scopes. Hand wired; no printed circuits are used for precision quality control. The cathode ray tube is shielded for maximum protection from interference. Design includes vertical and horizontal amplifiers, internal and external positive and negative synchronization and retrace blanking. It can also be used for modulation monitoring.

SPECIFICATIONS: Vertical: 1 V p-p per inch DC to 75 KC. Sweep: 20 cps to 20 KC continuously variable in 3 steps, hard tube, repetitive. Horizontal: 1.5 V p-p per inch DC to 75 KC. Size: 3 1/2"x7"x10". Ship. wt. 7 1/2 lbs.

A32H695.....\$5 Monthly, Net 69.95

SUPERIOR Test Equipment



A RUSTRAK® RECORDING METER
ONLY \$79.50
\$5 MONTHLY

A A precision recording meter priced at a fraction of the cost of other recording meters. For amateurs, hobbyists, hi-fi, research and many other uses. Can be used as a line voltage recorder, field strength recorder, weather recorder, etc. Can be used with the thermistors on page 133 for a recording thermometer, and as a recording light level indicator with the solar cells on page 133. Uses no ink or lead and punches the roll for continuous reading. Accurate to 2% of full scale. **SPECIFICATIONS:** Max. response time - 1 second. Wt. with paper roll - 3½ lbs. Scale - 0-1 ma. 2½" long. Critically damped. 750 V max. safe working voltage to ground. Chart speed, 1" per hour, up to 60" per hour with adapters. 63 ft. chart roll. Drive motor - 115V AC, 60 cycles. Size HWD - 5½" x 3¾" x 4¾".
A32HX841, 0-1 ma DC meter, Net 79.50
A32HX840, 0-1 ma DC meter w/access window, Net 84.50
A32HX843, .5-0.5 ma DC meter Zero Center, Net 84.50
A32HX844, 0-150V AC meter, Expanded scale, Net 89.95
A32HX846, Chart paper, DC operation 6 rolls, Net 13.50
A32HX847, Chart paper, AC operation 6 rolls, Net 13.50



D SUPERIOR MODEL 80 ALLMETER - 20,000 ohms per volt. Has 6" full-view meter, mirrored scale for accurate fractional calibrations. Measures all condensers. **SPECIFICATIONS:** 7 DC voltage ranges: 0-1500 V. 6 AC voltage ranges: 0-1500 V. Sensitivity: DC-20,000 ohms/volt, AC-5000 ohms/volt. 3 Resistance ranges: 0-200,000 Ω, 0-20 megs. Capacity ranges: .00025-3 μf., .05-30 μf. 5 DC current ranges: 0-75 Amp., 0-750 ma. 3 DB ranges: -6 to +58 db. Ship. wt. 8 lbs.
A32HX685Y, \$5 Monthly, Net 42.50



E SUPERIOR MODEL 83 CRT TESTER - Tests, rejuvenates all picture tubes. Black and white; 50"-110" types, 8" to 30" types. Tests all color picture tubes, also. Test in or out of carton or in set. **SPECIFICATIONS:** Provides separate filament voltage for 6.3 and 8.4 types. 4" air-damped meter with quality and calibrated scales. Tests red, green, blue sections individually. Detects tubes apparently good but in need of rejuvenation. Applies uniform low voltage for increased life with no cathode damage. Shipping weight 6 lbs.
A32HX681Y, \$5 Monthly, Net 26.95



NEW SUPERIOR TW-11 TUBE TESTER - Features separate scale for low-current tubes. Tests 4, 5, 6, 7, octal, lock-in, hearing aid, thyratron, miniatures, subminiatures, novals, sub-minar, proximity fuse types, etc. Has new self-cleaning lever action switches for individual element testing. With phono-jack for noise tests. Operates on 105-130 VAC, 60 cy. Hand-rubbed oak cabinet. Ship. wt. 20 lbs.
A32HX949Y, \$5 Monthly, Net 47.50

NEW SUPERIOR TV-50 GENOMETER - 7 Signal generators in one: r.f. signal generator for AM, r.f. signal generator for FM, audio frequency generator, bar generator, cross hatch generator, color-dot pattern generator, marker generator. Versatile, all-inclusive tester. With shielded leads. Ship. wt. 14 lbs.
A32HX935Y, \$5 Monthly, Net 47.50

SUPERIOR MODEL TV-12 TRANS-CONDUCTANCE TUBE TESTER - Tests tubes and all transistors. Has an improved trans-conductance circuit. Impresses an in-phase signal on the input section of the tube and measures the resultant plate current change. Simulates operation of tubes in radio and TV receivers and other circuits. **SPECIFICATIONS:** Correlates amplification factor, plate resistance and cathode emission in one meter reading. Ship. weight 15 lbs.
A32HX684Y, \$5 Monthly, Net 72.50

E NEW SUPERIOR 76 COMBINATION TESTER - Combines 4 service testers in 1. Capacitance Bridge with range of .00001 to 1000 microfarads in 4 ranges. Signal Tracer with built-in high gain pentode voltage amplifier, diode rectifier, direct coupled triode amplifier. TV Antenna Tester to determine breaks in TV antenna. Resistance Bridge with range of 100 ohms to 5 megs. in 2 ranges. With r.f. and a.f. probes, test leads. Shipping weight 8 lbs.
A32HX954Y, \$5 Monthly, Net 26.95

SUPERIOR 77 VTVM - 6" full-view meter. Balanced p-p circuit design. SICO printed circuits. 1% resistors, 12AU7. **SPECIFICATIONS:** DC volts 7 ranges 0-1500 at 11 megs input. AC volts (RMS) 7 ranges 0-1500. AC volts, p-p 0-2000. Ohmmeter: 7 ranges; 0-100,000 ohms, 0-1000 megs. DB: 3 ranges; -10 DB to +58 db. With probes, test leads. Operates on 110-120V, 60 cy. Wt. 8 lbs.
A32HX953Y, \$5 Monthly, Net 42.50

SUPERIOR TD-55 TUBE TESTER - Test tubes in less time than is required to set up, adjust older complicated models. Test noval and sub-miniature types, also tests octal, loctal, 7-pin miniature types. **SPECIFICATIONS:** Free-point element switching system, elemental switches numbered in accordance with R.M.A. specs. Steel cabinet. Wt. 6 lbs.
A32HX718Y, \$5 Monthly, Net 26.95

SUPERIOR MODEL 79 SUPER-METER is a combination Volt-Ohm Milliammeter, plus capacity, reactance, inductance and decibel measurements. In addition it tests Selenium and Silicon Rectifiers, Silicon and Germanium Diodes as well. Plus all this, reading is made easy with a new 6" Full-View Meter.

F SUPERIOR 770-A VOLT-OHM MILLIAMMETER - Pocket-sized instrument with full-view 2% accurate, 850 microampere D'Arsonval type meter that provides 71% more scale area. **SPECIFICATIONS:** 6 AC voltage ranges: 0-15/30/150/300/1500/3000 V; 6 DC: 0-7.5/15/75/150/750/1500 V; 2 resistance ranges: 0-10,000 ohms, 0-1 meg; 3 DC current ranges: 0-15/150 ma, 0-1.5 amps; 3 decibel ranges: -6 db to +18 db, +14 db to +38, +34 db to +58 db. Molded case: 3½" x 5½" x 2¼". Batteries, test leads, instructions.
A32HX947, \$2 Down, Net 15.85

SPECIFICATIONS: DC Volts: 0-7.5/15/75/150/750/1,500. AC Volts: 0-15/30/150/300/1,500/3,000. DC Current: 0-1.5/15/150 ma 0 to 1.5/15 Amperes. Resistance: 0 to 1,000/100,000 Ohms. 0 to 10 Megohms. Capacity: .001 to 1 Mfd. 1 to 50 Mfd. Reactance: 50 to 2,500 Ohms, 2,500 to 2.5 Megohms. Inductance: .15 to 7 Henries, 7 to 7,000 Henries. DB -6 to +18, +14 to +38, +34 to +58. Ship. wt. 5 lbs.
A32HX682Y, \$5 Monthly, Net 38.50

SUPERIOR MODEL 82A TUBE TESTER - Multi-Socket type, tests any tube of 600 types in 10 seconds. Just a 3-step operation to test any tube.

D SUPERIOR 70 UTILITY TESTER - Measures voltages, currents, resistances, leakages. For testing all electrical appliances, motors, electrical circuits, parts in cars, trucks, filament continuity of all TV tubes. Molded bakelite case: 3½" x 5½" x 2¼". With test leads. Illustrated instruction book. Ship. wt. 3 lbs.
A32HX270, \$2 Down, Net 15.85

SPECIFICATIONS: Tests 0Z4, other gas-filled tubes. 4" meter with sealed air-damping chamber for vibration-less readings. 22 sockets permit testing all popular tubes, prevents obsolescence. Dual scale meter tests low current tubes. Pin straighteners for 7 and 9 pin tubes. All sections of multi-element tubes tested simultaneously. Indicates leakage to 5 megohms. Ship. wt. 10 lbs.
A32HX683Y, \$5 Monthly, Net 36.50



Jones RF Power Measuring

JONES VSWR AND RF POWER MEASURING EQUIPMENT - Instruments measure standing wave ratio and RF power in coaxial type transmission lines, with output virtually independent of frequency. May be left in the line as a monitor at maximum transmitter power output levels.
MODEL 261 COUPLER, 0.5 to 225 Mes. Power range to 1000 watts. UHF type RF connectors. Complete instructions included to build 262 Indicator.
A32H656 Ship. wt. 1 lb., Net 22.50
B MODEL 262 INDICATOR, Use with 261 Coupler. Provides readings of SWR and Relative RF power. Selector switch provided for reading incident or reflected power.
A32H657 Ship. wt. 2 lbs., Net 14.50
C MODEL 263 VSWR RF WATTMETER, Similar to Models 261, 262 except calibrated to read VSWR and RF power in actual watts on 3 scales - 10, 100, 1000 watts, full scale. Ship. wt. 2 lbs.
A32H686, \$5 Monthly, Net 85.00



SENCORE QUALITY TEST EQUIPMENT

Anything On This Page Can Be Purchased From Radio Shack For Only \$5 Monthly

(A) SENCORE MODEL Y82 "VIBRA-DAPTOR"
—Permits checking 3 or 4 prong vibrators in any tube checker. Two lamps in top of adaptor indicate good or bad. Rugged steel construction. Unbreakable #51 lamps are used. Complete instructions screened on front. Shipping weight 5 oz.
A32H510.....Net 2.70

(B) MODEL F53 "FUSE-SAFE" TESTER—Prevents call-backs on fuses and fuse resistors and tests them. Tests circuit-breakers. SPECIFICATIONS: One scale for each value fuse resistor; reads red or green. Measures watts to 1100 at 115V. 2 current ranges, 0-10 amps. Test leads clip in place of fuse or fuse resistor. Tests AC and DC. Safety resistor prevents circuit damage. Simulates actual operating conditions. Ship. wt. 1/4 lb.
A32H508.....Net 8.78

JC2 UNIVERSAL TV JUMPER—Universal jumper cord can be used with any TV set. Extends power from back of TV set. 2 outlets for soldering iron and test equipment. Fits many speakers, focus coils, etc. 2 plugs accommodate all TV rear-board sockets, and 2 sockets fit all interior connections. Requires 115 VAC, 3 amps. Ship. wt. 1/4 lb.
A32H516.....Net 1.92

H36 R-C SUBSTITUTOR—Provides 36 of the most needed components for direct substitution. SPECIFICATIONS: (12) 1 watt and (12) 1/2 watt resistors from 10K ohms to 5.6 megs. 10 capacitors from 100 µf to 0.5 µf, 600 V. One 10 µf, one 40 µf, 450V electrolytic. 3-pole, 12-position switch. Ship. wt. 2 lbs.
A32H517.....Net 12.50

(C) SENCORE MIGHTY MITE TUBE CHECKER
—Inexpensive, portable tester. Check cathode and grid emission, leakage, shorts, gas on TV and radio tubes. Test grid emission and leakage to 100 meg-ohms. Smallest complete tester.
A32H513 TC109.....Net 49.50

MODEL BE3 ALIGN-O-PAK—Fully isolated DC supply for TV alignment, AGC trouble-shooting and other DC checking requirements. SPECIFICATIONS: Provides all DC voltages recommended by TV manufacturers, 0-18V with less than 0.1% ripple. For alignment, plug in 115-volt AC and set knob at required voltage; for AGC, connect to AGC bus and vary voltage from 0-18 volts negative. If picture stabilizes, AGC is defective. Black hammertone case. Complete with test leads. Shipping weight 2 lbs.
A32H509.....Net 7.70

ES102 ELECTRO-SUB—Checks all Electrolytic capacitors in seconds, merely select the electrolytic and substitute. SPECIFICATIONS: 10 big electrolytics from 4 to 350 µf to safely substitute in any circuit from 2 to 450 volts. Automatic capacitor discharge within seconds, unique surge protector circuit prevents accidental heating of capacitor being "bridged," completely safe. Compact unit can be carried anywhere, measures 4 1/2" H x 4 1/4" W x 2 1/4" D. Ship. wt. 1 1/2 lbs.
A32H507.....Net 15.64

MODEL LB2 UP-DOWN VOLTAGE BOOSTER
—For TV set or appliance up to 300 watts. No need to contend with inadequate picture width, insufficient height, low brightness, low sensitivity in fringe areas, etc., due to lower or higher than normal line voltages. Increase or decrease line voltage 10 volts with the flip of a switch. Ship. wt. 8 lbs.
A32H512.....Net 5.86

(D) SENCORE TRC4 TRANSISTOR CHECKER
—Checks transistors for opens, shorts, leakage and current gain; gain test on all power transistors. SPECIFICATIONS: Checks all crystal diodes for forward to reverse current ratio. Test selenium rectifiers for forward and reverse currents. Control settings given by set up chart on rear. Test leads on socket for fast hook-up. Ship. wt. 2 lbs.
A32H515.....Net 17.50

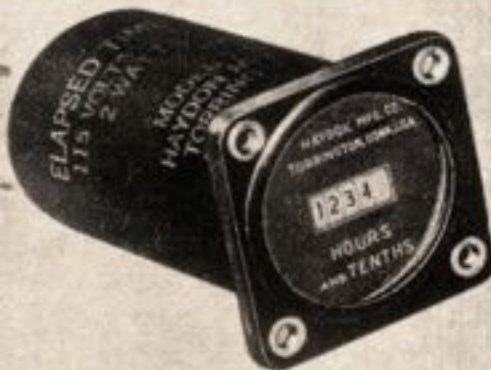
SENCORE LC3 LEAKAGE TESTER—Tests 130 tube types including UHF and latest types. Checks CRT without removing from chassis. Roll-chart for quick checking. SPECIFICATIONS: 2 spare preheating sockets cut test time. Filament checks include heater to cathode leakage and shorts. Leakage sensitivity is 100 megs and 50,000 ohms; can be increased by changing the value of only one resistor. Tests capacitor leakage to 100 megs, opens, shorts and charge with voltage applied. Compact unit 7" x 8" x 3 1/2", black hammertone case.
A32HX514Y Ship. wt. 3 lbs.....Net 28.38

(E) PS-103 TRANSI-PAC TRANSISTOR POWER SUPPLY—A low cost DC power supply for all portable transistor radios. SPECIFICATIONS: 0-24 volts adjustable with 1 1/2 volt tap for Philco and Sylvania radios. Meter on unit reads voltage, shows current drain. Current scale reads to 100 mills. Ship. wt. 8 lbs.
A32HX506Y.....Net 17.60

BT-101 TRU-LOAD TESTER—Tests all batteries under manufacturer's recommended loads, even small mercury cells, without damage. Ideal for transistor work. SPECIFICATIONS: Load setting determined by current capability, not battery voltage. Simple to operate, anyone can use it, yet it is accurate enough for lab work. Ship. wt. 4 lbs.
A32H513.....Net 15.64

FC4 FILAMENT CHECKER—Here is a filament checker that automatically tests all tubes, including local and picture tubes; and also acts as a continuity and voltage tester. SPECIFICATIONS: Continuity and voltage checks are made simply by plugging test leads into pins 1 and 12 of the picture tube socket, no switches. A neon indicator acts as a voltage indicator as well as a Good-Bad tester.
A32H511 Ship. wt. 6 lbs.....Net 28.38

HAYDON ELAPSED TIME INDICATOR



ED-71
For Only

\$14.00

Miniature elapsed time meter ideal for use with amateur equipment to indicate on-air time, age of expensive transmitting tubes, etc. Also useful for timing needle wear on Hi-Fi sets. Reads up to 9999.9 hours. Can be mounted either in front or behind panel. Max. diameter—1.530", length 2 1/2", 120V at 60 cps. Requires 2.5 watts power. Temperature range: -25° to +65° C. 5-digit counter opening 1/4" x 3/8", rotating indicator behind dial at 8 o'clock position provides a check for synchronous operation.
A32H678.....Net 14.00

GENERAL CEMENT NEON TESTER—Tests for live lines, polarity, blown fuses, defective spark plugs and cables. Indicates DC, AC and RF and voltage up to 500 volts. Has short-proof leads and tips and handy pocket-clip.
A32H880.....Net 2.45

MINI-VOLT NEON GLOW VOLTMETER—A rugged, simple meter, which is almost burn-out proof, for servicemen, electricians, lab. Calibrated for 65-660 VAC and DC. Neon lamp guaranteed for 10,000 hours of use. Has 12" leads, test prods, compact bakelite case.
A32H771 Type 400B.....Net 2.45



JBT

31-EX
At the low price of only
\$15.95

JBT MODEL 31-EX ELAPSED TIME METER
—Registers to 9999.9 in 1/10 hour steps, then automatically resets. For tube life, TV equipment, punch presses, conveyors, oil burners, maintenance schedules, etc. Two models—both 60 cycles; one 110-130V, one 200-240V. Enclosed in molded case.
A25H454 (110-130V).....Net 15.95
A25H455 (200-240V).....Net 17.05

SHURITE TESTER 5406-LT AC/DC LINE VOLTAGE—Plug into outlet, read line voltage. Plug into appliance, note new reading. Drop in voltage indicates problem.
A32H964.....Net 3.79

**A****B****C****D**

BEEDE PANEL METERS

Radio Shack offers these meters, with the highest quality D'Arsonval movements, at the lowest prices available anywhere. Each of these American made meters is thoroughly tested before leaving the factory. Alnico magnet, D'Arsonval movement, precision jewels and pivots, and tested springs ensure 2% accuracy over many years. Model 310 (Fig. A) is a standard size 3 1/2" round meter in a black Bakelite case. Model 14 (Fig. B) is a

clear plastic cased, full view meter 3" high and 3 1/2" wide. Model 16 (Fig. C) is a standard black Bakelite meter 4 1/2" high and 4 1/2" wide. Model 230 (Fig. D) is the modern style, exclusive Beede Panorama meter, featuring extended scales, better natural illumination, improved readability, and cased so handsomely that the most demanding of stylists will approve it. This meter is 3 1/2" high and 4 1/2" wide.

DC MICROAMMETERS

| Model 310 | Model 14 | Net Ea. | Range | Model 16 | Model 230 | Net Ea. |
|-----------|----------|---------|---------|----------|-----------|---------|
| A53H700 | A53H726 | 8.76 | 0-50µa | A53H750 | A53H776 | 9.86 |
| A53H701 | A53H727 | 8.49 | 0-100µa | A53H751 | A53H777 | 8.85 |
| A53H702 | A53H728 | 8.07 | 0-200µa | A53H752 | A53H778 | 8.40 |
| A53H703 | A53H729 | 6.59 | 0-500µa | A53H753 | A53H779 | 7.53 |

DC MILLIAMMETERS

| Model 310 | Model 14 | Net Ea. | Range | Model 16 | Model 230 | Net Ea. |
|-----------|----------|---------|---------|----------|-----------|---------|
| A53H704 | A53H730 | 6.23 | 0-1ma | A53H754 | A53H780 | 7.17 |
| A53H705 | A53H731 | 5.78 | 0-5ma | A53H755 | A53H781 | 6.06 |
| A53H706 | A53H732 | 5.78 | 0-10ma | A53H756 | A53H782 | 6.06 |
| A53H707 | A53H733 | 5.78 | 0-50ma | A53H757 | --- | 6.06 |
| A53H708 | A53H734 | 5.78 | 0-100ma | A53H758 | A53H783 | 6.06 |
| A53H709 | A53H735 | 5.78 | 0-200ma | A53H759 | A53H784 | 6.06 |
| A53H710 | A53H736 | 5.78 | 0-500ma | A53H760 | A53H785 | 6.06 |

E VU METERS

| Model 310 | Model 14 | Net Ea. | Model 16 | Model 230 | Net Ea. |
|-----------|----------|---------|----------|-----------|---------|
| A53H711 | A53H737 | 11.68 | A53H761 | A53H786 | 12.40 |

DC AMMETERS

| Model 310 | Model 14 | Net Ea. | Range | Model 16 | Model 230 | Net Ea. |
|-----------|----------|---------|-------|----------|-----------|---------|
| A53H712 | A53H738 | 5.78 | 0-1A | A53H762 | A53H787 | 6.06 |
| A53H713 | A53H739 | 5.78 | 0-5A | A53H763 | A53H788 | 6.06 |
| A53H714 | A53H740 | 5.78 | 0-10A | A53H764 | A53H789 | 6.06 |
| A53H715 | A53H741 | 5.78 | 0-25A | A53H765 | A53H790 | 6.06 |
| A53H716 | A53H742 | 5.78 | 0-50A | A53H766 | A53H791 | 6.06 |

DC VOLT METERS

| Model 310 | Model 14 | Net Ea. | Range | Model 16 | Model 230 | Net Ea. |
|-----------|----------|---------|---------|----------|-----------|---------|
| A53H717 | A53H743 | 5.78 | 0-1V | A53H767 | A53H792 | 6.06 |
| A53H718 | A53H744 | 5.78 | 0-3V | A53H768 | A53H793 | 6.06 |
| A53H719 | A53H745 | 5.78 | 0-5V | A53H769 | A53H794 | 6.06 |
| A53H720 | A53H746 | 5.78 | 0-10V | A53H770 | A53H795 | 6.06 |
| A53H721 | --- | 5.78 | 0-25V | A53H771 | A53H796 | 6.06 |
| --- | --- | --- | 0-50V | A53H772 | A53H797 | 6.06 |
| A53H722 | A53H747 | 5.78 | 0-150V | A53H773 | A53H798 | 6.06 |
| A53H723 | A53H748 | 5.78 | 0-300V | A53H774 | A53H799 | 6.06 |
| A53H724 | --- | 5.78 | 0-500V | --- | --- | --- |
| A53H725 | A53H749 | 5.78 | 0-1000V | A53H775 | A53H800 | 6.06 |

Sterling Dry Cell Tester



| Cat. No. | Model | Scale | Net |
|----------|---------------------|--------------|------|
| A25H425 | 24 Ammeter | 0-35A | 2.10 |
| A25H426 | 34C Voltmeter | 0-50V | 2.45 |
| A25H427 | 45 Voltmeter | 0-35A, 0-50V | 3.15 |
| A25H428 | 37A Voltmeter | 0-50, 0-2V | 2.40 |
| A25H429 | 38A Voltmeter | 0-100, 0-2V | 2.55 |
| A25H430 | 39A Voltmeter | 0-150, 0-2V | 2.55 |
| A25H431 | 40A Voltmeter | 0-150, 0-10V | 2.70 |
| A25H432 | 10 For Hearing Aid* | --- | 3.15 |

*Batteries: 1½, 1.2V "A"; 15, 22½, 30, 45V "B"

SIDE INDICATOR PANEL METERS

Small International Instruments side indicating panel meters designed to save space on crowded panels. Miniature D'Arsonval movements in clear plastic cases. ±2% accuracy.

| Cat. No. | Type | Scale | Net |
|----------|---------|--------------------|-------|
| A25H678 | 1120HBI | 0-100 DC Microamps | 14.25 |
| A25H679 | 1120HBI | 0-500 DC Microamps | 12.25 |
| A25H680 | 1120HBI | 0-1 DC Milliamps | 10.75 |
| A25H681 | 1120HBI | 0-5 DC Milliamps | 11.75 |

Up to 100% Protection From Meter Overload



Meter Overload Protector

\$3.25

Provides up to 100% overload protection for any D'Arsonval meter. Attaches directly to meter terminals. Every meter should have one. A25H470 Ship. wt. 1 lb. Net 3.25



F Emico Meters

Plexiglass faced meters with steel cases. DC meters have new Hi-Tork magnetic movements; accurate to within 5%. AC meters are of moving iron type; accurate to within 5%.

DC AMMETERS

| Cat. No. | Emico | Range | Net |
|----------|-------|----------|------|
| A25H471 | 2303 | 0-10A | 2.11 |
| A25H472 | 2310 | 1-0.3A | 2.11 |
| A25H473 | 2314 | 20-0.20A | 2.11 |
| A25H474 | 2315 | 30-0.30A | 2.11 |

DC MILLIAMMETERS

| Cat. No. | Emico | Range | Net |
|----------|--------|---------|------|
| A25H475 | 2320 | 0-1ma | 3.87 |
| A25H476 | 2326 | 0-10ma | 2.40 |
| A25H477 | 2327 | 0-20ma | 2.11 |
| A25H478 | 2328 | 0-30ma | 2.11 |
| A25H479 | 2329 | 0-50ma | 2.11 |
| A25H480 | 2330 | 0-100ma | 2.11 |
| A25H481 | 2330-A | 0-150ma | 2.11 |
| A25H482 | 2330-B | 0-200ma | 2.11 |
| A25H483 | 2331 | 0-300ma | 2.11 |
| A25H484 | 2332 | 0-500ma | 2.11 |

DC VOLT METERS

| Cat. No. | Emico | Range | Net |
|----------|-------|--------|------|
| A25H485 | 2335 | 0-3V | 2.11 |
| A25H486 | 2336 | 3-0.3V | 2.11 |
| A25H487 | 2337 | 0-10V | 2.11 |

AC AMMETERS

| Cat. No. | Emico | Range | Net |
|----------|-------|-------|------|
| A25H488 | 6303 | 0-5A | 3.23 |
| A25H489 | 6304 | 0-10A | 3.23 |

AC MILLIAMMETERS

| Cat. No. | Emico | Range | Net |
|----------|-------|------------|------|
| A25H490 | 6329 | 0-500ma AC | 3.23 |

AC VOLT METERS

| Cat. No. | Emico | Range | Net |
|----------|-------|----------|------|
| A25H491 | 6337 | 0-15VAC | 3.23 |
| A25H492 | 6339 | 0-150VAC | 3.82 |
| A25H493 | 6340 | 0-300VAC | 4.41 |

EMICO AC VOLTAGE TESTER

G An accurate, precision mechanism plug-in type with damped meter movement. Convenient 90° swivel prongs for ease of reading from any position. Range 0-150 VAC. List \$4.50. A25H494, Emico 0-116. Net 2.94

Sterling Panel Meters

Flush case, square flange, black enamel finish, 2" x 2", and 3/8" deep. Both AC, DC types are PM, iron vane, solenoid. Positive action.



STERLING DC MILLIAMMETERS

| Cat. No. | Model | Range | Net |
|----------|-------|---------|------|
| A25H396 | 835 | 0-2ma | 2.70 |
| A25H397 | 836 | 0-5ma | 2.25 |
| A25H398 | 837 | 0-10ma | 2.10 |
| A25H399 | 838 | 0-15ma | 1.80 |
| A25H400 | 839 | 0-25ma | 1.80 |
| A25H401 | 840 | 0-50ma | 1.80 |
| A25H402 | 841 | 0-100ma | 1.80 |
| A25H403 | 842 | 0-150ma | 1.80 |
| A25H404 | 843 | 0-200ma | 1.80 |
| A25H405 | 844 | 0-300ma | 1.80 |
| A25H406 | 848 | 0-500ma | 1.80 |

STERLING DC VOLT METERS

| Cat. No. | Model | Range | Net |
|----------|-------|--------|------|
| A25H385 | 801 | 0-1V | 1.80 |
| A25H386 | 802 | 0-3V | 1.80 |
| A25H387 | 804 | 0-5V | 1.80 |
| A25H388 | 807 | 0-10V | 1.80 |
| A25H389 | 808 | 0-15V | 1.80 |
| A25H390 | 809 | 0-25V | 1.80 |
| A25H391 | 811 | 0-50V | 1.80 |
| A25H392 | 813 | 0-100V | 2.10 |
| A25H393 | 815 | 0-150V | 2.25 |
| A25H394 | 817 | 0-300V | 3.00 |
| A25H395 | 818 | 0-500V | 3.60 |

STERLING AC AMMETERS

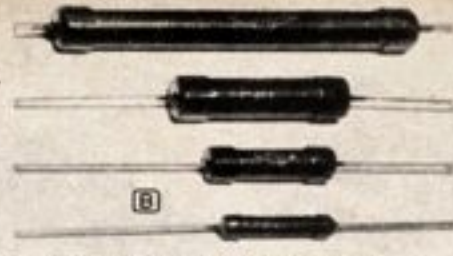
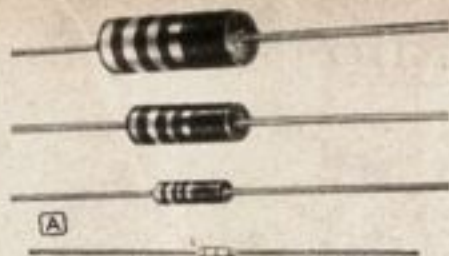
| Cat. No. | Model | Range | Net |
|----------|-------|-------|------|
| A25H419 | 886 | 0-1A | 2.85 |
| A25H420 | 887 | 0-3A | 2.85 |
| A25H421 | 889 | 0-10A | 2.85 |
| A25H422 | 897 | 0-30A | 3.00 |
| A25H423 | 917 | 0-15A | 2.85 |
| A25H424 | 918 | 0-25A | 2.85 |

AC VOLT METERS

| Cat. No. | Model | Range | Net |
|----------|-------|----------|------|
| A25H416 | 873 | 0-15VAC | 2.85 |
| A25H417 | 874 | 0-150VAC | 3.60 |
| A25H418 | 875 | 0-300VAC | 4.05 |

DC AMMETERS

| Cat. No. | Model | Range | Net |
|----------|-------|-------|------|
| A25H407 | 855 | 0-1A | 1.80 |
| A25H408 | 856 | 0-3A | 1.80 |
| A25H409 | 857 | 0-5A | 1.80 |
| A25H410 | 858 | 0-10A | 1.80 |
| A25H411 | 864 | 0-15A | 1.80 |
| A25H412 | 868 | 0-20A | 1.80 |
| A25H413 | 865 | 0-30A | 1.80 |
| A25H414 | 869 | 0-40A | 2.40 |
| A25H415 | 866 | 0-50A | 2.40 |



Composition, Precision & Wirewound Resistors

"LITTLE DEVIL" MOLDED COMPOSITION OHMITE RESISTORS— $\frac{1}{10}$ W, $\frac{1}{4}$ W, $\frac{1}{2}$ W, 1W, 2W. Tolerances $\pm 5\%$ and $\pm 10\%$. Only bold face values available in 10%. Sizes: $\frac{1}{10}$ w $\frac{1}{16} \times .087$ " dia., $\frac{1}{4}$ w $\frac{1}{8} \times .09$ " dia., $\frac{1}{2}$ w $\frac{3}{16} \times \frac{1}{8}$ " dia., 1w $\frac{1}{4} \times \frac{1}{8}$ " dia., 2w $\frac{1}{2} \times \frac{1}{8}$ " dia. All wattages have $1\frac{1}{2}$ " tinned leads.

IRC TYPE "BW" INSULATED WIRE WOUND RESISTORS— $\frac{1}{2}$ W, 1W, 2W. Tolerances $\pm 5\%$ and $\pm 10\%$. Only bold face values available in 10%. Sizes: $\frac{1}{2}$ w $\frac{3}{16} \times \frac{1}{8}$ " dia., 1w $1\frac{1}{4} \times \frac{1}{4}$ " dia., 2w $1\frac{1}{2} \times \frac{1}{2}$ " dia. All wattages have $1\frac{1}{2}$ " tinned leads. Little permanent change with 50 to 100% overloads.

STANDARD VALUES—Specify When Ordering

| 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 | 150 | 620 | 3000 | 15,000 | 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 | |

OHMITE® Composition Resistors

| Cat. No. | Wattage | Tolerance | Value | Net |
|----------|---------|-----------|-------------------|-----|
| A098198 | 1/10 | 10% | 10 ohms—1 meg | .24 |
| A098294 | 1/4 | 5% | 47 ohms—22 meg | .26 |
| A098295 | 1/4 | 10% | 47 ohms—22 meg | .13 |
| A098195 | 1/2 | 5% | 10 ohms—22 meg | .24 |
| A098195 | 1/2 | 10% | 10 ohms—22 meg | .12 |
| A098196 | 1 | 5% | 10 ohms—22 meg | .36 |
| A098196 | 1 | 10% | 2.7 ohms—8.2 ohms | .35 |
| A098196 | 1 | 10% | 10 ohms—22 meg | .18 |
| A098197 | 2 | 5% | 10 ohms—22 meg | .24 |
| A098197 | 2 | 10% | 10 ohms—22 meg | .24 |

IRC Fixed Wire Wound Resistors

| Cat. No. | Type | Wattage | Tolerance | Value | Net |
|----------|-------|---------|-----------|-------------------|-----|
| A098980 | BW1/2 | 1/2 | 5% | 0.24 ohm—9.1 ohm | .48 |
| A098981 | BW1/2 | 1/2 | 5% | 10 ohm—820 ohm | .30 |
| A098982 | BW1/2 | 1/2 | 10% | 0.27 ohm—8.2 ohm | .24 |
| A098983 | BW1/2 | 1/2 | 10% | 10 ohm—820 ohm | .20 |
| A098984 | BW 1 | 1 | 5% | 0.47 ohm—5100 ohm | .45 |
| A098985 | BW 1 | 1 | 10% | 0.47 ohm—4700 ohm | .30 |
| A098986 | BW 2 | 2 | 5% | 1 ohm—8200 ohm | .60 |
| A098987 | BW 2 | 2 | 10% | 1 ohm—8200 ohm | .40 |

ⓑ AEROVOX 1% Carbofilm Resistors 1/2W, 1W, 2W

Ideal for use in test equipment, low noise preamplifier circuits and other precision needs. Temperature coefficient 0.00018 per °C for low values to 0.0005 per °C. Temperature

range -55°C to 85°C. May be overloaded to twice maximum voltage for 5 sec with resistance change of less than 5%. Sizes: $\frac{1}{2}$ w $1\frac{1}{16} \times .230$ " dia., 1w $1\frac{1}{8} \times 0.293$ " dia., 2w $2\frac{1}{8} \times 0.293$ " dia.

STOCK VALUES—Specify When Ordering

| OHMS | OHMS | OHMS | OHMS | OHMS | OHMS | OHMS | OHMS | OHMS | OHMS | OHMS | OHMS | OHMS |
|------|------|------|------|------|------|--------|---------|---------|---------|---------|---------|------|
| 3.0 | 33 | 82 | 360 | 900 | 4000 | 10,000 | 45,000 | 120,000 | 500,000 | 1.6 meg | 5.6 meg | |
| 4.0 | 35 | 85 | 390 | 910 | 4300 | 11,000 | 47,000 | 130,000 | 510,000 | 1.8 meg | 6.0 meg | |
| 5.0 | 36 | 90 | 400 | 1000 | 4500 | 12,000 | 50,000 | 150,000 | 550,000 | 2.0 meg | 6.2 meg | |
| 6.0 | 39 | 91 | 430 | 1100 | 4700 | 13,000 | 51,000 | 160,000 | 560,000 | 2.2 meg | 6.5 meg | |
| 8.0 | 40 | 100 | 450 | 1200 | 5000 | 15,000 | 55,000 | 180,000 | 600,000 | 2.4 meg | 6.8 meg | |
| 9.0 | 43 | 110 | 470 | 1300 | 5100 | 16,000 | 56,000 | 200,000 | 620,000 | 2.5 meg | 7.0 meg | |
| 10.0 | 45 | 120 | 500 | 1500 | 5500 | 18,000 | 60,000 | 220,000 | 650,000 | 2.7 meg | 7.5 meg | |
| 11 | 47 | 130 | 510 | 1600 | 5600 | 20,000 | 62,000 | 240,000 | 680,000 | 3.0 meg | 8.0 meg | |
| 12 | 50 | 150 | 550 | 1800 | 6000 | 22,000 | 65,000 | 250,000 | 700,000 | 3.3 meg | 8.2 meg | |
| 13 | 51 | 160 | 560 | 2000 | 6200 | 24,000 | 68,000 | 270,000 | 750,000 | 3.5 meg | 8.5 meg | |
| 15 | 55 | 180 | 600 | 2200 | 6500 | 25,000 | 70,000 | 300,000 | 800,000 | 3.6 meg | 9.0 meg | |
| 16 | 56 | 200 | 620 | 2400 | 6800 | 27,000 | 75,000 | 330,000 | 870,000 | 3.9 meg | 9.1 meg | |
| 18 | 60 | 220 | 650 | 2500 | 7000 | 30,000 | 80,000 | 350,000 | 850,000 | 4.0 meg | 10 meg | |
| 20 | 62 | 240 | 680 | 2700 | 7500 | 33,000 | 82,000 | 360,000 | 900,000 | 4.3 meg | | |
| 22 | 65 | 250 | 700 | 3000 | 8000 | 35,000 | 85,000 | 390,000 | 910,000 | 4.5 meg | | |
| 24 | 68 | 270 | 750 | 3300 | 8200 | 36,000 | 90,000 | 400,000 | 1.0 meg | 4.7 meg | | |
| 25 | 70 | 300 | 800 | 3500 | 8500 | 39,000 | 91,000 | 430,000 | 1.2 meg | 5.0 meg | | |
| 27 | 75 | 330 | 820 | 3600 | 9000 | 40,000 | 100,000 | 450,000 | 1.3 meg | 5.1 meg | | |
| 30 | 80 | 350 | 850 | 3900 | 9100 | 43,000 | 110,000 | 470,000 | 1.5 meg | 5.5 meg | | |

| Cat. No. | Type | Range | Net |
|----------|--------|---------------|------|
| A108742 | CP-1/2 | 3 ohm—40 ohm | .72 |
| A108635 | CP-1/2 | 41 ohm—2 meg | .60 |
| A108734 | CP-1 | 10 ohm—99 ohm | 1.05 |
| A108735 | CP-1 | 100 ohm—5 meg | .90 |

| Cat. No. | Type | Range | Net |
|----------|------|----------------|------|
| A108736 | CP-1 | 5.1 meg—10 meg | .99 |
| A108743 | CP-2 | 50 ohm—199 ohm | 1.35 |
| A108637 | CP-2 | 200 ohm—10 meg | 1.08 |

OHMITE Ohm's Law Calculator

Ⓒ Handy pocket size (9" x 3") calculator solves Ohm's Law problems with just one setting of the slide. Two types are available—varnished cardboard and a deluxe model made of durable Vinylite. Also has parallel resistance computing scales. The Ohm's Law resistance scale covers a range from 0.01 ohm to 100 megohms. Current scales in both amps and milliamps. The calculator also has the familiar A, B, C and D slide rule scales.

| | | |
|---------|-----------|------|
| A098425 | Cardboard | .25 |
| A098426 | Plastic | 1.50 |

Ⓓ 7 1/2 OHM FUSE RESISTOR

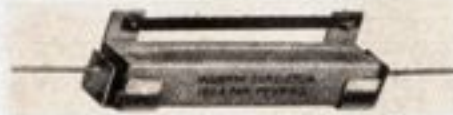
Type FR-7.5—7 1/2 ohm resistor replaces many fuse resistors used in TV. Furnished with 1 1/2" tinned wire leads for easy replacement.

A098113 Ohmite FR-7.5.....38

IRC RESIST-O GUIDE

Handy, vest-pocket resistor guide. Has three multi-colored rotary dials which quickly indicate value of any resistor color-coded according to RETMA standards. Tolerance indicator. Back lists RETMA-JAN standard 5% and 10% stock values. Ship. wt. 2 oz.

A108200.....Net .15

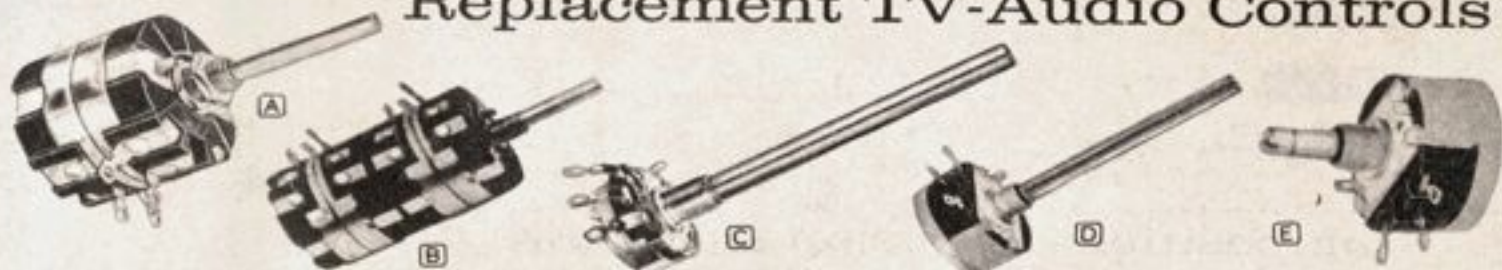


WUERTH SURGISTORS

Combines function of resistor and relay to limit in-rush currents to tube heaters. Lengthens life of tube elements. Rating: 117 volts AC-DC. Self-mounting with instructions for Black and White, TV, Hi-Fi and other electronic equipment. Model W8050-4 is ideal for color TV.

| | | | |
|---------|---------|---------------|----------|
| A098350 | W4100-2 | 100-300 Watts | Net .97 |
| A098359 | W8050-4 | 250-400 Watts | Net 1.15 |

Replacement TV-Audio Controls



CLAROSTAT L AND T PADS

A For sound system use. Rated at 10 watts audio. Knob and dial plate included. T Pad—1 $\frac{1}{16}$ " dia. x 2 $\frac{1}{32}$ " L; L Pad—1 $\frac{1}{16}$ " dia. x 1 $\frac{1}{32}$ " L.

| T PADS | | L PADS | | | |
|----------|--------------|---------|----------|--------------|------|
| Cat. No. | Res. in Ohms | Net | Cat. No. | Res. in Ohms | Net |
| A098742 | 4 | 2.73 | A098749 | 4 | 3.09 |
| A098743 | 8 | | A098750 | 8 | |
| A098744 | 15 | | A098751 | 15 | |
| A098745 | 50 | | A098752 | 50 | |
| A098746 | 200 | | A098753 | 200 | |
| A098747 | 500 | A098754 | 500 | | |
| A098748 | 600 | A098755 | 600 | | |

STEREO L PAD

B Dual L pads for stereo system. Handles up to 10 watts audio power. Dial and knob furnished. 1 $\frac{1}{16}$ " dia. x 3 $\frac{1}{4}$ " L. Shaft and bushing 1 $\frac{1}{16}$ " L.

| Cat. No. | Res. in Ohms | Net |
|----------|--------------|------|
| A098740 | 8 | 5.85 |
| A098741 | 15 | 5.85 |

MALLORY 7W. WIRE-WOUND

POTENTIOMETER

Stub shaft, with grounded contact arm. 310° total rotation; 299° effective electrical rotation. Will dissipate 7 watts. Mounting hardware furnished.

| Cat. No. | Type | Ohms | Amps. | Net |
|----------|--------------------------------------|--------|-------|---------|
| A098714 | E5MP | 5000 | .042 | 2.70 |
| A098715 | E10MP | 10000 | .03 | 2.88 |
| A098716 | E20MP | 20000 | .021 | 2.94 |
| A098717 | E25MP | 25000 | .019 | 3.03 |
| A098718 | E50MP | 50000 | .0135 | 3.00 |
| A098719 | E75MP | 75000 | .011 | 3.18 |
| A098720 | E100MP | 100000 | .0095 | 3.23 |
| A098721 | E125MP | 125000 | .0085 | 3.23 |
| A098722 | E150MP | 150000 | .0078 | 3.29 |
| A098723 | Type 399 Dial Plate for "E" Controls | | | Net .15 |

MALLORY 2W. WIRE-WOUND

POTENTIOMETER

Designed for TV and industrial use in replacement of positioning, hold, focus, other controls of TV sets requiring 2-watt unit. Ideal for voltage divider, bias applications in all electronic instruments. Size: 1 $\frac{1}{16}$ " dia., $\frac{3}{16}$ " bushing standard, $\frac{9}{16}$ " x $\frac{1}{4}$ " dia. slotted stub shaft. All linear taper.

| Cat. No. | Mallory | Ohms | Net |
|----------|---------|-------|------|
| A098509 | R20L | 20 | .91 |
| A098512 | R30L | 30 | .91 |
| A098513 | R30CTc | 30 | 1.29 |
| A098514 | R50L | 50 | .91 |
| A098515 | R250L | 250 | .91 |
| A098516 | R500L | 500 | .91 |
| A098517 | R1000L | 1000 | .91 |
| A098518 | R1500L | 1500 | .91 |
| A098519 | R2500L | 2500 | .91 |
| A098520 | R3000L | 3000 | .91 |
| A098521 | R5000L | 5000 | .91 |
| A098552 | R7500L | 7500 | 1.06 |
| A098553 | R10ML | 10000 | 1.06 |
| A098554 | R15ML | 15000 | 1.06 |
| A098555 | R20ML | 20000 | 1.06 |

†Center-tapped control

Q CONTROLS

Have 3" universal shaft, knurled, flatted and slotted, can be cut to desired length. 1 $\frac{1}{16}$ " body dia. Bushing is $\frac{1}{4}$ " long. Smooth, extremely quiet operation. See taper explanation below. Average shipping weight 4 oz.

| Cat. No. | Type | Ohms | Taper | Cat. No. | Type | Ohms | Taper |
|----------|---------|---------|-------|----------|----------|----------|---------|
| A098032 | Q11-103 | 500 | A | A098569 | Q11-129 | .2 meg | A |
| A098556 | Q11-105 | 750 | A | A098051 | Q11-130 | .25 meg | A |
| A098033 | Q11-108 | 1K | A | A098052 | Q13-130 | .25 meg | C |
| A098034 | Q11-110 | 2K | A | A098059 | Q11-133 | .5 meg | A |
| A098035 | Q11-112 | 3K | A | A098060 | Q13-133 | .5 meg | C |
| A098036 | Q11-114 | 5K | A | A098062 | Q14-133 | .5 meg | D |
| A098563 | Q13-114 | 5K | C | A098064 | Q18-133X | .5 meg | Spec. |
| A098038 | Q11-116 | 10K | A | A098068 | Q13-137 | 1.0 meg | C |
| A098039 | Q13-116 | 10K | C | A098077 | Q11-138 | 1.5 meg | A |
| A098040 | Q14-116 | 10K | D | A098078 | Q11-139 | 2.0 meg | A |
| A098041 | Q11-119 | 20K | A | A098079 | Q13-139 | 2.0 meg | C |
| A098042 | Q16-119 | 20K | Spec. | A098086 | Q11-239 | 2.5 meg | A |
| A098044 | Q14-120 | 25K | D | A098087 | Q11-140 | 3.0 meg | A |
| A098046 | Q11-123 | 50K | A | A098089 | Q11-141 | 5.0 meg | A |
| A098047 | Q13-123 | 50K | C | A098572 | Q13-141 | 5.0 meg | C |
| A098048 | Q14-123 | 50K | D | A098573 | Q17-141 | 5.0 meg | C (REV) |
| A098566 | Q11-125 | 75K | A | A098574 | Q11-142 | 7.5 meg | A |
| A098049 | Q11-128 | 0.1 meg | A | A098090 | Q11-143 | 10.0 meg | A |
| A098050 | Q13-128 | 0.1 meg | C | | | | |

Net Each91

TAPPED Q CONTROLS

| Cat. No. | Type | Meg. | Meg. Tap | Taper | Cat. No. | Type | Meg. | Meg. Tap | Taper |
|----------|-----------|------|----------|-------|----------|-----------|------|----------|-------|
| A098053 | Q13-130X | 0.25 | 0.125 | Spec. | A098075 | Q19-137X | 1.0 | 0.5 | Spec. |
| A098061 | Q13-133X | 0.5 | 0.125 | H | A098076 | QVC-539X | 1.0 | — | Spec. |
| A098065 | Q19-133X | 0.5 | 0.25 | Spec. | A098080 | Q13-139X | 2.0 | 0.5 | H |
| A098067 | Q11-137 | 1.0 | — | A | A098081 | Q13-139XX | 2.0 | 0.5-1.0 | Spec. |
| A098069 | Q13-137K | 1.0 | 0.25-0.5 | H | A098083 | Q18-139X | 2.0 | 1.0 | Spec. |
| A098074 | Q18-137XX | 1.0 | 0.5 | Spec. | | | | | |

Net Each 1.32

Q Control Switches: Snap on to back of Q control.

A098099 Type 76-1 SPST Net .41 A098099 Type 76-2 DPST Net .41

EXPLANATION OF TAPERS

TAPER A. Linear curve for uniform resistance change.
TAPER C. Logarithmic curve for audio circuit control or antenna shunt control.
TAPER D. Tapered at both ends to provide control of grid bias or antenna circuit. Used where control of the grid bias is of prime importance in regulating the gain.
TAPER H. Tapped logarithmic curve. Audio level control for bass compensation.

IRC 4-WATT WIRE-WOUND TV CONTROLS

D Universal type: 1 $\frac{1}{16}$ " dia.; $\frac{1}{16}$ " D., behind panel; $\frac{1}{4}$ " bushing; 3" shaft. Taper: U-linear, L-left hand for focus control, R-right hand for contrast control.

| Cat. No. | Type | Res. in Ohms | Taper | Net | Cat. No. | Type | Res. in Ohms | Taper | Net |
|----------|----------|--------------|-------|------|----------|----------|--------------|-------|------|
| A098601 | WPK10 | 10 | U | | A098622 | WPK1500L | 1500L | L | |
| A098602 | WPK20 | 20 | U | | A098623 | WPK2000 | 2000 | U | |
| A098603 | WPK30 | 30 | U | | A098625 | WPK2000 | 2000 | L | |
| A098604 | WPK50 | 50 | U | | A098627 | WPK2250L | 2250L | L | |
| A098605 | WPK100 | 100 | U | | A098619 | WPK2500 | 2500 | U | |
| A098606 | WPK200 | 200 | U | | A098628 | WPK2500R | 2500R | R | 1.12 |
| A098607 | WPK250 | 250 | U | | A098620 | WPK3000 | 3000 | U | |
| A098608 | WPK300 | 300 | U | | A098629 | WPK4000L | 4000L | L | |
| A098609 | WPK400 | 400 | U | | A098621 | WPK5000 | 5000 | U | |
| A098610 | WPK450 | 450 | U | 1.12 | A098630 | WPK5000L | 5000L | L | |
| A098611 | WPK650 | 650 | U | | A098651 | WPK6000 | 6000 | U | |
| A098612 | WPK750 | 750 | U | | A098652 | WPK6000L | 6000L | L | |
| A098613 | WPK750L | 750L | L | | A098653 | WPK7500 | 7500 | U | |
| A098615 | WPK750R | 750R | R | | A098624 | WPK10000 | 10000 | U | 1.36 |
| A098614 | WPK1000 | 1000 | U | | A098654 | WPK12500 | 12500 | U | |
| A098617 | WPK1350 | 1350 | U | | A098655 | WPK15000 | 15000 | U | |
| A098618 | WPK1350R | 1350R | R | | A098626 | WPK20000 | 20000 | U | |
| A098616 | WPK1500 | 1500 | U | | A098619 | WPK25000 | 25000 | U | |

4-WATT WPS TV CONTROL

E Universal wire-wound control same as type WPK with $\frac{3}{16}$ " long slotted and knurled shaft.

| Cat. No. | Type | Res. in Ohms | Taper | Net Ea. | Cat. No. | Type | Res. in Ohms | Taper | Net Ea. |
|----------|---------|--------------|-------|---------|----------|----------|--------------|-------|---------|
| A098641 | WPS25 | 25 | U | 1.12 | A098633 | WPS2000 | 2000 | U | 1.12 |
| A098642 | WPS40 | 40 | U | 1.12 | A098634 | WPS2250 | 2250 | U | 1.12 |
| A098643 | WPS60 | 60 | U | 1.12 | A098647 | WPS2250L | 2250L | L | 1.12 |
| A098744 | WPS250 | 250 | U | 1.12 | A098635 | WPS2500 | 2500 | U | 1.12 |
| A098645 | WPS500 | 500 | U | 1.12 | A098636 | WPS3000 | 3000 | U | 1.12 |
| A098646 | WPS500L | 500L | L | 1.12 | A098637 | WPS4000 | 4000 | U | 1.12 |
| A098631 | WPS1000 | 1000 | U | 1.12 | A098648 | WPS4000L | 4000L | L | 1.12 |
| A098632 | WPS1500 | 1500 | U | 1.12 | A098638 | WPS5000 | 5000 | U | 1.12 |

OHMITE

Wire Wound Resistors

May now be purchased on Radio Shack's Easy-Pay-Plan See Page 3 for details



(A) Real vitreous enamel coating. Resistance wire welded to terminals for perfect electrical connection. Recommended for dependability. Engineered to provide maximum protection against humidity and mechanical damage.

STOCK RANGES—SPECIFY VALUES

| Ohms | Ohms | Ohms | Ohms | Ohms | Ohms | Ohms | Ohms | Ohms |
|------|------|------|------|-------|--------|-------|------|------|
| 0.5† | 20* | 225* | 800 | 2500 | 8000 | 17.5K | 55K | |
| 1 | 25 | 250 | 900 | 2750† | 8500** | 18K** | 60K* | |
| 1.5* | 30* | 300 | 1K | 3000 | 9000 | 20K | 65K | |
| 2 | 35* | 350 | 1100 | 3500 | 10K | 22.5K | 70K | |
| 3 | 40* | 400 | 1200 | 4000 | 11K** | 25K | 75K | |
| 4 | 50 | 450* | 1250 | 4500 | 12K** | 30K | 80K | |
| 5 | 75 | 500 | 1600 | 5000 | 12.5K | 35K | 85K | |
| 7.5* | 100 | 600* | 1750 | 6000 | 13.5K | 40K | 90K | |
| 10 | 125 | 650† | 2000 | 7000 | 15K | 45K | 95K | |
| 12* | 150 | 700 | 2250 | 7500 | 16K** | 50K | 100K | |
| 15* | 200 | 750 | | | | | | |

(B) These dependable, humidity resistant resistors are the vitreous enameled lug-type. They are available in fixed power ranges of 25, 50, and 100 watts. The resistance wire is welded to the terminal for perfect electrical connections.

STOCK RANGES (OHMS)

| | | | | | |
|-----|------|-------|---------|------|-------|
| 1 | 50 | 750 | 4000 | 20K | 75K†† |
| 2 | 75 | 800 | 5000 | 25K | 80K* |
| 3 | 100 | 1000 | 6000* | 30K‡ | 100K |
| 4 | 125† | 1500 | 7500 | 35K† | 125K |
| 5 | 150 | 2000 | 8000** | 40K‡ | 150K |
| 10 | 200† | 2500 | 10,000 | 50K | 175K |
| 15* | 250 | 3000 | 12,000‡ | 60K | 20K |
| 25 | 500 | 3500* | 15,000 | 70K* | 250K |

*25 watt only. **50 watt only. †100 watt only. ‡25 and 50 watt only. ††Not in 25 watt. ‡Not in 50 watt. Values over 100K in 50 watt only.

OHMITE Dividohm Adjustable Resistors

(C) The resistance wire is wound over a porcelain core. The surface is covered with vitreous enamel, and the mounting bracket is supplied. Come in ranges of 10 watts to 200 watts.

STOCK NAMES (OHMS)

| | | |
|------|------|-------|
| 1 | 400 | 7500 |
| 2 | 500 | 8000 |
| 3 | 600* | 8500* |
| 4* | 750 | 9000 |
| 5 | 800 | 10K |
| 7.5 | 1000 | 12K |
| 10 | 1250 | 15K |
| 15 | 1500 | 20K |
| 20 | 2000 | 25K |
| 25 | 2250 | 30K |
| 50 | 2500 | 35K |
| 75 | 3000 | 40K |
| 100 | 3500 | 45K |
| 150 | 4000 | 50K |
| 200 | 4500 | 60K |
| 250 | 5000 | 80K |
| 300 | 6000 | 100K |
| 350* | 7000 | |

10-WATT 5-1 1/2 x 3/16", mtg. ctrs., 2 3/16". Available in all values listed in stock ranges, except those marked †.

OHMITE Brown Devils

5-WATT SIZE, 1 x 3/16". Values to 25,000 Ω except those marked †.

| Cat. No. | Ohms | Net |
|----------|------------------|-----|
| A098385 | 1 to 1000 | .52 |
| A098386 | 1100 to 5000 | .55 |
| A098387 | 6000 to 10,000 | .58 |
| A098388 | 12,500 to 15,000 | .65 |
| A098389 | 17,000 & 20,000 | .65 |
| A098390 | 22,500 & 25,000 | .68 |

10-WATT SIZE, 1 1/4" x 3/8". Values to 50,000 Ω except those marked †.

| | | |
|---------|------------------|-----|
| A098179 | 1 to 1000 | .57 |
| A098180 | 1100 to 5000 | .61 |
| A098181 | 6000 to 10,000 | .70 |
| A098182 | 11,000 to 20,000 | .79 |
| A098183 | 22,500 to 25,000 | .83 |
| A098184 | 30,000 to 50,000 | .93 |

20-WATT SIZE, 2 x 3/16". Available in all values except those marked †.

| Cat. No. | Ohms | Net |
|----------|-------------------|------|
| A098185 | 1 to 1000 | .68 |
| A098186 | 1100 to 5000 | .70 |
| A098187 | 6000 to 10,000 | .83 |
| A098188 | 12,500 to 20,000 | .85 |
| A098189 | 25,000 to 40,000 | .99 |
| A098190 | 45,000 to 60,000 | 1.15 |
| A098191 | 65,000 to 80,000 | 1.37 |
| A098192 | 85,000 to 100,000 | 1.57 |

Anything in This Catalog . . . No Minimum Order . . . On Our Easy Budget Plan See Page 3 for Details

OHMITE Fixed Power

25 WATT FIXED—2 x 3/16" core, No. 9 brackets, 2 3/4" mtg. ctrs., values to 100,000 ohms.

| Cat. No. | Ohms | Net |
|----------|---------------|------|
| A108915 | 1-1000 | .72 |
| A108916 | 1500-5000 | .75 |
| A108917 | 6000-10,000 | .85 |
| A108918 | 12,000-20,000 | .90 |
| A108919 | 25,000-40,000 | 1.04 |
| A108920 | 50,000-60,000 | 1.21 |
| A108921 | 70,000-80,000 | 1.42 |
| A108922 | 100,000 | 1.64 |

50-WATT FIXED—4 x 3/16" core, No. 9 brackets, 4 1/4" mtg. ctrs., values to 250,000 ohms.

| | | |
|---------|---------------|------|
| A108923 | 1 | 1.53 |
| A108924 | 2-1000 | 1.11 |
| A108925 | 1500-5000 | 1.14 |
| A108926 | 7500-10,000 | 1.23 |
| A108927 | 12,000-20,000 | 1.35 |

| Cat. No. | Ohms | Net |
|----------|---------------|------|
| A108928 | 25,000-35,000 | 1.54 |
| A108929 | 50,000 | 1.72 |
| A108930 | 75,000 | 1.97 |
| A108931 | 100,000 | 2.13 |
| A108932 | 125,000 | 2.57 |
| A108933 | 150,000 | 2.70 |
| A108934 | 175,000 | 2.79 |
| A108935 | 200,000 | 2.89 |
| A108936 | 250,000 | 3.24 |

100-WATT FIXED—6 1/2 x 3/8" core, 7 3/4" mtg. ctrs., No. 12 brackets, values to 100,000 ohms.

| | | |
|---------|---------------|------|
| A108937 | 1-3 | 2.16 |
| A108938 | 4-1000 | 1.54 |
| A108939 | 1500-5000 | 1.60 |
| A108940 | 7500-10,000 | 1.73 |
| A108941 | 15,000-20,000 | 1.87 |
| A108942 | 25,000-40,000 | 2.13 |
| A108943 | 50,000-60,000 | 2.21 |
| A108944 | 75,000 | 2.45 |
| A108945 | 100,000 | 2.75 |

25-WATTS—2 x 3/16", Mtg. ctrs., 2 3/4". All stock ranges up to 25,000 ohms except those indicated by †.

| Cat. No. | Range Ω | Net |
|----------|--------------|------|
| A198101 | 1-1000 | 1.14 |
| A198102 | 1250-5000 | 1.18 |
| A198103 | 6000-10K | 1.27 |
| A198104 | Extra Slider | .11 |
| A098105 | 1-1000 | 1.29 |
| A098106 | 1250-5000 | 1.32 |
| A098107 | 6000-10K | 1.42 |
| A098108 | 12K-30K | 1.47 |
| A098109 | 25K | 1.61 |
| A098110 | Extra Slider | .11 |

50-WATTS—4 x 3/16", Mtg. ctrs., 4 1/4". All stock ranges listed except those marked †.

| Cat. No. | Range | Net |
|----------|--------------|------|
| A098193 | 1 | 2.12 |
| A098111 | 2-1000 | 1.68 |
| A098112 | 1250-5000 | 1.71 |
| A098113 | 6000-10K | 1.80 |
| A098114 | 12K-20K | 1.92 |
| A098116 | 25K-40K | 2.11 |
| A098117 | 50K-60K | 2.29 |
| A098120 | 80K | 2.54 |
| A098116 | 100K | 2.70 |
| A098118 | Extra Slider | .11 |

100-WATTS—6 1/2 x 3/8", Mtg. Ctrs., 7 3/4".

| Cat. No. | Res. Ohms | Net |
|----------|--------------|------|
| A098129 | 1 | 2.73 |
| A098130 | 2 | 2.73 |
| A098131 | 3 | 2.73 |
| A098132 | 4 | 2.11 |
| A098133 | 5 | 2.11 |
| A098134 | 10 | 2.11 |
| A098135 | 25 | 2.11 |
| A098136 | 50 | 2.11 |
| A098137 | 100 | 2.11 |
| A098138 | 250 | 2.11 |
| A098139 | 500 | 2.11 |
| A098140 | 1000 | 2.11 |
| A098141 | 1500 | 2.17 |
| A098142 | 2500 | 2.17 |
| A098143 | 5000 | 2.17 |
| A098144 | 10,000 | 2.30 |
| A098145 | 15,000 | 2.44 |
| A098146 | 20,000 | 2.44 |
| A098147 | 25,000 | 2.70 |
| A098153 | Extra Slider | .26 |

200-WATTS—10 1/2 x 1 1/4", Mtg. Ctrs., 1 1/2".

| | | |
|---------|--------|------|
| A098168 | 5000 | 3.41 |
| A098169 | 10,000 | 3.59 |
| A098170 | 15,000 | 3.77 |
| A098171 | 20,000 | 3.77 |
| A098172 | 25,000 | 3.86 |
| A098173 | 30,000 | 3.86 |
| A098174 | 40,000 | 3.86 |

OHMITE Rheostats

12 1/2 Watt Model E:

| Cat. No. | Total Ohms | Net Ea. | Cat. No. | Total Ohms | Net Ea. |
|----------|------------|---------|----------|------------|---------|
| A098006 | 1 | 4.53 | A098016 | 125 | 4.03 |
| A098007 | 2 | 4.03 | A098019 | 175 | 4.03 |
| A098008 | 3 | 4.03 | A098020 | 250 | 4.03 |
| A098009 | 6 | 4.03 | A098021 | 350 | 4.03 |
| A098010 | 8 | 4.03 | A098022 | 500 | 4.03 |
| A098011 | 10 | 4.03 | A098023 | 750 | 4.03 |
| A098012 | 15 | 4.03 | A098024 | 1,000 | 4.33 |
| A098013 | 25 | 4.03 | A098025 | 1,500 | 4.33 |
| A098014 | 35 | 4.03 | A098026 | 2,500 | 4.33 |
| A098015 | 50 | 4.03 | A098027 | 3,500 | 4.76 |
| A098016 | 75 | 4.03 | A098028 | 5,000 | 4.76 |
| A098017 | 100 | 4.03 | A00J088 | Dial plate | .18 |

25 Watt—Type H

| Cat. No. | Ohms | Net | Cat. No. | Ohms | Net |
|----------|------|------|----------|------|------|
| A098201 | 1 | 4.53 | A098213 | 125 | 4.03 |
| A098202 | 2 | 4.03 | A098214 | 175 | 4.03 |
| A098203 | 3 | 4.03 | A098215 | 250 | 4.03 |
| A098204 | 6 | 4.03 | A098216 | 350 | 4.03 |
| A098205 | 8 | 4.03 | A098217 | 500 | 4.03 |
| A098206 | 10 | 4.03 | A098218 | 750 | 4.03 |
| A098207 | 15 | 4.03 | A098219 | 1000 | 4.53 |
| A098208 | 25 | 4.03 | A098220 | 1500 | 4.53 |
| A098209 | 35 | 4.03 | A098221 | 2500 | 4.53 |
| A098210 | 50 | 4.03 | A098222 | 3500 | 4.76 |
| A098211 | 75 | 4.03 | A098223 | 5000 | 4.76 |
| A098212 | 100 | 4.03 | | | |



Models E & H:

Model E is very small and actually occupies less space than a 2 watt potentiometer yet dissipates 12 1/2 watts. 3/8" diameter by 1/16" deep. 1/4" shaft. Model H vitreous enamel rheostats dissipates 25 watts and have all porcelain body, wire wound, insulated shaft. 1 1/4" diameter and 1 1/4" in depth.



Capacitors



A **MIRACLE FILTEROL**—Suppresses radio interference by filtering power lines. Plugs into duplex wall outlet and held secure by captive screw. Plug receiver into standard outlet on face of Miracle Filterol. External grounding post provided for use where wiring is of knob and tube or 2-wire non-metallic sheathed cable type. Tan hammerhead enamel case. Rated 5 amp, 125 volts AC or DC.
A608239 Type F-400.....Net 7.30

FILTEROL FILTERS

Types 1, 2, and 3 connect in series to high side of power supply lines to interference producing devices. One unit on 2-wire supply, one unit each wire in 3 or 4-wire systems. 3 terminals—case is one terminal. Type 4—high attenuation above 5 mc for small devices—current ratings to 20 amp. All types 115 volts AC or DC.

| Cat. No. | Type | Amps | Size | Net |
|----------|------|------|-----------------------|-------|
| A608243 | 1 | 1 | 1 1/2 x 1 1/2 x 1 1/2 | 7.94 |
| A608244 | 2 | 10 | 1 1/2 x 2 x 2 | 8.61 |
| A608245 | 3 | 35 | 1 3/4 x 2 1/2 x 3 1/4 | 16.12 |
| A608246 | 4 | 20 | 1 dia. x 1 1/2 | 1.79 |

B **TYPE IF FILTER CAPACITORS IF-15**—Triple-Section Filter. IF-11—Dual High-Capacity Filter for motors over 1 hp. IF-21—Compact Dual Filter for fractional hp. motors. IF-51—Single Section 2-Lead Filter. IF-37—6-Section Delta-Connected Filter; UL approved for fluorescent fixtures and governor-type motors. All types rated 220 volts AC or DC.

| Cat. No. | Type | Size | Net |
|----------|-------|---------------|------|
| A608234 | IF-15 | 1 x 2 1/2 | 1.52 |
| A608235 | IF-11 | 1 1/2 x 5 1/2 | 4.58 |
| A608236 | IF-21 | 1 x 2 1/2 | 1.03 |
| A608237 | IF-51 | 3/4 x 2 1/2 | .48 |
| A608238 | IF-37 | 1 x 3/4 | 1.32 |

C **SPRAGUE BLACK BEAUTY TELECAP MOLDED TUBULARS**—Here are Premium Quality Tubular Capacitors at NO EXTRA COST! You'll find them ideally suited for High Humidity and High Temperature Operation. Also offer Extremely High Insulation Resistance.

| Cat. No. | Sprague | µF | WVDC | Dia. x Length | Net |
|----------|---------|----------|--------|---------------|------|
| A608131 | MB-15 | .0005 | 1600 | 3/8 x 1 1/2 | .38 |
| A608132 | MB-D1 | .001 | 1600 | 3/8 x 1 1/2 | .38 |
| A608133 | MB-D15 | .0015 | 1600 | 3/8 x 1 1/2 | .38 |
| A608134 | MB-D2 | .002 | 1600 | 3/8 x 1 1/2 | .38 |
| A608135 | MB-D22 | .0022 | 1600 | 3/8 x 1 1/2 | .38 |
| A608136 | MB-D3 | .003 | 1600 | 3/8 x 1 1/2 | .38 |
| A608137 | MB-D33 | .0033 | 1600 | 3/8 x 1 1/2 | .38 |
| A608138 | MB-D4 | .004 | 1600 | 3/8 x 1 1/2 | .38 |
| A608139 | MB-D47 | .0047 | 1600 | 3/8 x 1 1/2 | .38 |
| A608140 | MB-D5 | .005 | 1600 | 3/8 x 1 1/2 | .38 |
| A608141 | MB-D6 | .006 | 1600 | 3/8 x 1 1/2 | .38 |
| A608142 | MB-D68 | .0068 | 1600 | 3/8 x 1 1/2 | .38 |
| A608143 | MB-D7 | .007 | 1600 | 3/8 x 1 1/2 | .38 |
| A608144 | MB-D75 | .0075 | 1600 | 3/8 x 1 1/2 | .38 |
| A608145 | MB-D8 | .008 | 1600 | 3/8 x 1 1/2 | .38 |
| A608146 | MB-S1 | .01 | 1600 | 1/2 x 1 1/2 | .41 |
| A608147 | MB-S15 | .015 | 1600 | 3/8 x 1 1/2 | .41 |
| A608148 | MB-S2 | .02 | 1600 | 3/8 x 1 1/2 | .41 |
| A608149 | MB-S22 | .022 | 1600 | 3/8 x 1 1/2 | .41 |
| A608150 | MB-S3 | .03 | 1600 | 3/8 x 1 1/2 | .41 |
| A608151 | MB-S4 | .04 | 1600 | 3/8 x 1 1/2 | .41 |
| A608152 | TR-15 | .05 | 1600 | 3/4 x 2 1/2 | .41 |
| A608153 | TR-215 | 2 x .015 | 1600 | 3/4 x 2 | .47 |
| A608169 | TVM-356 | .0005 | 6000 | 1/2 x 1 1/2 | .79 |
| A608170 | TVM-216 | .001 | 6000 | 1/2 x 1 1/2 | .79 |
| A608171 | TVM-256 | .005 | 6000 | 3/8 x 1 1/2 | .79 |
| A608172 | TVM-351 | .0005 | 10,000 | 3/8 x 1 1/2 | .88 |
| A608173 | TVM-325 | .00025 | 12,500 | 3/8 x 1 1/2 | 1.00 |



SPRAGUE DIFILM—BLACK BEAUTY MOLDED TUBULARS—Dual dielectric of Mular polyester film and highest grade paper. All units 10% capacitance tolerance from .001 µf up.

| Cat. No. | Sprague | µF | WVDC | Dia. x Length | Net |
|----------|----------|--------|------|---------------|-----|
| A608000 | 2TM-S2 | .02 | 200 | 3/8 x 1 1/2 | .15 |
| A608001 | 2TM-S22 | .022 | 200 | 3/8 x 1 1/2 | .15 |
| A608002 | 2TM-S47 | .047 | 200 | 3/8 x 1 1/2 | .15 |
| A608003 | 2TM-S5 | .05 | 200 | 3/8 x 1 1/2 | .15 |
| A608004 | 2TM-P1 | .1 | 200 | 1/2 x 1 1/2 | .21 |
| A608005 | 2TM-F15 | .15 | 200 | 1/2 x 1 1/2 | .21 |
| A608006 | 2TM-P22 | .22 | 200 | 3/8 x 1 1/2 | .24 |
| A608007 | 2TM-P25 | .25 | 200 | 3/8 x 1 1/2 | .24 |
| A608008 | 2TM-P47 | .47 | 200 | 3/4 x 2 1/2 | .35 |
| A608009 | 2TM-P5 | .5 | 200 | 3/8 x 2 1/2 | .35 |
| A608010 | 2TM-M1 | 1.0 | 200 | 3/4 x 2 1/2 | .35 |
| A608011 | 4TM-S1 | .01 | 400 | 3/8 x 1 1/2 | .15 |
| A608012 | 4TM-S15 | .015 | 400 | 3/8 x 1 1/2 | .15 |
| A608013 | 4TM-S2 | .02 | 400 | 3/8 x 1 1/2 | .15 |
| A608014 | 4TM-S22 | .022 | 400 | 3/8 x 1 1/2 | .18 |
| A608015 | 4TM-S25 | .025 | 400 | 3/8 x 1 1/2 | .18 |
| A608016 | 4TM-S3 | .03 | 400 | 3/8 x 1 1/2 | .18 |
| A608017 | 4TM-S4 | .04 | 400 | 3/8 x 1 1/2 | .18 |
| A608018 | 4TM-S47 | .047 | 400 | 3/8 x 1 1/2 | .18 |
| A608082 | 4TM-S5 | .05 | 400 | 3/8 x 1 1/2 | .18 |
| A608019 | 4TM-S68 | .068 | 400 | 3/8 x 1 1/2 | .21 |
| A608020 | 4TM-F1 | .1 | 400 | 1/2 x 1 1/2 | .21 |
| A608021 | 4TM-P15 | .15 | 400 | 3/8 x 1 1/2 | .24 |
| A608022 | 4TM-P2 | .2 | 400 | 3/8 x 1 1/2 | .24 |
| A608023 | 4TM-P22 | .22 | 400 | 3/8 x 1 1/2 | .24 |
| A608024 | 4TM-P25 | .25 | 400 | 3/4 x 2 1/2 | .24 |
| A608025 | 4TM-P47 | .47 | 400 | 3/4 x 2 1/2 | .35 |
| A608026 | 4TM-P5 | .5 | 400 | 3/4 x 2 1/2 | .35 |
| A608027 | 4TM-M1 | 1.0 | 400 | 1 x 2 1/2 | .53 |
| A608028 | 6TM-T1 | .0001 | 600 | 3/8 x 1 | .15 |
| A608029 | 6TM-T25 | .00025 | 600 | 3/8 x 1 | .15 |
| A608030 | 6TM-T4 | .0004 | 600 | 3/8 x 1 | .15 |
| A608031 | 6TM-T5 | .0005 | 600 | 3/8 x 1 | .15 |
| A608032 | 6TM-D1 | .001 | 600 | 3/8 x 1 | .15 |
| A608033 | 6TM-D15 | .0015 | 600 | 3/8 x 1 | .15 |
| A608034 | 6TM-D2 | .002 | 600 | 3/8 x 1 | .15 |
| A608035 | 6TM-D22 | .0022 | 600 | 3/8 x 1 | .15 |
| A608036 | 6TM-D25 | .0025 | 600 | 3/8 x 1 | .15 |
| A608037 | 6TM-D3 | .003 | 600 | 3/8 x 1 | .15 |
| A608038 | 6TM-D33 | .0033 | 600 | 3/8 x 1 | .15 |
| A608039 | 6TM-D4 | .004 | 600 | 3/8 x 1 1/2 | .15 |
| A608083 | 6TM-D47 | .0047 | 600 | 3/8 x 1 1/2 | .15 |
| A608040 | 6TM-D5 | .005 | 600 | 3/8 x 1 1/2 | .15 |
| A608041 | 6TM-D6 | .006 | 600 | 3/8 x 1 1/2 | .15 |
| A608042 | 6TM-D68 | .0068 | 600 | 3/8 x 1 1/2 | .18 |
| A608043 | 6TM-D8 | .008 | 600 | 3/8 x 1 1/2 | .18 |
| A608044 | 6TM-S1 | .01 | 600 | 3/8 x 1 1/2 | .18 |
| A608045 | 6TM-S15 | .015 | 600 | 3/8 x 1 1/2 | .18 |
| A608046 | 6TM-S2 | .02 | 600 | 3/8 x 1 1/2 | .18 |
| A608047 | 6TM-S22 | .022 | 600 | 3/8 x 1 1/2 | .18 |
| A608048 | 6TM-S3 | .03 | 600 | 3/8 x 1 1/2 | .21 |
| A608049 | 6TM-S33 | .033 | 600 | 3/8 x 1 1/2 | .21 |
| A608050 | 6TM-S35 | .035 | 600 | 3/8 x 1 1/2 | .21 |
| A608051 | 6TM-S4 | .04 | 600 | 1/2 x 1 1/2 | .21 |
| A608052 | 6TM-S47 | .047 | 600 | 1/2 x 1 1/2 | .24 |
| A608053 | 6TM-S5 | .05 | 600 | 1/2 x 1 1/2 | .24 |
| A608084 | 6TM-S6 | .06 | 600 | 1/2 x 1 1/2 | .24 |
| A608054 | 6TM-S68 | .068 | 600 | 1/2 x 1 1/2 | .26 |
| A608055 | 6TM-P1 | .1 | 600 | 3/8 x 1 1/2 | .26 |
| A608056 | 6TM-P15 | .15 | 600 | 3/8 x 1 1/2 | .29 |
| A608057 | 6TM-P2 | .2 | 600 | 3/4 x 2 1/2 | .32 |
| A608058 | 6TM-P22 | .22 | 600 | 3/4 x 2 1/2 | .32 |
| A608059 | 6TM-P25 | .25 | 600 | 3/4 x 2 1/2 | .32 |
| A608060 | 6TM-P5 | .5 | 600 | 1 x 2 1/2 | .47 |
| A608061 | 6TM-M1 | 1.0 | 600 | 1 x 2 1/2 | .73 |
| A608062 | 10TM-T5 | .0005 | 1000 | 3/8 x 1 | .29 |
| A608063 | 10TM-D1 | .001 | 1000 | 3/8 x 1 | .29 |
| A608064 | 10TM-D15 | .0015 | 1000 | 3/8 x 1 | .29 |
| A608065 | 10TM-D2 | .002 | 1000 | 3/8 x 1 1/2 | .29 |
| A608066 | 10TM-D22 | .0022 | 1000 | 3/8 x 1 1/2 | .29 |
| A608067 | 10TM-D3 | .003 | 1000 | 3/8 x 1 1/2 | .29 |
| A608068 | 10TM-D4 | .004 | 1000 | 3/8 x 1 1/2 | .29 |
| A608069 | 10TM-D47 | .0047 | 1000 | 3/8 x 1 1/2 | .29 |
| A608070 | 10TM-D5 | .005 | 1000 | 3/8 x 1 1/2 | .29 |
| A608071 | 10TM-D68 | .0068 | 1000 | 3/8 x 1 1/2 | .29 |



HYPASS® CAPACITORS—These 3-terminal network feed-thru capacitors bypass V-H-F currents where ordinary capacitors are ineffective. They suppress TVI from short-wave transmitters, diathermy, electronic heating apparatus, etc. They also eliminate interference caused by line-conducted radiation between neighboring TV sets. Install leads in series with circuit being filtered and ground the case.

| Cat. No. | µF | Amps | WVDC | Net |
|----------|------|------|-----------|------|
| A608207* | .5 | 40 | 50 | 2.21 |
| A608208* | .1 | 20 | 250 (VAC) | 1.52 |
| A608209* | .1 | 20 | 600 | 1.52 |
| A608215 | .002 | 15 | 600 | 1.26 |
| A608216 | .005 | 15 | 600 | 1.26 |
| A608222 | .01 | 20 | 600 | 1.38 |
| A608223† | .1 | 20 | 600 | 1.73 |
| A608224 | .005 | 20 | 1000 | 1.41 |
| A608225 | .01 | 20 | 1000 | 1.52 |
| A608226 | .005 | 20 | 2500 | 1.70 |
| A608227 | .01 | 20 | 2500 | 1.82 |
| A608228 | .002 | 20 | 5000 | 1.88 |

*Female screw terminals. †Bulkhead mtg.

D **SPRAGUE TYPE "TE" ULTRA-SMALL ELECTROLYTICS**—These electrolytics are all welded construction, no pressure joints to cause "open" or intermittent circuits. Furnished with clear plastic outer insulating sleeves.

| Cat. No. | Type | µF | WVDC | Dia. x Length | Net |
|----------|-----------|-----|------|---------------|------|
| A628217 | TE-1066 | 250 | 3 | 3/8 x 1 1/2 | .99 |
| A628218 | TE-1067 | 400 | 3 | 3/8 x 1 1/2 | 1.02 |
| A628219 | TE-1068 | 500 | 3 | 3/8 x 1 1/2 | 1.05 |
| A628229 | TE-1092 | 30 | 6 | 3/4 x 1 1/2 | .84 |
| A628230 | TE-1093 | 35 | 6 | 3/4 x 1 1/2 | .84 |
| A628231 | TE-1095 | 40 | 6 | 3/8 x 1 1/2 | .84 |
| A628232 | TE-1100 | 50 | 6 | 3/8 x 1 1/2 | .84 |
| A628233 | TE-1101 | 60 | 6 | 3/8 x 1 1/2 | .84 |
| A628234 | TE-1101.5 | 75 | 6 | 3/8 x 1 1/2 | .87 |
| A628178 | TE-1102 | 100 | 6 | 3/8 x 1 1/2 | .90 |
| A628235 | TE-1103 | 150 | 6 | 3/8 x 1 1/2 | .93 |
| A628177 | TE-1105 | 250 | 6 | 3/8 x 1 1/2 | 1.02 |
| A628236 | TE-1106 | 300 | 6 | 3/8 x 1 1/2 | 1.08 |
| A628250 | TE-1131 | 25 | 12 | 3/4 x 1 1/2 | .84 |
| A628251 | TE-1132 | 35 | 12 | 3/4 x 1 1/2 | .87 |
| A628254 | TE-1135 | 100 | 12 | 3/8 x 1 1/2 | 1.05 |
| A628256 | TE-1137 | 200 | 12 | 3/8 x 1 1/2 | 1.23 |
| A628257 | TE-1138 | 250 | 12 | 3/8 x 1 1/2 | 1.32 |
| A628184 | TE-1158 | 30 | 15 | 3/8 x 1 1/2 | .90 |
| A628270 | TE-1159 | 35 | 15 | 3/8 x 1 1/2 | .93 |
| A628271 | TE-1160 | 50 | 15 | 3/8 x 1 1/2 | .96 |
| A628272 | TE-1161 | 75 | 15 | 3/8 x 1 1/2 | 1.02 |
| A628273 | TE-1162 | 100 | 15 | 3/8 x 1 1/2 | 1.08 |
| A628274 | TE-1163 | 150 | 15 | 3/8 x 1 1/2 | 1.17 |
| A628275 | TE-1164 | 200 | 15 | 3/8 x 1 1/2 | 1.26 |
| A628280 | TE-1203 | 6 | 25 | 3/4 x 1 1/2 | .84 |
| A628281 | TE-1203.5 | 8 | 25 | 3/4 x 1 1/2 | .87 |
| A628285 | TE-1209 | 50 | 25 | 3/8 x 1 1/2 | 1.08 |
| A628286 | TE-1210 | 75 | 25 | 3/8 x 1 1/2 | 1.17 |
| A628188 | TE-1211 | 100 | 25 | 3/8 x 1 1/2 | 1.26 |
| A628287 | TE-1300 | 1 | 50 | 3/8 x 1 1/2 | .78 |
| A628288 | TE-1301 | 2 | 50 | 3/8 x 1 1/2 | .81 |
| A628289 | TE-1302 | 3 | 50 | 3/8 x 1 1/2 | .81 |
| A628290 | TE-1302.1 | 4 | 50 | 3/8 x 1 1/2 | .81 |
| A628189 | TE-1303 | 5 | 50 | 3/8 x 1 1/2 | .87 |
| A628558 | TE-1303.1 | 6 | 50 | 3/8 x 1 1/2 | .90 |
| A628291 | TE-1303.3 | 8 | 50 | 3/8 x 1 1/2 | .90 |
| A628190 | TE-1304 | 10 | 50 | 3/8 x 1 1/2 | .90 |
| A628292 | TE-1304.2 | 15 | 50 | 3/8 x 1 1/2 | .90 |
| A628191 | TE-1305 | 20 | 50 | 3/8 x 1 1/2 | .90 |
| A628293 | TE-1306 | 35 | 50 | 3/8 x 1 1/2 | 1.02 |
| A628192 | TE-1307 | 50 | 50 | 3/8 x 1 1/2 | 1.11 |
| A628299 | TE-1405 | 6 | 100 | 3/8 x 1 1/2 | .90 |
| A628300 | TE-1406 | 8 | 100 | 3/8 x 1 1/2 | .93 |
| A628193 | TE-1407 | 10 | 100 | 3/8 x 1 1/2 | .93 |
| A628301 | TE-1408 | 15 | 100 | 3/8 x 1 1/2 | .93 |
| A628194 | TE-1409 | 20 | 100 | 3/8 x 1 1/2 | .96 |
| A628195 | TE-1500 | 1 | 150 | 3/8 x 1 1/2 | .84 |



TWIST-LOK® Capacitors

Top Quality — for T. V. Replacement

Especially designed for tough TV and radio replacement applications. Hermetically sealed in aluminum cans for long life and dependable service. Will stand up under EXTREMELY HIGH temperatures and HIGH SURGE VOLTAGES as well as in High Ripple Selenium Rectifier Circuits. Easy to mount . . . just a twist of the tabs locks unit firmly in place. Designed for 85°C (185°F) operation. Furnished complete with Bakelite and Metal Mounting Plates.



SINGLE UNITS

| Cat. No. | Sprague | µF | WVDC | Size Code | Net |
|----------|----------|------|------|-----------|------|
| A618554 | TVL-1165 | 1000 | 15 | G | 1.49 |
| A618555 | TVL-1168 | 2000 | 15 | D | 2.02 |
| A618556 | TVL-1170 | 2000 | 15 | L | 2.05 |
| A618557 | TVL-1173 | 4000 | 15 | P | 2.20 |
| A618559 | TVL-1220 | 500 | 25 | C | 1.49 |
| A618560 | TVL-1230 | 1000 | 25 | D | 2.08 |
| A618561 | TVL-1317 | 100 | 50 | B | .97 |
| A618563 | TVL-1330 | 500 | 50 | H | 1.55 |
| A618564 | TVL-1338 | 1000 | 50 | S | 2.20 |
| A618565 | TVL-1341 | 1500 | 50 | S | 2.26 |
| A618567 | TVL-1415 | 50 | 150 | C | .97 |
| A618568 | TVL-1420 | 80 | 150 | O | 1.09 |
| A618569 | TVL-1423 | 100 | 150 | O | 1.18 |
| A618613 | TVL-1425 | 120 | 150 | C | 1.26 |
| A618614 | TVL-1426 | 120 | 150 | H | 1.26 |
| A618615 | TVL-1428 | 140 | 150 | K | 1.26 |
| A618570 | TVL-1429 | 150 | 150 | L | 1.26 |
| A618501 | TVL-1430 | 150 | 150 | L | 1.26 |
| A618571 | TVL-1431 | 200 | 150 | P | 1.44 |
| A618572 | TVL-1434 | 300 | 150 | S | 1.64 |
| A618616 | TVL-1473 | 160 | 200 | L | 1.85 |
| A618573 | TVL-1509 | 20 | 250 | N | .94 |
| A618574 | TVL-1519 | 40 | 250 | C | 1.06 |
| A618575 | TVL-1535 | 100 | 250 | S | 1.58 |
| A618617 | TVL-1540 | 150 | 250 | H | 1.82 |
| A618576 | TVL-1547 | 200 | 250 | P | 2.14 |
| A618618 | TVL-1573 | 80 | 300 | N | 1.49 |
| A618619 | TVL-1578 | 100 | 300 | R | 1.70 |
| A618620 | TVL-1580 | 125 | 300 | P | 2.05 |
| A618621 | TVL-1584 | 150 | 300 | P | 2.05 |
| A618622 | TVL-1590 | 250 | 300 | S | 3.26 |
| A618627 | TVL-1630 | 80 | 350 | D | 1.67 |
| A618628 | TVL-1638 | 125 | 350 | F | 2.32 |
| A618629 | TVL-1642 | 150 | 350 | S | 2.32 |
| A618577 | TVL-1705 | 10 | 450 | C | .91 |
| A618579 | TVL-1714 | 20 | 450 | C | 1.06 |
| A618580 | TVL-1720 | 30 | 450 | L | 1.15 |
| A618581 | TVL-1725 | 40 | 450 | O | 1.21 |
| A618582 | TVL-1728 | 50 | 450 | O | 1.38 |
| A618584 | TVL-1735 | 80 | 450 | K | 1.79 |
| A618585 | TVL-1750 | 100 | 450 | L | 2.02 |
| A618586 | TVL-1760 | 125 | 450 | S | 2.26 |
| A618630 | TVL-1820 | 40 | 475 | C | 1.46 |
| A618631 | TVL-1940 | 10 | 500 | D | 1.00 |
| A618632 | TVL-1943 | 20 | 500 | O | 1.09 |
| A618633 | TVL-1947 | 30 | 500 | C | 1.18 |
| A618634 | TVL-1950 | 40 | 500 | N | 1.46 |
| A618635 | TVL-1958 | 80 | 500 | L | 1.88 |
| A618636 | TVL-1960 | 90 | 500 | P | 2.07 |

TRIPLE UNITS

| Cat. No. | Sprague | µF | WVDC | Size Code | Net |
|----------|------------|------------|-------------|-----------|------|
| A618721 | TVL-3426 | 40-40-20 | 150-150-25 | C | 1.41 |
| A618722 | TVL-3426.3 | 40-40-200 | 150-150-25 | K | 1.64 |
| A618723 | TVL-3426.4 | 40-40-250 | 150-150-25 | K | 1.85 |
| A618725 | TVL-3427 | 50-30-100 | 150-150-25 | K | 1.58 |
| A618726 | TVL-3430 | 50-50-20 | 150-150-25 | K | 1.35 |
| A618727 | TVL-3432 | 80-40-25 | 150-150-25 | O | 1.64 |
| A618731 | TVL-3437 | 40-20-20 | 150-150-150 | O | 1.41 |
| A618732 | TVL-3438 | 40-30-20 | 150-150-150 | C | 1.46 |
| A618733 | TVL-3440 | 40-40-40 | 150-150-150 | N | 1.52 |
| A618735 | TVL-3442 | 50-50-50 | 150-150-150 | K | 1.76 |
| A618736 | TVL-3443 | 60-40-20 | 150-150-150 | K | 1.61 |
| A618740 | TVL-3444 | 80-40-20 | 150-150-150 | K | 2.38 |
| A618743 | TVL-3450 | 200-100-60 | 150-150-150 | P | 2.67 |
| A618745 | TVL-3461.4 | 60-200-140 | 200-150-150 | S | 2.82 |
| A618767 | TVL-3585 | 120-50-40 | 300-300-300 | S | 3.43 |
| A618511 | TVL-3620 | 30-30-20 | 350-350-25 | K | 1.85 |
| A618512 | TVL-3630 | 15-10-20 | 350-350-25 | G | 1.37 |
| A618771 | TVL-3634 | 20-10-20 | 350-350-25 | C | 1.49 |
| A618772 | TVL-3635 | 20-20-20 | 350-350-25 | C | 1.70 |
| A618773 | TVL-3636 | 30-20-20 | 350-350-25 | C | 1.82 |
| A618781 | TVL-3639.2 | 100-60-20 | 350-350-300 | S | 3.23 |
| A618783 | TVL-3639.8 | 30-20-10 | 350-350-350 | G | 1.91 |
| A618784 | TVL-3640 | 60-40-20 | 350-350-350 | S | 2.49 |
| A618786 | TVL-3642 | 80-60-60 | 350-350-350 | S | 3.26 |
| A618789 | TVL-3678 | 20-70-20 | 400-400-25 | K | 1.67 |
| A618791 | TVL-3685 | 100-10-20 | 400-400-50 | P | 2.64 |
| A618793 | TVL-3688 | 60-30-20 | 400-400-350 | L | 2.67 |
| A618795 | TVL-3689.3 | 100-10-80 | 400-400-350 | S | 3.58 |
| A618805 | TVL-3713.7 | 10-40-10 | 450-300-150 | D | 1.82 |
| A618813 | TVL-3731 | 10-10-20 | 450-450-25 | C | 1.41 |
| A618816 | TVL-3739 | 20-20-20 | 450-450-25 | K | 1.79 |
| A618831 | TVL-3757 | 80-20-100 | 450-450-50 | S | 2.82 |
| A618836 | TVL-3764 | 40-40-100 | 450-450-200 | S | 3.26 |
| A618838 | TVL-3776 | 10-10-10 | 450-450-450 | K | 1.52 |
| A618839 | TVL-3778.2 | 15-15-15 | 450-450-450 | K | 1.82 |
| A618840 | TVL-3779 | 20-10-10 | 450-450-450 | K | 1.70 |
| A618515 | TVL-3780 | 20-20-20 | 450-450-450 | H | 2.12 |
| A618843 | TVL-3782 | 30-30-30 | 450-450-450 | P | 2.55 |
| A618845 | TVL-3784 | 40-30-20 | 450-450-450 | L | 2.50 |
| A618846 | TVL-3785 | 40-40-10 | 450-450-450 | H | 2.44 |
| A618604 | TVL-3786 | 40-40-20 | 450-450-450 | L | 2.61 |
| A618605 | TVL-3787 | 40-40-40 | 450-450-450 | P | 2.88 |
| A618848 | TVL-3789 | 60-20-20 | 450-450-450 | L | 2.88 |
| A618606 | TVL-3791 | 60-40-20 | 450-450-450 | P | 2.93 |
| A618607 | TVL-3793 | 80-40-20 | 450-450-450 | S | 3.17 |
| A618854 | TVL-3816 | 40-80-10 | 475-450-450 | S | 3.23 |
| A618860 | TVL-3843 | 40-30-30 | 475-475-475 | S | 3.02 |
| A618864 | TVL-3952 | 10-10-10 | 500-500-500 | K | 1.58 |

DUAL UNITS

| Cat. No. | Sprague | µF | WVDC | Size Code | Net |
|----------|------------|-----------|---------|-----------|------|
| A618638 | TVL-2160 | 1000-1000 | 15-15 | N | 2.60 |
| A618639 | TVL-2161 | 1000-1000 | 15-15 | H | 2.60 |
| A618589 | TVL-2415 | 20-20 | 150-150 | L | 1.00 |
| A618590 | TVL-2422 | 30-30 | 150-150 | L | 1.09 |
| A618591 | TVL-2425 | 40-20 | 150-150 | C | 1.09 |
| A618592 | TVL-2428 | 40-40 | 150-150 | L | 1.12 |
| A618593 | TVL-2432 | 50-30 | 150-150 | C | 1.18 |
| A618594 | TVL-2435 | 50-50 | 150-150 | L | 1.26 |
| A618645 | TVL-2439 | 70-30 | 150-150 | C | 1.29 |
| A618595 | TVL-2442 | 80-40 | 150-150 | H | 1.35 |
| A618596 | TVL-2442.1 | 80-50 | 150-150 | L | 1.41 |
| A618650 | TVL-2444 | 200-5 | 150-150 | L | 1.48 |
| A618598 | TVL-2515 | 20-20 | 250-250 | L | 1.12 |
| A618599 | TVL-2520 | 40-40 | 250-250 | C | 1.46 |
| A618660 | TVL-2535 | 150-150 | 250-250 | S | 3.02 |
| A618657 | TVL-2538 | 200-200 | 250-250 | S | 3.84 |
| A618661 | TVL-2585 | 80-80 | 300-300 | L | 2.38 |
| A618665 | TVL-2628 | 30-30 | 350-350 | K | 1.71 |
| A618669 | TVL-2634 | 80-40 | 350-350 | L | 2.41 |
| A618670 | TVL-2635 | 80-80 | 350-350 | S | 2.76 |
| A618672 | TVL-2639 | 100-60 | 350-350 | P | 2.82 |
| A618673 | TVL-2641 | 100-100 | 350-350 | S | 3.61 |
| A618676 | TVL-2655 | 100-30 | 400-50 | L | 2.29 |
| A618677 | TVL-2656 | 80-80 | 400-200 | P | 2.31 |
| A618678 | TVL-2677 | 80-60 | 400-400 | L | 2.76 |
| A618679 | TVL-2679 | 120-40 | 400-400 | S | 3.06 |
| A618684 | TVL-2711 | 80-100 | 450-50 | L | 2.20 |
| A618602 | TVL-2750 | 10-10 | 450-450 | L | 1.12 |
| A618609 | TVL-2753 | 15-15 | 450-450 | C | 1.32 |
| A618601 | TVL-2755 | 20-20 | 450-450 | K | 1.49 |
| A618691 | TVL-2757 | 30-10 | 450-450 | K | 1.49 |
| A618692 | TVL-2759 | 30-30 | 450-450 | H | 1.79 |
| A618693 | TVL-2762 | 40-20 | 450-450 | H | 1.91 |
| A618603 | TVL-2764 | 40-40 | 450-450 | L | 2.02 |
| A618694 | TVL-2767 | 50-50 | 450-450 | L | 2.26 |
| A618696 | TVL-2770 | 80-40 | 450-450 | F | 2.32 |
| A618697 | TVL-2776 | 80-10 | 450-450 | L | 2.65 |
| A618698 | TVL-2776.5 | 80-20 | 450-450 | L | 2.46 |
| A618699 | TVL-2777 | 80-30 | 450-450 | S | 2.96 |
| A618700 | TVL-2778 | 80-40 | 450-450 | P | 2.96 |
| A618701 | TVL-2780 | 100-40 | 450-450 | S | 2.85 |
| A618706 | TVL-2581 | 80-50 | 475-475 | S | 3.05 |
| A618708 | TVL-2935 | 20-20 | 500-500 | H | 1.67 |
| A618711 | TVL-2940 | 40-40 | 500-500 | L | 2.52 |
| A618712 | TVL-2944 | 60-40 | 500-500 | P | 2.70 |

QUADRUPLE UNITS

| Cat. No. | Sprague | µF | WVDC | Size Code | Net |
|----------|------------|---------------|-----------------|-----------|------|
| A618872 | TVL-4414 | 60-40-20-200 | 150-150-150-10 | D | 2.61 |
| A618875 | TVL-4420 | 40-40-30-20 | 150-150-150-25 | D | 1.82 |
| A618873 | TVL-4415 | 30-30-30-40 | 150-150-150-25 | D | 1.82 |
| A618889 | TVL-4559 | 10-200-140-30 | 300-150-150-150 | P | 2.99 |
| A618893 | TVL-4561 | 100-10-200-30 | 300-300-150-150 | S | 3.46 |
| A618899 | TVL-4578 | 40-20-10-10 | 300-300-300-300 | D | 2.30 |
| A618907 | TVL-4609 | 60-40-40-20 | 350-350-200-150 | P | 2.96 |
| A618912 | TVL-4622 | 40-40-30-10 | 350-350-350-25 | L | 2.91 |
| A618914 | TVL-4625 | 90-30-5-100 | 350-350-350-75 | P | 3.88 |
| A618917 | TVL-4631 | 70-40-10-50 | 350-350-350-50 | L | 3.08 |
| A618923 | TVL-4635.1 | 40-40-40-40 | 350-350-350-350 | S | 3.52 |
| A618924 | TVL-4635.7 | 80-60-40-20 | 350-350-350-350 | S | 3.76 |
| A618928 | TVL-4654 | 40-80-100-25 | 400-350-200-50 | F | 3.49 |
| A618930 | TVL-4663.5 | 100-10-30-20 | 400-400-50-50 | P | 2.99 |
| A618933 | TVL-4669 | 80-40-10-20 | 400-400-400-25 | S | 3.11 |
| A618934 | TVL-4670 | 80-40-30-40 | 400-400-400-25 | S | 3.49 |
| A618935 | TVL-4672 | 80-40-30-4 | 400-400-400-350 | S | 3.46 |
| A618947 | TVL-4711 | 20-80-50-100 | 450-350-350-50 | S | 5.11 |
| A618954 | TVL-4720 | 40-40-30-30 | 450-450-350-350 | S | 3.46 |
| A618957 | TVL-4724.2 | 20-20-20-20 | 450-450-450-25 | H | 2.44 |
| A618526 | TVL-4734 | 40-30-10-20 | 450-450-450-25 | F | 2.65 |
| A618962 | TVL-4736 | 40-40-10-20 | 450-450-450-25 | P | 2.76 |
| A618964 | TVL-4739 | 40-40-40-40 | 450-450-450-25 | L | 3.23 |
| A618967 | TVL-4739.6 | 80-40-40-40 | 450-450-450-25 | S | 3.79 |
| A618974 | TVL-4747 | 40-40-10-100 | 450-450-450-100 | P | 3.26 |
| A618608 | TVL-4760 | 10-10-10-10 | 450-450-450-450 | D | 1.96 |
| A618609 | TVL-4763 | 20-20-20-20 | 450-450-450-450 | L | 2.76 |
| A618982 | TVL-4771 | 35-35-10-5 | 450-450-450-450 | P | 2.70 |
| A618610 | TVL-4773 | 40-40-20-20 | 450-450-450-450 | S | 3.26 |
| A618611 | TVL-4774 | 40-40-30-30 | 450-450 | | |



TVA Atom® Electrolytics

(A) Here it is! The **SMALLEST DEPENDABLE DRY ELECTROLYTIC!** The **ONLY** small size capacitor designed for 85°C (185°F) operation in voltages to 450 WVDC. Whether for AC-DC sets, auto radios, home radio-phonos combinations or TV sets, the Sprague line will handle **ALL YOUR REPLACE-**

MENT REQUIREMENTS . . . with no dual inventory problems. Small enough to fit anywhere, this Dry Electrolytic will withstand High Temperatures, High Ripple Currents, High Surge Voltages. Gives Long Life and Low Leakage. Metal case construction with outer insulating tube.

| Cat. No. | µf | WVDC | Dia. x Length | Net |
|----------|------|------|---------------|------|
| A608291 | 50 | 6 | 3/8 x 1 1/4 | .55 |
| A608296 | 100 | 6 | 1/2 x 1 1/4 | .70 |
| A608297 | 250 | 6 | 3/4 x 1 1/4 | .89 |
| A608298 | 500 | 6 | 3/4 x 2 1/4 | .91 |
| A608299 | 1000 | 6 | 1 1/4 x 2 1/4 | 1.12 |
| A608295 | 1500 | 6 | 1 1/4 x 2 1/4 | 1.23 |
| A608294 | 2000 | 6 | 1 1/4 x 2 1/4 | 1.35 |
| A608300 | 100 | 12 | 3/4 x 1 1/4 | .71 |
| A608301 | 250 | 12 | 3/4 x 1 1/4 | .85 |
| A608302 | 500 | 12 | 3/4 x 1 1/4 | 1.00 |
| A608293 | 1000 | 12 | 1 1/4 x 2 1/4 | 1.32 |
| A608303 | 100 | 15 | 3/4 x 1 1/4 | .73 |
| A608304 | 250 | 15 | 3/4 x 1 1/4 | .91 |
| A608305 | 500 | 15 | 3/4 x 2 1/4 | 1.03 |
| A608292 | 1000 | 15 | 3/4 x 2 1/4 | 1.35 |
| A608500 | 2 | 25 | 3/8 x 1 1/4 | .53 |
| A608501 | 5 | 25 | 3/8 x 1 1/4 | .59 |
| A608306 | 10 | 25 | 3/8 x 1 1/4 | .59 |
| A608307 | 25 | 25 | 3/8 x 1 1/4 | .59 |
| A608308 | 50 | 25 | 3/8 x 1 1/4 | .65 |
| A608309 | 100 | 25 | 3/8 x 1 1/4 | .79 |
| A608310 | 250 | 25 | 3/8 x 1 1/4 | 1.00 |
| A608311 | 500 | 25 | 3/8 x 2 1/4 | 1.35 |
| A608502 | 1 | 50 | 3/8 x 1 1/4 | .53 |
| A608503 | 2 | 50 | 3/8 x 1 1/4 | .53 |
| A608312 | 5 | 50 | 3/8 x 1 1/4 | .59 |
| A608313 | 10 | 50 | 3/8 x 1 1/4 | .59 |
| A608504 | 20 | 50 | 3/8 x 1 1/4 | .59 |
| A608314 | 25 | 50 | 3/8 x 1 1/4 | .62 |
| A608315 | 50 | 50 | 3/8 x 1 1/4 | .71 |
| A608316 | 100 | 50 | 3/8 x 1 1/4 | .82 |
| A608317 | 150 | 50 | 3/8 x 1 1/4 | .91 |
| A608505 | 250 | 50 | 3/8 x 1 1/4 | 1.03 |
| A608506 | 500 | 50 | 1 x 1 1/4 | .59 |
| A608318 | 4 | 150 | 3/8 x 1 1/4 | .59 |
| A608507 | 5 | 150 | 3/8 x 1 1/4 | .59 |
| A608319 | 8 | 150 | 3/8 x 1 1/4 | .62 |
| A608320 | 10 | 150 | 3/8 x 1 1/4 | .62 |
| A608321 | 12 | 150 | 3/8 x 1 1/4 | .65 |
| A608322 | 16 | 150 | 3/8 x 1 1/4 | .68 |
| A608323 | 20 | 150 | 3/8 x 1 1/4 | .71 |
| A608508 | 25 | 150 | 3/8 x 1 1/4 | .74 |
| A608324 | 30 | 150 | 3/8 x 1 1/4 | .76 |
| A608325 | 40 | 150 | 3/8 x 1 1/4 | .79 |
| A608326 | 50 | 150 | 3/8 x 1 1/4 | .82 |
| A608509 | 60 | 150 | 3/8 x 1 1/4 | .88 |
| A608327 | 80 | 150 | 3/8 x 1 1/4 | .94 |
| A608328 | 100 | 150 | 3/8 x 2 1/4 | 1.03 |
| A608329 | 150 | 150 | 1 x 2 1/4 | 1.12 |
| A608510 | 200 | 150 | 1 1/4 x 3 1/4 | 1.29 |
| A608511 | 300 | 150 | 1 1/2 x 3 1/4 | 1.50 |
| A608512 | 200 | 200 | 1 1/2 x 3 1/4 | 1.71 |

| Cat. No. | µf | WVDC | Dia. x Length | Net |
|----------|-----|------|---------------|------|
| A608330 | 4 | 250 | 3/8 x 1 1/4 | .59 |
| A608331 | 8 | 250 | 3/8 x 1 1/4 | .68 |
| A608332 | 10 | 250 | 3/8 x 1 1/4 | .71 |
| A608333 | 12 | 250 | 3/8 x 1 1/4 | .74 |
| A608334 | 16 | 250 | 3/8 x 1 1/4 | .76 |
| A608335 | 20 | 250 | 3/8 x 1 1/4 | .79 |
| A608513 | 30 | 250 | 3/8 x 2 1/4 | .85 |
| A608336 | 40 | 250 | 3/8 x 2 1/4 | .91 |
| A608514 | 50 | 250 | 3/8 x 2 1/4 | 1.00 |
| A608334 | 60 | 250 | 3/8 x 2 1/4 | 1.06 |
| A608516 | 140 | 300 | 1 1/4 x 3 1/4 | 1.85 |
| A608337 | 4 | 350 | 3/8 x 1 1/4 | .62 |
| A608338 | 8 | 350 | 3/8 x 1 1/4 | .71 |
| A608339 | 10 | 350 | 3/8 x 1 1/4 | .73 |
| A608340 | 12 | 350 | 3/8 x 1 1/4 | .76 |
| A608341 | 16 | 350 | 3/8 x 1 1/4 | .82 |
| A608517 | 20 | 350 | 3/8 x 1 1/4 | .85 |
| A608518 | 30 | 350 | 3/8 x 2 1/4 | .97 |
| A608519 | 40 | 350 | 3/8 x 2 1/4 | 1.03 |
| A608520 | 60 | 350 | 1 x 2 1/4 | 1.15 |
| A608521 | 1 | 450 | 3/8 x 1 1/4 | .63 |
| A608342 | 2 | 450 | 3/8 x 1 1/4 | .65 |
| A608343 | 4 | 450 | 3/8 x 1 1/4 | .68 |
| A608344 | 8 | 450 | 3/8 x 1 1/4 | .73 |
| A608345 | 10 | 450 | 3/8 x 1 1/4 | .76 |
| A608346 | 12 | 450 | 3/8 x 1 1/4 | .79 |
| A608382 | 16 | 450 | 3/8 x 2 1/4 | .82 |
| A608347 | 20 | 450 | 3/8 x 2 1/4 | .91 |
| A608349 | 30 | 450 | 3/8 x 2 1/4 | 1.00 |
| A608350 | 40 | 450 | 3/8 x 2 1/4 | 1.06 |
| A608351 | 50 | 450 | 3/8 x 3 1/4 | 1.23 |
| A608352 | 60 | 450 | 1 x 3 1/4 | 1.38 |
| A608522 | 80 | 450 | 1 x 3 1/4 | 1.65 |
| A608523 | 100 | 450 | 1 1/4 x 4 1/4 | 1.88 |
| A608524 | 10 | 475 | 3/8 x 1 1/4 | .89 |
| A608525 | 20 | 475 | 3/8 x 2 1/4 | .94 |
| A608353 | 8 | 500 | 3/8 x 1 1/4 | .76 |
| A608526 | 10 | 500 | 3/8 x 1 1/4 | .79 |
| A608354 | 16 | 500 | 3/8 x 2 1/4 | .88 |
| A608355 | 20 | 500 | 1 x 2 1/4 | .94 |
| A608356 | 8 | 600 | 1 x 3 1/4 | 1.23 |
| A608357 | 10 | 600 | 1 x 3 1/4 | 1.29 |
| A608358 | 16 | 600 | 4 x 1 1/4 | 1.49 |
| A608359 | 20 | 600 | 1 x 4 1/4 | 1.58 |

DUAL UNITS

| | | | | |
|---------|-------|---------|-------------|------|
| A608360 | 10-10 | 25-25 | 3/8 x 1 1/4 | .82 |
| A608361 | 10-10 | 50-50 | 3/8 x 1 1/4 | .82 |
| A608362 | 8-8 | 150-150 | 3/8 x 1 1/4 | .88 |
| A608363 | 16-16 | 150-150 | 3/8 x 1 1/4 | 1.06 |
| A608527 | 20-12 | 150-150 | 3/8 x 1 1/4 | .94 |
| A608364 | 20-20 | 150-150 | 3/8 x 1 1/4 | .97 |

| Cat. No. | µf | WVDC | Dia. x Length | Net |
|----------|---------|---------|---------------|------|
| A608528 | 30-20 | 150-150 | 3/8 x 1 1/4 | 1.00 |
| A608365 | 30-30 | 150-150 | 3/8 x 1 1/4 | 1.06 |
| A608366 | 40-20 | 150-150 | 3/8 x 1 1/4 | 1.03 |
| A608367 | 40-30 | 150-150 | 3/8 x 1 1/4 | 1.06 |
| A608368 | 40-40 | 150-150 | 3/8 x 1 1/4 | 1.09 |
| A608369 | 50-30 | 150-150 | 3/8 x 1 1/4 | 1.15 |
| A608370 | 50-50 | 150-150 | 3/8 x 2 1/4 | 1.23 |
| A608529 | 80-30 | 150-150 | 3/8 x 2 1/4 | 1.29 |
| A608530 | 80-40 | 150-150 | 3/8 x 2 1/4 | 1.29 |
| A608531 | 80-50 | 150-150 | 3/8 x 2 1/4 | 1.38 |
| A608371 | 100-100 | 150-150 | 1 1/4 x 3 1/4 | 1.88 |
| A608532 | 200-5 | 150-150 | 1 x 3 1/4 | 1.56 |
| A608533 | 20-20 | 250-250 | 3/8 x 2 1/4 | 1.09 |
| A608534 | 40-10 | 250-250 | 3/8 x 2 1/4 | 1.21 |
| A608535 | 80-10 | 250-250 | 3/8 x 3 1/4 | 1.60 |
| A608536 | 120-80 | 250-250 | 1 1/4 x 3 1/4 | 2.35 |
| A608537 | 140-5 | 350-350 | 1 1/4 x 3 1/4 | 2.44 |
| A608538 | 80-100 | 450-450 | 3/8 x 4 1/4 | 2.18 |
| A608372 | 8-8 | 450-450 | 3/8 x 1 1/4 | 1.00 |
| A608373 | 10-10 | 450-450 | 3/8 x 1 1/4 | 1.09 |
| A608539 | 16-8 | 450-450 | 3/8 x 2 1/4 | 1.18 |
| A608374 | 20-20 | 450-450 | 3/8 x 2 1/4 | 1.46 |
| A608375 | 30-30 | 450-450 | 1 x 3 1/4 | 1.76 |
| A608376 | 40-40 | 450-450 | 1 x 3 1/4 | 1.99 |
| A608540 | 50-30 | 450-450 | 1 x 3 1/4 | 1.15 |

TRIPLE UNITS

| | | | | |
|---------|-----------|-------------|---------------|------|
| A608383 | 30-30-100 | 150-150-12 | 3/8 x 1 1/4 | 1.35 |
| A608377 | 20-20-20 | 150-150-25 | 3/8 x 1 1/4 | 1.21 |
| A608384 | 40-20-20 | 150-150-25 | 3/8 x 1 1/4 | 1.26 |
| A608378 | 40-30-20 | 150-150-25 | 3/8 x 1 1/4 | 1.29 |
| A608385 | 40-40-20 | 150-150-25 | 3/8 x 2 1/4 | 1.32 |
| A608386 | 40-40-100 | 150-150-25 | 3/8 x 2 1/4 | 1.44 |
| A608379 | 50-30-20 | 150-150-25 | 3/8 x 2 1/4 | 1.38 |
| A608387 | 50-30-100 | 150-150-25 | 3/8 x 2 1/4 | 1.50 |
| A608388 | 50-30-200 | 150-150-25 | 1 x 2 1/4 | 1.62 |
| A608389 | 50-50-20 | 150-150-25 | 1 1/4 x 2 1/4 | 1.47 |
| A608390 | 80-20-100 | 150-150-25 | 1 1/4 x 2 1/4 | 1.62 |
| A608391 | 80-40-20 | 150-150-25 | 1 x 1 1/4 | 1.50 |
| A608380 | 20-20-20 | 150-150-150 | 3/8 x 1 1/4 | 1.29 |
| A608392 | 30-30-30 | 150-150-150 | 3/8 x 2 1/4 | 1.38 |
| A608393 | 40-30-20 | 150-150-150 | 3/8 x 2 1/4 | 1.38 |
| A608381 | 40-40-40 | 150-150-150 | 1 x 2 1/4 | 1.44 |
| A608394 | 50-30-20 | 150-150-150 | 1 x 2 1/4 | 1.44 |
| A608395 | 80-40-20 | 150-150-150 | 1 x 2 1/4 | 1.62 |
| A608396 | 80-10-100 | 300-250-50 | 1 1/4 x 3 1/4 | 2.12 |
| A608397 | 120-40-10 | 300-300-250 | 1 1/4 x 3 1/4 | 2.85 |
| A608398 | 140-5-200 | 350-350-200 | 1 1/2 x 5 1/4 | 3.94 |
| A608399 | 5-80-40 | 450-400-400 | 1 1/2 x 4 1/4 | 2.66 |
| A608541 | 12-12-20 | 450-450-25 | 1 x 1 1/4 | 1.35 |
| A608555 | 20-20-20 | 450-450-25 | 1 x 2 1/4 | 1.71 |
| A608542 | 40-40-20 | 450-450-25 | 1 x 3 1/4 | 2.23 |

SPRAGUE CERAMIC CAPACITOR KITS

(B) CERAMIKIT CERAMIC CAPACITOR KIT—You pay for the capacitors only! Sturdy steel 1 drawer cabinet is **FREE!** Cabinet includes miniature file drawer with printed index cards. Contains 75 Cera-mites, 5 in each of 15 plastic boxes. Includes following µf values: .00001, .000022, .00005, .0001, .00015, .00022, .00047, .0005, .001, .002, .005, .01.

A628509 Sprague CK-3 \$2 Down, Net **11.75**

"UNIVERSAL" CERAMIC CAPACITOR KIT—Kit CK-4 is a Ceramic Capacitor "Department" in itself! Just 4 "Universals" will handle 42 capacitor ratings. No need to go to your distributor's store when you run out of a conventional ceramic, you'll probably be able to find it in this kit. This kit contains 12 "Universals," three of each of the following µf values: .0004 to .0013, .0006 to .0027, .001 to .004, .0025 to .015. Units are mounted on tough bristol card stock which folds at center to protect the capacitors. Printed directly under the units are complete instructions on how to make up desired ratings. This wallet-type kit is 3 1/2" x 8 1/2".

A628510 Sprague CK-4 Net **3.88**

SPRAGUE ELECTROLYTIC CAPACITOR KITS

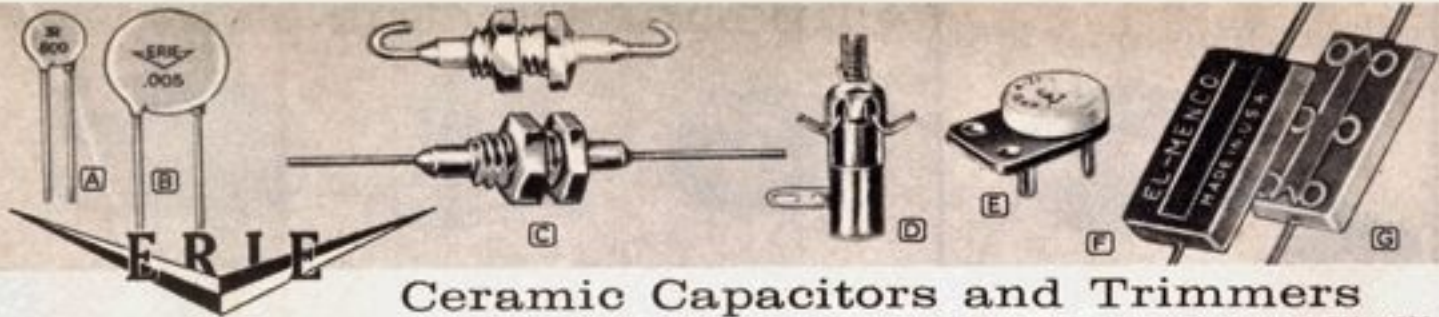
(C) EK-1 ATOM ELECTROLYTIC KIT—Contains 15 Atom Electrolytic Capacitors in the 12 most popular ratings: 1 TVA-1205 @ 25 µf, 25 WVDC; 1 TVA-1303 @ 5 µf, 50 WVDC; 1 TVA-1304 @ 10 µf, 50 WVDC; 1 TVA-1410 @ 20 µf, 150 WVDC; 1 TVA-1704 @ 8 µf, 450 WVDC; 1 TVA-1705 @ 10 µf, 450 WVDC; 2 TVA-1709 @ 20 µf, 450 WVDC; 1 TVA-1711 @ 30 µf, 450 WVDC; 2 TVA-1712 @ 40 µf, 450 WVDC; 1 TVA-1716 @ 80 µf, 450 WVDC; 1 TVA-2450 @ 50+30 µf, 150 WVDC; 1 TVA-2453 @ 50+50 µf, 150 WVDC. **FREE** Handy plastic case!

A628502 Sprague EK-1 \$2 Down, Net **13.74**

SPRAGUE MOLDED TUBULAR KIT—Ideal inventories for your service requirements, the capacitors in these kits are chosen on the basis of use. Come packed in Crystal-Clear Compartmented Plastic Boxes. You'll find many uses for these Handy Boxes . . . but you only pay for the capacitors!

TK-1 BLACK BEAUTY MOLDED TUBULARS—Includes 72-600 WVDC Molded Capacitors with 5-.001 µf, 5-.002 µf, 2-.0047 µf, 8-.005 µf, 15-.01 µf, 8-.02 µf, 2-.03 µf, 5-.047 µf, 12-.05 µf, 8-.1 µf, 2-.25 µf. Ship. wt. 3 lbs.

A628505 TK-1 \$2 Down, Net **14.15**



Ceramic Capacitors and Trimmers

(A) ERIE DISC CERAMICONS: Consists of flat ceramic dielectric with silver fired onto the dielectric. Lead wires soldered to silver electrodes and unit given protective coating of phenolic and wax impregnation. Very efficient at high frequencies. Provide highly dependable performance in transmitters, receivers, amplifiers, test instruments, industrial electronic equipment, etc.

± 10% ED 600 VDCW

| Cat. No. | Erie ED | Cap. $\mu\text{f.}$ | Cat. No. | Erie ED | Cap. $\mu\text{f.}$ |
|----------|---------|---------------------|----------|---------|---------------------|
| A268823 | 5 | 5 | 268846 | 150 | 150 |
| A268824 | 10 | 10 | 268847 | 180 | 180 |
| A268825 | 12 | 12 | 268848 | 200 | 200 |
| A268826 | 15 | 15 | 268849 | 220 | 220 |
| A268827 | 18 | 18 | 268850 | 240 | 240 |
| A268828 | 20 | 20 | 268851 | 250 | 250 |
| A268829 | 22 | 22 | 268852 | 270 | 270 |
| A268830 | 24 | 24 | 268853 | 300 | 300 |
| A268831 | 25 | 25 | 268854 | 330 | 330 |
| A268832 | 27 | 27 | 268855 | 360 | 360 |
| A268833 | 30 | 30 | 268856 | 390 | 390 |
| A268834 | 33 | 33 | 268857 | 470 | 470 |
| A268835 | 39 | 39 | 268858 | 500 | 500 |
| A268836 | 47 | 47 | 268859 | 560 | 560 |
| A268837 | 50 | 50 | 268860 | 680 | 680 |
| A268838 | 51 | 51 | 268861 | 750 | 750 |
| A268839 | 56 | 56 | 268862 | 820 | 820 |
| A268840 | 68 | 68 | 268863 | 910 | 910 |
| A268841 | 75 | 75 | 268864 | 1000 | 1000 |
| A268842 | 82 | 82 | 268865 | 1200 | 1200 |
| A268843 | 91 | 91 | 268866 | 1500 | 1500 |
| A268844 | 100 | 100 | 268867 | 1800 | 1800 |
| A268845 | 120 | 120 | | | |

Net Each **.15**

ERIE Mica Capacitors

(F-G) Molded mica capacitors—New top quality color coded mica capacitors for all low capacitance, high stability requirements. Ideal for use in receivers, transmitters, audio filters, etc. Regular micas ±10% tolerance. Silver micas ±5% for close tolerance circuits. All types rated 500 VDCW.

REGULAR MICA CM-20

| Cat. No. | $\mu\text{f.}$ | Net |
|----------|----------------|------------|
| A658000 | 5 | |
| A658001 | 10 | |
| A658002 | 12 | |
| A658003 | 15 | |
| A658004 | 18 | |
| A658005 | 20 | .18 |
| A658006 | 22 | |
| A658007 | 24 | |
| A658008 | 27 | |
| A658009 | 30 | |
| A658010 | 33 | |
| A658011 | 36 | |
| A658012 | 39 | |
| A658013 | 43 | |
| A658014 | 47 | |
| A658015 | 50 | |
| A658016 | 51 | |
| A658017 | 56 | |
| A658018 | 62 | .12 |
| A658019 | 68 | |
| A658020 | 75 | |
| A658021 | 82 | |
| A658022 | 91 | |
| A658023 | 100 | |
| A658024 | 110 | |
| A658025 | 120 | |
| A658026 | 130 | |
| A658027 | 150 | |
| A658028 | 160 | |
| A658029 | 180 | .15 |
| A658030 | 200 | |
| A658031 | 220 | |
| A658032 | 240 | |
| A658033 | 250 | |
| A658034 | 270 | |
| A658035 | 300 | |
| A658036 | 330 | |
| A658037 | 360 | .18 |
| A658038 | 390 | |
| A658039 | 430 | |
| A658040 | 470 | |

REGULAR MICA CM-20

| Cat. No. | $\mu\text{f.}$ | Net |
|----------|----------------|------------|
| A658041 | 500 | |
| A658042 | 510 | .18 |
| A658043 | 560 | |
| A658044 | 620 | |
| A658045 | 680 | .25 |
| A658046 | 750 | |
| A658047 | 820 | .23 |
| A658048 | 910 | .26 |
| A658049 | 1000 | .26 |
| A658050 | 1100 | |
| A658051 | 1200 | .29 |
| A658052 | 1300 | |
| A658053 | 1500 | .35 |
| A658054 | 1600 | .35 |
| A658055 | 1800 | .41 |
| A658056 | 2000 | .44 |

REGULAR MICA CM-30

| Cat. No. | $\mu\text{f.}$ | Net |
|----------|----------------|------------|
| A658114 | 510 | |
| A658115 | 560 | |
| A658116 | 620 | |
| A658117 | 680 | .18 |
| A658118 | 750 | |
| A658119 | 820 | |
| A658120 | 910 | |
| A658121 | 1000 | |
| A658122 | 1100 | |
| A658123 | 1200 | |
| A658124 | 1300 | .21 |
| A658125 | 1500 | |
| A658126 | 1600 | |
| A658127 | 1800 | |
| A658128 | 2000 | .27 |
| A658129 | 2200 | |
| A658130 | 2400 | |
| A658131 | 2500 | .29 |
| A658132 | 2700 | |
| A658133 | 3000 | |
| A658134 | 3300 | .36 |
| A658135 | 3600 | |
| A658136 | 3900 | |
| A658137 | 4300 | .38 |

(B) HI-K DISC CAPACITORS: Erie type GMV by-pass disc capacitors. Very low series inductance; high frequency by-pass applications.

| Cat. No. | Cap. $\mu\text{f.}$ | Net |
|----------|---------------------|------------|
| A268868 | .00047 | |
| A268869 | .0008 | |
| A268870 | .001 | |
| A268871 | .0012 | |
| A268872 | .0015 | |
| A268873 | .002 | |
| A268874 | .0022 | |
| A268875 | .0027 | .15 |
| A268876 | .003 | |
| A268877 | .0033 | |
| A268878 | .004 | |
| A268879 | .0047 | |
| A268880 | .005 | |
| A268881 | .0068 | |
| A268882 | .01 | |
| A268883 | .015 | |
| A268884 | .02 | |

(C) ERIE FEED-THRU CERAMICONS: Recommended for by-passing RF to ground in feed-thru applications. Wire terminals of type 362 and hook type terminals of style 327 are sufficiently rugged to serve as tie points. Type 327 is hermetically sealed. Tolerance ±20%, 500 VDC.

| Cat. No. | Erie | $\mu\text{f.}$ | Net |
|----------|---------|----------------|-------------|
| A268819 | 327-102 | 1000 | 1.20 |
| A268820 | 357-102 | 1000 | .84 |
| A268821 | 362-102 | 1000 | .84 |
| A268822 | 362-152 | 1500 | .84 |
| A268962 | 321-102 | 1000 | .84 |
| A268963 | 357-152 | 1000 | .84 |

(D) ERIE TUBULAR TRIMMERS: Type 532—Plastic dielectric capacitor with simple, precise adjustment. 500 VDC.

| Cat. No. | Type | $\mu\text{f.}$ | Net |
|----------|-------|----------------|------------|
| A088141 | 532-A | .5-5 | .32 |
| A088142 | 532-B | 1.0-8 | .32 |

GMV HI-K DUAL 600 VDCW

| Cat. No. | Erie ED | Cap. $\mu\text{f.}$ | Net |
|----------|---------|---------------------|------------|
| A268887 | .002 | 2 x .002 | .24 |
| A268888 | .003 | 2 x .003 | .26 |
| A268889 | .004 | 2 x .004 | .26 |

(E) ERIE TRIMMERS: Capacity changes in direct proportion to degree of rotation. NPO has zero temp. coefficient. N500, N750 have neg. temp. coef. of 300, 500, 750 parts/million/°C.

TYPE 557

| Cat. No. | $\mu\text{f.}$ | Temp. Coef. | Net |
|----------|----------------|-------------|------------|
| A088178 | 1.5-7 | NPO | .88 |
| A088079 | 3-12 | NPO | .88 |
| A088080 | 5-25 | NPO | .88 |
| A088179 | 5-30 | N750 | .88 |
| A088081 | 8-50 | N750 | .88 |

TYPE T52A

| Cat. No. | $\mu\text{f.}$ | Temp. Coef. | Net |
|----------|----------------|-------------|-------------|
| A088071 | 1.5-7 | NPO | 1.08 |
| A088072 | 3-12 | NPO | 1.08 |
| A088073 | 4-30 | N500 | 1.08 |
| A088187 | 5-20 | N300 | 1.08 |
| A088074 | 7-45 | N500 | 1.08 |

ERIE Silver Micas

SILVER MICA CM-20

| Cat. No. | $\mu\text{f.}$ | Net |
|----------|----------------|------------|
| A658057 | 5 | |
| A658058 | 10 | |
| A658059 | 12 | |
| A658060 | 15 | |
| A658061 | 18 | |
| A658062 | 20 | |
| A658063 | 22 | |
| A658064 | 24 | |
| A658065 | 27 | |
| A658066 | 30 | |
| A658067 | 33 | .24 |
| A658068 | 36 | |
| A658069 | 39 | |
| A658070 | 43 | |
| A658071 | 47 | |
| A658072 | 50 | |
| A658073 | 51 | |
| A658074 | 56 | |
| A658075 | 62 | |
| A658076 | 68 | |
| A658077 | 75 | |
| A658078 | 82 | |
| A658079 | 91 | |
| A658080 | 100 | |
| A658081 | 110 | |
| A658082 | 120 | |
| A658083 | 130 | |
| A658084 | 150 | .26 |
| A658085 | 160 | |
| A658086 | 180 | |
| A658087 | 200 | |
| A658088 | 220 | |
| A658089 | 240 | |
| A658090 | 250 | |
| A658091 | 270 | .32 |
| A658092 | 300 | |
| A658093 | 330 | |
| A658094 | 360 | |
| A658095 | 390 | .38 |
| A658096 | 430 | .38 |
| A658097 | 470 | .41 |
| A658098 | 500 | .41 |
| A658099 | 510 | .41 |
| A658100 | 560 | .44 |

SILVER MICA CM-20

| Cat. No. | $\mu\text{f.}$ | Net |
|----------|----------------|------------|
| A658101 | 620 | .44 |
| A658102 | 680 | .47 |
| A658103 | 750 | .47 |
| A658104 | 820 | .50 |
| A658105 | 910 | .50 |
| A658106 | 1000 | .53 |
| A658107 | 1100 | .53 |
| A658108 | 1200 | .59 |
| A658109 | 1300 | .59 |
| A658110 | 1500 | .65 |
| A658111 | 1600 | .65 |
| A658112 | 1800 | .71 |
| A658113 | 2000 | .76 |

SILVER MICA CM-30

| Cat. No. | $\mu\text{f.}$ | Net |
|----------|----------------|-------------|
| A658143 | 510 | .41 |
| A658144 | 560 | .44 |
| A658145 | 620 | .44 |
| A658146 | 680 | .47 |
| A658147 | 750 | .47 |
| A658148 | 820 | .50 |
| A658149 | 910 | .53 |
| A658150 | 1000 | .59 |
| A658151 | 1100 | .59 |
| A658152 | 1200 | .68 |
| A658153 | 1300 | .68 |
| A658154 | 1500 | .73 |
| A658155 | 1600 | .73 |
| A658156 | 1800 | .73 |
| A658157 | 2000 | .79 |
| A658158 | 2200 | .79 |
| A658159 | 2400 | .94 |
| A658160 | 2500 | .94 |
| A658161 | 2700 | 1.06 |
| A658162 | 3000 | 1.12 |
| A658163 | 3300 | 1.12 |
| A658164 | 3600 | 1.18 |
| A658165 | 3900 | 1.18 |
| A658166 | 4300 | 1.23 |
| A658167 | 4700 | 1.23 |
| A658168 | 5000 | 1.26 |
| A658169 | 5100 | 1.26 |
| A658170 | 5600 | 1.32 |
| A658171 | 6200 | 1.41 |

Portable Powerstat Unit



- 130 watt fused
- On-Off switch
- 0-132 volts

\$16⁵⁰

(A) PORTABLE POWERSTAT — A portable powerstat in a sturdy cast zinc housing unit. It has a 6 ft. cord-plug which provides 2 receptacles and a 1 ampere fuse housed in the plug end of the cord. It also has a readily accessible "on and off" switch and can be plugged into a 120 volt, 60 cycle outlet to deliver 0-132 volts at one amp. Excellent portable, safe source of adjustable AC voltage.

A14G635 Superior 2PF10 \$2 down, Net 16.50

Superior Electric Company



(B) SUPERIOR LOW WATT TYPE 108 VARIABLE TRANSFORMER—Powerstat providing long needed low wattage variable A-C voltage control for loads up to 230 watts. Mounts under 3" chassis—overall only 2 1/2" deep, 3 1/4" high, 2 1/8" wide. Rating: input—120 V 60 cy. single phase; output—0-120V.—1.75A., 210/230 KVA. It's compact, takes up less space than most low watt type transformers. Ship. Wt. 3 lbs.

A14G624 Superior 108 Net 8.50

(C) NEW SUPERIOR FLEXIFORMER TP150 WIND-IT-YOURSELF TRANSFORMER — Perfect for lab or school. Center opening permits easy hand wiring. Use as a single phase transformer or as a multiple source of AC voltages. 400 turns of copper wire on silicon steel core, 120 volts, 50/60 cy. input; 150 VA output. 5 way binding posts included. Complete with easy to follow instructions, helpful wiring information. Ship. wt 5 lbs.

A14G533 Superior TP150 \$5 Mo., Net 22.00

(D) SUPERIOR POWERSTAT VARIABLE TRANSFORMERS—Deliver adjustable output voltages from AC line. Output variable from zero to above line voltage. For 110-120 VAC input. **P is unenclosed for panel mtg., U is enclosed.

| Cat. No. | Superior | Fig. | Output Volts | Output Amps. | KVA | Mtg.** | Size in Inches | Ship. Wt. | Net |
|-----------|----------|------|--------------|--------------|-----|--------|-------------------|-----------|-------|
| A14GX625 | 20 | D | 0-140 | 3.0 | 0.4 | P | 3 1/4 x 3 1/4 | 6 | 12.50 |
| A14GX626Y | 116 | | 0-140 | 7.5 | 1.0 | U | 6 1/2 x 4 1/2 | 12 | 24.00 |
| A14GX627Y | 116U | | 0-140 | 7.5 | 1.0 | P | 4 1/2 x 4 1/2 | 11 | 18.00 |
| A14GX661Y | EN116 | | 0-140 | 6.5 | .91 | U | 6 1/4 Sq. x 7 3/4 | 13 | 25.00 |

Stancor Replacement Transformers and Chokes

STANCOR FILAMENT TRANSFORMERS — Single-secondary transformers, all center-tapped except Type 6469 and Type P8190. Type P8191 has 6.3 v. primary, secondary for filament isolation. Others are 117 V, 60 cycles.

| Cat. No. | Stancor | Secondary V. | A. | RMSV. Insul. | Mtg. Type | Sh. wt. in lbs. | Net |
|----------|---------|--------------|------|--------------|-----------|-----------------|------|
| A14G224 | P-4026 | 2.5 | 1.5 | 2500 | A | 1.5 | 2.71 |
| A14G448 | P-6467 | 5.0 CT | 3.0 | 2500 | A | 1.4 | 3.13 |
| A14G065 | P-6134 | 6.3 CT | 1.2 | 3000 | A | 0.8 | 2.05 |
| A14G207 | P-8190 | 6.3 | 1.2 | 5000 | A | 1.0 | 2.70 |
| A14G209 | P-8191 | 6.3 | 1.2 | 5000 | A | 1.0 | 2.89 |
| A14G452 | P-6466 | 6.3 CT | 3.0 | 2500 | A | 1.4 | 3.31 |
| A14G726 | P-6456 | 6.3 CT | 6.0 | 2000 | A | 2.0 | 3.72 |
| A14G066 | P-5014* | 6.3 CT | 3.0 | 2500 | BV | 2.0 | 4.56 |
| A14G222 | P-4019* | 6.3 CT | 4.0 | 2500 | C | 2.7 | 4.91 |
| A14G235 | P-4089* | 6.3 CT | 6.0 | 2500 | C | 3.5 | 6.46 |
| A14G726 | P-6456 | 6.3 CT | 6.0 | 2000 | A | 2.0 | 3.72 |
| A14G068 | P-6308* | 6.3 CT | 10.0 | 2500 | BV | 3.4 | 6.43 |
| A14G100 | P-6309* | 6.3 CT | 20.0 | 2500 | BV | 6.7 | 9.96 |
| A14G395 | P-5016* | 10.0 CT | 4.0 | 2500 | BV | 3.3 | 5.91 |
| A14G397 | P-8130 | 12.6 CT | 2.0 | 1500 | A | 1.4 | 3.36 |
| A14G300 | P-6469 | 25.2 | 1.0 | 1500 | A | 1.4 | 3.19 |

*Has electrostatic shield

STANCOR FILTER CHOKES

| Cat. No. | Stancor | Rating @ DCMA | R.M.S.V. Insul. | Mtg. Type | Net |
|----------|---------|-------------------|-----------------|-----------|-------|
| A14G018 | C-1515 | 20.0 hv., 15 ma. | 1500 | A | 2.10 |
| A14G019 | C-1706 | 4.5 hv., 50 ma. | 1500 | A | 1.26 |
| A14G020 | C-1707 | 7.0 hv., 50 ma. | 1500 | A | 1.39 |
| A14G022 | C-1003 | 16.0 hv., 50 ma. | 1500 | A | 2.12 |
| A14G023 | C-1708 | 13.0 hv., 65 ma. | 1500 | A | 2.35 |
| A14G024 | C-1355 | 8.0 hv., 75 ma. | 1500 | I | 2.59 |
| A14G025 | C-1002 | 15.0 hv., 75 ma. | 1500 | A | 2.82 |
| A14G026 | C-1709 | 8.0 hv., 85 ma. | 1500 | A | 2.35 |
| A14G027 | C-2305 | 5.0 hv., 100 ma. | 1500 | TD | 3.38 |
| A14G028 | C-1001 | 10.5 hv., 110 ma. | 3000 | A | 3.50 |
| A14G029 | C-2303 | 2.5 hv., 130 ma. | 2000 | A | 2.20 |
| A14G031 | C-2304 | 2.3 hv., 150 ma. | 1500 | A | 2.20 |
| A14G201 | C-2309 | 3.0 hv., 150 ma. | 2000 | A | 2.51 |
| A14G030 | C-1710 | 7.0 hv., 150 ma. | 1500 | A | 3.52 |
| A14G204 | C-2325 | 2.0 hv., 200 ma. | 1500 | A | 2.78 |
| A14G184 | C-1646 | 5.0 hv., 200 ma. | 5000 | C | 6.64 |
| A14G163 | C-1721 | 8.5 hv., 200 ma. | 3000 | NV | 7.33 |
| A14G195 | C-1703 | 4.0 hv., 250 ma. | 3000 | BV | 6.06 |
| A14G185 | C-1412 | 4.0 hv., 250 ma. | 3000 | C | 6.81 |
| A14G675 | C-2326 | 1.0 hv., 300 ma. | 1500 | A | 2.83 |
| A14G183 | C-2334 | 2.8 hv., 300 ma. | 1500 | A | 3.45 |
| A14G032 | C-2308 | 8.0 hv., 300 ma. | 3000 | NV | 10.78 |

STANCOR PLATE TRANSFORMERS—117VAC Input. Mounting type PC, Ratings are for Reactor input.

| Cat. No. | Stancor | Secondary A.C. Volts | D.C. Volts | Output MA. | Wt. in lbs. | Net |
|----------|---------|----------------------|------------|------------|-------------|-------|
| A14G741 | PC8301 | 415-0-415 | 300 | 200 | 4.8 | 7.87 |
| A14G742 | PC8302 | 515-0-515 | 385 | 235 | 6.8 | 10.31 |
| A14G743 | PC8303 | 665-0-665 | 500 | 250 | 9.6 | 13.16 |
| A14G744 | PC8304 | 750-0-750 | 600 | 265 | 11.5 | 14.75 |
| A14G745 | PC8305 | 920-0-920 | 750 | 250 | 11.9 | 15.35 |
| A14G746 | PC8306 | 920-0-920 | 750 | 150 | 11.9 | 15.16 |
| | | 500-0-500 | 380 | 150 | | |

COMBINATION PLATE AND FILAMENT SUPPLY—All primary 117V 60 cycles provide approx. 280 DC to condenser input filter; all have additional 6.3V CT winding.

| Cat. No. | Type | Plate VCT | MA | *Fit. A | Ship. in lbs. | Net |
|----------|---------|-----------|-----|---------|---------------|------|
| A14G286 | PC8401† | 470 | 40 | 2.0 | 2.2 | 5.36 |
| A14G835 | PM8401† | 470 | 40 | 2.0 | 2.2 | 5.68 |
| A14G287 | PC8402† | 470 | 40 | 2.0 | 2.4 | 5.39 |
| A14G836 | PM8402† | 480 | 55 | 2.0 | 2.4 | 5.51 |
| A14G288 | PC8403† | 500 | 70 | 2.5 | 3.2 | 6.22 |
| A14G837 | PM8403† | 500 | 70 | 2.5 | 3.2 | 6.22 |
| A14G289 | PC8404† | 520 | 90 | 3.0 | 4.0 | 6.89 |
| A14G283 | PC8404† | 520 | 90 | 3.0 | 4.0 | 6.88 |
| A14G838 | PM8405† | 540 | 120 | 3.5 | 4.9 | 8.98 |
| A14G839 | PM8405† | 540 | 120 | 3.5 | 4.9 | 8.98 |

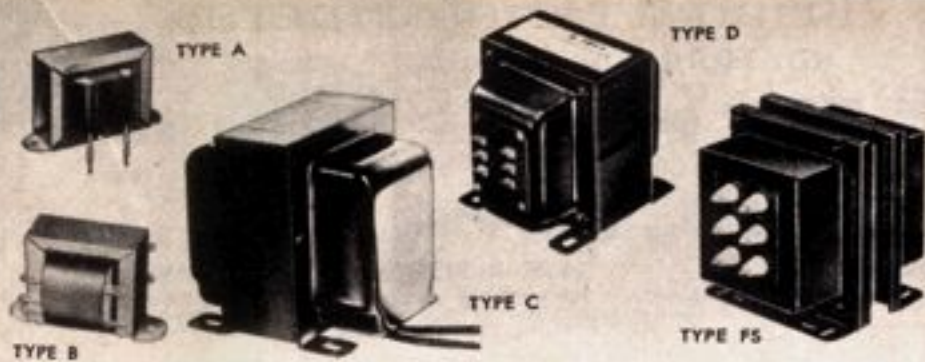
FOR CHOKE INPUT FILTER, VR REG. SUPPLY, ETC.

| | | | | | | |
|---------|----------|----------|-----|-----|------|-------|
| A14G290 | PC8406† | 650 | 40 | 2.0 | 2.4 | 5.64 |
| A14G271 | PM8406† | 650 | 40 | 2.0 | 2.4 | 5.64 |
| A14G291 | PC8407† | 650 | 55 | 2.0 | 3.2 | 5.88 |
| A14G840 | PM8407† | 650 | 55 | 2.0 | 3.2 | 5.88 |
| A14G841 | PC8422† | 650 | 150 | 5.0 | 5.8 | 9.37 |
| A14G842 | PM8422† | 650 | 150 | 5.0 | 5.8 | 9.38 |
| A14G292 | PC8408† | 680 | 70 | 2.5 | 3.8 | 7.33 |
| A14G272 | PM8408† | 680 | 70 | 2.5 | 3.8 | 7.33 |
| A14G293 | PC8409† | 700 | 90 | 3.0 | 4.5 | 7.75 |
| A14G843 | PM8409† | 700 | 90 | 3.0 | 4.5 | 7.75 |
| A14G294 | PC8410† | 720 | 120 | 3.5 | 5.5 | 8.79 |
| A14G176 | PM8410† | 720 | 120 | 3.5 | 5.5 | 9.13 |
| A14G295 | PC8411† | 750 | 150 | 4.5 | 5.8 | 11.75 |
| A14G844 | PM8411† | 750 | 150 | 4.5 | 5.8 | 12.24 |
| A14G296 | PC8412† | 800 | 200 | 5.0 | 8.2 | 12.24 |
| A14G845 | PM8412† | 800 | 200 | 5.0 | 8.2 | 12.27 |
| A14G846 | PC8413† | 800 | 250 | 5.0 | 10.0 | 14.00 |
| A14G297 | PC8414** | 1200 | 200 | 3.0 | 8.3 | 14.40 |
| A14G285 | PS8415** | 125 1/2 | 15 | 0.6 | 0.7 | 2.32 |
| A14G420 | PS8416** | wave 250 | 25 | 1.0 | 1.0 | 2.79 |
| A14G847 | PC8417** | 440 | 50 | 0.5 | 2.2 | 6.25 |
| A14G848 | PC8418** | 460 | 50 | 0.5 | 2.2 | 6.48 |
| A14G849 | PM8418** | 460 | 50 | 0.5 | 2.2 | 6.48 |
| A14G298 | PC8419** | 480 | 70 | 3.0 | 2.6 | 5.39 |
| A14G850 | PM8419** | 480 | 70 | 3.0 | 2.6 | 5.39 |

*Fit. 1, 6.3V. † Rect. 5V., 2A. ‡ Rect. 5V., 3A. **6.3 V Filament Type PS—For use with 6AX5, 6X5 or selenium rectifiers. ** Two 6.3 for 3.0A filter.

STANCOR PLATE TRANSFORMERS—117VAC Input. Mounting type PT. For a reactor input, with full wave mercury. Vapor rectification.

| Cat. No. | Stancor | Secondary AC Volts | DC Volts | DCMA/ ICA5 | Wt. in lbs. | Net |
|----------|---------|--------------------|----------|------------|-------------|-------|
| A14G736 | PT-8311 | 1200-0-1200 | 1000 | 280 | 13.0 | 16.71 |
| A14G737 | PT-8312 | 1200-0-1200 | 1000 | 405 | 22.2 | 29.24 |
| A14G738 | PT-8313 | 1475-0-1475 | 1250 | 310 | 22.3 | 26.09 |
| A14G739 | PT-8314 | 1790-0-1790 | 1500 | 280 | 24.0 | 30.00 |
| A14G740 | PT-8315 | 2065-0-2065 | 1750 | 250 | 24.5 | 30.27 |



UTC Isolation & Step-Down Transformers

- Rugged
- Long Life
- Low Price



\$17.06

EXPORT VOLTAGE ADAPTER—For line voltages of 105 to 250V. Output voltage 115.

| Cat. No. | UTC | Rating | Net |
|----------|------|-----------|-------|
| A13G242 | R-47 | 85 watts | 10.00 |
| A13G243 | R-48 | 150 watts | 11.46 |

ISOLATION TRANSFORMERS — Primary 110-120 volts 50/60 cycles—secondary 110-120 volts.

| | | | |
|---------|------|------------|-------|
| A12G904 | R-72 | 40 watts | 7.06 |
| A13G237 | R-23 | 100 watts | 8.82 |
| A13G238 | R-74 | 250 watts | 14.70 |
| A13G239 | R-75 | 600 watts | 23.52 |
| A12G240 | R-76 | 1200 watts | 41.16 |

STEP-DOWN AUTO-TRANSFORMERS — With 6-foot cord and female receptacle, 220-240 to 110-120 volts—50/60 cycles.

| | | | |
|---------|------|------------|-------|
| A13G230 | R-41 | 85 watts | 5.59 |
| A13G231 | R-42 | 125 watts | 5.88 |
| A13G232 | R-43 | 175 watts | 6.77 |
| A13G233 | R-44 | 250 watts | 8.24 |
| A13G234 | R-45 | 500 watts | 11.76 |
| A13G235 | R-46 | 1200 watts | 23.52 |

STANCOR TRANSFORMERS

Audio Output, Universal Output, Driver, Miniature, Transistor, Poly-Pedance Modulation, Interstage

DRIVER TRANSFORMERS

Single plate 10,000 ohms to push-pull grids. All mtg. type A.

| Cat. No. | Type | Ratio | Pri. Ma. | Sec. Wt. | Net |
|----------|--------|-----------|----------|----------|------|
| A14G073 | A-4723 | 3:1 | 30 | 0.7 | 2.10 |
| A14G074 | A-4752 | 2/1.5/1.1 | 40 | 1.2 | 2.86 |

FOR 7000-150,000 OHM PLATE

| | | | | | |
|---------|-------|-----|----|-----|------|
| A14G035 | A-52C | 2:1 | 10 | 0.4 | 2.20 |
| A14G036 | A-53C | 3:1 | 10 | 0.5 | 2.35 |
| A14G038 | A-63C | 3:1 | 10 | 0.7 | 2.64 |
| A14G039 | A-73C | 3:1 | 10 | 1.0 | 3.08 |

TRANSCIEVER TRANSFORMER

This unit is widely used in citizens' band equipment as a modulation/audio output transformer. Saves valuable space and weight in mobile and portable citizens band equipment. Primary impedance is 5000 ohms at 50 mhz. Secondary impedance is 6,750 ohms at 50 mhz made. Audio output is 4 ohms to voice coil. Rated for 10 watts. Mounting type A. Ship. weight-0.7 lbs. A14G710 A3817Net 2.94

STANCOR TRANSISTOR TRANSFORMERS

Shpg. wt. averages 3 oz. except for TA-13, 1 1/2 lbs., TA-11, 1 lb. and TA-14 6 1/4 lbs. All Mtg. Fig. A.

INPUT TRANSFORMERS

| Cat. No. | Type | Pri. Imp. | Sec. Imp. | Max. Ma. | Watts | Size | Net Ea. |
|----------|-------|-----------|-----------|----------|-------|-----------------------|---------|
| A14G902 | TA-1 | 600CT | 10 | 20 | .05 | 1 1/2 x 1 1/2 x 1 1/2 | 1.90 |
| A14G920 | TA-18 | 30CT | 50,000 | | .15 | 2 1/2 x 1 1/2 x 1 1/2 | 3.63 |
| A14G949 | TA-47 | 1000CT | 200,000CT | | .30 | 2 1/2 x 1 1/2 x 1 1/2 | 3.63 |

OUTPUT TRANSFORMERS

| | | | | | | | |
|---------|-------|----------|--------|-----|-----|-----------------------|-------|
| A14G909 | TA-8 | 9800 | 15 | 2 | .05 | 1 1/2 x 2 1/2 x 1 1/2 | 4.25 |
| A14G910 | TA-9 | 1000 | 4/8/16 | 10 | .2 | 3/4 x 1 1/2 x 3/4 | 4.87 |
| A14G911 | TA-10 | 2000CT | 4/8/16 | | .2 | 3/4 x 1 1/2 x 3/4 | 5.33 |
| A14G912 | TA-11 | 48CT | 8/16 | 275 | 5 | 2 x 3 1/2 x 1 1/2 | 3.65 |
| A14G913 | TA-12 | 20CT | 8 | 500 | 10 | 1 1/2 x 1 1/2 x 1 1/2 | 1.90 |
| A14G915 | TA-14 | 24CT | 16/4CT | 200 | 10 | 4 1/2 x 4 1/2 x 3 1/2 | 10.07 |
| A14G922 | TA-20 | 350CT | 4/12 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G923 | TA-21 | 500CT | 4/8/16 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G925 | TA-23 | 600CT | 4/8/16 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G927 | TA-25 | 825CT | 4/8/16 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G928 | TA-26 | 1250 | 4/12 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G931 | TA-29 | 2500 | 4/16 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G935 | TA-33 | 10,000CT | 4/8/16 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G939 | TA-37 | 400CT | 11 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G941 | TA-39 | 100CT | 4/8/16 | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G942 | TA-40 | 160 | 4/8/16 | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G943 | TA-41 | 400CT | 4/8/16 | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G944 | TA-42 | 500CT | 4/8/16 | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G945 | TA-43 | 700CT | 4/8/16 | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G946 | TA-44 | 2500 | 4/8/16 | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G947 | TA-45 | 3000 | 4/8/16 | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |

INTERSTAGE TRANSFORMERS

| | | | | | | | |
|---------|-------|---------|----------|-----|-----|-----------------------|------|
| A14G903 | TA-2 | 100CT | 10CT | 100 | .25 | 1 1/2 x 2 1/2 x 1 1/2 | 1.90 |
| A14G904 | TA-3 | 100 | 1000CT | 100 | .25 | 1 1/2 x 2 1/2 x 1 1/2 | 1.90 |
| A14G905 | TA-4 | 500CT | 5000CT | 12 | .03 | 1 1/2 x 2 1/2 x 1 1/2 | 2.48 |
| A14G921 | TA-19 | 100CT | 10CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G924 | TA-22 | 500CT | 50 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G926 | TA-24 | 500CT | 50,000 | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G929 | TA-27 | 1200 | 20,000CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G930 | TA-28 | 1500 | 500CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G932 | TA-30 | 5000CT | 7500CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G933 | TA-31 | 5000CT | 10,000CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G934 | TA-32 | 5000CT | 80,000CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G936 | TA-34 | 10,000 | 200CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G937 | TA-35 | 10,000 | 2000CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G938 | TA-36 | 10,000 | 3000CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G940 | TA-38 | 500CT | 150CT | | .15 | 2 1/2 x 1 1/2 x 3/4 | 3.63 |
| A14G948 | TA-46 | 100,000 | 1500CT | | .30 | 1 1/2 x 1 1/2 x 3/4 | 3.63 |

DRIVER TRANSFORMERS

| | | | | | | | |
|---------|-------|-------|-------|-----|-----|-----------------------|------|
| A14G906 | TA-5 | 1000 | 200CT | 10 | .05 | 3/4 x 1 1/2 x 3/4 | 4.70 |
| A14G907 | TA-6 | 2000 | 200CT | 5 | .05 | 3/4 x 1 1/2 x 3/4 | 5.33 |
| A14G908 | TA-7 | 100 | 100CT | 100 | .5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.90 |
| A14G914 | TA-13 | 200CT | 400CT | 10 | .6 | 3 x 2 1/2 x 2 1/2 | 4.02 |

STANCOR UNIVERSAL OUTPUT TRANSFORMERS

These transformers meet almost all replacement needs. Universal secondary impedances allow matching of any output tubes to any speaker load. Ideal for replacement in TV sets and radios and for low cost hi-fi amplifiers. All mtg. type B.

| Cat. No. | Type | Primary | Watts | Size | Ship. Wt. | Net Ea. |
|----------|--------|----------|-------|-----------------------|-----------|---------|
| A14G015 | A-3856 | 4-14M-CT | 4 | 1 1/2 x 2 1/2 x 1 1/2 | 0.4 lb. | 2.83 |
| A14G008 | A-3822 | 7-10M | 4 | 1 1/2 x 2 1/2 x 1 1/2 | 0.4 lb. | 1.91 |
| A14G016 | A-3823 | 4-14M-CT | 8 | 1 1/2 x 2 1/2 x 1 1/2 | 0.7 lb. | 3.29 |
| A14G013 | A-3850 | 4-14M-CT | 8 | 2 x 2 1/2 x 1 1/2 | 0.7 lb. | 3.26 |
| A14G007 | A-3825 | 1.5-4.5M | 8 | 2 x 3 1/2 x 1 1/2 | 0.9 lb. | 2.57 |
| A14G012 | A-3849 | 1.5-10M | 10 | 1 1/2 x 2 1/2 x 1 1/2 | 0.7 lb. | 3.29 |
| A14G007 | A-3880 | 4-14M-CT | 15 | 2 1/2 x 3 1/2 x 2 1/2 | 1.7 lb. | 4.31 |
| A14G008 | A-3855 | 4-14M-CT | 15 | 2 1/2 x 2 1/2 x 1 1/2 | 1.0 lb. | 3.69 |
| A14G009 | A-3890 | 4-14M-CT | 15 | 2 1/2 x 2 1/2 x 2 1/2 | 1.5 lb. | 5.33 |
| A14G017 | A-3852 | 4-14M-CT | 18 | 2 1/2 x 2 1/2 x 2 | 1.3 lb. | 3.97 |
| A14G014 | A-3870 | 4-14M-CT | 18 | 2 x 3 1/2 x 2 | 1.3 lb. | 4.05 |
| A14G011 | A-3830 | 3-10M-CT | 20 | 2 1/2 x 3 1/2 x 2 1/2 | 1.8 lb. | 4.40 |

STANCOR AUDIO OUTPUT TRANSFORMERS

Replacement Audio output transformers for TV and radio use. All Fig. A except *, Fig. C.

SINGLE PLATE TO VOICE COIL

| Cat. No. | Type | Pri. | Sec. | Max. Pri. D.C. | Watts | Ship. Wt. lbs. | Net Ea. |
|----------|--------|--------|------|----------------|-------|----------------|---------|
| A14G003 | A-3876 | 2000 | 4 | 60 ma | 5 | 0.4 | 1.45 |
| A14G800 | A-3328 | 4000 | 3.5 | 10 ma | 3 | 0.4 | 1.30 |
| A14G004 | A-3877 | 5000 | 4 | 40 ma | 5 | 0.4 | 1.45 |
| A14G007 | A-3878 | 7000 | 4 | 30 ma | 5 | 0.4 | 1.49 |
| A14G801 | A-3329 | 8000 | 3.5 | 10 ma | 3 | 0.4 | 1.30 |
| A14G802 | A-3879 | 10,000 | 4 | 30 ma | 5 | 0.4 | 1.45 |

PUSH-PULL PLATES TO COIL

| Cat. No. | Type | Pri. | Sec. | Max. Pri. D.C. | Watts | Wt. lbs. | Net Ea. |
|----------|---------|---------------|----------------|----------------|-------|----------|---------|
| A14G802 | A-8094 | 4000 CT | 8/16/32 | 80 ma | 7.5 | 1.5 | 3.99 |
| A14G005 | A-3800* | 5000 CT | 500/250/15/8/4 | 80 ma | 30 | 3.7 | 6.74 |
| A14G006 | A-3801* | 6600 CT | 500/250/15/8/4 | 150 ma | 35 | 4.8 | 8.59 |
| A14G804 | A-3304* | 10,000/7000CT | 500/15/8/4 | 60 ma | 25 | 2.7 | 6.31 |
| A14G805 | A-3311* | 10,000 CT | 500/15/8/4 | 70 ma | 25 | 3.5 | 6.78 |
| A14G806 | A-3831 | 10,000 CT | 8/4/2 | 40 ma | 5 | 0.7 | 2.65 |
| A14G009 | A-2312 | 14,000 CT | 4 | 40 ma | 10 | 1.0 | 2.80 |
| A14G010 | A-3857 | 25,000 CT | 4 | 10 ma | 5 | .4 | 2.36 |

POLY-PEDANCE MODULATION TRANSFORMERS

Multi-tapped units to properly match the output of the modulator stage to the modulated load. These will match all common impedance of class "B" modulator (2,000 to 20,000). Ohms to class "C" load impedances of 2,000 to 20,000 Ohms. These units give an almost unlimited range in power and impedance ratings to assure a correct impedance match in all cases. Mtg. Type D, except A3898 Mtg. Type FS.

| Cat. No. | Type | Pri. Imp. | Sec. Imp. | Watts | Size | Ship. Wt. lbs. | Net Ea. |
|----------|--------|-----------|-----------|-------|-----------------------|----------------|---------|
| A14G810 | A-3891 | 100 ma | 100 ma | 15 | 3 1/2 x 2 1/2 x 2 1/2 | 2.5 | 9.41 |
| A14G811 | A-3892 | 150 ma | 150 ma | 30 | 4 x 3 1/2 x 3 1/2 | 4.3 | 11.92 |
| A14G071 | A-3893 | 180 ma | 180 ma | 60 | 4 x 3 1/2 x 3 1/2 | 6.2 | 12.90 |
| A14G812 | A-3894 | 225 ma | 225 ma | 125 | 4 1/2 x 4 x 4 1/2 | 9.4 | 16.25 |
| A14G813 | A-3898 | 260 ma | 260 ma | 300 | 8 1/2 x 5 1/2 x 7 1/2 | 37.9 | 95.70 |



AUDIO TRANSISTOR TRANSFORMERS

All are mounting type X except TY-27XT and TY-28XT mounting type NT.

| Cat. No. | Type | Pri. Imp. | Sec. Imp. | Pri. Ma. | Size | Wt. Oz. Ea. | Net Ea. |
|----------|---------|-----------|-----------|----------|-----------------------|-------------|---------|
| A72G005 | TY-23X | 5000 | 500 CT | .5 | 1 1/2 x 1 1/2 x 1 1/2 | .64 | 3.72 |
| A72G006 | TY-24X | 5000 | 3000 CT | .5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.35 |
| A72G007 | TY-25X | 10000 | 200 CT | .5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.47 |
| A72G008 | TY-26X | 10000 | 3000 CT | .5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.56 |
| A72G009 | TY-27XT | 500 CT | 500 CT | 2 | 1 1/2 x 1 1/2 x 1 1/2 | .25 | 3.75 |
| A72G010 | TY-28XT | 500 CT | 200 CT | 2 | 1 1/2 x 1 1/2 x 1 1/2 | .25 | 3.75 |
| A72G011 | TY-32X | 200 CT | 2000 CT | 2 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.75 |
| A72G012 | TY-33X | 400 CT | 16/8/4 | 5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.75 |
| A72G013 | TY-34X | 400 CT | 2000 CT | 5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.75 |
| A72G014 | TY-35X | 500 CT | 150 CT | 2 | 1 1/2 x 1 1/2 x 1 1/2 | .64 | 3.60 |
| A72G015 | TY-36X | 2000 | 1500 CT | 2 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.75 |
| A72G016 | TY-37X | 2000 CT | 8000 CT | 4 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.84 |
| A72G017 | TY-38X | 3000 CT | 1000 CT | 4 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.84 |
| A72G018 | TY-39X | 4000 CT | 16/8/4 | 4 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.90 |
| A72G019 | TY-40X | 5000 | 200 CT | 1 | 1 1/2 x 1 1/2 x 1 1/2 | .64 | 3.60 |
| A72G020 | TY-41X | 16000 | 4000 | 1 | 1 1/2 x 1 1/2 x 1 1/2 | .64 | 3.72 |
| A72G021 | TY-42X | 20000 | 8/4 | .5 | 1 1/2 x 1 1/2 x 1 1/2 | .64 | 3.60 |
| A72G022 | TY-43X | 20000 | 800 CT | .5 | 1 1/2 x 1 1/2 x 1 1/2 | .64 | 3.72 |
| A72G023 | TY-44X | 1000 | 16/8/4 | 10 | 1 1/2 x 1 1/2 x 1 1/2 | 1.25 | 3.75 |
| A72G024 | TY-45X | 500 CT | 16/8/4 | 5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.75 |
| A72G025 | TY-46X | 100 | 1000 CT | 100 | 1 1/2 x 2 1/2 x 1 1/2 | 6.7 | 2.55 |
| A72G026 | TY-47X | 2000 CT | 16/8/4 | 10 | 1 1/2 x 1 1/2 x 1 1/2 | 1.25 | 3.96 |
| A72G027 | TY-49X | 500 CT | 5000 CT | 12 | 1 1/2 x 2 1/2 x 1 1/2 | 5.6 | 2.79 |
| A72G028 | TY-50X | 125000 | 2000 CT | 2 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.56 |
| A72G029 | TY-51X | 2000 CT | 200 CT | 10 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.96 |
| A72G030 | TY-52X | 20000 CT | 2000 CT | 1 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.29 |
| A72G031 | TY-54X | 15000 | 200 CT | 1.5 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.08 |
| A72G032 | TY-55X | 2000 CT | 500 CT | 2 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.17 |
| A72G033 | TY-56X | 10000 | 2000 CT | 1 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.17 |
| A72G034 | TY-57X | 250 CT | 16/8/4 | 10 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.51 |
| A72G035 | TY-58X | 125 CT | 8/4 | 15 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 3.51 |
| A72G036 | TY-59X | 5000 CT | 50000 CT | 1 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.59 |
| A72G037 | TY-60X | 200000 | 1000 | 1 | 1 1/2 x 1 1/2 x 1 1/2 | 1.2 | 4.32 |
| A72G038 | TY-62X | 10000 | 4 | 2 | 1 1/2 x 1 1/2 x 1 1/2 | .5 | 3.48 |

OUTPUT TRANSISTOR TRANSFORMERS

The last letter of the type number indicates mounting type.

| Cat. No. | Type | Pri. Imp. | Sec. Imp. | Pri. Ma. | Level | Size | Wt. lbs. | Net Ea. |
|----------|--------|-----------|-----------|----------|-------|-----------------------|----------|---------|
| A72G039 | TY-53X | 200 CT | 400 CT | 100 | .6W | 2 3/8 x 2 | 1 | 3.33 |
| A72G040 | TY-61X | 100 CT | 100 CT | 100 | .5W | 1 1/2 x 2 1/2 x 1 1/2 | .6 | 2.91 |
| A72G041 | TY-63X | 48 CT | 16/8 | 550 | 5W | 2 3/8 x 1 1/2 | 1 | 3.99 |
| A72G042 | TY-64X | 32 CT | 16/8/4 | 575 | 10W | 2 3/8 x 1 1/2 | 1.25 | 3.66 |
| A72G043 | TY-65Z | 32 CT | 8K/4K/3K | 575 | 10W | 2 1/2 x 2 1/2 x 2 | 1.25 | 3.66 |
| A72G044 | TY-66A | 8 CT | 6K/4K/3K | 5A | 40W | 3 1/2 x 3 1/2 x 3 1/2 | 4.7 | 9.09 |
| A72G045 | TY-67A | 8 CT | 16/8/4 | 5A | 40W | 3 1/2 x 3 1/2 x 3 1/2 | 4.7 | 9.33 |

MODULATION TRANSFORMERS

Give superior performance at a low cost. Provide a maximum of efficiency and flexibility when used with the most popular final R.F. stages. The frequency response is 300-3000 cycles for all of these. The mounting type is given by the last letter of the type number.

| Cat. No. | Type | Primary | Secondary | Watts | Size | Wt. lbs. | Net Ea. | |
|----------|--------|-------------|------------|--------|-----------------------|-----------------------|---------|------|
| A72G144 | M-4Z | 5000 | 1Auto Pri | 6750/4 | 10 | 1 1/2 x 2 1/2 x 1 1/2 | .75 | 3.00 |
| A72G145 | M-3X | 10000 CT | 3K, 5K, 8K | 20 | 2 1/2 x 3 1/2 x 2 1/2 | 1.5 | 4.59 | |
| A72G146 | TY-66A | 6 CT, 5A | 3K, 4K, 6K | 40 | 3 1/2 x 3 1/2 x 3 1/2 | 4.5 | 9.09 | |
| A72G147 | M-15A | Multi-Match | 4K to 20K | 30 | 3 1/2 x 3 1/2 | 3.0 | 11.28 | |

TRANSISTOR TRANSVERTER TRANSFORMERS



Designed for use in inexpensive, compact power supplies for mobile equipment. Permit A.C. to D.C. conversion in very small volume at high efficiencies for use with any 12 volt system. Elimination of moving parts results in greatly increased life over vibrator or motor generator supplies. Transistor supplies will last indefinitely, with only a fraction of the power used by mechanical inverters. These units are built with a minimum of bracketing and leads, so that the entire supply can be fabricated and encapsulated as a unit. Come with circuitry and circuit constants for use with various makes of transistors.

| Cat. No. | Type | D.C. Volts Out of Rect. | DC Ma Max. | Size | Wt. lbs. | Net Ea. |
|----------|--------|-------------------------|------------|-----------------------|----------|---------|
| A72G046 | TY-685 | 250/125 | 65 | 1 1/2 x 1 1/2 x 1 1/2 | .2 | 6.18 |
| A72G047 | TY-695 | 300/150 | 100 | 1 1/2 x 2 1/2 x 1 1/2 | .5 | 8.01 |
| A72G048 | TY-705 | 325/162.5 | 150 | 2 1/2 x 2 1/2 | .6 | 8.07 |
| A72G049 | TY-715 | 375/187.5 | 200 | 2 1/2 x 2 1/2 | .65 | 9.18 |
| A72G050 | TY-745 | 600/300 | 200 | 2 1/2 x 3 | 1.07 | 9.99 |

TYPE R POWER TRANSFORMERS

Low cost replacement power transformers. Primaries 110V, 60 cycles. Last letter of type number indicates mounting type.

| Cat. No. | Type | Plate Supply | | | Filaments | | Size | Wt. lbs. | Net Ea. |
|----------|-------|--------------|-------|-------|-----------|-------|-----------------------|----------|---------|
| | | AC Volts | DC Ma | DC Ma | V. A. | V. A. | | | |
| A72G051 | R104A | 500CT | 40 | | 6.3VCT | 2 | 2 1/2 x 2 1/2 x 2 1/2 | 1.6 | 4.80 |
| A72G052 | R104B | 500CT | 40 | | 6.3VCT | 2 | 1 1/2 x 2 1/2 x 2 1/2 | 1.6 | 4.80 |
| A72G053 | R105A | 600CT | 65 | | 6.3VCT | 2.7 | 3 1/2 x 2 1/2 x 2 1/2 | 2 | 5.49 |
| A72G054 | R105B | 600CT | 65 | | 6.3VCT | 2.7 | 1 1/2 x 3 1/2 x 2 1/2 | 2 | 5.49 |
| A72G055 | R106A | 480CT | 50 | 5 | 2 6.3VCT | 2 | 3 1/2 x 2 1/2 x 2 1/2 | 2.1 | 5.49 |
| A72G056 | R106B | 480CT | 50 | 5 | 2 6.3VCT | 2 | 1 1/2 x 3 1/2 x 2 1/2 | 2.1 | 5.49 |
| A72G057 | R107A | 600CT | 50 | 5 | 2 6.3VCT | 2 | 3 1/2 x 2 1/2 x 2 1/2 | 2.4 | 6.00 |
| A72G058 | R107B | 600CT | 50 | 5 | 2 6.3VCT | 2 | 1 1/2 x 3 1/2 x 2 1/2 | 2.4 | 6.00 |
| A72G059 | R108A | 500CT | 75 | 5 | 2 6.3VCT | 2.5 | 3 1/2 x 2 1/2 x 2 1/2 | 2.4 | 6.33 |
| A72G060 | R108B | 500CT | 75 | 5 | 2 6.3VCT | 2.5 | 1 1/2 x 3 1/2 x 2 1/2 | 2.4 | 6.33 |
| A72G061 | R109A | 600CT | 75 | 5 | 2 6.3VCT | 3 | 3 1/2 x 3 x 2 1/2 | 2.9 | 6.90 |
| A72G062 | R109B | 600CT | 75 | 5 | 2 6.3VCT | 3 | 1 1/2 x 3 1/2 x 2 1/2 | 2.9 | 6.90 |
| A72G063 | R110A | 525CT | 90 | 5 | 2 6.3VCT | 5 | 3 1/2 x 3 x 3 1/2 | 3.3 | 7.17 |
| A72G064 | R110B | 525CT | 90 | 5 | 2 6.3VCT | 5 | 2 1/2 x 3 1/2 x 2 1/2 | 3.3 | 7.17 |
| A72G065 | R111A | 700CT | 90 | 5 | 2 6.3VCT | 3.5 | 3 1/2 x 3 x 3 1/2 | 3.6 | 7.50 |
| A72G066 | R111B | 700CT | 90 | 5 | 2 6.3VCT | 3.5 | 2 1/2 x 3 1/2 x 2 1/2 | 3.6 | 7.50 |
| A72G067 | R112A | 550CT | 110 | 5 | 2 6.3VCT | 5 | 3 1/2 x 3 x 3 1/2 | 3.7 | 7.74 |
| A72G068 | R112B | 550CT | 110 | 5 | 2 6.3VCT | 5 | 2 1/2 x 3 1/2 x 2 1/2 | 3.7 | 7.74 |
| A72G069 | R113A | 650CT | 40 | 5 | 2 6.3VCT | 2 | 3 1/2 x 2 1/2 x 2 1/2 | 2.3 | 5.67 |
| A72G070 | R113B | 650CT | 40 | 5 | 2 6.3VCT | 2 | 2 1/2 x 2 1/2 | 2.3 | 5.67 |
| A72G071 | R114A | 700CT | 125 | 5 | 3 6.3VCT | 4.5 | 3 1/2 x 3 1/2 x 3 1/2 | 4.7 | 8.67 |
| A72G072 | R114B | 700CT | 125 | 5 | 3 6.3VCT | 4.5 | 2 1/2 x 3 1/2 x 3 1/2 | 4.7 | 8.67 |
| A72G073 | R115A | 680CT | 70 | 5 | 2 6.3VCT | 2.5 | 3 1/2 x 3 x 3 1/2 | 3.5 | 7.20 |
| A72G074 | R115B | 680CT | 70 | 5 | 2 6.3VCT | 2.5 | 2 1/2 x 3 1/2 x 2 1/2 | 3.5 | 7.20 |
| A72G075 | R116A | 700CT | 160 | 5 | 3 6.3VCT | 5 | 3 1/2 x 3 1/2 x 3 1/2 | 5.7 | 8.76 |
| A72G076 | R116B | 700CT | 160 | 5 | 3 6.3VCT | 5 | 2 1/2 x 3 1/2 x 3 1/2 | 5.7 | 8.76 |
| A72G077 | R118A | 750CT | 175 | 5 | 3 6.3VCT | 8 | 4 1/2 x 3 1/2 x 4 | 7.5 | 10.23 |
| A72G078 | R118B | 750CT | 175 | 5 | 3 6.3VCT | 8 | 2 1/2 x 4 1/2 x 3 1/2 | 7.5 | 10.23 |
| A72G081 | R121A | 800CT | 200 | 5 | 3 6.3VCT | 6 | 4 1/2 x 3 1/2 x 4 1/2 | 8.3 | 11.43 |
| A72G082 | R121B | 800CT | 200 | 5 | 3 6.3VCT | 6 | 3 1/2 x 4 1/2 x 3 1/2 | 8.3 | 11.43 |

PLATE TRANSFORMERS

Primary 110 Volts 60 Cycles

| Cat. No. | Type | Sec. Volts | DC | Sec. D.C. Ma. | CCS | ICAS | Size | Wt. lbs. | Net Ea. |
|----------|-------|------------|---------|---------------|-----|-----------------------|------|----------|---------|
| A72G089 | P14A | 1780CT | 750/600 | 250 | 310 | 5 1/2 x 4 1/2 x 4 1/2 | 14 | 19.30 | |
| A72G090 | P15AL | 2340CT | 1000 | 250 | 310 | 5 1/2 x 4 1/2 x 5 1/2 | 17 | 22.50 | |
| A72G091 | P16AL | 2630CT | 1000 | 500 | 600 | 6 1/2 x 5 1/2 x 6 1/2 | 31 | 44.70 | |
| A72G092 | P17AL | 2880CT | 1250 | 250 | 310 | 5 1/2 x 4 1/2 x 5 1/2 | 20 | 28.02 | |
| A72G093 | P18AL | 2880CT | 1250 | 500 | 600 | 6 1/2 x 5 1/2 x 6 1/2 | 35 | 51.00 | |
| A72G094 | P20AL | 3300CT | 1500 | 350 | 425 | 6 1/2 x 5 1/2 x 6 1/2 | 35 | 49.68 | |
| A72G095 | P21AL | 3300CT | 1500 | 500 | 700 | 6 1/2 x 5 1/2 x 6 1/2 | 32 | 60.60 | |

LOW CURRENT POWER TRANSFORMERS

Have wide usage in instrument design, unusual precision of design and construction.

| Cat. No. | Type | Plate Volts | Ma | Filament Volts | Amps | Size | Wt. lbs. | Net Ea. |
|----------|------|-------------|----|----------------|------|-----------------------|----------|---------|
| A72G097 | R2C | 135 | 15 | 6.3 | .9 | 1 1/2 x 1 1/2 x 1 1/2 | 1 | 3.99 |
| A72G098 | R25B | 250 CT | 22 | 6.3 | .8 | 2 1/2 x 2 1/2 | 1.75 | 6.00 |
| A72G099 | R3A | 500 CT | 20 | 6.3 CT | .2 | 2 1/2 x 2 1/2 x 2 1/2 | 1.75 | 5.58 |
| A72G100 | R29A | 230 CT | 40 | 6.3 | 1.5 | 2 1/2 x 2 1/2 x 2 1/2 | 1.6 | 5.34 |
| A72G101 | R30X | 135 | 50 | 6.3 | 1.5 | 2 1/2 x 3 1/2 x 3 1/2 | 1.5 | 4.35 |
| A72G102 | R54X | 115 | 15 | 6.3 | .6 | 1 1/2 x 2 1/2 x 2 1/2 | 1 | 3.57 |
| A72G103 | R56A | 130 | 20 | 0/15/22.5/30 | .6 | 2 1/2 x 2 1/2 x 2 1/2 | 2 | 6.39 |

FILAMENT TRANSFORMERS

Low temperature rise under continuous operation, minimum size and long life. Permanently marked with connection data. Last letter of type number indicates mounting type.

| Cat. No. | Type | Sec. Volts | Sec. Amps | Test Volts | Size | Wt. lbs. | Net Ea. |
|----------|------|------------|-----------|------------|-----------------------|----------|---------|
| A72G113 | F12X | 2.5CT | 8 | 2500 | 2 1/2 x 4 x 2 1/2 | 2.3 | 4.80 |
| A72G116 | F15U | 5 CT | 15 | 3000 | 3 1/2 x 2 1/2 x 3 1/2 | 3 | 6.99 |
| A72G129 | F19X | 6.3/6CT | 6 | 2500 | 2 1/2 x 4 x 2 1/2 | 2.3 | 5.25 |
| A72G131 | F20U | 6.3/6CT | 11 | 2500 | 3 1/2 x 2 1/2 x 3 | 3.3 | 6.84 |
| A72G133 | F24U | 7.5/6.3CT | 8 | 2500 | 3 1/2 x 2 1/2 x 2 1/2 | 3 | 7.11 |
| A72G134 | F28U | 7.5/6.3CT | 25 | 3000 | 4 1/2 x 3 1/2 x 3 1/2 | 7.5 | 13.80 |
| A72G136 | F29U | 12/11/10CT | 11 | 3000 | 4 1/2 x 3 1/2 x 3 | 5 | 9.00 |

HI-FI HIGH LEVEL OUTPUT TRANSFORMERS

Afford a standard of performance unexcelled at this price. Frequency response linear within 3 db. from 20-20,000 cycles. All units listed are mounting type A.

| Cat. No. | Type | Pri. Imp. | Sec. Imp. | Watts | Size | Wt. lbs. | Net Ea. |
|----------|-------|-----------|-----------|-------|-----------------------|----------|---------|
| A72G001 | S31A | 8000CT | 16/8/4 | 15 | 3 1/2 x 2 1/2 x 3 1/2 | 3.5 | 8.58 |
| A72G001 | S142A | 8000CT | 16/8/4 | 15 | 3 1/2 x 2 1/2 x 3 1/2 | 3.5 | 12.84 |
| A72G002 | S146A | 6000CT</ | | | | | |

A SUB-MINIATURE TRANSISTOR I.F. TRANSFORMERS—Designed for the smallest applications, $\frac{3}{8}$ " Sq. x $\frac{1}{2}$ " H. 455 KC Freq.

| Cat. No. | Type | Impedance | Use | Net |
|----------|---------|---------------|--------|------|
| A22G900 | RTC8671 | 25K-600 Ohms | Input | 2.36 |
| A22G901 | RTC8672 | 25K-1000 Ohms | Output | 2.36 |

B MINIATURE TRANSISTOR I.F. TRANSFORMERS—Have tuned primary and untuned secondary windings. Primary is tapped for use if circuits need a tap, or tap can be disregarded. Proper impedance match between primary and secondary insures best performance. $\frac{1}{2}$ " Sq. x $\frac{3}{8}$ " High. 455 KC Freq.

| Cat. No. | Type | Impedance | Net |
|----------|---------|----------------|------|
| A22G902 | RTC9083 | 10K-600 Ohms | 3.24 |
| A22G903 | RTC9084 | 10K-1000 Ohms | 3.24 |
| A22G904 | RTC9085 | 25K-600 Ohms | 2.06 |
| A22G905 | RTC9086 | 25K-1000 Ohms | 2.06 |
| A22G906 | RTC9087 | 100K-1000 Ohms | 2.36 |

C SHIELDED SUB-MINIATURE TRANSISTOR OSCILLATOR—Deluxe shielded oscillator coil for converter circuit using one transistor for both oscillator and mixer. Stancor No. RTC-9080. Max. condenser capacity 78 μ f, 455 KC—I.F. Freq. $\frac{3}{8}$ " Sq. x $\frac{1}{2}$ " High.

D UNSHIELDED MINIATURE TRANSISTOR OSCILLATORS—RTC-9079 used in a one transistor circuit. RTC-9082 used when one transistor is for oscillator and one for mixer. A RTC-9079 used with cut section var. condenser. $\frac{3}{8}$ " diam. x 1" High.

| Cat. No. | Type | Tuning Cond. Max. Capacity | I.F. Freq. | Net Ea. |
|----------|---------|----------------------------|------------|---------|
| A22G908 | RTC9079 | 365 μ f | 455 KC | 1.65 |
| A22G909 | RTC9081 | 78-100 μ f | 455 KC | 1.47 |
| A22G910 | RTC9082 | 365 μ f | 455 KC | 1.62 |

E 10.7 MC TRANSISTOR TRANSFORMERS—These I.F. transformers are designed for use with transistors in intermediate frequency stages operating at 10.7 MC. Data sheet enclosed with each type gives suggested circuit and transistor types. $\frac{3}{8}$ " Sq. x 2" H.

| Cat. No. | Type | Description | Net |
|----------|---------|-------------------------|------|
| A22G911 | RTC9047 | 10.7 MC Trans. 1st I.F. | 2.53 |
| A22G912 | RTC9048 | 10.7 MC Trans. 2nd I.F. | 2.62 |
| A22G913 | RTC9049 | 10.7 MC Trans. 3rd I.F. | 2.62 |
| A22G914 | RTC9051 | 10.7 MC Discriminator | 2.83 |



SUPEREX ANTENNA LOOPSTICKS

VARI-LOOPSTICK AM ANTENNA—Micrometer adjusts for max. efficiency on several stations. 1-hole snap-in mount.

A22G845 Superex VI Net .59

VARI-TENNA—Replaces band of wire antenna coil. Sensitivity gain 25 times.

A22G846 Superex VI Net .73

ENERGIZED FERRI-LOOPSTICK—Adds 20% gain to ferri-loopstick. Q to 350. Self-locking adjustable vinyl collar.

A22G847 Superex EPL Net .88

SUPEREX FL—Small, fixed economical installations.

A22G848 Superex FL Net .44

KING SIZE 7" LOOPSTICK—Q to 425, pulls in hard to get stations.

A22G849 Superex 7L Net 1.32

7 INCH TRANSISTOR LOOPSTICK—High Q core, adjustable winding. Match and track all variable condensers. Self-locking vinyl collar. For replacement and experimentation.

A22G850 Superex 7LRT Net 1.47

TRANSISTOR VARI-LOOPSTICKS—Designed for max. transistor set performance. Micrometer adjustment, sensitive.

SUPEREX VLT-240—For 365 or 410 μ f condenser.

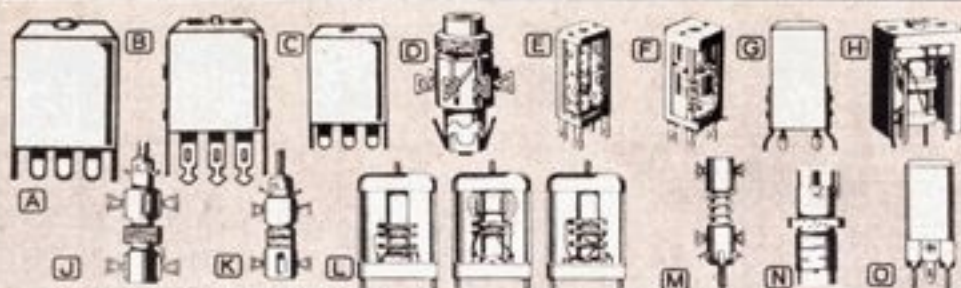
A22G851 Net .73

SUPEREX VLT-950—For any variable condenser from 75-365 μ f.

A22G852 Net .73

STANCOR Coils, Transformers

Miniature Transformers & Coils for Hobbyists
Repairmen, Buy 'em on Credit—See Page 3.



F MINIATURE I.F. TRANSFORMERS—for replacement in personal radios. Tuning top to bottom of shield, come with mtg. clips. $\frac{3}{8}$ " Sq. x 2" H. *with diode filter capacitors

| Cat. No. | Type | KC | Application | Net |
|----------|------|---------|-------------------------------|------|
| A22G915 | 8638 | 262 | Input I.F. Trans. | 1.77 |
| A22G916 | 8639 | 262 | Output I.F. Trans. | 1.77 |
| A22G917 | 8640 | 262 | Output I.F. Trans.* | 1.77 |
| A22G918 | 8632 | 455 | Input I.F. Trans. | 1.77 |
| A22G919 | 8633 | 455 | Output I.F. Trans. | 1.77 |
| A22G920 | 8634 | 455 | Output I.F. Trans. | 1.47 |
| A22G921 | 8675 | 455 | Input I.F. Bat. Radios | 1.77 |
| A22G922 | 8635 | 455 | Output I.F. Bat. Radios | 1.77 |
| A22G923 | 8636 | 455 | Input I.F. AC-DC Radios | 1.77 |
| A22G924 | 8637 | 455 | Output I.F. AC-DC Radios | 1.77 |
| A22G925 | 8676 | 455 | I.F. Trans. (IGE-RTL-143/143) | 1.47 |
| A22G926 | 8677 | 455 | Tapped Pri. I.F. Trans. | 2.21 |
| A22G927 | 8678 | 455 | Discriminator | 2.21 |
| A22G928 | 8686 | 1500 | Input or Interstage I.F. | 1.77 |
| A22G929 | 8687 | 1500 | Output I.F. Trans. | 1.77 |
| A22G930 | 8599 | 10.7 MC | Input or Interstage I.F. | 1.92 |
| A22G931 | 8665 | 10.7 MC | Discriminator | 2.21 |
| A22G932 | 9052 | 10.7 MC | Disc. 900 KC PP | 2.48 |
| A22G933 | 8600 | 10.7 MC | Ratio Det. | 2.36 |
| A22G934 | 9054 | 10.7 MC | Ratio Det. 800 KC PP | 2.60 |

G MINIATURE PRINTED CIRCUIT I.F. TRANSFORMERS—for printed circuits, new or replacement. Tuning top to bottom of shield, $\frac{3}{8}$ " Sq. x 2" H. *with diode filter capac.

| | | | | |
|---------|------|---------|--------------------------|------|
| A22G935 | 8644 | 262 | Input I.F. Trans. | 1.92 |
| A22G936 | 8685 | 262 | Output I.F. Trans. | 1.77 |
| A22G937 | 8645 | 262 | Output I.F. Trans.* | 1.92 |
| A22G938 | 8641 | 455 | Input I.F. Trans. | 1.62 |
| A22G939 | 8642 | 455 | Output I.F. Trans. | 2.59 |
| A22G940 | 8643 | 455 | Output I.F. Trans.* | 1.65 |
| A22G941 | 8681 | 455 | Input I.F. Bat. Radios | 1.77 |
| A22G942 | 8682 | 455 | Output I.F. Bat. Radios | 1.77 |
| A22G943 | 8683 | 455 | Input I.F. AC-DC Radios | 1.77 |
| A22G944 | 8684 | 455 | Output I.F. AC-DC Radios | 1.77 |
| A22G951 | 9046 | 10.7 MC | Input or Interstage | 1.92 |
| A22G952 | 9050 | 10.7 MC | Discriminator | 2.21 |
| A22G953 | 9053 | 10.7 MC | Ratio Det. | 2.21 |

H MIDGET AIR CORE AND IRON CORE I.F. TRANSFORMERS—Well suited for small receivers of all types. $1\frac{1}{8}$ " Sq. x 2" H. AIR CORE I.F. TRANSFORMERS

| Cat. No. | Type | Freq. Range | Application | Net |
|----------|------|-------------|--------------|------|
| A22G954 | 8746 | 175-165-185 | Input | 1.47 |
| A22G955 | 8747 | 175-165-185 | Interstage | 1.77 |
| A22G956 | 8748 | 175-165-185 | Full-Wave | 1.77 |
| A22G957 | 8749 | 175-165-185 | Half-Wave | 1.77 |
| A22G958 | 8651 | 262-250-275 | Input | 1.77 |
| A22G959 | 8742 | 262-250-275 | Interstage | 1.77 |
| A22G960 | 8743 | 262-250-275 | Full-Wave | 1.77 |
| A22G961 | 8744 | 262-250-275 | Half-Wave | 1.77 |
| A22G962 | 8652 | 262-250-275 | Output, Fil. | 1.77 |
| A22G963 | 8649 | 455-450-475 | Input | 1.92 |
| A22G964 | 8739 | 455-450-475 | Interstage | 1.77 |
| A22G965 | 8740 | 455-450-475 | Full-Wave | 1.77 |
| A22G966 | 8650 | 455-450-475 | Half-Wave | 1.92 |

| Cat. No. | Type | Freq. Range | Application | Net |
|----------|------|----------------|-------------|------|
| A22G971 | 8703 | 132-127-137 | Input | 2.27 |
| A22G972 | 8704 | 132-127-137 | Interstage | 2.27 |
| A22G973 | 8705 | 132-127-137 | Full-Wave | 2.27 |
| A22G974 | 8706 | 132-127-137 | Half-Wave | 2.27 |
| A22G975 | 8698 | 175-165-185 | Input | 2.06 |
| A22G976 | 8699 | 175-165-185 | Interstage | 2.06 |
| A22G977 | 8700 | 175-165-185 | Full-Wave | 2.06 |
| A22G978 | 8701 | 175-165-185 | Half-Wave | 2.06 |
| A22G979 | 8693 | 262-250-275 | Input | 2.00 |
| A22G980 | 8694 | 262-250-275 | Interstage | 2.00 |
| A22G981 | 8696 | 262-250-275 | Half-Wave | 2.00 |
| A22G982 | 8688 | 455-450-475 | Input | 2.00 |
| A22G983 | 8689 | 455-450-475 | Interstage | 2.00 |
| A22G984 | 8690 | 455-450-475 | Full-Wave | 2.00 |
| A22G985 | 8691 | 455-450-475 | Half-Wave | 2.00 |
| A22G986 | 8708 | 1500-1400-1600 | Input | 2.00 |
| A22G987 | 8709 | 1500-1400-1600 | Interstage | 2.00 |
| A22G988 | 8710 | 1500-1400-1600 | Full-Wave | 2.00 |
| A22G989 | 8711 | 1500-1400-1600 | Half-Wave | 2.00 |

J MINIATURE ADJUSTABLE R.F. COILS—Designed for replacement in broadcast band receivers. Small size and adjustable inductance make them ideal. Can be used with any variable condenser, and in all padded and unpadded oscillator circuits. Adjust to track I.F. amp. between 100 and 550 KC.

| Cat. No. | Type | Application | Dia. x Lgth. | Net |
|----------|---------|-------------|----------------------------------|------|
| A22G990 | RTC8731 | Antenna | $\frac{1}{8}$ x $1\frac{1}{2}$ " | 1.18 |
| A22G991 | RTC8732 | R.F. Stage | $\frac{1}{8}$ x $1\frac{1}{2}$ " | 1.18 |
| A22G992 | RTC8647 | Oscillator | $\frac{1}{8}$ x $1\frac{1}{2}$ " | 1.18 |
| A22G993 | RTC8646 | Oscillator | $\frac{1}{8}$ x $1\frac{1}{2}$ " | 1.18 |

K UNIVERSAL ADJUSTABLE OSCILLATOR COIL—Operates in almost any broadcast band receiver. Primary has two taps for 6 feed-back combinations. Adjustable between I.F. ranges 100-550 KC. Tracks with condensers between 250-450 μ f padded, and 100-200 μ f unpadded. R.F. range—500-1800 KC, $\frac{3}{8}$ " dia. x $1\frac{1}{2}$ " high.

A22G994, Type RTC8648 Net 1.47

L UNIVERSAL REPLACEMENT COILS—designed for use by servicemen and experimenters. Suited for use in receivers where mfr's coils are not available. Inductance adjustable—250-450 μ f. UNSHIELDED $\frac{3}{8}$ " dia. x 2" High.

| Cat. No. | Type | Application | Net |
|---|---------|---------------|------|
| A22G995 | RTC8733 | Antenna Stage | 1.77 |
| A22G996 | RTC8734 | R.F. Stage | 1.77 |
| A22G997 | RTC8735 | Oscillator | 1.62 |
| SHIELDED $1\frac{1}{8}$ x $1\frac{1}{2}$ x $2\frac{1}{2}$ " | | | |
| A22G998 | RTC8736 | Antenna Stage | 2.06 |
| A22G999 | RTC8737 | R.F. Stage | 2.06 |
| A22G400 | RTC8738 | Oscillator | 2.06 |

M F.M. ADJUSTABLE R.F. COILS—The tuning feature of these units permits compensation for differences in lead length and for capacity variations of the tuning condenser. For mounting under or above the chassis. Mounting clip for $7/16$ " hole. $\frac{3}{8}$ " O.D. x $2\frac{1}{2}$ " Length.

| | | | |
|---------|---------|------------------------------------|------|
| A22G401 | RTC9035 | 88-108 MC Antenna Coil | 1.06 |
| A22G402 | RTC9036 | 88-108 MC R.F. Coil | .89 |
| A22G403 | RTC9037 | 88-108 MC Osc. Coil (10.7 MC I.F.) | 1.12 |

N STANDARD BANK WOUND COILS—High gain secondaries and high impedance primaries make an all-round coil for experimenter and serviceman. For use with 356 μ f variable condenser. Lacquer impregnated for humid climates. Freq. range: 540-1700 KC. Dim: Shielded— $1\frac{1}{8}$ " Sq. x $2\frac{1}{2}$ " H. Unshielded— $\frac{3}{8}$ " dia. x $2\frac{1}{2}$ " H. UNSHIELDED

| | | | |
|----------|---------|-----------------|------|
| A22G404 | RTC8717 | Antenna Stage | 1.03 |
| A22G405 | RTC8718 | R.F. Stage | 1.03 |
| A22G406 | RTC8719 | Band-pass Stage | 1.03 |
| SHIELDED | | | |
| A22G407 | RTC8722 | Antenna Stage | 1.30 |
| A22G408 | RTC8723 | R.F. Stage | 1.42 |
| A22G409 | RTC8724 | Band-pass Stage | 1.30 |

O SUB-MINIATURE I.F. TRANSFORMERS—have all the desirable features of conventional size. I.F. transformers, but are smaller than a miniature tube. Offer the gain and bandwidth previously obtained only in larger units. Dim: $\frac{1}{2}$ " Sq. x $1\frac{1}{2}$ " High.

| | | | |
|---------|---------|---------------|------|
| A22G410 | RTC8673 | 455 KC Input | 1.77 |
| A22G411 | RTC8674 | 455 KC Output | 1.77 |

NORTH HILLS COILS

(A) 120 SERIES STANDARD COILS. Mical filled formed coils— $1\frac{1}{4}$ " above mounting surface. Mounts in #10 hole for RF and IF applications.

| Cat. No. | Type | μ | Net | Cat. No. | Type | μ | Net |
|----------|-------|-------|-----|----------|-------|-----------|-----|
| A22G324 | 120-A | 2-3 | .95 | A22G330 | 120-G | 64-105 | .95 |
| A22G325 | 120-B | 3-5 | | A22G331 | 120-H | 105-200 | |
| A22G326 | 120-C | 5-9 | | A22G332 | 120-I | 200-500 | |
| A22G327 | 120-D | 9-18 | | A22G333 | 120-J | 500-1000 | |
| A22G328 | 120-E | 18-46 | | A22G334 | 120-K | 1000-2000 | |
| A22G329 | 120-F | 36-64 | | | | | |

(B) PRINTED CIRCUIT P-120 SERIES: Snaps into single 0.4" hole for dip soldering. Only $1\frac{1}{4}$ " long.

| Cat. No. | Type | Nominal μ | Net | Cat. No. | Type | Nominal μ | Net |
|----------|---------|---------------|-----|----------|---------|---------------|-----|
| A22G204 | P-120-A | 2-3 | .85 | A22G210 | P-120-G | 64-105 | .85 |
| A22G205 | P-120-B | 3-5 | | A22G211 | P-120-H | 105-200 | |
| A22G206 | P-120-C | 5-9 | | A22G212 | P-120-I | 200-500 | |
| A22G207 | P-120-D | 9-18 | | A22G213 | P-120-J | 500-1000 | |
| A22G208 | P-120-E | 18-36 | | A22G214 | P-120-K | 1000-2000 | |
| A22G209 | P-120-F | 36-64 | | | | | |

(C) 1100 SERIES SUB-MINIATURE COILS: Sub-miniature coils on ceramic forms. Extend only $\frac{1}{2}$ " above mounting surface.

| Cat. No. | Type | Nom. μ | Net | Cat. No. | Type | Nom. μ | Net |
|----------|--------|------------|------|----------|--------|------------|------|
| A22G313 | 1100-A | 0.9-1.4 | 1.25 | A22G319 | 1100-G | 7.4-12.5 | 1.25 |
| A22G314 | 1100-B | 1.4-1.9 | | A22G320 | 1100-H | 12.5-18.0 | |
| A22G315 | 1100-C | 1.9-2.6 | | A22G321 | 1100-I | 18.0-28.0 | |
| A22G316 | 1100-D | 2.6-3.7 | | A22G322 | 1100-J | 28.0-38.0 | |
| A22G317 | 1100-E | 3.7-5.5 | | A22G323 | 1100-K | 38.0-55.0 | |
| A22G318 | 1100-F | 5.5-7.4 | | | | | |

(D) SE-120 SHIELDED COILS: Shielded encapsulated coils. Magnetic shielding cup— $1\frac{1}{4}$ " long—otherwise same as 120 series.

| Cat. No. | Type | Nominal μ | Net | Cat. No. | Type | Nominal μ | Net |
|----------|----------|---------------|------|----------|----------|---------------|------|
| A22G335 | SE-120-A | 2-3 | 1.25 | A22G340 | SE-120-F | 36-64 | 1.25 |
| A22G336 | SE-120-B | 3-5 | | A22G341 | SE-120-G | 64-105 | |
| A22G337 | SE-120-C | 5-9 | | A22G342 | SE-120-H | 105-200 | |
| A22G338 | SE-120-D | 9-18 | | A22G343 | SE-120-I | 200-500 | |
| A22G339 | SE-120-E | 18-36 | | A22G344 | SE-120-J | 500-1000 | |
| | | | | | | | |

(E) NORTH HILLS MINIATURE 1000 SERIES: Mounts in #10 hole. $\frac{1}{2}$ " above mounting surface. For R.F. and I.F. applications.

| Cat. No. | Part No. | Ind. μ | Net | Cat. No. | Part No. | Ind. μ | Net |
|----------|----------|------------|---------|----------|----------|------------|------|
| A22G215 | 1000-A | 1.0-1.6 | 1.25 | A22G222 | 1000-H | 29-55 | 1.25 |
| A22G216 | 1000-B | 1.6-2.7 | | A22G223 | 1000-I | 55-110 | |
| A22G217 | 1000-C | 2.7-4.5 | | A22G224 | 1000-J | 110-185 | |
| A22G218 | 1000-D | 4.5-8.5 | | A22G225 | 1000-K | 185-305 | |
| A22G219 | 1000-E | 8.5-14.5 | | A22G226 | 1000-L | 305-515 | |
| A22G220 | 1000-F | 14.5-22 | | A22G227 | 1000-M | 515-820 | |
| A22G221 | 1000-G | 22-29 | A22G228 | 1000-N | 820-1100 | | |

(F) TYPE 1300 TRANSMITTER COILS. For high-Q receiver and up to 25 watt transmitter circuits. Single $\frac{1}{4}$ " hole mounting, height and bore mounting surface $1\frac{1}{4}$ ". Ceramic form—2 extra terminals for tie points.

| Cat. No. | Type | Nominal μ | Net | Cat. No. | Type | Nominal μ | Net |
|----------|--------|--------------------------|---------|----------|-----------|---------------|------|
| A22G300 | 1300-A | For use from 900-2000 mc | 1.75 | A22G305 | 1300-F | 1.7-2.7 | 1.40 |
| A22G301 | 1300-B | For use from 40-90 mc | | A22G306 | 1300-G | 2.7-4.5 | |
| A22G302 | 1300-C | For use from 20-40 mc | 1.40 | A22G307 | 1300-H | 4.5-6.8 | |
| A22G303 | 1300-D | 0.7-1.1 | | A22G308 | 1300-I | 6.8-10.8 | |
| A22G304 | 1300-E | 1.1-1.7 | A22G309 | 1300-J | 10.8-17.0 | | |
| | | | A22G310 | 1300-K | 17.0-29.0 | | |
| | | | A22G311 | 1300-L | 29.0-45.0 | | |
| | | | A22G312 | 1300-M | 45.0-75.0 | | |

F-120 COIL FORM: Mica filled form same size as 120 series coils. For use at 0.2 mc to 30 mc. $1\frac{1}{4}$ " above mounting surface, #10 mounting hole.

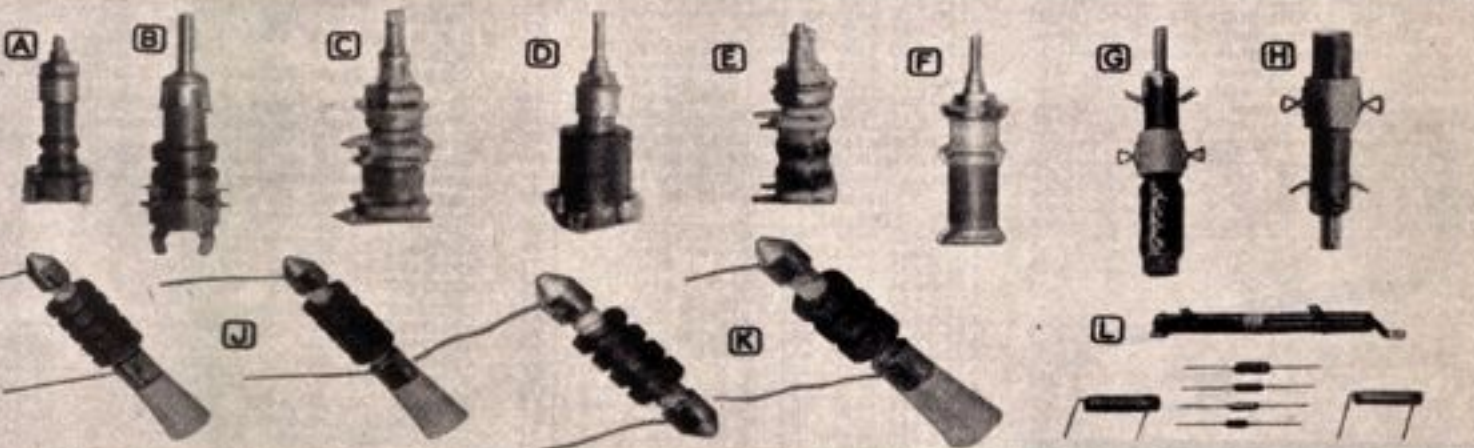
A22G238 Type F-120..... .65

S-120 SHIELD CAN: Shield can for series 120 and 1000 coils. Dimensions: $\frac{3}{8}$ " x $\frac{3}{8}$ " x $1\frac{1}{4}$ ". Made of drawn aluminum. Spade bolts for chassis mounting.

A22G244 Type S-120..... .25

F-100 COIL FORM—Ceramic coil form same size as 1000 series coils. $\frac{1}{4}$ " dia. x $\frac{3}{8}$ " long. #10 mounting hole.

A22G345 Type F-1000..... .40



CHOKES—OHMITE, NATIONAL and SUPEREX

NATIONAL R-152 TRANSMITTING CHOKE: Designed for use in transmitters in the range between 2 and 4 megacycles. Ideal for high power 80 meter applications. Inductance is 4 mh, current rating is 600 ma. $3\frac{1}{2}$ " high.

A21G222 Type R-152.....Net 2.01

NATIONAL R-514U TRANSMITTING CHOKE: Transmitting choke designed for use on the 20, 40, and 80 meter bands. Inductance 1mh. Current 600 ma.

A21G224 Type R-154U.....Net 1.61

NATIONAL R-175A TRANSMITTING CHOKE: Designed for all ham bands from 6 to 80 meters. May be used at plate voltages up to 3000 modulated or 4000 unmodulated. Inductance 145 μ h, DC current rating 800 ma.

A21G225 Type R-175A.....Net 3.56

(C) SUPEREX HIGH-RATIO VARI-CHOKES: RF chokes with inductance variation of as high as 10 to 1. Mfd. with new ferricore ferrite cores for max. inductance.

| Cat. No. | Superex | Description | Net |
|----------|---------|----------------------|------|
| A21G675 | V-2 | 40 — 250 μ h | .39 |
| A21G676 | V-5 | 150 — 750 μ h | .59 |
| A21G677 | V-6 | 0.65 — 6.0 μ h | .71 |
| A21G673 | V-25 | 5.0 — 43.0 μ h | .82 |
| A21G674 | V-60 | 30.0 — 130.0 μ h | 1.18 |
| A21G677 | V-70 | 100 — 250 μ h | 1.71 |
| A21G678 | V-80 | 0.25 — 0.5 h | 2.30 |

(H) VARIABLE COIL FORMS: Superex CCK-3; C-1, C-2, C-3, C-4, C-5. High-dielectric cosmoltite form and adjustable ferrite core with threaded stud attachment for one hole mtg.

| Cat. No. | Coil Form | Core | Net |
|----------|------------------------------------|--|-----|
| A21G666 | C-1 $\frac{1}{4}$ x $1\frac{1}{2}$ | .245 x $\frac{1}{8}$ " | .35 |
| A21G667 | C-2 $\frac{1}{4}$ x $2\frac{1}{4}$ | .245 x $1\frac{1}{2}$ " | .38 |
| A21G668 | C-3 $\frac{3}{8}$ x $1\frac{1}{2}$ | .305 x $\frac{1}{2}$ " | .38 |
| A21G659 | C-4 $\frac{1}{4}$ x $2\frac{1}{4}$ | .305 x $1\frac{1}{2}$ " | .41 |
| A21G665 | C-5 $\frac{1}{4}$ x $1\frac{1}{4}$ | $\frac{1}{4}$ " x 28 x $\frac{1}{8}$ " | .41 |

(J) NATIONAL R-100 SERIES CHOKES: Identical electrically, this series is available in a variety of mountings as follows: TYPE R-100—pigtail leads; TYPE R-100U—pigtail leads and removable standoff insulator; TYPE R-100S—copper pin lug terminals and non-removable standoff insulator; TYPE R-100ST—has 6-32 threaded stud each end.

| Cat. No. | Type | Mh | MA | Net | Cat. No. | Type | Mh | MA | Net |
|----------|---------|-----|-----|-----|----------|--------|------|----|-----|
| A21G208 | R-100 | 2.5 | 100 | .40 | A21G315 | R-100 | 5.0 | 50 | .40 |
| A21G210 | R-100U | 2.5 | 100 | .48 | A21G319 | R-100S | 5.0 | 50 | .48 |
| A21G212 | R-100S | 2.5 | 100 | .48 | A21G316 | R-100 | 10.0 | 50 | .40 |
| A21G214 | R-100ST | 2.5 | 100 | .46 | A21G320 | R-100S | 10.0 | 50 | .48 |

(K) NATIONAL R-300 SERIES CHOKES: Same size as the R-100 series but current capacity is 250 ma. Description: R-300—pigtail leads; R-300U—removable standoff insulator one end; R-300S—non-removable standoff insulator and copper pin lug terminals; R-300ST—6-32 threaded stud each end.

| Cat. No. | Type | Mh | Net | Cat. No. | Type | Mh | Net |
|----------|--------|-----|-----|----------|--------|-----|-----|
| A21G209 | R-300 | 0.5 | .44 | A21G324 | R-300 | 2.5 | .44 |
| A21G213 | R-300S | 0.5 | .48 | A21G327 | R-300U | 2.5 | .48 |
| A21G323 | R-300 | 1.0 | .44 | A21G330 | R-300S | 2.5 | .48 |
| A21G326 | R-300U | 1.0 | .48 | A21G325 | R-300 | 5.0 | .44 |
| A21G329 | R-300S | 1.0 | .48 | | | | |

(L) OHMITE RF PLATE CHOKES: Single layer. Low p-f plastic core. 1000 ma rating except Z-14 and Z-28 are 600.

| Cat. No. | Type | Mc. | Mh. | Core | Net |
|----------|-------|---------|------|-----------------------------------|------|
| A21G701 | Z-460 | 320-520 | 0.20 | $\frac{1}{2}$ x $\frac{3}{16}$ " | .29 |
| A21G702 | Z-235 | 160-350 | 0.84 | $\frac{3}{4}$ x $\frac{7}{16}$ " | .29 |
| A21G703 | Z-144 | 80-200 | 1.8 | $\frac{3}{4}$ x $\frac{3}{16}$ " | .29 |
| A21G704 | Z-50 | 35-110 | 7.0 | 1 x $\frac{3}{16}$ " | .29 |
| A21G705 | Z-28 | 20-60 | 21.0 | $1\frac{1}{4}$ x $\frac{3}{16}$ " | .47 |
| A21G706 | Z-14 | 7-35 | 44.0 | 2 x $\frac{3}{16}$ " | .53 |
| A21G718 | Z-7 | 3-20 | 84.0 | 6 x $\frac{3}{16}$ " | 1.21 |



Illumitronic Inductors

A ILLUMITRONIC ENGINEERING AIR DUX AIR WOUND COILS: Air Core inductors designed especially for prototypes of RF transmission amateur equipment. May be used for pi output circuits, conventional LC output circuits, interstage and oscillator circuits. Tinned copper wire wound on large low loss polystyrene rods.

| Cat. No. | Type | lgh. Wire of Coil | Net | Cat. No. | Type | lgh. Wire of Coil | Net |
|----------|------|-------------------|---------|----------|-------|-------------------|-----|
| A22G700 | 404 | 4 18 | .39 | A22G712 | 604 | 4 16 | .49 |
| A22G701 | 406 | 6 18 | | A22G713 | 606 | 6 18 | |
| A22G702 | 408 | 8 18 | | A22G714 | 608 | 8 18 | |
| A22G703 | 410 | 10 18 | | A22G715 | 610 | 10 18 | |
| A22G704 | 416 | 16 20 | | A22G716 | 616 | 16 20 | |
| A22G705 | 432 | 32 24 | A22G717 | 632 | 32 24 | .64 | |
| A22G706 | 504 | 4 16 | A22G718 | 804 | 4 16 | | |
| A22G707 | 506 | 6 18 | A22G719 | 806 | 6 18 | | |
| A22G708 | 508 | 8 18 | A22G720 | 808 | 8 18 | | |
| A22G709 | 510 | 10 18 | A22G721 | 810 | 10 18 | | |
| A22G710 | 516 | 16 20 | A22G722 | 816 | 16 20 | .44 | |
| A22G711 | 532 | 32 24 | A22G723 | 832 | 32 24 | | |

B B & W BALUN COIL KIT—Consists of a pair of sturdy bifilar air-wound inductors for impedance matching in both transmitters and receivers. Capable of matching 75 ohm unbalanced transmitter outputs to 75 or 300 ohm balanced feed lines. Covers the 80 through 10 meter amateur bands. 1000 watt rated.

A22G437 B & W 3976.....Net 8.95

ILLUMITRONIC PI DUX COIL ASSEMBLIES—Compact 500 and 1000 watt pi output coil assemblies. The high frequency coil sections are silver plated for high circuit efficiency. A complete technical sheet is included with each assembly.

A22G767 Type 195-1, 500 Watts.....Net 5.83

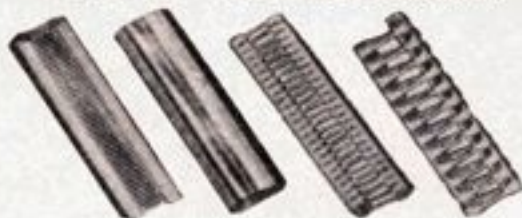
A22G768 Type 195-2, 1 KW.....Net 14.21

C ILLUMITRONIC ENGINEERING AIR DUX BALUN—For matching unbalanced coax lines on transmitters to balanced 75 or 300 Ω lines. May be used with transmitters and receivers without adjustment over frequency range of 80 to 10 meters. B2009 is the coil with hardware, MB2009 is mtg. plate. Power rating 200 W.

A22G769 Type B2009.....Net 3.30

A22G770 Type MB2009.....Net 1.91

B & W Miniductors



B & W "Miniductors" are efficient low-loss coils designed for use where space is limited. Available from 1/8" to 1" dia. Come in standard lengths readily cut to size. Each dia. comes in 4 pitches, giving the exact coil required for such uses as: tank circuit coils, rf chokes, high-frequency i-f transformers, loading coils, etc. NOTE: "Turns" per-inch.

| Cat. No. | Type | Dia. | Turns | L. | Net |
|----------|------|------|-------|----|-----|
| A21G080 | 3001 | 1/8" | 4 | 2" | .45 |
| A21G081 | 3002 | 1/8" | 8 | 2" | .45 |
| A21G082 | 3003 | 1/8" | 16 | 2" | .45 |
| A21G083 | 3004 | 1/8" | 32 | 2" | .45 |
| A21G084 | 3005 | 1/8" | 4 | 2" | .54 |
| A21G085 | 3006 | 1/8" | 8 | 2" | .54 |
| A21G086 | 3007 | 1/8" | 16 | 2" | .54 |
| A21G087 | 3008 | 1/8" | 32 | 2" | .54 |
| A21G088 | 3009 | 1/8" | 4 | 2" | .63 |
| A21G089 | 3010 | 1/8" | 8 | 2" | .63 |
| A21G090 | 3011 | 1/8" | 16 | 2" | .63 |
| A21G091 | 3012 | 1/8" | 32 | 2" | .63 |
| A21G092 | 3013 | 1/8" | 4 | 3" | .69 |
| A21G093 | 3014 | 1/8" | 8 | 3" | .69 |
| A21G094 | 3015 | 1/8" | 16 | 3" | .69 |
| A21G095 | 3016 | 1/8" | 32 | 3" | .69 |
| A22G176 | 3017 | 1/4" | 4 | 4" | .75 |
| A22G177 | 3018 | 1/4" | 8 | 4" | .75 |
| A22G178 | 3019 | 1/4" | 16 | 4" | .75 |
| A22G179 | 3020 | 1/4" | 32 | 4" | .75 |
| A22G180 | 3021 | 1/2" | 4 | 4" | .90 |
| A22G181 | 3022 | 1/2" | 8 | 4" | .90 |
| A22G182 | 3023 | 1/2" | 16 | 4" | .90 |
| A22G183 | 3024 | 1/2" | 32 | 4" | .90 |

R. L. DRAKE TV-Radio Filters



D DRAKE TV-300-HP FILTER: For all types of TV receivers to prevent interference from IF and amateur radios. Can be installed without dismantling set. Attached to back. A06B200 Drake TV-300-HP.....Net 3.57

E DRAKE LN-5 INDUCTABLE LINE FILTER: Attenuates interference from power line over wide range of frequencies. Stops interference from appliances, fluorescent lights, neon signs, etc. Installation instructions included. Rated 5A, 115V, AC-DC. A21B355 Drake LN-5.....Net 5.82

F DRAKE SHARP CUT-OFF LOW-PASS FILTERS: Two low-pass filters to readily eliminate TVI. Passes 6-160 meters, sharp cut-off between 6 meters and channel 2. Attenuates all transmitter frequencies in channel 2 and higher. Does not detune feed systems with low SWR. For 52-ohm line. Low insertion loss, easy to mount. TV-100-LP, 1000w, max. input (200 on 6 meters) SO-239 coax connectors built-in. A06B210 Drake TV-1000-LP \$2 down, Net 14.95 Above, 100 watts max. less connectors. A06B211 Drake TV-100-LP.....Net 5.95



E. F. JOHNSON Variable Capacitors

G JOHNSON TYPE "S" CAPACITORS: Equipped with DC-200 treated steatite end frame and nickel plated brass plates. Available only as "single" type; has plate spacing of .013" with peak voltage rating of 850 volts. Square mtg. studs tapped 4-40 on 17/32" ctrs.

| Cat. No. | Johnson | Cap. per Sec. Plates | | | Net | Cat. No. | Johnson | Cap. per Sec. Plates | | | Net |
|----------|---------|----------------------|------|------|------|----------|---------|----------------------|------|------|------|
| | | Max. | Min. | Sec. | | | | Max. | Min. | Sec. | |
| A188280 | 148-1 | 15 | 2.3 | 6 | 1.10 | A188283 | 148-4 | 50 | 3.2 | 19 | 1.30 |
| A188281 | 148-2 | 25 | 2.6 | 10 | 1.15 | A188284 | 148-5 | 75 | 3.9 | 29 | 1.45 |
| A188282 | 148-3 | 35 | 2.9 | 14 | 1.20 | A188285 | 148-6 | 100 | 4.5 | 38 | 1.65 |

H JOHNSON TYPE "M" CAPACITORS—Nickel plated, steatite insulator DC-200 treated. Soldered plates, over-size bearing, heavy supports for rigidity. Mtg. bushing threaded with 1/2-32 flats to stop turning. Peak voltage 1250 volts, spacing .017" except 160-130 spaced .013" rated 850V.

| | | | | | | | | | | | |
|---------|---------|------|-----|----|------|---------|---------|------|-----|----|------|
| A188601 | 160-102 | 5 | 1.5 | 5 | 1.00 | A188604 | 160-110 | 19.6 | 2.7 | 21 | 1.35 |
| A188602 | 160-104 | 8.7 | 1.8 | 9 | 1.05 | A188613 | 160-130 | 32 | 3 | 28 | 1.40 |
| A188603 | 160-107 | 14.2 | 2.3 | 15 | 1.20 | | | | | | |

J JOHNSON TYPE "R" CAPACITORS—Steatite, and soldered .023" thick brass plates, all metal parts are heavily nickel plated for corrosion resistance. Double bearing construction and silver plated beryllium copper wiping contacts. Plate spacing .024", bearing 1/4"-32.

| | | | | | | | | | | | |
|---------|-------|----|-----|---|------|---------|-------|-----|------|----|------|
| A188286 | 149-1 | 20 | 5 | 3 | 2.25 | A188289 | 149-4 | 80 | 8 | 11 | 2.60 |
| A188287 | 149-2 | 35 | 6 | 5 | 2.35 | A188290 | 149-5 | 102 | 8.5 | 14 | 2.75 |
| A188288 | 149-3 | 50 | 6.5 | 7 | 2.45 | A188291 | 149-6 | 140 | 13.5 | 19 | 2.95 |

JOHNSON TYPE "L" CAPACITORS—Plate spacing .03" rated 1500 volts. Ideal for high stability and strength applications.

SINGLE SECTION

| SINGLE END PLATE | | | | | DOUBLE END PLATE | | | | | | |
|------------------|-------|----|-----|----|------------------|--------------|--------|-----|------|----|------|
| A188265 | 167-1 | 11 | 2.8 | 3 | 1.60 | A188269 | 167-11 | 99 | 6.8 | 25 | 3.30 |
| A188266 | 167-2 | 27 | 3.5 | 7 | 1.70 | A188270 | 167-12 | 202 | 11.6 | 51 | 4.20 |
| A188267 | 167-3 | 51 | 4.6 | 13 | 1.90 | DUAL SECTION | | | | | |
| A188268 | 167-4 | 75 | 5.7 | 19 | 2.10 | A188277 | 167-51 | 27 | 5.0 | 7 | 3.60 |
| | | | | | | A188278 | 167-52 | 51 | 6.5 | 13 | 4.05 |
| | | | | | | A188279 | 167-53 | 99 | 9.8 | 25 | 4.95 |

HAMMARLUND

Variable Capacitors



Hammarlund Trimmers

A HAMMARLUND APC TRIMMER CAPACITORS—Miniature air dielectric trimmer. Silicone treated steatite insulation. Straight line capacity. Air gap .015", tested at 600 Volts rms 60 cycles. Screwdriver or socket wrench adjustment.

| Cat. No. | Type | Max. | Min. | Size | Net |
|----------|---------|------|------|---------|------|
| A188300 | APC-25 | 25 | 3.0 | 3/16" | 1.35 |
| A188301 | APC-50 | 50 | 3.9 | 1/2" | 1.55 |
| A188302 | APC-75 | 75 | 4.6 | 13/16" | 1.70 |
| A188303 | APC-100 | 100 | 5.5 | 7/8" | 1.85 |
| A188304 | APC-140 | 140 | 6.7 | 1 1/16" | 2.15 |

HAMMARLUND APC-C LOCKING SHAFT TRIMMERS—As above but with locking shaft. 1 1/2" extension from mounting.

| | | | | | |
|---------|-----------|-----|-----|---------|------|
| A188377 | APC-25-C | 25 | 3.0 | 3/16" | 1.75 |
| A188378 | APC-50-C | 50 | 3.9 | 1/2" | 1.95 |
| A188379 | APC-75-C | 75 | 4.6 | 13/16" | 2.10 |
| A188380 | APC-100-C | 100 | 5.5 | 7/8" | 2.25 |
| A188381 | APC-140-C | 140 | 6.7 | 1 1/16" | 2.55 |

HAMMARLUND MAPC MINIATURE TRIMMERS—Scaled down "APC" construction. 0.0135 air gap tested at 600 volts rms. An MAPC is about half the weight and size of an "APC."

| | | | | | |
|---------|----------|-----|-----|-------|------|
| A188305 | MAPC-15 | 15 | 2.3 | 1/16" | 1.10 |
| A188306 | MAPC-25 | 25 | 2.6 | 3/16" | 1.15 |
| A188307 | MAPC-35 | 35 | 2.9 | 1/8" | 1.20 |
| A188308 | MAPC-50 | 50 | 3.2 | 3/16" | 1.30 |
| A188310 | MAPC-100 | 100 | 4.5 | 1/4" | 1.65 |

HAMMARLUND MAPC-B EXTENDED SHAFT TRIMMERS—As above but with 1/2" shaft.

| | | | | | |
|---------|-----------|----|-----|-------|------|
| A188382 | MAPC-15-B | 15 | 2.3 | 1/16" | 1.35 |
| A188384 | MAPC-35-B | 25 | 2.6 | 3/16" | 1.45 |
| A188385 | MAPC-50-B | 35 | 2.9 | 1/8" | 1.55 |
| A188386 | MAPC-75-B | 50 | 3.2 | 3/16" | 1.70 |

El Menco Variables

B 46 MICA TRIMMER CONDENSER—Ceramic base with India ruby mica. Treated for humidity-resistance and permanence of capacity setting $\pm 2\frac{1}{2}$ turns. Size: 3/8" x 3/8".

| Cat. No. | Plates | Closed $\mu\text{f.}$ | Open* $\mu\text{f.}$ | Net |
|----------|--------|-----------------------|----------------------|-----|
| A198001 | 9 | 760 | 170 | .50 |
| A198002 | 8 | 690 | 140 | .47 |
| A198003 | 7 | 580 | 110 | .44 |
| A198004 | 6 | 480 | 80 | .38 |
| A198005 | 5 | 380 | 50 | .35 |
| A198006 | 4 | 290 | 25 | .32 |
| A198007 | 3 | 180 | 9 | .29 |
| A198008 | 1 1/2 | 80 | 5 | .26 |
| A198009 | 1 1/4 | 7 | 2.7 | .23 |
| A198010 | 1 1/2 | 15 | 1.5 | .23 |

TYPE 30 PADDER

| Cat. No. | El Menco Type | Plates | Closed $\mu\text{f.}$ | 2 turns Open | Net |
|----------|---------------|--------|-----------------------|--------------|------|
| A198014 | 306 | 6 | 970 | 275 | .65 |
| A198015 | 305 | 5 | 750 | 190 | .59 |
| A198016 | 304 | 4 | 550 | 100 | .47 |
| A198017 | 303 | 3 | 340 | 65 | .41 |
| A198018 | 302 | 2 | 130 | 15 | .38 |
| A198019 | 307 | 7 | 1180 | 350 | .65 |
| A198020 | 308 | 8 | 1390 | 450 | .68 |
| A198021 | 309 | 9 | 1600 | 550 | .73 |
| A198022 | 310 | 10 | 1890 | 650 | .79 |
| A198023 | 311 | 11 | 2110 | 780 | .85 |
| A198024 | 312 | 12 | 2330 | 880 | .91 |
| A198025 | 313 | 13 | 2605 | 1150 | .97 |
| A198026 | 314 | 14 | 2830 | 1300 | 1.03 |
| A198027 | 315 | 15 | 3055 | 1400 | 1.09 |

C MC, MCD MIDGET CAPACITORS—Type MC—single section tuning capacitor. MC-X wide-space for high voltages. MCD is split-stator, panel-mounted unit with all MC features. Single-spaced types 0.0256" air gap; wide-spaced X types 0.0715". Dimension A for all MC units is distance between mtg. centers; MCD has single-hole panel mtg. length back of panel 3 1/16". Final letter M—midline plates; S—straightline plates; X—wide spaced.

MIDGETS

| Cat. No. | Type | Max. | Min. | Net |
|----------|----------|------|------|------|
| A188342 | MC-20-S | 20 | 5.5 | 1.78 |
| A188345 | MC-50-S | 50 | 6.5 | 2.43 |
| A188348 | MC-100-M | 100 | 7.7 | 2.65 |
| A188349 | MC-100-S | 100 | 8.3 | 2.65 |
| A188350 | MC-140-M | 140 | 9.0 | 2.72 |
| A188351 | MC-140-S | 140 | 10.0 | 2.72 |
| A188352 | MC-200-M | 200 | 10.3 | 2.94 |
| A188353 | MC-250-M | 250 | 12.0 | 3.38 |
| A188354 | MC-325-M | 320 | 13.5 | 3.67 |

DUAL

| | | | | |
|---------|-----------|-----|-----|------|
| A188361 | MCD-50-M | 50 | 5.5 | 4.44 |
| A188362 | MCD-100-M | 100 | 6.3 | 4.89 |
| A188364 | MCD-140-M | 140 | 7.0 | 5.28 |

DOUBLE SPACED

| | | | | |
|---------|-----------|----|-----|------|
| A188366 | MCD-35-SX | 31 | 6.8 | 4.62 |
|---------|-----------|----|-----|------|

RMC CAPACITORS

Straight line capacity, air gap .0245" nominal; tested at 1000V rms.

| Cat. No. | Type | Max. | Min. | Net |
|----------|-----------|-------|------|------|
| A188368 | RMC-100-S | 105 | 9.5 | 5.15 |
| A188369 | RMC-140-S | 143.5 | 11.0 | 5.39 |
| A188370 | RMC-325-S | 327 | 17.5 | 6.23 |



MILLER Variable Capacitors

F MINIATURE VARIABLE CONDENSERS—The antenna section of this 2-gang variable condenser has a range of 10-130 $\mu\text{f.}$. The oscillator section has a range of 10-78 $\mu\text{f.}$. Trimmer capacitors are self-contained and have a range of approximately 12 $\mu\text{f.}$. Tapped mounting holes provided on front of condenser. Counter-clockwise rotation. Shaft—3/8" in dia. x 1 1/2" long. Cat. No. A188202 is a standard size 2-gang condenser with a 10-365 $\mu\text{f.}$ range.

| Cat. No. | Type | Sections | Size | Net |
|----------|------|----------|--------------------------|------|
| A188201 | 2110 | 2 | 1 1/2" x 1 1/2" x 1 1/2" | 1.98 |
| A188202 | 2112 | 2 | 2 1/2" x 1 1/2" x 1 1/2" | 2.40 |

G FM VARIABLE CONDENSER—This 3-gang tuning condenser is rigidly constructed with widely spaced plates to avoid microphonics. To insure highest frequency stability, it is recommended to remove mica compression trimmer plates on all three or at least on the oscillator section, and to use ceramic trimmers of suitable value. (3-12 $\mu\text{f.}$) Condensers supplied with a 3/8" shaft. Range—5.5-23 $\mu\text{f.}$

A188200, Miller 1461 Net 3.60

D HF (SINGLE), HFD (DUAL) CAPACITORS—Silicone treated steatite insulation; single hole or base mounting; straight line capacity. Single-spaced types 0.015" air gap tested at 600V rms, 60 cycles. Wide-spaced have 0.045" air gap tested 1400V rms, 60 cy.

| Cat. No. | Type* | Max. | Min. | Inches | Net |
|----------|----------|------|------|---------|------|
| A188311 | HF-15 | 17.5 | 2.8 | 1 1/4" | 1.50 |
| A188312 | HF-35 | 36 | 3.2 | 3/4" | 1.70 |
| A188313 | HF-50 | 52 | 3.7 | 1/2" | 1.80 |
| A188314 | HF-100 | 102 | 5.3 | 3/4" | 2.10 |
| A188315 | HF-140 | 142 | 6.3 | 1 1/16" | 2.50 |
| A188316 | HF-15-X | 15 | 3.6 | 7/16" | 1.80 |
| A188319 | HFD-100 | 102 | 5.0 | 2 1/4" | 4.75 |
| A188320 | HFD-140 | 142 | 6.0 | 2 1/4" | 5.55 |
| A188321 | HFD-15-X | 16 | 3.8 | 2 1/4" | 4.15 |
| A188322 | HFD-30-X | 28.5 | 5.0 | 2 1/4" | 4.75 |

*Note: D—dual X—wide spaced.

E HFA CAPACITORS—Straight line capacitor has insulated shaft extension to protect against high voltage, balanced rotor. For high frequency low power transmitters. Explanation of type numbers: HFA—where final letter is "A"—800V rms, "B"—1200V rms.

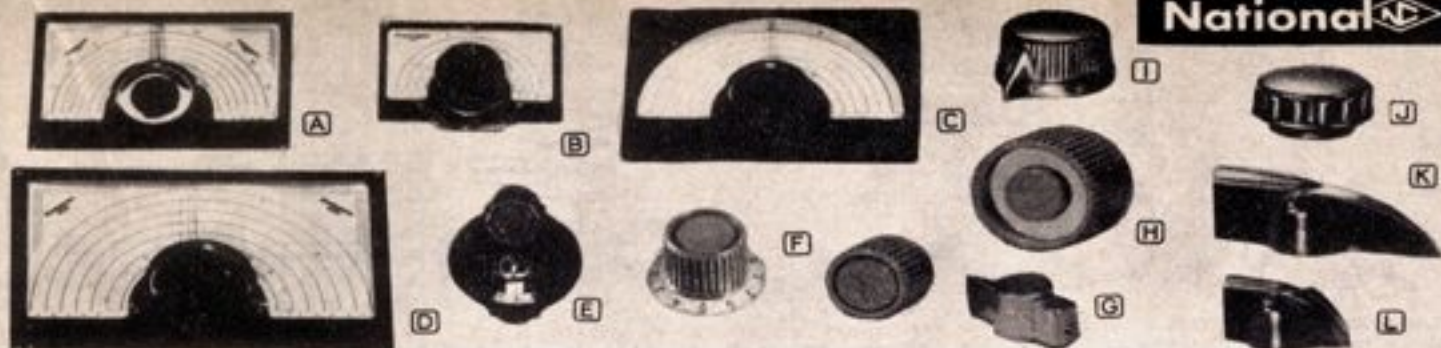
| Cat. No. | Type | Max. $\mu\text{f.}$ | Min. | Net |
|----------|-----------|---------------------|------|------|
| A188330 | HFA-100-A | 102 | 4.5 | 2.60 |
| A188331 | HFA-140-A | 145 | 6.0 | 3.10 |
| A188333 | HFA-15-B | 16 | 2.8 | 2.20 |
| A188335 | HFA-50-B | 50 | 4.3 | 2.50 |
| A188336 | HFA-100-B | 100 | 7.5 | 3.30 |

H MIDGET VARIABLE CONDENSERS—Can be used in the construction of portable and compact receivers of all types. High frequency trimmers are provided on the short side of the condenser. Mounting is provided by tapped holes in the frame. Maximum rotor swing is 1". Counter-clockwise rotation for capacity increase. 3/8" shaft. Capacity range—10 to 365 $\mu\text{f.}$

| Cat. No. | Type | Sections | Size | Net |
|----------|------|----------|--------------------------|------|
| A188203 | 2111 | 1 | 1 1/2" x 1 1/2" x 1 1/2" | 1.95 |
| A188204 | 2113 | 3 | 3 1/2" x 1 1/2" x 1 1/2" | 3.30 |

J MILLER TRIMMER CONDENSERS—Ideal for trimming the high frequency end of multi-band circuits, these trimmers are available in single to quadruple section types. Ceramic insulation and mica plate spacer insure low-loss operation. The dimensions per section are 3/8" wide by 3/8" long. Terminals are plated for easy soldering.

| Cat. No. | Type | Range $\mu\text{f.}$ | No. of Sections | Net |
|----------|------|----------------------|-----------------|-----|
| A188205 | MA-1 | 3-40 | 1 | .27 |
| A188206 | MA-2 | 3-40 | 2 | .42 |
| A188207 | MA-3 | 3-40 | 3 | .63 |
| A188208 | MA-4 | 3-40 | 4 | .81 |



NATIONAL KNOBS, DIALS

A TYPE SCN DIAL—Provides the same dial scales as in the ACN Dial, but in a reduced size. Well suited for limited panel-mounting space or where a smaller dial would be out of proportion with the size of the panel. The original "Velvet Vernier" drive, smoothness, sensitivity and ease of operation, is employed on the SCN.

A00J172.....Net **6.47**

B TYPE MCN DIAL—A scaled-down model ideally suited for mobile installations, small converters and tuners. It may also be mounted on the standard $3\frac{1}{2}$ " rack panel. Provides three calibrating scales and 180° 0-100 logging scale. $2\frac{1}{2}$ "x $3\frac{1}{2}$ ".

A00J171.....Net **3.99**

C TYPE ICN ILLUMINATED DIAL—Two dial lights mounted on the top corners of the dial provide efficient and even illumination for all bands. The dial window has been blanked out in semi-circular shape to prevent shadow casting. $5\frac{1}{4}$ "x $7\frac{1}{4}$ ".

A00J173.....Net **6.90**

D TYPE ACN DIAL—The original individually calibrated dial for those experimenters who "build their own" and desire direct calibration. A completely modern and functional dial featuring great tuning precision and high legibility, also a distinctive addition to any panel layout. Bezel size 3 "x $7\frac{1}{4}$ " 5 blank, one 180° scale, velvet vernier.

A00J170.....Net **7.04**

E TYPE B DIAL—Four-inch diameter dial with smooth variable ratio drive—6 to 1 min., 20 to 1 max. Fits $\frac{1}{4}$ " shaft. Black Bakelite. Specify scale 1 or 5.

Type BM DIAL, smaller version (3 " dia.) of B dial above, with fixed ratio drive. Fits $\frac{1}{4}$ " shaft. Specify scale 1 or scale 5.

| Cat. No. | Type | Scale | Net |
|----------|------|-------|------|
| A00J175 | B | 1 | 8.07 |
| A00J195 | BM | 1 | 4.88 |
| A00J580 | BM | 5 | 4.64 |

TYPE O DIAL— $3\frac{1}{2}$ " nickel-silver scale insulated from hub. Type HRK knob. Metal brush grounds scale; mounts directly on $\frac{1}{4}$ " shaft. Scale 2 only.

A00J190.....Net **2.85**

TYPE AM DIAL—Original "velvet vernier" mechanism in metal skirted 3 " diameter dial, ratio 5 to 1. Fits $\frac{1}{4}$ " shaft. Specify scale 2, 3, 5.

| Cat. No. | Scale | Net |
|----------|-------|------|
| A00J566 | 2 | 3.93 |
| A00J567 | 3 | 3.93 |
| A00J569 | 5 | 3.93 |

TYPE N DIAL—Four-inch dial with decimal vernier, 5 to 1 planetary drive contained within body of dial. Fits $\frac{1}{4}$ " shaft.

A00J174 Scale 2.....Net **7.50**

| DIAL SCALE DESCRIPTION | | | |
|------------------------|---------|----------|-------------------|
| Scale | Divs. | Rotation | Direction |
| 1 | 0-100-0 | 180° | Either |
| 2 | 0-100 | 180° | Counter Clockwise |
| 3 | 100-0 | 180° | Clockwise |
| 4 | 180-0 | 270° | Clockwise |
| 5 | 200-0 | 360° | Clockwise |
| 6 | 0-150 | 270° | Counter Clockwise |

F TYPE HRS KNOB—These all have easy-grip knurling and are molded of high quality plastic in grey. All HRS knobs are $1\frac{1}{16}$ " in overall diameter, with chrome-plated bevel skirts for added attractiveness. Depressed numerals are black enameled on chrome plate for added visibility. They enhance the appearance of any panel layout. Knobs are designed to fit $\frac{1}{4}$ " shafts.

HRS-3—Numbered 0-10 through arc of 300°.

A00J184 HRS-3.....Net **.58**

A00J180 HRS-4 Single etched line.....Net **.58**

HRS-5—Numbered 0-10, like HRS-3, except the arc is only 180° clockwise.

A00J581 HRS-5.....Net **.58**

HR knob without chrome skirt, has white dot for settings.

A00J185 HR.....Net **.38**

G NATIONAL HRB ZINC ALLOY KNOB—For bandswitching or other operations where a switch is turned to several index positions.

A00J186.....Net **.52**

TYPE HRP-P BAKELITE KNOB—Black, $1\frac{1}{4}$ " long, $\frac{1}{2}$ " wide, $\frac{1}{4}$ " shaft.

A00J188 With Pointer.....Net **.28**

A00J189 HRP (less pointer).....Net **.21**

TYPE HRT KNOBS—A new light gray plastic knob with chrome trim. $2\frac{1}{2}$ " diam., fits $\frac{1}{4}$ " shaft.

A00J181.....Net **.86**

H Type HRT-M, as above but $1\frac{1}{16}$ " diam.

A00J192.....Net **.59**

TYPE R KNOB— $1\frac{1}{8}$ " diam. dial with black knob. Silver 0-10 in 180° clockwise; $\frac{1}{4}$ " shaft.

A00J187.....Net **.69**

NATIONAL PW PRECISION DRIVES—For smooth, precise control and high re-set accuracy. Micrometer dial reads direct to 1 part in 500. 10 revolutions covers tuning range; 20 to 1 ratio worm gear. Individually insulated rotors, brush contacts. Steatite stator insulation.

TYPE NPW-O—Drive shaft perpendicular to panel. With flexible steatite coupling to fit $\frac{1}{4}$ " shaft. Less capacitor.

A18B009.....Net **20.45**

NATIONAL PW-D MICROMETER DIAL—Used on numerous National variable condensers and drive mechanisms. The PW-D dial revolves ten times in covering the complete range. Dial is $4\frac{1}{16}$ " in overall diameter, and $1\frac{1}{16}$ " overall from face of knob to back of dial. Fits $\frac{1}{16}$ " shaft.

A18B008 PW-D.....Net **6.81**

TYPE RAD RIGHT ANGLE DRIVE—Sturdy right angle drive with die cast zinc housing, gears. Ideal for ganging condensers, potentiometers, other parts.

A00J582 National RAD.....Net **4.31**

NATIONAL TYPE CFA CHART FRAME— $2\frac{1}{4}$ " x $3\frac{1}{4}$ " with clear celluloid to cover chart.

A00J200.....Net **.40**

Waldom Dial Plates and Knobs

BLACK WALDOM BAKELITE KNOBS—With set screws. Fit standard $\frac{1}{4}$ " shaft.

| Cat. No. | Type | Fig. Dia. | Eq. | 10 for |
|----------|----------|-------------------|-----|--------|
| A00J630 | WA1400 | 1 $\frac{3}{8}$ " | .08 | .72 |
| A00J635 | WA2965AH | 1 $\frac{3}{8}$ " | .19 | 1.70 |

BLACK WALDOM BAR KNOBS—Set screw for $\frac{1}{4}$ " shaft. *Brass insert.

| Cat. No. | Type | Size | Fig. | Net |
|----------|--------|-------------------|------|-----|
| A00J244 | 2350A* | 2" | K | .25 |
| A00J245 | 2350 | 2" | K | .20 |
| A00J246 | 2300 | 1 $\frac{1}{4}$ " | L | .12 |
| A00J247 | 2300A* | 1 $\frac{1}{4}$ " | L | .17 |

J FLUTED KNOBS—Black Bakelite; metal inserts for $\frac{1}{4}$ " shafts.

| Pointer Type | | | Less Pointer | | |
|--------------|-------------------|------|--------------|-------------------|-----|
| Cat. No. | Diam. | Net | Cat. No. | Diam. | Net |
| A00J248 | 1 $\frac{1}{2}$ " | .48 | A00J251 | 1 $\frac{1}{2}$ " | .36 |
| A00J297 | 1 $\frac{1}{2}$ " | .80 | A00J298 | 1 $\frac{1}{2}$ " | .39 |
| A00J249 | 1 $\frac{1}{2}$ " | .81 | A00J252 | 1 $\frac{1}{2}$ " | .45 |
| A00J250 | 2 $\frac{1}{2}$ " | 1.17 | A00J253 | 2 $\frac{1}{2}$ " | .60 |

SKIRTED TYPE

| | | | | | |
|---------|-------------------|-----|---------|-------------------|-----|
| A00J299 | 1 $\frac{1}{2}$ " | .51 | A00J254 | 2 $\frac{1}{4}$ " | .66 |
| A00J300 | 1 $\frac{1}{2}$ " | .51 | A00J255 | 3" | .85 |

RADIO-TV KNOBS FOR $\frac{1}{4}$ " New gold-plated metal insert. Walnut tenite.

| Cat. No. | Geo-Lor | Shaft | Dia. | List | Net |
|----------|---------|--------|-------------------|------|-----|
| A00J511 | 1540 | Knurl | 2 $\frac{1}{2}$ " | .50 | .29 |
| A00J512 | 1541 | Knurl | 1 $\frac{1}{2}$ " | .40 | .24 |
| A00J513 | 1541-S | Spring | 1 $\frac{1}{2}$ " | .40 | .26 |
| A00J514 | 1542 | Knurl | 1 $\frac{1}{2}$ " | .38 | .22 |
| A00J515 | 1542-S | Spring | 1 $\frac{1}{2}$ " | .40 | .24 |
| A00J516 | 1543 | Knurl | 1 $\frac{1}{2}$ " | .35 | .21 |
| A00J517 | 1543-S | Spring | 1 $\frac{1}{2}$ " | .40 | .24 |

WALDOM DIAL PLATES

DIAL PLATES KD-1 AND KD-2 are furnished with single line indicators. All others have spring mounted vernier indicators for accurate reading to one tenth of each dial division.

| Cat. No. | Waldom | Markings | Dia. | Net |
|----------|--------|----------|-------------------|------|
| A00J543 | KD1 | 180° | 1 $\frac{1}{2}$ " | 1.05 |
| A00J544 | KD2 | 270° | 1 $\frac{1}{2}$ " | 1.05 |
| A00J560 | KD3 | 180° | 2 $\frac{1}{2}$ " | 2.20 |
| A00J561 | KD4 | 270° | 2 $\frac{1}{2}$ " | 2.20 |
| A00J562 | KD5 | 360° | 2 $\frac{1}{2}$ " | 2.20 |
| A00J563 | KD6 | 180° | 4" | 2.54 |
| A00J564 | KD7 | 270° | 4" | 2.54 |
| A00J565 | KD8 | 360° | 4" | 2.54 |

CRONAME ALUMINUM DIAL PLATES— $2\frac{1}{16}$ " high x $2\frac{1}{8}$ " wide.

| Cat. No. | Type | Title | Col. | Net |
|----------|------|------------|-------|-----|
| A00J256 | 410 | — | 0-10 | .49 |
| A00J261 | 415 | Microphone | 0-10 | |
| A00J265 | 423 | Increase | Arrow | |
| A00J268 | 426 | Volume | 0-10 | |
| A00J270 | 428 | Bass | 5-0-5 | |
| A00J271 | 429 | Treble | 5-0-5 | |

1 $\frac{1}{4}$ " Dia. Round Aluminum Control Plates—Black background.

| Cat. No. | Type | Title | Net |
|----------|------|------------------|-----|
| A00J279 | 25 | Volume | .36 |
| A00J281 | 26 | Off-Tone Control | .36 |
| A00J282 | 569 | 0-100 thru 180° | .36 |
| A00J283 | 905 | 0-100 thru 270° | .27 |



THRU-PANEL INSULATORS — High breakdown rating. Flat mounting surfaces with cushion washer.

STEATITE

| Cat. No. | Type | Igth. of Hole | Mtg. Dia. | W. | Hdwe. | Net |
|----------|----------|---------------|-----------|-------|--------------|-----|
| A27D025 | 135-40 | 1 1/4 | 7/16 | 1 1/4 | 10-32 | .35 |
| A27D026 | 135-40-2 | 1 1/4 | 7/16 | 1 1/4 | 108-740 Jack | .45 |
| A27D027 | 135-42 | 1 1/4 | 7/16 | 1 1/4 | 10-32 | .35 |
| A27D028 | 135-42-2 | 1 1/4 | 7/16 | 1 1/4 | 108-740 Jack | .45 |
| A27D029 | 135-44 | 1 1/4 | 7/16 | 1 1/4 | 6-32 | .27 |

PORCELAIN

| | | | | | | |
|---------|--------|-------|-------|-------|---------|------|
| A27D030 | 135-45 | 2 1/4 | 1 1/4 | 1 1/4 | 10-32 | .47 |
| A27D032 | 135-46 | 3 1/4 | 1 1/4 | 1 1/4 | 1/4"-20 | 1.30 |
| A27D034 | 136-47 | 6 | 7/16 | 2 1/4 | 1/4"-20 | 1.85 |
| A27D036 | 135-48 | 2 1/4 | 1 1/4 | 1 1/4 | 10-32 | .70 |

[A] ANTENNA STRAIN INSULATORS—Numbers 136-107 and 136-112 are wet process, glazed porcelain, 1" diameter round. Number 136-104 is dry process; glazed 3/4" square. The 136-32 is a compression type strain insulator for aircraft or guy wire applications, dry process, glazed porcelain.

| Cat. No. | Type | Breaking Strength | Overall Length | Net |
|----------|---------|-------------------|----------------|------|
| A27D050 | 136-104 | 400 lbs. | 4" | .26 |
| A27D051 | 136-107 | 800 lbs. | 7" | 1.18 |
| A27D052 | 136-112 | 800 lbs. | 12" | 1.25 |
| A27D053 | 136-32 | | 1 1/2" | .12 |

[B] FEEDER INSULATORS — Conventional spreaders for open-wire antenna feeders and transmission lines. Silicone impregnated, moisture resistant porcelain. 3/8"x1/2" cross section. 136-122 notched for 1 1/2" spacing.

| Cat. No. | Type | Length | Fig. | Net |
|----------|---------|--------|------|-----|
| A27D043 | 136-122 | 2" | B | .17 |
| A27D044 | 136-124 | 4" | Q | .24 |
| A27D045 | 136-126 | 6" | Q | .32 |

[C] STEATITE CONE INSULATORS — Deep threads tapped into the ceramic. Complete with nickel plated screws, washers and cork washer.

| Cat. No. | Type | H. | W. or W. at Btm. | Top | Hdwe. | Net |
|----------|---------|--------|------------------|--------|-------|------|
| A27D038 | 135-500 | 3/4" | 3/8" | 5/8" | 6-32 | .23 |
| A27D039 | 135-501 | 1" | 3/4" | 1 1/2" | 8-32 | .31 |
| A27D040 | 135-502 | 1 1/2" | 1" | 1 1/2" | 8-32 | .51 |
| A27D041 | 135-503 | 2" | 1 1/2" | 2" | 10-32 | .71 |
| A27D042 | 135-504 | 3" | 1 1/2" | 2 1/2" | 10-32 | 1.20 |

[D] STEATITE STAND-OFF INSULATORS — Strong, economical. Large mtg. surface. 2-hole mtg. permits large lateral loads.

| Cat. No. | Type | H. | W. | Hardware | Net |
|----------|----------|--------|--------|--------------|-----|
| A27D001 | 135-20 | 1 1/4" | 1 1/4" | 10-32 | .25 |
| A27D003 | 135-22 | 1" | 1 1/2" | 8-32 | .19 |
| A27D004 | 135-22-2 | 1" | 1 1/2" | 108-740 Jack | .23 |

PORCELAIN STAND-OFF INSULATORS — Ribbed insulators with square mtg. bases and 4 mtg. holes. Porcelain dense molded and glazed except mtg. surfaces. Types 135-60 and 135-62. Surface mtg. porcelain insulators with drawn etched aluminum bases. Models 135-65 and 68 are ribbed, 135-66 and 67 are smooth.

| | | | | | |
|---------|--------|--------|--------|---------|-----|
| A27D005 | 135-60 | 4 1/2" | 2 1/2" | 1/4"-20 | .98 |
| A27D006 | 135-62 | 2 3/4" | 1 1/2" | 1/4"-20 | .60 |
| A27D007 | 135-65 | 1 1/2" | 1 1/2" | 10-32 | .30 |
| A27D010 | 135-66 | 2 1/4" | 1 1/2" | 1/4"-20 | .87 |
| A27D013 | 135-67 | 4 1/2" | 2 1/2" | 1/4"-20 | .98 |
| A27D016 | 135-68 | 2" | 1 1/2" | 10-32 | .46 |

[E] SHAFT LOCKS—Brass, nickel plated. For 1/4" shaft. No. 181 is thumb type. A00J030 Type 181 Net .24 A00J035 Type 182 Net .33

[F] COUPLINGS — Brass and insulated with two set screws for 1/4" shaft.

| Cat. No. | Type | A | B | Material | Net |
|----------|------|------|------|------------|-----|
| A00J720 | 120 | 1/4" | 1/4" | Brass N.P. | .18 |
| A00J726 | 140 | 1/4" | 1/4" | Fibre | .15 |
| A00J722 | 131 | 3/8" | 1/4" | Brass N.P. | .16 |
| A02J757 | 141 | 3/8" | 1/4" | Fibre | .15 |
| A00J721 | 133 | 3/8" | 3/8" | Brass N.P. | .16 |
| A02J758 | 142 | 3/8" | 3/8" | Fibre | .15 |

EXTENDERS—Brass and insulated. For 1/4" shaft.

[G] LONG SHAFT TYPE—1 1/4" shank.

| Cat. No. | Type | A | B | Material | Net |
|----------|------|------|------|------------|-----|
| A00J723 | 150 | 1/4" | 1/4" | Brass N.P. | .20 |
| A00J729 | 130 | 1/4" | 1/4" | Fibre | .20 |
| A02J754 | 132 | 3/8" | 1/4" | Brass N.P. | .20 |
| A02J755 | 134 | 3/8" | 1/4" | Fibre | .20 |

[H] SHORT SHAFT TYPE—1/2" shank.

| | | | | | |
|---------|-----|------|------|------------|-----|
| A02J751 | 160 | 1/4" | 1/4" | Brass N.P. | .18 |
| A02J752 | 161 | 1/4" | 1/4" | Fibre | .18 |
| A02J773 | 162 | 3/8" | 1/4" | Brass N.P. | .18 |
| A02J754 | 163 | 3/8" | 1/4" | Fibre | .18 |

[J] PANEL BEARING ASSEMBLY—Uses the standard #119 panel bearing. Nickel plated overall. For 1/4" shaft.

A02J769 Type 148. Length 3"... Net .33

A02J770 Type 149. Length 6"... Net .39

[K] FLEXIBLE SHAFTS—High quality phosphor bronze non-magnetic, non-rusting flexible shaft. Remote control when necessary to mount condensers and potentiometers away from panel at unusual angles. Turns at any angle up to 90°; free from backlash.

| Cat. No. | Type | Size | Description | Net |
|----------|------|--------|-------------------|------|
| A02J759 | 151 | 3" | With 1/4" hub | .44 |
| A02J760 | 152 | 6" | With 1/4" hub | .59 |
| A02J761 | 153 | 3 1/2" | With 1/4" coupler | .88 |
| A02J762 | 154 | 6 1/2" | With 1/4" coupler | 1.03 |

MINIATURE SHAFT ACCESSORIES

[L] MINIATURE SHAFT LOCK #183—Brass, nickel plated for 1/4" shafts. A00J036 Net .24

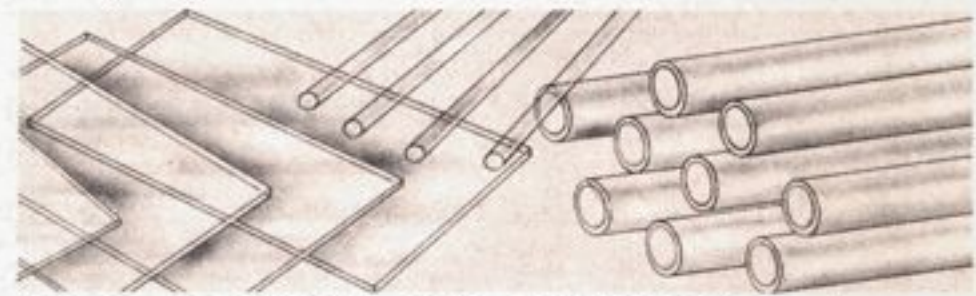
[M] MINIATURE COUPLER #180 — With Allen head set screws. For use in compact equipment, cramped space. A00J039 Net .24

[N] MINIATURE SHAFT EXTENDER #189—With Allen head set screws. Fits 3/16" shaft. A00J037 Net .18

[O] MINIATURE PANEL BEARING #184—Mounts in 1/4" hole. Overall length 3/8" I.D. .125, O.D. Thread 5/16", 1/4-32. A02J038 Net .15

[P] PANEL BEARING #119—For 1/4" shafts. Mounts in 3/8" hole, in panels up to 3/16". Brass, nickel plated. A02J771 Net .15

Polystyrene Sheets, Rods & Tubes



SHEET, ROD, TUBE POLYSTYRENE — Well known for its low losses at high frequencies, polystyrene offers the further advantages of good di-electric and mechanical strength with machinability.

POLYSTYRENE SHEET STOCK

| Cat. No. | Type | Thick. | Size | Net |
|----------|-------|--------|----------|-------|
| A21G536 | J8125 | 1/4" | 12 x 12" | 4.88 |
| A21G538 | J8127 | 3/8" | 12 x 12" | 5.38 |
| A21G539 | J8128 | 1/2" | 12 x 12" | 7.00 |
| A21G540 | J8129 | 3/4" | 12 x 12" | 8.00 |
| A21G589 | J8301 | 1/4" | 24 x 24" | 10.93 |
| A21G590 | J8303 | 1/2" | 24 x 24" | 14.50 |

POLYSTYRENE TUBING—12" lengths

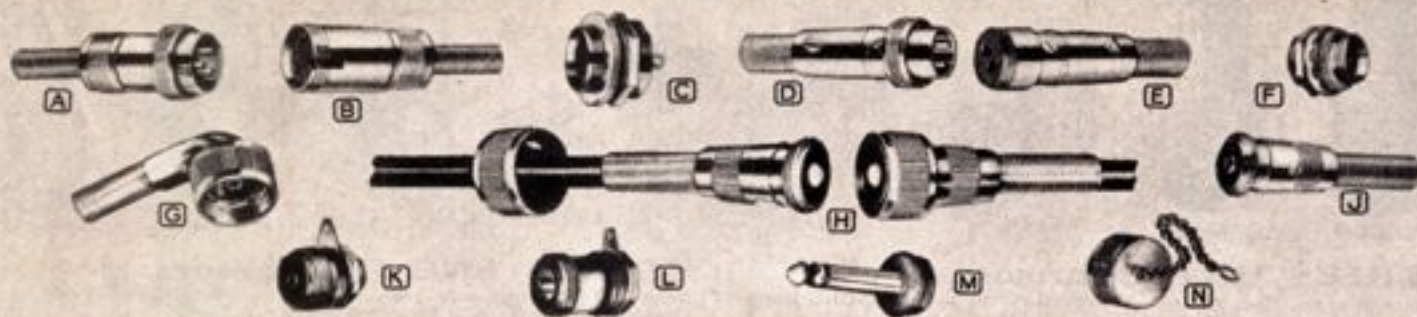
| Cat. No. | Type | O.D. | I.D. | Net Per Ft. |
|----------|-------|--------|--------|-------------|
| A21G573 | J8201 | 1/4" | 3/8" | .10 |
| A21G591 | J8202 | 3/8" | 1/2" | .14 |
| A21G592 | J8203 | 1/2" | 3/4" | .18 |
| A21G574 | J8205 | 1/2" | 3/8" | .26 |
| A21G572 | J8206 | 3/8" | 1/2" | .31 |
| A21G570 | J8207 | 3/4" | 1/2" | .39 |
| A21G571 | J8208 | 1" | 3/4" | .55 |
| A21G577 | J8220 | 1 1/2" | 1 1/4" | 1.47 |
| A21G578 | J8222 | 2" | 1 3/4" | 2.16 |

POLYSTYRENE ROD—12" lengths

| Cat. No. | Type | Dia. | Net Per Ft. |
|----------|-------|--------|-------------|
| A21G575 | J8100 | 1/8" | .03 |
| A21G599 | J8101 | 3/16" | .07 |
| A21G576 | J8102 | 1/4" | .12 |
| A21G600 | J8103 | 5/16" | .18 |
| A21G582 | J8104 | 3/8" | .26 |
| A21G583 | J8106 | 1/2" | .47 |
| A21G584 | J8107 | 5/8" | .71 |
| A21G580 | J8108 | 3/4" | .98 |
| A21G598 | J8109 | 1" | 1.39 |
| A21G579 | J8110 | 1 1/4" | 1.86 |
| A21G585 | J8112 | 1 1/2" | 2.94 |
| A21G586 | J8114 | 1 3/4" | 4.21 |
| A21G588 | J8118 | 2" | 7.34 |

No Minimum Order with Our Easy Budget Plan. See page 3 for Details.

AMPHENOL Audio Connectors



SERIES 91-3 AND 4 CONTACT—For all types of portable apparatus, although designed primarily for microphone installation. Protected against accidental disconnection.

| Cat. No. | 91-Type | Contacts | Description | Fig. | Net |
|----------|---------|----------|-----------------|------|-----|
| A01J088 | MC3M | 3 | Male, 3 cont. | A | .88 |
| A01J091 | MC3M1 | 3 | Male, 3 cont. | — | .80 |
| A01J095 | MC4M | 4 | Male, 4 cont. | — | .90 |
| A01J098 | MC4M1 | 4 | Male, 4 cont. | — | .82 |
| A01J189 | MC3F1 | 3 | Female, 3 cont. | — | .93 |
| A01J090 | MC3F | 3 | Female, 3 cont. | B | .85 |
| A01J096 | MC4F1 | 4 | Female, 4 cont. | — | .97 |
| A01J097 | MC4F | 4 | Female, 4 cont. | — | .89 |
| A01J092 | PC3F | 3 | Female, 3 cont. | C | .72 |
| A01J093 | PC3M | 3 | Male, 3 cont. | — | .82 |
| A01J099 | PC4F | 4 | Female, 4 cont. | — | .74 |
| A01J100 | PC4M | 4 | Male, 4 cont. | — | .82 |

SERIES 80 AUDIO CONNECTORS—One and two contacts. For coaxial shielded, and microphone cables, speakers, etc. Sleeve contacts and ring couplings for positive contact protected against accidental disconnections. Bakelite element in chrome-plated brass shell with spring-type cord protector for cable units. Chassis units furnished with mounting hardware.

| Cat. No. | Type | Contacts | Description | Fig. | Net |
|----------|-------|----------|----------------------|------|-----|
| A01J076 | M | 1 | Male Cable Plug | — | .60 |
| A01J082 | MC2M | 2 | Male Cable Plug | D | .64 |
| A01J083 | MC2M1 | 2 | Male Cable Jack | — | .50 |
| A01J077 | F1 | 1 | Female Cable Plug | — | .62 |
| A01J078 | F | 1 | Female Cable Jack | — | .52 |
| A01J083 | MC2F1 | 2 | Female Cable Plug | — | .66 |
| A01J084 | MC2F | 2 | Female Cable Jack | E | .58 |
| A01J080 | C | 1 | Female Chas. Recept. | — | .56 |
| A01J081 | C1 | 1 | Male Chas. Recept. | — | .57 |
| A01J086 | PC2F | 2 | Female Chas. Recept. | F | .57 |
| A01J087 | PC2M | 2 | Male Chas. Recept. | — | .57 |

SERIES 75 SINGLE CONTACT AUDIO CONNECTORS—Standard connectors $\frac{1}{8}$ " 27 threads; $\frac{1}{8}$ " mounting holes. Furnished with insulating washers and locknut. Spring cord protectors, butt contacts.

MINIATURE MICROPHONE CONNECTORS—Same rugged characteristics as series 75. 75-1, 1 $\frac{1}{16}$ " long female, 75-2, 1" long, male. 75-3, $\frac{1}{8}$ " long chassis. $\frac{1}{8}$ "-32 threads, nickel plated, strain relief spring. Max. cable O.D. .208".

| Cat. No. | 75-Type | Description | Fig. | Net |
|----------|---------|--------------------|------|------|
| A01J065 | MC1FA | 90° Cable Jack | G | 1.23 |
| A01J066 | MC1F | Comb. Jack & Plug | H | .44 |
| A01J067 | MC1M | Cable Plug | J | .40 |
| A01J069 | PC1M | Chassis Recept. | K | .35 |
| A01J071 | CL-PC1M | Chassis Recept. | L | .50 |
| A01J074 | MC1F | Phone Plug Adapter | M | .48 |
| A01J075 | CCC1 | Cap & Chain | N | .42 |
| A28J696 | 75-1 | Straight Plug | — | .46 |
| A28J697 | 75-2 | Cable Jack | — | .28 |
| A28J698 | 75-3 | Locknut Recept. | — | .32 |

AMPHENOL 'QUICK'-MIKE CONNECTORS—3 and 4 contacts. Push together, released by slight pressure on lock button. Gold-plated over silver bronze contacts. Incorrect insertions impossible because connectors are polarized. Satin-nickel plated, zinc-alloy shields.

| 3 CONTACTS | | | | |
|------------|--------|------------------------|------|------|
| Cat. No. | Type | Description | Fig. | Net |
| A28J315 | 91-853 | Male plug | — | 1.35 |
| A28J316 | 91-854 | Female plug | — | 1.35 |
| A28J317 | 91-855 | Male Recept. | — | 1.00 |
| A28J318 | 91-856 | Female Recept. | — | 2.22 |
| A01J780 | 91-857 | Male plug | — | 1.43 |
| 4 CONTACTS | | | | |
| A01J781 | 91-858 | Female plug | — | 1.96 |
| A01J782 | 91-859 | Male Chassis Recept. | — | 1.04 |
| A01J783 | 91-860 | Female Chassis Recept. | — | 2.29 |

CANNON XLR Connectors



CANNON 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 latch-lock. 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. Use for microphones, tape recorders, amplifiers, test instrumentation, computers, cameras, control devices, hi-fi, and many other audio and instrumentation applications. These units are quiet. Noise problems from interference from shock or pulling of plugs is eliminated. Streamlined for better appearance, finger grips for positive gripping, easier handling. Contact No. 1 can be used as a grounding contact. Easy to wire, easy insertion of cable. Service warranty good for 90 days.

Straight Cord Plugs:

| Cat. No. | Type | Fig. | Description | Net |
|----------|-----------|------|-------------------|------|
| A28J087 | XLR-3-15 | — | 90° Plugs, Female | 2.64 |
| A01J927 | XLR-3-14 | a | Male Wall Mtg. | .79 |
| A01J928 | XLR-3-13 | — | Female Wall Mtg. | 1.03 |
| A01J020 | XLR-3-14N | q | Male Panel Mtg. | .96 |
| A01J930 | XLR-3-13N | r | Female Panel Mtg. | 1.03 |
| A28J081 | XLR-3-11C | s | Female Cord Plug | 1.03 |
| A28J082 | XLR-3-12C | t | Male Cord Plug | .99 |
| A28J083 | XLR-3-31 | u | Female Wall Mtg. | 1.03 |
| A28J084 | XLR-3-32 | — | Male Wall Mtg. | .79 |
| A28J085 | XLR-3-36 | v | Male Wall Plate | 2.84 |
| A28J086 | XLR-3-35 | — | Female Wall Plate | 2.90 |

Cannon D Sub-Minature Pin & Socket Assemblies



Small, lightweight compact connectors in 5 sizes, having 9, 15, 25 gold-plated contacts with 5 amp. current rating. Flashover, 1700 V DC, 1200 V AC rms. Wire size No. 20, cadmium plated steel shell. Rack type can be used to connect and make a movable plug with addition of junction shell. Shell includes mounting flange. Insulated with Zytel 101. Keystone polarization. Average contact resistance 4.56 milliohms per amp.

| Cat. No. | Type | Contacts | Net |
|----------|-----------------|----------|------|
| A00J917 | DE-9P | 9 | .90 |
| A00J918 | DE-9S | 9 | 1.35 |
| A00J986 | DA-15P | 15 | 1.20 |
| A00J995 | DA-15S | 15 | 1.80 |
| A00J998 | DB-25P | 25 | 2.05 |
| A00J987 | DB-25S | 25 | 3.08 |
| A00J993 | DA-Straight 1/5 | — | .45 |
| A00J994 | DB-Straight 1/5 | — | .46 |

New Easy Budget Plan
SEE PAGE 3



SERIES UHF Connectors

Low cost, general purpose connectors of non-constant impedance. The small and large single contact types are for use with small and medium size coaxial cables in applications where line balance or increased standing wave ratio is important. Where impedance matching is necessary use Series BNC connectors.

Small Single Contact Connectors

| Cat. No. | Military Number | Amphenol Number | Description | For RG-/U Cables | Net Ea. |
|----------|-----------------|-----------------|----------------------|------------------------------|---------|
| A01J197 | UG-106/U | 83-1H | Hood | 8, 9, 10, 11, 12, 13, 63, 65 | .73 |
| A28J980 | UG-111/U | 83-750 | Plug | 59, 62, 71 | 1.00 |
| A01J126 | UG-175/U | 83-185 | Adapter, Reducing | 58 | .20 |
| A01J125 | UG-176/U | 83-168 | Adapter, Reducing | 59, 62, 71 | .20 |
| A01J110 | UG-177/U | 83-765 | Hood | 29, 55, 58 | .31 |
| A28J982 | UG-203/U | 83-774 | Plug | 55, 59, 62, 71 | 1.13 |
| A01J058 | SO-239 | 83-1R | Receptacle | | .75 |
| A01J200 | SO-239 | 83-1RT | Receptacle | | .75 |
| A28J984 | SO-239A | 83-798 | Receptacle | | 1.82 |
| A01J055 | FL-258 | 83-1J | Adapter, Straight | | 1.15 |
| A01J052 | FL-259 | 83-15P | Plug | 8, 9, 10, 11, 12, 13, 63, 65 | .73 |
| A28J996 | FL-259 | 83-822 | Plug (Teflon) | | 1.27 |
| A01J196 | FL-274 | 83-1F | Adapter, Bulkhead | | 1.98 |
| A01J057 | M-358 | 83-1T | Adapter, Tee | | 2.64 |
| A01J054 | M-359 | 83-1AP | Adapter, Right-Angle | | 1.69 |
| A01J196 | UG-372/U | 83-1HP | Hood | 8, 9, 10, 11, 12, 13, 63, 65 | .33 |

Small Twin Contact

| Cat. No. | Military Number | Amphenol Number | Description | For RG-/U Cables | Net Ea. |
|----------|-----------------|-----------------|----------------------|------------------|---------|
| A01J053 | UG-102/U | 83-225P | Plug | 22 | 1.22 |
| A01J059 | UG-103/U | 83-228 | Receptacle | | 1.00 |
| A08J976 | UG-104/U | 83-22AP | Adapter, Right-Angle | | 2.49 |
| A01J056 | UG-105/U | 83-22J | Adapter, Straight | | 1.84 |
| A01J216 | UG-196/U | 83-22T | Adapter, Tee | | 3.97 |
| A01J209 | FL-275 | 83-22F | Adapter, Straight | | 2.91 |

SERIES BNC Connectors

Series BNC connectors are designed to give constant impedance connections with RG 55, 58 and 59U. Their small size makes them ideal for use on mobile amateur equipment. All feature quick connect and disconnect bayonet-lock coupling and are weatherproof. Series BNC connectors, because of their smaller size, improved electrical characteristics and superior mechanical action are generally better than the UHF Series for use with RG-58U and RG-59U.

Small Coax Connectors

| Cat. No. | Military Number | Amphenol Number | Description | For RG-/U Cables | Net Ea. |
|----------|-----------------|-----------------|--------------------------------------|------------------|---------|
| A01J127 | UG-88/U | 31-002 | Plug | 55, 58 | 1.11 |
| A01J128 | UG-89/U | 31-005 | Jack | 55, 58 | 1.20 |
| A28J858 | CW-159/U | 31-016 | Shorting Plug Receptacle Pressurized | | 3.15 |
| A01J111 | UG-260/U | 31-012 | Plug | 59, 62, 71 | 1.18 |
| A28J323 | UG-261/U | 31-015 | Jack | 59, 62, 71 | 1.24 |
| A01J113 | UG-262/U | 31-011 | Panel Jack | 59, 62, 71 | 1.29 |
| A01J132 | UG-274/U | 31-008 | Adapter, Tee | | 2.82 |
| A01J130 | UG-290/U | 31-003 | Receptacle | | 1.02 |
| A01J129 | UG-291/U | 31-001 | Panel Jack | 55, 58 | 1.27 |
| A28J880 | UG-491A/U | 31-218 | Adapter | | 2.60 |
| A28J882 | UG-492A/U | 31-220 | Adapter, Pressurized | | 3.11 |
| A01J112 | UG-657/U | 31-102 | Receptacle, Pressurized | | 1.64 |
| A28J871 | UG-909/U | 31-206 | Jack, Bulkhead | 55, 58 | 2.00 |
| A28J872 | UG-910/U | 31-207 | Jack, Bulkhead | 59, 62, 71 | 1.80 |
| A28J869 | UG-913/U | 31-204 | Plug, Right-Angle | 55, 58 | 3.71 |
| A28J881 | UG-914/U | 31-219 | Adapter, Straight | | 1.86 |
| A28J846 | | 31-850 | Plug, Right-Angle | 55, 58 | 4.37 |

Selected Amphenol Connectors



A AMPHENOL SHIELDED MULTI-WIRE CONNECTORS: Consists of Amphenol "S" Type sockets or "CP" plug and snap-on black steel caps with rubber grommets. Will take cable up to 1/8". Size 1 1/16" x 1 3/16".

| FEMALE | | | |
|----------|---------|----------|---------|
| Cat. No. | Type | Contacts | Net Ea. |
| A01J034 | 78-FF4 | 4 | .31 |
| A01J035 | 78-FF5 | 5 | .31 |
| A01J036 | 78-FF6 | 6 | .33 |
| A01J037 | 78-FF7S | 7S | .34 |
| A01J039 | 78-FF8 | 8 oct. | .33 |
| A01J040 | 78-FF9 | 9 | .35 |
| A01J041 | 78-FF11 | 11 | .37 |

| MALE | | | |
|----------|---------|----------|---------|
| Cat. No. | Type | Contacts | Net Ea. |
| A01J042 | 86-PM4 | 4 | .34 |
| A01J043 | 86-PM5 | 5 | .35 |
| A01J044 | 86-PM6 | 6 | .36 |
| A01J045 | 86-PM7S | 7S | .37 |
| A01J047 | 86-PM8 | 8 oct. | .37 |
| A01J048 | 86-PM9 | 9 | .38 |
| A01J049 | 86-PM11 | 11 | .41 |
| A01J000 | 86-PM12 | 12 | .32 |
| A01J050 | 86-PM20 | 20 | .59 |

| CAPS | | | |
|----------|--------|------------------------|---------|
| Cat. No. | Type | Description | Net Ea. |
| A01J016 | 79-CC4 | Cable Clamp | .10 |
| A01J037 | 3-13 | Shell with end grommet | .12 |
| A01J039 | 3-24 | Shell with cable clamp | .18 |

B AMPHENOL MINIATURE RETAINER RING TYPE SOCKETS: Requires less chassis space than the tubes they serve. Similar to Amphenol "S" type sockets, but more compact. Mounts in 5/16" round hole or "D" shaped hole.

| Cat. No. | Type | Black Phenolic | Net Ea. |
|----------|--------|---------------------|---------|
| A02J042 | 78-535 | 3 Contact | .09 |
| A02J043 | 78-545 | 4 Contact | .12 |
| A02J044 | 78-555 | 5 Contact | .15 |
| A02J087 | 78-565 | 6 Contact | .16 |
| A28J735 | 78-5P | 5 Contact Miniature | .19 |
| A28J736 | 78-7P | 7 Contact Miniature | .21 |

C AMPHENOL MOLDED SPEAKER PLUGS: Designed originally as speaker plugs, but very useful in test panels, inter-com systems, PA systems, remote control units, etc. Molded-in prongs cannot work loose or get out of alignment. High dielectric black phenolic body with plated draw-brass prongs. Polarized to assure correct insertion and numbered for easy wiring.

| With Finger-grip | | | |
|------------------|------|--------|---------|
| Cat. No. | Type | Prongs | Net Ea. |
| A28J737 | 71-4 | 4 | .14 |
| A28J738 | 71-5 | 5 | .108 |
| A28J739 | 71-6 | 6 | .114 |
| A28J760 | 71-7 | 7 | .12 |

| With Straight Sides | | | |
|---------------------|-------|--------|---------|
| Cat. No. | Type | Prongs | Net Ea. |
| A28J761 | 70-8 | 8 | .17 |
| A28J762 | 70-9 | 9 | .19 |
| A28J763 | 70-12 | 12 | .20 |
| A28J764 | 70-20 | 20 | .32 |

D MINIATURE "CP" TYPE PLUGS - plug into standard 7 and 9 pin tube sockets. Features a molded-in strain relief post. Contacts are gold over silver plated.

| Cat. No. | Type | Net Ea. | |
|----------|--------|-------------------------|------|
| A01J192 | 86-896 | 7 Pin plug | .80 |
| A01J167 | 86-895 | 7 Pin plug w/cap | .90 |
| A01J143 | 86-894 | 7P with side outlet tap | 1.06 |
| A01J122 | 86-893 | 9 Pin plug | 1.40 |
| A01J312 | 86-897 | 9 Pin plug with cap | 1.50 |

E AMPHENOL "CP" PLUGS - Quickly and easily installed with Amphenol retainer rings. "CP" plugs mate with Amphenol "S" type sockets.

| Cat. No. | Type | Contacts | Net Ea. |
|----------|---------|----------|---------|
| A01J214 | 86-CP4 | 4 prong | .16 |
| A01J216 | 86-CP5 | 5 prong | .17 |
| A01J218 | 86-CP6 | 6 prong | .18 |
| A01J221 | 86-CP7L | 7 large | .21 |
| A01J220 | 86-CP7S | 7 small | .19 |

| | | | |
|---------|---------|----------------------|-----|
| A01J222 | 86-CP8 | 8 prong octal | .19 |
| A01J223 | 86-CP9 | 9 prong octal-style | .20 |
| A01J224 | 86-CP11 | 11 prong octal-style | .23 |
| A02J700 | 86-CP12 | 12 prong octal-style | .22 |

Use Radio Shack's New Easy Budget Plan
SEE PAGE 3



Cinch Jones

Terminal Strips and Connectors



(A) JONES BARRIER TYPE TERMINAL STRIPS—High insulation terminal strips for neat, easy wiring. Makes a long leakage path, prevent shorts from frayed wires at terminals. Bakelite base; eyelets, binder screws, terminals are of brass, hot tin finish.

SERIES 300 PLUGS AND SOCKETS—Small size with good contact separation. Polarized to eliminate mistakes. Molded Bakelite body, phosphor bronze knife type socket contacts, flat plug contacts. Arranged for cap or panel mounting. U.L. approved.

SERIES 140

| Cat. No. | Type | Contacts | Net | Cat. No. | Type | Contacts | Net |
|----------|-------|----------|-----|----------|--------|----------|------|
| A01J629 | 2-140 | 2 | .14 | A01J635 | 10-149 | 10 | .57 |
| A01J630 | 3-140 | 3 | .19 | A49J503 | 12-140 | 12 | .67 |
| A01J631 | 4-140 | 4 | .25 | A01J636 | 14-140 | 14 | .79 |
| A49J500 | 5-140 | 5 | .31 | A01J660 | 16-140 | 16 | .89 |
| A01J633 | 6-140 | 6 | .35 | A01J581 | 18-140 | 18 | 1.00 |
| A49J501 | 8-140 | 8 | .46 | A49J507 | 20-140 | 20 | 1.10 |

SERIES 141

| Cat. No. | Type | Contacts | Net | Cat. No. | Type | Contacts | Net |
|----------|-------|----------|-----|----------|--------|----------|------|
| A01J637 | 2-141 | 2 | .19 | A01J643 | 10-141 | 10 | .73 |
| A01J638 | 3-141 | 3 | .25 | A49J512 | 12-141 | 12 | .86 |
| A01J639 | 4-141 | 4 | .32 | A01J623 | 14-141 | 14 | 1.00 |
| A01J640 | 5-141 | 5 | .39 | A01J625 | 16-141 | 16 | 1.14 |
| A01J641 | 6-141 | 6 | .45 | A01J587 | 18-141 | 18 | 1.27 |
| A01J642 | 8-141 | 8 | .59 | A01J589 | 20-141 | 20 | 1.41 |

SERIES 142

| Cat. No. | Type | Contacts | Net | Cat. No. | Type | Contacts | Net |
|----------|-------|----------|-----|----------|--------|----------|------|
| A01J645 | 2-142 | 2 | .22 | A01J652 | 8-142 | 8 | .72 |
| A01J646 | 3-142 | 3 | .31 | A01J653 | 10-142 | 10 | .89 |
| A01J647 | 4-142 | 4 | .39 | A01J655 | 12-142 | 12 | 1.06 |
| A01J648 | 5-142 | 5 | .47 | A01J666 | 14-142 | 14 | 1.22 |
| A01J649 | 6-142 | 6 | .55 | A01J627 | 16-142 | 16 | 1.39 |

(B) 2000 SERIES TERMINAL STRIPS—With .019" tin-plated brass terminals. Compact, sturdy junction useful in assembling radio chassis, wiring, etc. Bakelite insulation, cadmium plate steel.

| Cat. No. | Type | Terms. | Mtg. Cen.* | Net | Cat. No. | Type | Terms. | Mtg. Cen.* | Net |
|----------|------|--------|------------|-----|----------|------|--------|------------|-----|
| A01J734 | 2002 | 2 | 1" | .06 | A01J740 | 2008 | 8 | 2 3/4" | .11 |
| A01J735 | 2003 | 3 | 1 1/4" | .07 | A01J741 | 2009 | 9 | 3 1/4" | .12 |
| A01J736 | 2004 | 4 | 1 3/4" | .08 | A01J742 | 2010 | 10 | 3 3/4" | .13 |
| A01J737 | 2005 | 5 | 1 3/4" | .09 | A01J743 | 2011 | 11 | 3 3/4" | .14 |
| A01J738 | 2006 | 6 | 2" | .10 | A01J744 | 2012 | 12 | 4" | .15 |
| A01J739 | 2007 | 7 | 2 1/4" | .11 | A01J745 | 2013 | 13 | 4 1/4" | .16 |

JONES #17 SCREW TERMINAL STRIPS—Ideal for chassis and breadboard layouts. Solder-coated brass terminals. Bakelite mounting.

| Cat. No. | Type | Lugs | Ctrs. | Net | Cat. No. | Type | Lugs | Ctrs. | Net |
|----------|------|------|--------|-----|----------|-------|------|--------|-----|
| A01J486 | 17-1 | 1 | 3/4" | .04 | A01J565 | 17-6 | 6 | 3 1/4" | .17 |
| A01J561 | 17-2 | 2 | 1 1/4" | .06 | A01J488 | 17-8 | 8 | 3 1/4" | .23 |
| A01J562 | 17-3 | 3 | 1 3/4" | .09 | A01J622 | 17-9 | 9 | 4" | .27 |
| A01J563 | 17-4 | 4 | 2" | .12 | A01J621 | 17-10 | 10 | 4 1/4" | .29 |
| A01J564 | 17-5 | 5 | 2 3/4" | .14 | | | | | |

CHASSIS MOUNTING TYPE AB

| MALE | | | | FEMALE | | | |
|----------|---------|----------|------|----------|---------|----------|------|
| Cat. No. | Type | Contacts | Net | Cat. No. | Type | Contacts | Net |
| A01J522 | P-302AB | 2 | .19 | A01J515 | S-302AB | 2 | .21 |
| A01J523 | P-303AB | 3 | .24 | A01J516 | S-303AB | 3 | .25 |
| A01J524 | P-304AB | 4 | .26 | A01J517 | S-304AB | 4 | .32 |
| A01J525 | P-306AB | 6 | .32 | A01J518 | S-306AB | 6 | .35 |
| A01J526 | P-308AB | 8 | .38 | A01J519 | S-308AB | 8 | .44 |
| A01J527 | P-310AB | 10 | .44 | A01J520 | S-310AB | 10 | .52 |
| A01J528 | P-312AB | 12 | .49 | A01J521 | S-312AB | 12 | .60 |
| A49J758 | P-315AB | 15 | .64 | A01J442 | S-315AB | 15 | .74 |
| A01J608 | P-318AB | 18 | .80 | A49J763 | S-318AB | 18 | .90 |
| A01J447 | P-321AB | 21 | 1.00 | A49J764 | S-321AB | 21 | 1.11 |

CHASSIS MOUNTING TYPE CCT

| MALE | | | | FEMALE | | | |
|----------|----------|----------|------|----------|----------|----------|------|
| Cat. No. | Type | Contacts | Net | Cat. No. | Type | Contacts | Net |
| A01J508 | P-302CCT | 2 | .44 | A01J501 | S-302CCT | 2 | .45 |
| A01J509 | P-303CCT | 3 | .47 | A01J502 | S-303CCT | 3 | .49 |
| A01J510 | P-304CCT | 4 | .52 | A01J503 | S-304CCT | 4 | .52 |
| A01J511 | P-306CCT | 6 | .57 | A01J504 | S-306CCT | 6 | .60 |
| A01J512 | P-308CCT | 8 | .63 | A01J505 | S-308CCT | 8 | .70 |
| A01J513 | P-310CCT | 10 | .70 | A01J506 | S-310CCT | 10 | .78 |
| A01J514 | P-312CCT | 12 | .77 | A01J507 | S-312CCT | 12 | .89 |
| A01J671 | P-315CCT | 15 | 1.00 | A01J671 | S-315CCT | 15 | 1.11 |
| A01J609 | P-318CCT | 18 | 1.21 | A01J609 | S-318CCT | 18 | 1.32 |
| A01J554 | P-321CCT | 21 | 1.42 | A01J554 | S-321CCT | 21 | 1.53 |

(E) SERIES 101 PLUGS AND SOCKETS—These cable plugs and sockets are all brass with a bright nickel finish. Brass contact is silver plated. Insulated with low loss natural color XXX Bakelite. The cable sleeve is hot tinned brass, and the cable nut is knurled for easy connecting. Plug insulation is ceramic steatite, and the body plug is cadmium plated.

| Cat. No. | Type | Description | Net |
|----------|------------|------------------|-----|
| A01J436 | P-101-1/4" | Cable Plug | .47 |
| A01J681 | S-101 | Socket for P-101 | .42 |

(F) SERIES 202 PLUGS AND SOCKETS—Made in two contacts only. Brass with nickel finish. Molded Bakelite insulation. Fibre lining in caps. Knife switch socket contacts. Polarized.

| Cat. No. | Type | Description | Net |
|----------|----------|-------------------|-----|
| A01J438 | P-202CCT | Plug | .59 |
| A01J680 | S-202CCT | Socket | .60 |
| A01J679 | S-202B | Socket, Base Mtg. | .70 |
| A01J678 | P-202B | Plug, Base Mtg. | .67 |

Lug Type Terminal Strips



ONE LUG MOUNTING TYPE

| Cat. No. | Type | No. Tie† Points | Lug Grounds | Mounting | Net |
|----------|------|-----------------|-------------|-----------|-----|
| A01J207 | 51 | 1 | No | Right | .02 |
| A49J871 | 51A | 1 | Yes | Right | .02 |
| A49J872 | 51B | 1 | No | Left | .02 |
| A49J873 | 51C | 1 | Yes | Left | .02 |
| A49J874 | 51F | 1 | No | Upright | .02 |
| A49J876 | 51R | 1 | No | Right end | .02 |
| A49J875 | 51L | 1 | No | Left end | .02 |
| A49J877 | 51T | 2* | No | Upright | .03 |
| A01J556 | 52 | 2 | No | Center | .02 |
| A49J878 | 52A | 2 | Yes | Center | .02 |
| A49J879 | 52B | 2 | No | Left | .02 |
| A49J880 | 52C | 2 | Yes | Left | .02 |
| A49J881 | 52R | 2 | No | Right end | .04 |
| A49J882 | 52T | 4* | No | Upright | .04 |
| A49J886 | 53E | 3 | No | Center | .03 |
| A49J887 | 53F | 3 | Yes | Center | .03 |
| A49J888 | 53T | 6* | No | Upright | .06 |
| A49J890 | 54B | 4 | No | Center | .04 |
| A49J891 | 54C | 4 | Yes | Center | .04 |

*Tie points connected in pairs.
†No. tie points excluding grounds.

Handy for neatly supporting resistors, condensers, etc. in circuit wiring. Solder coated steel lugs, space on 3/8" centers. Chocolate bakelite strips are 1/16" thick, 3/8" wide.

TWO LUG MOUNTING TYPE

| Cat. No. | Type | No. Tie† Points | Mtg. Lug Grounded | Mtg. Centers | Net |
|----------|------|-----------------|-------------------|--------------|-----|
| A09J557 | 53 | 3 | No | 1 1/2" | .06 |
| A49J883 | 53A | 3 | Yes | 1 1/2" | .06 |
| A49J884 | 53B | 3 | No | 3/4" | .04 |
| A49J885 | 53C | 3 | Yes | 3/4" | .04 |
| A01J558 | 54 | 4 | No | 1 3/4" | .05 |
| A49J889 | 54A | 4 | Yes | 1 3/4" | .05 |
| A01J559 | 55 | 5 | No | 2 1/4" | .05 |
| A49J892 | 55A | 5 | Yes | 2 1/4" | .05 |
| A49J893 | 55B | 5 | No | 1 1/2" | .05 |
| A49J894 | 55C | 5 | Yes | 1 1/2" | .05 |
| A01J560 | 56 | 6 | No | 2 3/4" | .10 |
| A49J895 | 56A | 6 | Yes | 2 3/4" | .11 |
| A49J896 | 56B | 6 | No | 1 3/4" | .10 |
| A49J897 | 56C | 6 | Yes | 1 3/4" | .11 |

*No. of tie points excluding ground.

MALLORY

Plugs and Sockets



A PHONE AND MICROPHONE TYPE PLUGS: Standard $\frac{1}{2}$ ", 2 and 3 conductor plugs for use with many audio applications such as headphones, handsets, mikes, etc. Fit standard $\frac{1}{2}$ " phone jacks. 2-conductor plugs have built-in tiecord anchor for terminal strain relief. "A" types have cable clamp in handle for terminal strain relief. Screw-type terminals accommodate either tip jacks or wire. Ship. wt. 3 oz.

| Cat. No. | Mfrs. Type | No. Cond. | Shell | Net |
|----------|------------|-----------|----------------|------|
| A01J886 | 75 | 2 | Black insul. | .45 |
| A01J887 | 75N | 2 | Shielded | .66 |
| A01J888 | 75A | 2 | 2-pc. shielded | 1.05 |
| A01J889 | 76 | 3 | Black insul. | .66 |
| A01J890 | 76A | 3 | 2-pc. shielded | 1.17 |

B JUNIOR PHONE JACKS: Compact juniors for standard $\frac{1}{4}$ " phone plugs. Require only $1\frac{1}{2}$ " behind panel. Cadmium-plated frames; nickel-plated brass shank, spring, mtg. hardware; silver contacts. Mounts in panel up to $\frac{1}{4}$ " thick. Ship. wt. 3 oz.

| Cat. No. | Mfrs. Type | Circuit | Net |
|----------|------------|-------------|-----|
| A01J867 | 701 | Open | .45 |
| A01J868 | 702B | 3-Cond. | .57 |
| A01J869 | 703 | Open & Make | .60 |

C EXTENSION TYPE JACK: 2-conductor for standard $\frac{1}{4}$ " phone plugs. Type 100 has fiber handle. Others have nickel-plated brass handles. All have screw terminals. Type 100A has built-in cable clamp. Ship. wt. 5 oz.

| Cat. No. | Mfrs. Type | Shell | Length | Net |
|----------|------------|----------------|------------------|------|
| A01J883 | 100 | Black | $3\frac{1}{2}$ " | .84 |
| A01J884 | 100N | Shielded | $3\frac{1}{2}$ " | 1.08 |
| A01J885 | 100A | 2-pc. Shielded | $3\frac{1}{2}$ " | 1.50 |

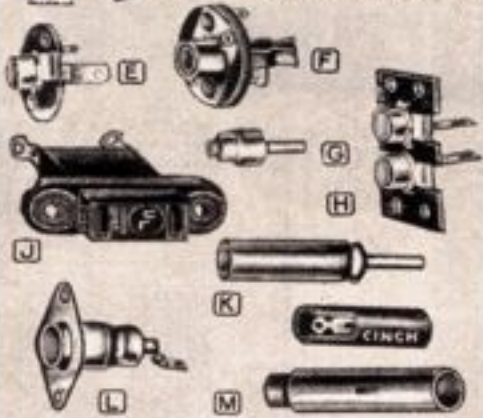
D MIDGET AND INFANT PHONE JACKS: Extremely small for limited space. Take $\frac{1}{4}$ " phone plugs. "Midgets" require $1\frac{1}{2}$ " mtg. space behind panel; "Infants" require $\frac{1}{2}$ " mtg. space behind panel. Cadmium plated steel frames, nickel-plated brass shank, springs, mtg. hardware. Mounts in panels up to $\frac{1}{4}$ " thick. Ship. wt. 2 oz.

| Cat. No. | Mfrs. Type | Circuit | Net |
|----------|------------|---------------------|-----|
| A01J870 | A-2* | Closed shorting | .48 |
| A01J871 | A-2A* | Transfer shorting | .57 |
| A01J872 | A-3A* | Make-break shorting | .66 |
| A01J873 | A-1† | Open | .39 |

*Midget †Infant

Cinch Jones

Connectors



E SINGLE PHONO JACK: For many uses such as RCA type recording units, receivers, auto sets, etc. Single prong positive grip phono jack mounted on $\frac{1}{16}$ " chocolate bakelite disc. $1\frac{1}{16}$ " mtg. centers.

A01J966 Type 81ANet .05

F SINGLE PHONO JACK: Similar to No. 81A, except it has ceramic bushing. 3 laminated bakelite insulation plates, brass mounting plate. $1\frac{1}{16}$ " dia. mounting holes.

A49J943 Type 81GNet .20

G PHONO PLUGS: RCA type for record players, auto radios, receivers, recording and reproducing equipment, etc. Nickel-plated $\frac{1}{16}$ " dia. tube pin in 2 lengths, $\frac{9}{16}$ " and $1\frac{1}{16}$ ".

A01J967 Type 13A $\frac{9}{16}$ " pinNet .04

A01J939 Type 13E $1\frac{1}{16}$ " pinNet .05

H DOUBLE PHONO JACK: 2 positive grip phono jacks mounted on $\frac{1}{16}$ " bakelite panel with $1\frac{1}{16}$ " mtg. centers. Panel $1\frac{1}{2}$ " x $\frac{1}{2}$ ".

A49J940 Type 81BNet .10

J 110-250 VOLT SOCKET: 2-prong black bakelite socket for premium space. Ideal for radio chassis and many other applications. Rated at 15 amp., 110V. or 10 amp., 250V. High dielectric black bakelite. Solder coated brass contacts. Accepts any standard 2-prong electric plug. $2\frac{1}{16}$ " x $2\frac{1}{16}$ " mtg. hole.

A01J579 Type 2R2Net .15

K ANTENNA PLUG: Motorola type. Nickel-plated $\frac{1}{16}$ " tube pin extends $1\frac{1}{2}$ " from cadmium plated split brass shell which provides 8 cutting edges for positive grounded connection.

A01J364 Type 13BNet .12

L ANTENNA CONNECTOR FLANGE TYPE: Motorola type shielded jack used extensively on car radios. Sturdy steel flange with $1\frac{1}{16}$ " mtg. centers. 136 dia. mtg. holes. Solder coated. Can be mounted with screw or rivet.

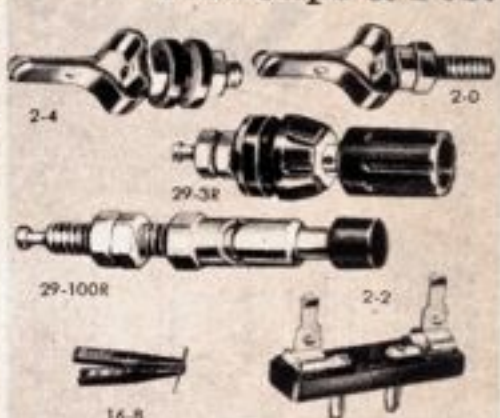
A01J620 Type 81FNet .12

M SHIELDED EXTENSION JACK: Cadmium plated brass shell, $2\frac{1}{16}$ " L. Black bakelite insert provides insulation for solder coated positive grip brass contact.

A49J942 Type 81ENet .29

Grayhill

Test Clips & Post



| Cat. No. | Type | Description | Net Ea |
|----------|------|---|--------|
| A28J600 | 2-0 | Threaded Stud | .20 |
| A28J601 | 2-1 | Banana Plug | .35 |
| A28J602 | 2-4 | Threaded Stud, Washer* | .35 |
| A28J603 | 2-6 | Pin Plug | .35 |
| A28J604 | 2-2 | Two Test Clips to banana plugs $\frac{1}{8}$ " center | |
| A28B629 | 2-8 | Like 2-2, but screw-mtg., solder terminals | .80 |
| A28J605 | 16-8 | Alligator, Black | .85 |
| A28J606 | 16-R | Alligator, Red | .85 |

*Insulating

GRAYHILL MINIATURE TEST CLIPS

| Cat. No. | Type | Mtg. Hole | Net Ea. |
|----------|------|-------------------|---------|
| A28J630 | 2-20 | $\frac{1}{32}$ " | .25 |
| A28J631 | 2-21 | BP* | .40 |
| A28J632 | 2-24 | $\frac{1}{16}$ "† | .40 |

GRAYHILL BINDING POSTS

| Cat. No. | Type | Color | Mtg. Hole | Net |
|----------|---------|-------|-----------------|-----|
| A28J620 | 29-1R | Red | $\frac{1}{8}$ " | .40 |
| A28J621 | 29-1B | Black | $\frac{1}{8}$ " | .40 |
| A28J622 | 29-3R | Red | $\frac{1}{8}$ " | .40 |
| A28J623 | 29-3B | Black | $\frac{1}{8}$ " | .40 |
| A28B626† | 29-33R | Red | $\frac{1}{8}$ " | .40 |
| A28B627† | 29-33B | Black | $\frac{1}{8}$ " | .40 |
| A28J624 | 29B11-1 | Black | $\frac{1}{8}$ " | .18 |
| A28J625 | 29B11-2 | Red | $\frac{1}{8}$ " | .10 |

*Mounting base for 2 posts.

†Spring loaded contact.

GRAYHILL PLUNGER BINDING POSTS

| Cat. No. | Type | Color | Mtg. Hole | Net |
|----------|---------|-------|-----------------|-----|
| A28J613 | 29-100R | Red | $\frac{1}{4}$ " | .35 |
| A28J614 | 29-100B | Black | $\frac{1}{4}$ " | .35 |
| A28J617 | 29-104R | Red | .375 | .50 |
| A28J618 | 29-104B | Black | .375 | .50 |

BUY ANY ITEM IN THIS CATALOG ON Radio Shack's New Easy Pay Plan! See Page 3 for details!

General Radio Double Plug



65°
ea.

Insulated dual plug for standard banana jacks. Molded as unit on $\frac{1}{2}$ " centers. Recessed top forms double jack, allowing units to be used in tandem. Banana plug prongs. Holes in body accept phone tips or wires up to No. 12. Terminal screws clamp conductors securely. Black polystyrene body. 15 amp. rating. DC leakage, 100 million meg. $1\frac{1}{16}$ " L. Ship. wt. 3 oz.

A01J919 G R 274-MB.Net .65

Superior Binding Posts

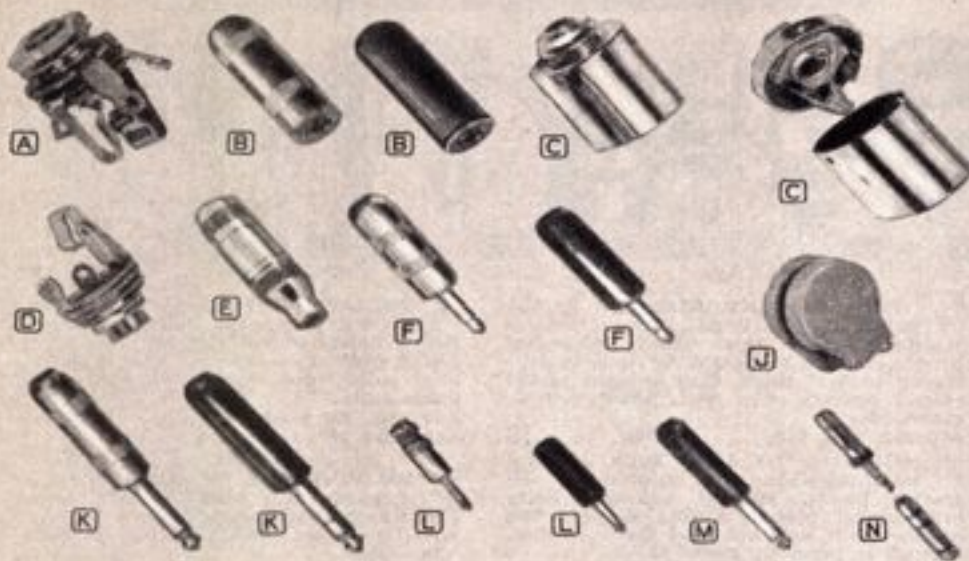


40°
ea.

5-way binding posts with 30 amp current capacity; 1000 volts working. Mechanically strong (can be tightened with $\frac{1}{2}$ " socket wrench without damage). Solder tip. Gold-plated brass.

| Cat. No. | Superior | Color | Net Ea. |
|----------|----------|--------|---------|
| A01J866 | DF30BC | Black | .40 |
| A01J876 | DF30RC | Red | |
| A01J367 | DF30YC | Yellow | |
| A01J369 | DF30WTC | White | |
| A01J363 | DF30BC | Blue | |
| A01J368 | DF30GNC | Green | |

Miniature Phono Jacks & Plugs



(G) PHONO JAX: Front panel mtg. Hex nut attached on back side of panel eliminates unauthorized tampering. $\frac{3}{16}$ " O.D. Can be mounted on $\frac{1}{8}$ " centers. For panels up to $\frac{1}{4}$ " thick. $\frac{3}{16}$ " dia. mtg. holes.

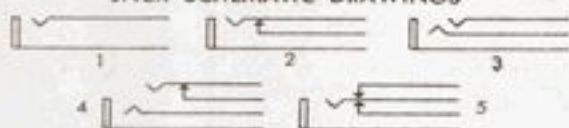
A02J660 Type 3501 FP.....Net .22
PHONO JAX: Back of panel mtg. Mounts with standard $\frac{1}{8}$ "-32 threaded locknut in front. Can be mounted on $\frac{1}{8}$ " centers in panels up to $\frac{1}{4}$ " thick. Requires $\frac{3}{16}$ " dia. mtg. hole.

A02J661 Type 3501 FR.....Net .28
(H) PHONO PLUG: "Handle" easily removed to expose terminals. Completely shielded; durable bright nickel plated brass body, handle. Use in multiples even where 2 jacks are on $\frac{1}{16}$ " centers.

A02J662 Type 3502.....Net .28
PHONO EXTENSION JAX: Removable handle, cable clamp. Shielded. Durable nickel plated body and handle.

A02J663 Type 3503.....Net .34

JACK SCHEMATIC DRAWINGS



(A) "LITTLE-JAX" PHONE JACKS: For minimum panel space and depth, yet receives standard phone plug. Special tip spring firmly holds mating plug. Notched insulating washers interlock springs and solder lugs. $\frac{1}{8}$ " dia. mtg. hole. Hardware included.

| Cat. No. | Mfrs. Type | Description | Circuit | Net |
|----------|------------|----------------------------|---------|-----|
| A01J707 | 11 | Open Circuit | 1 | .24 |
| A01J709 | 12-A | Single Closed Circuit | 2 | .26 |
| A70J607 | 12-B | 3 conductor open circuit | 3 | .33 |
| A01J711 | 5-138 | 3 conductor closed circuit | 4 | .56 |

(B) EXTENSION JACK: Solder lug or screw type terminals mechanically interlock. All 2-conductor, circuit 1. All 3-conductor, circuit 3. No. S-128 mates with S-250 and S-280. No. 126 with R-280. Others match standards.

2-CONDUCTOR

| Cat. No. | Mfrs. Type | Description | Net |
|----------|------------|------------------------------|------|
| A01J770 | 80 | Black-Screw Term. | .69 |
| A70J610 | 88 | Black-Solder Lug | .60 |
| A01J767 | 120 | Shielded-Screw Term. | .93 |
| A70J611 | 123 | Shielded-Solder Lug | .96 |
| A70J612 | 124 | Special, Shielded-Solder Lug | 1.08 |
| A70J613 | 128 | Shielded-Solder Lug | .84 |
| A01J716 | 5-128 | Special, Shielded-Solder Lug | .90 |

3-CONDUCTOR

| | | | |
|---------|--------|---------------------------------------|------|
| A70J614 | 131 | Shielded, Solder Lug | 1.20 |
| A01J768 | 830 | Black-Screw Term. | .93 |
| A70J615 | 5-830 | like 830, but with .210" I.D. bushing | 1.20 |
| A70J616 | 838 | Black-Solder Lug | .84 |
| A01J769 | 1230 | Shielded-Screw Term. | 1.17 |
| A70J617 | 5-1230 | like 5-830; shielded handle | 1.50 |
| A70J618 | 1238 | Shielded-Solder Lug | 1.08 |

(C) "SHIELDED JAX": Shield assembled into and made part of jack. Ideal for use in hi-impedance circuit where effective shielding is essential.

| Cat. No. | Mfrs. Type | Description | Circuit | Net |
|----------|------------|--------------------------------|---------|-----|
| A01J892 | CN-11 | two conductor open circuit | 1 | .48 |
| A01J959 | CN-12A | two conductor closed circuit | 2 | .51 |
| A01J619 | CN-12B | three conductor open circuit | 3 | .57 |
| A01J620 | CN-13B | three conductor closed circuit | 4 | .69 |

TINI-JAX AND PLUGS

(D) "TINI-JAX": Subminiature phone jack. $\frac{1}{8}$ size of the "Little-Jax", but with all its features. Weighs less than $\frac{1}{8}$ oz.

| Cat. No. | Mfrs. Type | Description | Circuit | Net |
|----------|------------|------------------|---------|-----|
| A28J392 | 41 | Open circuit | 1 | .24 |
| A28J393 | 42A | Closed circuit | 2 | .26 |
| A01J836 | 43A | Transfer circuit | 5 | .42 |

(E) "TINI-EXTENSION-JAX": Extension or cable jack to mate with "Tini-Plugs." Shielded housing for ruggedness and electrical shielding.

A01J841 Type 125 Open Circuit 1.....Net .75

(F) "TINI-PLUGS": Sub-miniature 2-conductor phone plug. All well-known features of "Little-Plugs", but only $\frac{1}{8}$ the size.

| Cat. No. | Mfrs. Type | Handle | Net |
|----------|------------|--------------------|-----|
| A28J394 | 740 | Black-Screw Term. | .45 |
| A01J837 | 745 | Red-Screw Term. | .45 |
| A01J838 | 750 | Black-Clamp Lug | .42 |
| A01J839 | 755 | Red-Clamp Lug | .42 |
| A28J395 | 770 | Shield-Screw Term. | .63 |
| A01J840 | 780 | Shield-Clamp Lug | .60 |

(J) SWITCHCRAFT PHONE JACK COVERS: SERIES 500—used with $\frac{1}{8}$ "-32 threaded bushing type phone jacks.

SERIES 600—fit tip jacks with $\frac{1}{8}$ " mtg.; height of tip jack head $\frac{1}{8}$ " to $\frac{3}{16}$ ".

A28J303 Type 515. Black.....List 1.05. Net .62

A28J306 Type 615. Black.....List .75 Net .44

(K) "LITTLE-PLUG" PHONE PLUGS: Fit all standard jacks. Various terminal combinations, Nos. 250 and S-280 often used as microphone input in magnetic recorders. R-280 is for Reverse recorders. Molded plastic handles or brass nickel-plated shells.

| Cat. No. | Mfrs. Type | Description | Net |
|----------|------------|--------------------|-----|
| A70J621 | 240 | Black-Screw Term. | .45 |
| A70J622 | 245 | Red-Screw Term. | .45 |
| A70J623 | 270 | Shield-Screw Term. | .63 |
| A01J715 | 5-250 | Special-Black | .45 |
| A01J714 | 5-280 | Special-Shield | .60 |
| A70J625 | R-280 | Shield-Reverse | .75 |

THREE CONDUCTOR

| | | | |
|---------|-----|--------------------|-----|
| A01J765 | 260 | Black-Screw Term. | .72 |
| A01J766 | 290 | Shield-Screw Term. | .84 |

(L) STANDARD PHONE PLUGS: Fit all standard jacks. 1 pc. tip rod staked into terminal insures tightness of plug. 2-conductor types have screw terminals. 3-conductor types have solder lug terminals.

| Cat. No. | Mfrs. Type | Handle | Description | Net |
|----------|------------|--------|-------------|-----|
| A70J629 | 40 | Black | 2-cond. | .45 |
| A70J630 | 45 | Red | 2-cond. | .45 |
| A70J631 | 70 | Shield | 2-cond. | .72 |
| A70J633 | 90 | Shield | 3-cond. | .78 |

(M) "LUG-PLUG": Similar in design to "Little-Plug", except two small solder lug terminals. Fits all standard jacks. No. 385 is special plug designed for Bell & Howell equipment which requires .206" dia. sleeve.

| Cat. No. | Mfrs. Type | Description | Net |
|----------|------------|-------------------|-----|
| A70J642 | 350 | Black Handle | .33 |
| A70J643 | 355 | Red Handle | .33 |
| A70J644 | 380 | Shielded | .42 |
| A70J645 | 385 | .206 dia. Special | .60 |

(N) LOCK PLUG & EXTENSION JAX: Device designed to "lock" connection after plug has been fully inserted in mating panel jack or extension jax. Solder lug terminals; sleeve terminal has cable clamp. 2 and 3 conductor types.

"LOCK-PLUG"

| Cat. No. | Mfrs. Type | Description | Net |
|----------|------------|-------------|------|
| A02J656 | 282 | 2-conductor | .82 |
| A02J657 | 298 | 3-conductor | 1.02 |

"LOCK-EXTENSION-JAX"

| | | | |
|---------|-----|-------------|------|
| A02J658 | 123 | 2-conductor | 1.02 |
| A92J659 | 133 | 3-conductor | 1.32 |

(O) COLOR TAPES: 6 different colored pressure sensitive tapes for use as color identification of phono plugs. Can also be attached to any plug or connector to identify stereo channels.

A01J835 Type 525.....Net .15

E. F. JOHNSON Nylon Plugs—Jacks—Posts



A NYLON BANANA PLUG—A high voltage insulated plug. Body and pin are one piece nickel-plated brass w/high grade nickel-silver springs. Current rating: 10 amps. Designed for solderless connecting up to 16 gauge stranded wire.

| Cat. No. | Type | Description | Net |
|----------|---------|-------------|-----|
| A01J385 | 108-301 | white | .21 |
| A01J386 | 108-302 | red | .21 |
| A01J387 | 108-303 | black | .21 |
| A01J388 | 108-304 | dark green | .21 |
| A01J389 | 108-305 | light blue | .21 |
| A01J390 | 108-306 | orange | .21 |
| A01J391 | 108-307 | yellow | .21 |
| A01J392 | 108-308 | brown | .21 |
| A01J393 | 108-309 | light green | .21 |

B NYLON BANANA JACK—Molded nylon body w/cadmium-plated insert. Current rating 10 amps. Voltage breakdown: 12,000 volts DC. Capacity to $\frac{1}{16}$ " panel: 1.5 μ f $\frac{5}{16}$ " 32 not furnished. Mounts in $\frac{3}{16}$ " diameter hole.

| Cat. No. | Type | Description | Net |
|----------|---------|-------------|-----|
| A01J260 | 108-901 | white | .14 |
| A01J261 | 108-902 | red | .14 |
| A01J262 | 108-903 | black | .14 |
| A01J263 | 108-904 | dark green | .14 |
| A01J264 | 108-905 | light blue | .14 |
| A01J265 | 108-906 | orange | .14 |
| A01J266 | 108-907 | yellow | .14 |
| A01J267 | 108-908 | brown | .14 |
| A01J268 | 108-909 | light green | .14 |

C NYLON BINDING POST—Pre-assembled—Thumb nut is self-captivated, cannot be removed. Voltage breakdown: 8,000 volts DC. Current rating: 15 amps. Capacity to $\frac{1}{8}$ " panel: 3.3 μ f $\frac{5}{16}$ " dia. hole or double flat hole.

| Cat. No. | Type | Description | Net |
|----------|---------|-------------|-----|
| A01J398 | 111-101 | white | .30 |
| A01J399 | 111-102 | red | .30 |
| A01J400 | 111-103 | black | .30 |
| A01J401 | 111-104 | dark green | .30 |
| A01J402 | 111-105 | light blue | .30 |
| A01J403 | 111-106 | orange | .30 |
| A01J404 | 111-107 | yellow | .30 |
| A01J405 | 111-108 | brown | .30 |
| A01J406 | 111-109 | light green | .30 |
| A01J407 | 111-110 | dark blue | .30 |

H. H. SMITH CONNECTORS



D NYLON ALL INSULATED TIP JACK—Rated at 4000V AC. Accommodates standard phone tips. Sturdy phosphor bronze contact, mounts in $\frac{1}{8}$ " hole in panels up to $\frac{5}{16}$ " thick. Cap is brass nickel plated. Specify color: red, black, yellow, green, blue.

A00J042 Type 240.....Net, ea. .18

E INSULATED TIP JACK Type 202 for standard phone tips, colored $\frac{5}{16}$ " diameter heads. Molded bakelite. Body brass-nickel plated. Spring is phosphor bronze with hex nut and fibre washer. Mounts in panel up to $\frac{3}{8}$ " thick.

| Cat. No. | Type | Description | Net | 10 for |
|----------|------|-------------|-----|--------|
| A01J809 | 202 | black | .13 | 1.17 |
| A01J717 | 202 | yellow | .13 | 1.17 |
| A01J719 | 202 | green | .13 | 1.17 |
| A01J810 | 202 | red | .13 | 1.17 |
| A01J718 | 202 | blue | .13 | 1.17 |

F INSULATED PHONE TIP JACK—Extruded head and washer provides excellent insulation from panel mounts in $\frac{5}{16}$ " hole in panel up to $\frac{1}{4}$ " thick. Accepts standard tip plugs, 1" overall. Specify color: red, yellow, green, blue, black.

A49J210 Type 241 Black.....Net, ea. .18

A49J310 Type 241 Red.....Net, ea. .18

G INSULATED BANANA JACK. Mounts in $\frac{5}{16}$ " hole in panels up to $\frac{3}{8}$ " thick. Accepts standard banana plugs. Body brass-nickel plated. Specify color: red, black, yellow, green, blue.

A49J216 Type 219 Black.....Net, ea. .15

A49J316 Type 219 Red.....Net, ea. .15

H BANANA PLUG or TIP JACK Type 206. Takes std. phone tips or banana plugs, interchangeable fits $\frac{5}{16}$ " dia. hole in panels to $\frac{3}{8}$ " thick.

| Cat. No. | Type | Description | Net | 10 for |
|----------|------|-------------|-----|--------|
| A01J811 | 206 | black | .16 | 1.44 |
| A01J812 | 206 | red | .16 | 1.44 |

J INSULATED TIP PLUG. Heavy duty type fits std. phone tip jacks $2\frac{1}{2}$ " overall. Brass, nickel plated enables soldering of heavy duty wire directly into plug. Specify color: red, white, black, yellow, green, blue.

A49J200 299 Black.....Net, ea. .15

A49J300 299 Red.....Net, ea. .15

K SUB MINIATURE TIP PLUGS. Ideal for checking sub miniature equipment. Fits standard phone tip jacks $1\frac{1}{2}$ " overall. Tip—brass, nickel plated. Handle—bone fibre.

A49J202 Type 270 Black.....Net, ea. .13

A49J302 Type 270 Red.....Net, ea. .13

L STANDARD CORD TIP Type 108 fits std. tip jacks as above. Overall 1" long. .080" shank diameter.

A01J830 Type 108.....Net, ea. .02

M INSULATED BANANA PLUG. Phosphor bronze, nickel-plated spring. Solder or solderless connection. Fits standard and banana jacks. $1\frac{1}{2}$ " overall. Specify color: red, black, yellow, green, blue.

A49J206 Type 212 Black.....Net, ea. .21

A49J306 Type 212 Red.....Net, ea. .21

N INSULATED BANANA PLUGS. Molded bakelite handle nickel-plated plug, spring type. Set screw provided. $1\frac{1}{16}$ " overall. Fits standard banana jacks. Spring 4-leaved phosphor bronze or beryllium copper.

| Cat. No. | Type | Description | Net | 10 for |
|----------|------|-------------|-----|--------|
| A01J818 | 204 | red | .18 | 1.75 |
| A01J982 | 204 | yellow | .18 | 1.75 |
| A01J984 | 204 | green | .18 | 1.75 |
| A01J819 | 204 | black | .18 | 1.75 |
| A01J983 | 204 | blue | .18 | 1.75 |

MUELLER ALLIGATOR CLIPS



Q ALLIGATOR: Accurately made, slim jaws, fine meshing teeth. Barrel takes banana plug, steel cadmium plated except 60-CS solid copper, 2" long $\frac{5}{16}$ " jaw spread.

| Cat. No. | Type | Connection | Net | 10 for |
|----------|-------|------------|-----|--------|
| A32H774 | 60-S | screw | .08 | .58 |
| A32H775 | 60 | solder | .07 | .50 |
| A32H776 | 60-CS | screw | .12 | .84 |

P ALLIGATOR INSULATED BARREL. Similar to above, except insulating handle on barrel. Screw connection type 60-HS steel, cadmium plated, 60-CHS solid copper. $2\frac{1}{2}$ " long.

| Cat. No. | Type | Description | Net | 10 for |
|----------|--------|-------------|-----|--------|
| A32H777 | 60-HS | red | .12 | .84 |
| A32H778 | 60-HS | black | .12 | .84 |
| A32H779 | 60-CHS | red | .15 | 1.05 |
| A32H780 | 60-CHS | black | .15 | 1.05 |

Q WEE PEE WEE. Phosphor bronze, brass screw entirely non-ferrous. Ideal for coils and high frequency work. $1\frac{1}{16}$ " long and $\frac{5}{32}$ " jaw spread.

A32H783 Type 88 .22 ea., 10 for... 1.50

R CROCODILE Teeth mesh along entire length of jaw, gives solid contact. Type 85 is steel, cadmium plated. Type Type 85T has standard phone tip end of one jaw. Screw connections $\frac{5}{16}$ " jaw spread.

| Cat. No. | Type | Description | Net | 10 for |
|----------|------|-----------------------|-----|--------|
| A32H781 | 85 | $2\frac{1}{2}$ " long | .09 | .60 |
| A32H782 | 85-T | $2\frac{1}{2}$ " long | .21 | 1.50 |

S HEAVY DUTY BATTERY CLIPS. For battery applications, grounding and test work involving high current loads. Clips have solid copper shunt to protect spring and are marked plus or plain for polarity indication (33-o plain only). 21C and larger have lug connection. Suffix Letter A denotes lead plating, Letter C denotes solid copper. *Steel †Copper

| Cat. No. | Type | Amps | L.D. | Net | 10 for |
|----------|-------|------|-------------------------------------|------|--------|
| A32H790 | 24-A* | 25 | $2\frac{3}{8}$ " x $\frac{1}{2}$ " | .22 | 1.50 |
| A32H791 | 24-C† | 50 | $2\frac{3}{8}$ " x $\frac{1}{2}$ " | .34 | 2.40 |
| A32H792 | 21-A* | 50 | $4\frac{1}{2}$ " x $1\frac{1}{2}$ " | .40 | 2.80 |
| A32H793 | 21-C† | 100 | $4\frac{1}{2}$ " x $1\frac{1}{2}$ " | .91 | 6.40 |
| A32H794 | 11-A* | 100 | $6\frac{1}{2}$ " x $1\frac{1}{2}$ " | 1.00 | 7.00 |
| A32H795 | 11-C† | 200 | $6\frac{1}{2}$ " x $1\frac{1}{2}$ " | 1.70 | 11.90 |
| A32H813 | 33-C† | 300 | $7\frac{1}{2}$ " x $2\frac{1}{2}$ " | 3.25 | 22.80 |

T NEEDLE CLIP. Beryllium copper needle in one jaw pierces insulation to make immediate electrical contact. Ideal for phone lineman, auto trailer light hook-up, lab test, etc. Solid bronze, brass screw.

A32H810 Type 50-C .26 ea. 10 for... 1.80

U CLIP INSULATOR. Made of tough, flexible vinyl, convenient protection against short circuit and electric shock. Specify red or black. Additional colors: blue, white, yellow, green available on special order at 10% advance over prices shown.

| Cat. No. | Type | Inc. No. | Net | 10 for |
|----------|-------------|----------|-----|--------|
| A32H803 | 11A/11C | 13 | .85 | 5.90 |
| A32H802 | 21A/21C | 23 | .46 | 3.20 |
| A32H801 | 24A/24C | 26 | .23 | 1.60 |
| A32H800 | 27/27C | 29 | .15 | 1.00 |
| A32H816 | 30/30C | 32 | .06 | .40 |
| A32H799 | 45/45C | 47 | .06 | .44 |
| A32H798 | 48B/48C/50C | 49 | .09 | .65 |
| A32H812 | 60/60C/60CS | 62 | .06 | .40 |
| A32H820 | 70/70S/70CS | 72 | .06 | .40 |
| A32H797 | 85/85C/85T | 87 | .06 | .44 |
| A32H796 | 88 | 93 | .12 | .80 |

Test Connectors E-Z-HOOK



TEST PROBE

A Built-in terminal board with special mounting lugs makes your own special test probe assemblies fast and easy. Tenite screw-on cover protects components and gives easy access to terminal board. Ideal for use with scopes, volt-ohm-meters, signal tracers, signal generators, sub boxes, etc.

A17J188 Red Net **1.39**
A17J189 Black Net **1.39**

E-Z HOOK

B No soldering necessary. Self-adjusting for quick, positive connections. Small, compact design and sliding action permits reaching crowded spots. Fully insulated. Nylon sliding safety shield provides maximum protection against adjacent shorts and allows positive connections anywhere.

A32H912 Mfrs. No. 61-1 Net **.49**

TEST AND PROD ADAPTER

C Similar to above but accepts test prod in end.

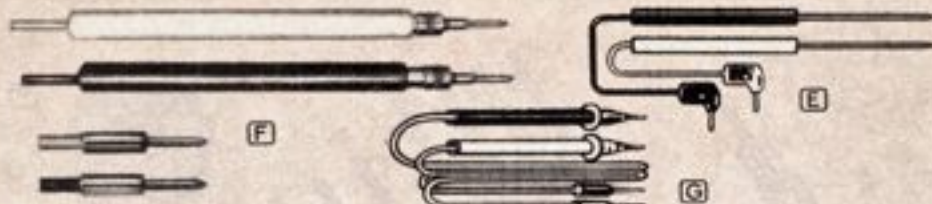
A32H478 Red Test Tip Net **.89**
A32H479 Black Test Tip Net **.89**

SUBSTITUTION CONNECTOR

D Designed for quick, easy temporary lead connections, substitute checks, experimental hookups, etc. Eliminates burnt insulation, lead twisting, frayed wires. Red, black, blue, green, orange, yellow for easy lead identification.

A32H914 Type 71 Net **.69**

H. H. SMITH Test Leads



SLIM JIM TEST LEADS

E Type 698, 3/16" tips allow access to inaccessible areas. Tenite handles 4" long by 3/8" OD. Tips are insulated by spaghetti down to end. Plugs are meter tip type.

A32H839 Type 698 Net **1.14**

UNIVERSAL TEST LEAD KIT

Kit allows any combination of tips at both prod and plug end. Connectors and tips screw into threaded prod and plugs. Complete with four phone tips, two alligator clips, two needle tips, two banana plugs and two spade lugs. Ideal kit for the ham and experimenter as test leads double as connecting cables and will match any test equipment.

A32H824 Type 699 Net **2.40**

SOLDERLESS TEST LEADS

Solderless brass tips, 4"x3/8" molded tenite handle, 1" long molded bakelite plug. Both ends of leads solderless.

A32H826 Type 603 Net **1.26**

SOLDERLESS TIP TEST LEADS

F Handle 4"x3/8" molded tenite. Phone tips are solderless, nickel plated brass. Supplied with 50' wire rated 5000 V, one red, one black.

A32H902 Type 600 Net **.87**

TEST LEAD KIT

Each kit supplied with one pair of test leads. One end test prods, other end insulated banana plugs. Has two phone tips, two alligator clips, two spade lugs.

A32H829 Type 610 Net **1.76**

METER TEST LEADS

Features molded meter type tip plugs with tip 90° to cord. Prods are molded tenite 4" long x 3/8" OD. Prods use phone needle tips.

A32H818 Type 626 Net **1.35**

HIGH TENSION TEST LEADS

G Special fiber handles with finger guards allow use on high voltage circuits. Prods are 5" long x 1/2" OD. Plugs are nickel-plated brass phone tips, insulated by 1" long fiber handle.

A32H876 Type 620 Net **1.98**

CROCODILE CLIP TEST LEAD

Instead of prods, insulated crocodile clips are provided. Handles are spade lugs with 3/4" long tenite handle. 50' of 5000 V wire red and black supplied.

A32H831 Type 671 Net **1.20**

**Use Radio Shack's
EASY BUDGET PLAN
See Page 3 for details.**

Electrical Cords, Plugs and Receptacles



SCREWLESS PLUG

H Pin type plug requires no wire-stripping or screwdriver. Spring blades crimp to wire to form a fast, safe connection. Used for all home replacement purposes.

A51J010 Type 123. Brown Net **.09**
A51J011 Type 1231. Ivory Net **.11**

CUBE TAP

Bakelite, 1 1/4" square, wired together. Provides three outlets in same plane.

A51J012 Type 127 Net **.11**

SERVICE BLOCK

J Same size as type 127. 3 outlets. Bolts together to screw to cord. Bakelite body.

A51J013 Type 126 Net **.11**

FLAT PLUG

Flat standard plug, molded of bakelite. 3/4" thick x 1 1/16" dia. x 3 1/16" high. Solid brass blades.

A51J015 Type 763A Net **.06**

CORD RECEPTACLE

Bakelite receptacle attaches to cord to make an extension cord. Accepts standard two prong plug.

A51J014 Type 125 Net **.06**

RUBBER HANDLE PLUG

K Molded black rubber plug for heavy duty and unbreakable use. 1 1/8" dia. x 1 1/8" high, including grip handle. Brass blades.

A51J009 Type 1501 Net **.08**

PERMA-PLUG MULTIPLE OUTLET

L Converts wall outlets to a safe four outlet receptacle. 125v AC. Just one screw installs.

A51J051 Type 4013-1. Brown Net **.46**

TRIPLE OUTLET

M All bakelite in brown or ivory. Plugs into any standard flush outlet. Accommodates 3 flat or 2 round plugs.

A51J006 Type 62 Net **.15**

THREE WIRE GROUNDING ADAPTER

For grounding of portable electric equipment. Converts standard 2 wire outlets for immediate use with 3 wire grounding caps which have parallel blades and a U blade ground. Designed for use wherever the grounding of portable equipment is required on a standard 2 wire electrical system.

A51J007 Type 174 Net **.19**

THREE WAY EXTENSION CORD

N Standard #18, two conductor, 3-way extension cords, only totally molded. Plug and three-way female will not break or short, even when jumped on.

| Cat. No. | Description | Net |
|----------|-------------|-----|
| A47K966 | 6' Brown | .44 |
| A47K967 | 9' Brown | .51 |
| A47K968 | 12' Brown | .57 |
| A47K969 | 15' Brown | .63 |
| A47K970 | 6' White | .44 |
| A47K971 | 9' White | .51 |
| A47K972 | 12' White | .57 |
| A47K973 | 15' White | .63 |

TV CHEATER CORD

Allows power to be applied to TV chassis when back is removed. No. 18 brown rubber-covered lamp cord. Rubber plug and connector. Fits TV sets only.

A30K096 Type 8874. 6' Brown Net **.38**

ONE-WAY EXTENSION CORD

O Completely molded extension cords. 18-ft. gauge wire, 2 conductor. Ideal for light and medium duty extensions. Plugs and receptacle molded to cord. Cannot break.

| Cat. No. | Description | Type | Net |
|----------|-------------|------|------|
| A47K946 | 9' Rubber | SU | .63 |
| A47K947 | 12' Rubber | SU | .77 |
| A47K948 | 10' Rubber | SJ | .76 |
| A47K949 | 25' Rubber | SJ | 1.00 |

BELDEN Wire, Cable & Twinlead



A PLASTIC COVERED MICROPHONE AND SHIELDED POWER SUPPLY CABLES. Low capacitance, low loss combined with high tensile strength and small size. Lightweight. Tinned copper polyethylene insulation, tinned copper braid shield, chrome vinyl jacket. 1 Conductor, 24 AWG, 2 Conductor 22AWG, 3 and 4 Conductor, 20 AWG.

| No. Cond. | 15' Spool Cat. No. | 25' Spool Net | 50' Spool Cat. No. | 100' Spool Net |
|-----------|--------------------|---------------|--------------------|----------------|
| 1 | A30K757 | .71 | A30K758 | 1.01 |
| 2 | A30K751 | .87 | A30K752 | 1.20 |
| 3 | A30K571 | 1.15 | A30K572 | 1.70 |
| 4 | A47K731 | 1.45 | A47K732 | 3.60 |
| | A47K735 | 1.50 | A47K736 | 4.05 |

B RUBBER COVERED MICROPHONE AND SHIELDED POWER SUPPLY CABLES. Extra limpness allows cable to lie flat on floor. Other features: great abrasion and impact resistance. Tinned copper, rubber insulation, tinned copper braid black jacket.

| Type | AWG Gage | No. Cond. | 15' Spool Cat. No. | 25' Spool Net | 50' Spool Cat. No. | 100' Spool Net |
|------|----------|-----------|--------------------|---------------|--------------------|----------------|
| 8410 | 25 | 1 | A30K754 | 1.35 | A30K755 | 2.10 |
| 8412 | 20 | 2 | A30K248 | 1.53 | A30K249 | 2.35 |
| 8426 | 18 | 2 | A30K245 | 1.75 | A30K246 | 2.85 |
| 8423 | 20 | 3 | A30K574 | 1.80 | | A30K575 4.80 |
| 8424 | 20 | 4 | A30K576 | 1.95 | | A30K577 5.65 |
| 8425 | 20 | 5 | A30K578 | 2.25 | | A30K579 6.70 |
| 8426 | 20 | 6 | A30K580 | 2.70 | | A30K581 8.20 |

C RUBBER COVERED MULTIPLE CONDUCTOR CABLES. Composed of rubber-insulated wires in cotton wrap with cord fillers rubber sheath. All No. 18 except † 3-No. 20, 2-No. 18.

| Type | Cond. | lbs. per 100' | 15' Spool Cat. No. | 25' Spool Net | 50' Spool Cat. No. | 100' Spool Net |
|-------|-------|---------------|--------------------|---------------|--------------------|----------------|
| 8452 | 2 | 4 1/2 | A30K584 | .98 | A30K585 | 2.50 |
| 8453 | 3 | 5 1/2 | A30K587 | 1.19 | A30K588 | 3.15 |
| 8454 | 4 | 6 | A30K589 | 1.45 | A30K590 | 3.75 |
| 8455† | 5 | 5 1/2 | A30K591 | 1.50 | A30K592 | 4.05 |

D MULTIPLE CONDUCTOR INTERCOM CABLES. Tinned copper, vinyl plastic insulated, cabled, chrome vinyl jacket. Waterproof, oil and weather resistant. *15' spool, type 8446.

| Type | No. of Cond. | AWG & Stranding | O.D. | 25' Spool Cat. No. | 100' Spool Net |
|------|--------------|----------------------------------|------|--------------------|----------------|
| 8443 | 3 | 22 1/7 x 301 | .190 | A30K593 | .83 |
| 8444 | 4 | 22 1/7 x 301 | .168 | A30K596 | .98 |
| 8445 | 5 | 22 1/7 x 301 | .180 | A30K597 | 1.16 |
| 8446 | 6 | 4-22 1/7 x 301 2-18 116 x 301 | .222 | A30K745* | 1.05 |

E BELDEN NYCLAD MAGNET WIRE. Combines features of form-var and nylon enamel. For difficult, exacting windings. Will out-perform other types in: ability to withstand winding abuse, forming operations; resistance to solvent action of insulating varnishes; resistance to softening at elevated temp; solvent crazing; windability 1 lb. spools. *1/4 lb. spools.

| Cat. No. | Size | Feet | Net | Cat. No. | Size | Feet | Net |
|----------|------|-------|------|----------|------|--------|------|
| A30K484 | 14 | 80 | 1.17 | A30K491 | 28 | 1,990 | 1.65 |
| A30K485 | 16 | 128 | 1.17 | A30K492 | 30 | 3,140 | 1.85 |
| A30K486 | 18 | 199 | 1.20 | A30K493 | 32 | 4,880 | 2.03 |
| A30K487 | 20 | 315 | 1.25 | A30K494 | 34 | 7,860 | 2.33 |
| A30K488 | 22 | 501 | 1.31 | A30K495 | 36 | 12,400 | 2.93 |
| A30K489 | 24 | 792 | 1.38 | A30K496 | 38 | 19,400 | 3.68 |
| A30K490 | 26 | 1,620 | 1.52 | A30K497 | 40 | 32,100 | 5.48 |

| BELDEN MAGNET WIRE—PLAIN ENAMELED 1/2 LB. SPOOLS | | | | | | | |
|--|------|------|------|----------|------|-------|------|
| Cat. No. | Size | Feet | Net | Cat. No. | Size | Feet | Net |
| A30K105 | 14 | 40 | 0.63 | A30K112 | 28 | 1,020 | .81 |
| A30K106 | 16 | 63 | .63 | A30K113 | 30 | 1,615 | .87 |
| A30K107 | 18 | 100 | .63 | A30K114 | 32 | 2,515 | .89 |
| A30K108 | 20 | 140 | .65 | A30K115 | 34 | 4,060 | .96 |
| A30K109 | 22 | 254 | .68 | A30K116 | 36 | 6,400 | 1.13 |
| A30K110 | 24 | 404 | .71 | A30K117 | *38 | 5,070 | .81 |
| A30K111 | 26 | 645 | .75 | A30K118 | *40 | 8,050 | 1.13 |

F BELDEN THERMOPLASTIC HOOK-UP WIRE Ordinary hook-up wire suitable for all general purpose wiring. High dielectric strength, high temperature stability, flexible at low temperatures, low moisture absorption. .016" insulation. Also available in orange, yellow, gray and violet.

| TYPE 8530—22 AWG SOLID | | | | | | | |
|------------------------|-----------|---------|---------|---------|---------|---------|-----|
| Feet | Nom. Dia. | Black | Brown | Red | Green | Blue | Net |
| 25 | .059" | A30K800 | A30K801 | A30K802 | A30K805 | A30K806 | .36 |
| 100 | | A30K810 | A30K811 | A30K812 | A30K815 | A30K816 | .74 |

| TYPE 8529—20 AWG SOLID | | | | | | | |
|------------------------|-----------|---------|---------|---------|---------|---------|-----|
| Feet | Nom. Dia. | Black | Brown | Red | Green | Blue | Net |
| 25 | .016" | A30K820 | A30K821 | A30K822 | A30K825 | A30K826 | .44 |
| 100 | | A39K830 | A30K831 | A30K832 | A30K835 | A30K836 | .96 |

| TYPE 8524—22 AWG 7 X 30 STRANDED | | | | | | | |
|----------------------------------|-----------|---------|---------|---------|---------|---------|-----|
| Feet | Nom. Dia. | Black | Brown | Red | Green | Blue | Net |
| 25 | .064" | A30K840 | A30K841 | A30K842 | A30K845 | A30K846 | .39 |
| 100 | | A30K850 | A30K851 | A30K852 | A30K855 | A30K856 | .93 |

| TYPE 8523—20 AWG 10 X 30 STRANDED | | | | | | | |
|-----------------------------------|-----------|---------|---------|---------|---------|---------|------|
| Feet | Nom. Dia. | Black | Brown | Red | Green | Blue | Net |
| 25 | .072" | A30K860 | A30K861 | A30K862 | A30K865 | A30K866 | .48 |
| 100 | | A30K870 | A30K871 | A30K872 | A30K875 | A30K876 | 1.05 |

| TYPE 8522—18 AWG 16 X 30 STRANDED | | | | | | | |
|-----------------------------------|-----------|---------|---------|---------|---------|---------|------|
| Feet | Nom. Dia. | Black | Brown | Red | Green | Blue | Net |
| 25 | .081" | A30K880 | A30K881 | A30K882 | A30K885 | A30K886 | .48 |
| 100 | | A30K890 | A30K891 | A30K892 | A30K895 | A30K896 | 1.23 |

SPEAKER CONNECTOR WIRE

G BELDEN #24 standard two parallel conductors similar in appearance to zip cord. This very small (.058"x.115") was designed for speaker connections. Chrome colored jacket.

| Cat. No. | Type | Spool | Net Ea. |
|----------|-----------|-------|---------|
| A30K064 | *8782-25 | 25' | .53 |
| A30K065 | *8782-50 | 50' | .78 |
| A30K066 | *8782-100 | 100' | 1.23 |

*Note: Not for 110V use!

G TYPE 8462—ZIP CORD, RUBBER PARALLEL LAMP CORD 18AWG. 41 x 34 stranded bare copper parallel conductors with brown rubber integral insulation and jacket. Cotton wrap. Size .123 x .223" O.D. UL-Type SP-1 (FOSJ-64).

| | | |
|---------|------------|------|
| A47K727 | Spool 25' | 1.02 |
| A47K228 | Spool 100' | 2.95 |

G TYPE 8888 PLASTIC LAMP CORD. Gray vinyl plastic, 18 gage 41 x 34 stranded bare copper conductor. 2 conductors parallel. SPT-1 (POT-64) Size: .110" x .214" O.D.

| | | |
|---------|------------|------|
| A47K229 | Spool 25' | .86c |
| A47K730 | Spool 100' | 2.33 |

H BELDEN HOOKUP WIRE ON RACKS: Different colored spools of Belden wire conveniently placed on a metal rack for wall or bench mounting. The perfect kit for the lab, hobbyist, serviceman or engineer.

TYPE 8822: Ten 25' spools of type 8529. One each of black, brown, gray, green, light blue, orange, red, violet, white, yellow. 20 AWG stranded tinned copper wire. Meets MIL-W-76A. .016" Wall Vinyl Thermoplastic Insulation.

A47K911 Net 4.40

TYPE 8823: Five 100' spools of type 8529. One each black, green, light blue, red, white. 20 AWG solid tinned copper wire. Meets MIL-W-76A. .016" Wall Vinyl Thermoplastic Insulation.

A47K912 Net 4.80

TYPE 8824: Eight 25' spools of type 8523. One each of black, brown, green, light blue, orange, red, white, yellow. 20 AWG stranded tinned copper wire. Meets MIL-W-76A. .016" Wall Vinyl Thermoplastic Insulation.

A47K913 Net 3.84

No Braid! Shielded! Wire and Tubing

New Conductive Vinyl Shielding



ELECTRO-VINYL SHIELDED WIRE & TUBING—Here's the new, exclusive, revolutionary shielded wire and tubing by DE Wire Co. This conductive vinyl looks like plastic insulation but is really highly effective shielding. It eliminates copper braid entirely. Connections to shield are simplified by use of a drain wire running the length of the shielding. This provides a single wire connection at both ends rather than the twisted broken strands so common with copper shielding. It can be cut with wire strippers like insulation—to leave the drain wire free for connections. Gives 100% shielding at lower cost, lighter weight, greater flexibility and eliminates broken end wires.

A ELECTRO VINYL SHIELDING TUBING—Light weight, flexible, easy and fast terminating conductive tubing with drain wire. A wide selection for protection of wire and cable from effects of heat, oil, corrosion, fungi, etc. Bends around sharp corners, with 100% coverage. Blocks off moisture flow. Replaces copper tubing and offers these advantages: Lower cost, comes circular (not flat), smooth walls allow wire to be pushed through, drain wire allows simple connection at either end. Metal cable clamps may be used at any point for additional grounds. This tubing, which looks like spaghetti, is an excellent shielding for both audio and RF.

| DE Wire I.D. | 25' Spool Cat. No. | Net | 50' Spool Cat. No. | Net | 100' Spool Cat. No. | Net |
|--------------|--------------------|------|--------------------|------|---------------------|------|
| 1101 1/8" | A47K424 | .55 | A47K425 | .76 | A47K426 | 1.44 |
| 1102 1/4" | A47K427 | 1.05 | A47K428 | 1.77 | A47K429 | 2.91 |
| 1103 3/8" | A47K430 | 1.36 | A47K431 | 2.10 | A47K432 | 3.78 |
| 1104 1/2" | A47K433 | 2.25 | A47K434 | 3.75 | A47K435 | 6.25 |

B INSULATED ELECTRO VINYL TUBING—Similar to above but has a PVC jacket overall for insulation, #26 drain wire provides connections at either end. 10' spool.

| I.D. | 25' Spool Cat. No. | Net | 50' Spool Cat. No. | Net | 100' Spool Cat. No. | Net |
|-----------|--------------------|------|--------------------|------|---------------------|------|
| 1201 1/8" | A47K436* | .91 | A47K437 | 1.95 | A47K438 | 2.55 |
| 1202 1/4" | A47K439 | 1.83 | A47K440 | 3.05 | A47K441 | 5.08 |
| 1203 3/8" | A47K442 | 2.46 | A47K443 | 4.11 | A47K444 | 6.83 |
| 1204 1/2" | A47K445 | 2.69 | A47K446 | 4.47 | A47K447 | 8.70 |

SHIELDED MICROPHONE AND INTERCONNECTION CABLES

C Electro vinyl shielding eliminates all the problems of ordinary copper shielding. This chrome vinyl jacketed wire is excellent for single conductor microphone, hi-fi connector cords, shielded interconnecting and power supply cables, remote control circuits, strain gauges. Lower capacitance, lower loss, lowest price, long flex life and high tensile strength. .144" O.D. Grey vinyl jacket overall.

| Cat. No. | Type | Feet | Net |
|----------|------|------|-------|
| A47K400 | 1506 | 15 | .65 |
| A47K401 | 1506 | 25 | .90 |
| A47K402 | 1506 | 50 | 1.45 |
| A47K403 | 1506 | 100 | 2.75 |
| A47K404 | 1506 | 500 | 12.00 |

D ELECTRO VINYL SHIELDED INTERCOM CABLE—Chrome jacketed wire for simple intercom hook-ups. Type 1702 has one electro vinyl shielded conductor, 2 unshielded conductors. Type 1701 has 4 conductors, #22 stranded, 2 shielded, 2 unshielded.

| Cat. No. | Type | Feet | Net |
|----------|------|------|-------|
| A47K419 | 1702 | 50 | 2.52 |
| A47K420 | 1702 | 100 | 4.50 |
| A47K421 | 1702 | 500 | 20.25 |
| A47K422 | 1701 | 100 | 5.50 |
| A47K423 | 1701 | 500 | 26.75 |

PLASTIC COVERED SHIELDED MULTIPLE CONDUCTOR WIRE. Electro vinyl shielded wire for microphone and intercom use. Provides small size and light weight with high strength. No. 2-conductor is 22 gauge. All others, 20 gauge. Grey vinyl jacket overall.

| No. Cdrts. | 15' Spool O.D. | 25' Spool Cat. No. | Net | 50' Spool Cat. No. | Net | 100' Spool Cat. No. | Net |
|------------|----------------|--------------------|------|--------------------|------|---------------------|------|
| 2 | .23 | A47K405 | 1.05 | A47K406 | 1.50 | A47K407 | 2.70 |
| 3 | .25 | A47K409 | 1.11 | | | A47K410 | 3.31 |
| 4 | .25 | A47K412 | 1.35 | A47K413 | 2.10 | A47K414 | 3.65 |
| 5 | .275 | A47K416 | 1.68 | | | A47K417 | 4.25 |
| | | | | | | A47K418 | 9.00 |

TWINLEAD, COAXIAL CABLE, TUBING & CABLE CLAMPS



BELDEN WELDOHM TWIN-LEAD, Type 8230 "Weldohm"—for use in TV installations requiring long runs from receiving antennas. Copper-coated steel wire, flexible stranding, conductors parallel, polyethylene insulation. Has over 2 1/2 times the flex-life and over 1 1/2 times the breaking strength of ordinary twin-lead.

| Cat. No. | Feet | Net |
|----------|------|------|
| A30K776 | 50 | 1.23 |
| A30K777 | 75 | 1.70 |
| A30K354 | 100 | 2.13 |

BELDEN 300-OHM TWIN-LEAD, Type 8225—for use with TV and FM receiving antennas. Very low losses at high frequencies. Bare flexible copper stranded parallel conductors, polyethylene plastic.

| Cat. No. | Feet | Net |
|----------|------|------|
| A30K774 | 50 | 1.16 |
| A30K775 | 75 | 1.56 |
| A30K047 | 100 | 1.92 |

BELDEN 150-OHM TWIN-LEAD, Type 8224—same construction as 8225 above. For use with receiving antennas, matching transformer, experimental hf uses.

| | | |
|---------|---------|----------|
| A30K046 | 100 ft. | Net 2.05 |
| A30K045 | 100 ft. | Net 2.05 |
| A30K398 | 500 ft. | Net 9.75 |

BELDEN 72-OHM TWIN-LEAD, Type 8222—High quality brown polyethylene jacket .075x.128" diam. Bare flexible copper stranded parallel conductors. For use with receiving antenna at high frequencies. Ship. wt. 1 1/2 lbs. per 100 ft.

E AMPHENOL COAXIAL CABLE—Highest quality, low loss coaxial cable for all RF applications. Popular amateur types listed. ALL RG numbers available from stock. Black vinyl jacket, copper shield and polyethylene jacket.

| Cat. No. | RG No. | Imp. Ohms | Net 1-99' | Net 100' up |
|----------|---------|-----------|-----------|-------------|
| A30K301 | RG8/U | 52 | .13 | .123 |
| A30K311 | RG8A/U | 50 | .16 | .15 |
| A30K303 | RG58/U | 54 | .056 | .052 |
| A30K287 | RG58A/U | 50 | .057 | .053 |
| A30K304 | RG59/U | 73 | .06 | .056 |

F AMPHENOL "AIR CORES"® 300 OHM TUBULAR TWIN LEAD. A patented Amphenol type, recommended because of low-loss, constant impedance, unaffected by adverse weather. Ideal for fringe areas and long length installations. Type 214-271.

| Cat. No. | Feet | Net |
|----------|------|------|
| A47K611 | 50 | 2.11 |
| A47K612 | 75 | 2.74 |
| A30K334 | 100 | 3.41 |

AMPHENOL KILOWATT AMATEUR TRANSMITTING AND COPPER CLAD TWIN-LEAD, Type 214-076 aid-core tubular twin-lead for transmitting, rated at 1 KW RF power and for deluxe receiving lead-in for fringe VHF or UHF TV areas. Type 214-023 is 75 ohm twin-lead for transmitting rated at 1 KW RF power. Type 214-022 is 300 ohm extra strength flat twin-lead with copper clad conductors. All prices per 100 ft.

| Cat. No. | Type | Net |
|----------|---------|------|
| A47K613 | 214-076 | 6.36 |
| A47K615 | 214-023 | 7.05 |
| A47K617 | 214-022 | 5.49 |

G ALPHEX PVC-105 PLASTIC TUBING, 25 ft. rolls of flexible spaghetti type plastic tubing, ideal for all insulating requirements. Resists temperatures from -30°C to 105°C. Standard colors: clear, black, and red, other colors on order. Features high dielectric strength. *Gauge indicates wire size accepted.

| Cat. No. | Type | *Gauge | I.D. | Net |
|----------|-----------|--------|------|-----|
| A47K062 | PVC105-24 | 24 | .022 | .51 |
| A47K064 | PVC105-22 | 22 | .027 | .51 |
| A47K066 | PVC105-20 | 20 | .034 | .53 |
| A47K068 | PVC105-18 | 18 | .042 | .54 |
| A47K070 | PVC105-16 | 16 | .053 | .57 |
| A47K072 | PVC105-14 | 14 | .066 | .59 |
| A47K074 | PVC105-13 | 13 | .076 | .60 |

H HOLUB NYLON CLAMPS. Make your wiring neater with Holub.® See drawing above.

| Cat. No. | Holub Type | For Use with Rigid Tube O.D. | "D"* | "E"* | Net per 100 |
|----------|------------|------------------------------|------|------|-------------|
| A27D406 | NPC-2 | 1/8" | .125 | .318 | 2.15 |
| A27D407 | NPC-3 | 3/16" | .187 | .378 | 2.27 |
| A27D408 | NPC-4 | 1/4" | .250 | .409 | 2.48 |
| A27D409 | NPC-5 | 5/16" | .312 | .441 | 2.70 |
| A27D410 | NPC-6 | 3/8" | .375 | .471 | 2.84 |
| A27D411 | NPC-7 | 7/16" | .437 | .519 | 3.02 |
| A27D412 | NPC-8 | 1/2" | .500 | .550 | 3.10 |
| A27D413 | NPC-9 | 9/16" | .562 | .592 | 3.68 |
| A27D414 | NPC-10 | 5/8" | .625 | .634 | 4.20 |
| A27D415 | NPC-11 | 11/16" | .687 | .676 | 4.43 |

New Easy Budget Plan
You can have more of the things you want quickly and conveniently through our Easy Time Plan . . . with up to 24 months to pay! Details are on page 3. Don't miss them!

FUSES, FUSE HOLDERS



(A) 3AG FUSES 250V. Quick-acting fuses for use in radio, auto-radios, amplifiers, etc. Diagonal element alignment. $1\frac{1}{4}$ " L. x $\frac{1}{8}$ " dia.

| Cat. No. | Amp. | Type | Pkg/5 | Cat. No. | Amp. | Type | Pkg/5 |
|----------|-----------------|---------|-------|------------------------------|-----------------|---------------|-------|
| A04N001 | $\frac{1}{2}$ | 312.062 | .62 | A04N009 | 2 | 312002 | .24 |
| A04N002 | $\frac{1}{2}$ | 312.125 | .62 | A04N010 | 3 | 312003 | .21 |
| A04N003 | $\frac{1}{2}$ | 312.250 | .41 | A04N011 | 4 | 312004 | .31 |
| A04N006 | $\frac{1}{2}$ | 312.187 | .62 | A04N012 | 5 | 312005 | .31 |
| A04N037 | .15 | 312.150 | .62 | A04N013 | 6 | 312006 | .31 |
| A04N038 | .175 | 312.175 | .62 | A04N040 | 8 | 312008 (125V) | .44 |
| A04N039 | $\frac{3}{16}$ | 312.300 | .41 | 3AG FUSES—32V OR LESS | | | |
| A04N004 | $\frac{3}{16}$ | 312.375 | .41 | A04N081 | 5 | 311005 | .16 |
| A04N005 | $\frac{3}{16}$ | 312.500 | .41 | A04N082 | 7 $\frac{1}{2}$ | 31107.5 | .16 |
| A04N006 | $\frac{3}{16}$ | 312.750 | .41 | A04N083 | 10 | 311010 | .16 |
| A04N007 | 1 | 312001 | .24 | A04N084 | 15 | 311015 | .16 |
| A04N008 | 1 $\frac{1}{2}$ | 31201.5 | .24 | A04N087 | 25 | 311025 | .19 |
| | | | | A04N086 | 30 | 311030 | .19 |

(B) 3AG SLO-BLO LITTELFUSES. 125V. New Slo-Blo fuses with high time-lag to withstand heavy surges; blows quickly on short; designed for circuits having high inductive or capacitive surges, as: magnets, solenoids, etc.

| Cat. No. | Amp. | Type | Pkg/5 | Cat. No. | Amp. | Type | Pkg/5 |
|----------|-------------------|---------|-------|---------------------------------|------------------|---------|-------|
| A04N206 | $\frac{1}{2}$ amp | 313.010 | 1.15 | A04N277 | .7 | 313.700 | .82 |
| A04N256 | $\frac{1}{2}$ | 313.032 | 1.15 | A04N262 | $\frac{1}{2}$ | 313.750 | .82 |
| A04N257 | $\frac{1}{2}$ | 313.062 | .82 | A04N214 | $\frac{5}{16}$ | 313.800 | .82 |
| A04N207 | $\frac{1}{2}$ | 313.100 | .82 | A04N215 | 1 | 313.001 | .82 |
| A04N258 | $\frac{1}{2}$ | 313.125 | .82 | Cat. No. Amp. Type Pkg/5 | | | |
| A04N220 | .15 | 313.150 | .82 | A04N263 | 1 $\frac{1}{4}$ | 3131.25 | .76 |
| A04N259 | .175 | 313.175 | .82 | A04N278 | 1.2 | 31301.2 | .76 |
| A04N260 | $\frac{1}{4}$ | 313.187 | .82 | A04N264 | 1 $\frac{1}{2}$ | 31301.5 | .76 |
| A04N208 | $\frac{3}{16}$ | 313.200 | .82 | A04N265 | 1 $\frac{1}{2}$ | 31301.6 | .76 |
| A04N209 | $\frac{3}{16}$ | 313.250 | .82 | A04N216 | 2 | 313002 | .76 |
| A04N210 | $\frac{3}{16}$ | 313.300 | .82 | A04N217 | 2 $\frac{1}{2}$ | 31302.5 | .62 |
| A04N261 | $\frac{3}{16}$ | 313.375 | .82 | A04N218 | 3 | 313003 | .62 |
| A04N211 | $\frac{3}{16}$ | 313.400 | .82 | A04N166 | 3 $\frac{3}{16}$ | 31303.2 | .62 |
| A04N212 | $\frac{3}{16}$ | 313.500 | .82 | A04N151 | 4 | 313004 | .62 |
| A04N213 | $\frac{3}{16}$ | 313.600 | .82 | A04N152 | 5 | 313005 | .62 |

(C) LITTELFUSE EXTRACTOR POSTS: Quicker, simpler method for mounting and changing fuses in panels. Screw-slot and finger operated knobs.

| Cat. No. | Type | For Fuse | Knob | Net | Cat. No. | Type | For Fuse | Knob/Net |
|----------|--------|----------|---------|-----|----------|--------|----------|-----------|
| A04N057 | 341001 | 3AG, 3AB | Slot | .42 | A04N276 | 342012 | 3AG, 3AB | Knob .30 |
| A04N058 | 342001 | 3AG, 3AB | Finger | .42 | A04N059 | 371001 | 8AG | Slot .42 |
| A04N224 | 342003 | 3AG | Mini.* | .36 | A04N060 | 372001 | 8AG | Finger.42 |
| A04N227 | 342008 | 3AG | Dust.** | .39 | A04N061 | 442001 | 4AG | Finger.83 |

*Miniature with finger knob.

**Miniature Dustproof.

(D) TYPE LC & W SLO-BLO TV FUSES: TV replacement fuses widely used in RCA, Admiral and GE sets. Identified by 2 small tabs on end of fuse. Impossible to insert wrong value—each value is a different size. *125V.

| SLO-BLO | | | | TYPE LC—125v | | | | 250v—*125v | | | | TYPE W | | | |
|----------|-----------|-----------------|-------|--------------|-----------|-----------------|-------|------------|-----------|-------|-------|----------|-----------|-------|-------|
| Cat. No. | Mfrs. No. | Amps. | Pkg/5 | Cat. No. | Mfrs. No. | Amps. | Pkg/5 | Cat. No. | Mfrs. No. | Amps. | Pkg/5 | Cat. No. | Mfrs. No. | Amps. | Pkg/5 |
| A04N121 | 333.250 | $\frac{1}{2}$ | .86 | A04N115 | 332.250 | $\frac{1}{2}$ | .49 | | | | | | | | |
| A04N123 | 333.300 | $\frac{3}{16}$ | .86 | A04N275 | 332.300 | $\frac{3}{16}$ | .49 | | | | | | | | |
| A04N124 | 333.400 | $\frac{3}{16}$ | .86 | A04N116 | 332.375 | $\frac{1}{2}$ | .49 | | | | | | | | |
| A04N272 | 333.500 | $\frac{1}{2}$ | .86 | A04N117 | 332.500 | $\frac{1}{2}$ | .49 | | | | | | | | |
| A04N125 | 333.600 | $\frac{3}{16}$ | .86 | A04N279 | 332.750 | $\frac{1}{2}$ | .49 | | | | | | | | |
| A04N126 | 333.700 | $\frac{3}{16}$ | .86 | A04N118 | 332001 | 1 | .27 | | | | | | | | |
| A04N127 | 333.750 | $\frac{3}{16}$ | .86 | A04N119 | 33201.1 | 1.1 | .27 | | | | | | | | |
| A04N273 | 333001 | 1 | .86 | A04N120 | 332002 | 2 | .27 | | | | | | | | |
| A04N274 | 3331.25 | 1 $\frac{1}{2}$ | .78 | A04N280 | 33202.5 | 2 $\frac{1}{2}$ | .27 | | | | | | | | |
| A04N128 | 33301.6 | 1 $\frac{1}{2}$ | .78 | A04N121 | 332005 | 5 | .36 | | | | | | | | |
| A04N129 | 333002 | 2 | .78 | A04N122 | 332007* | 7 | .36 | | | | | | | | |

(E) 3 AG REGULAR AND SLO-BLO PIGTAIL LITTELFUSES. Quick-acting fuses with $1\frac{1}{2}$ " No. 20 tinned copper leads or pigtailed for use in television receivers.

| 3AG PIGTAIL FUSES | | | | 3AG SLO-BLO PIGTAIL FUSES | | | |
|-------------------|---------|----------------|-------|---------------------------|---------|---------------|-------|
| Cat. No. | Amp. | Type | Pkg/5 | Cat. No. | Amp. | Type | Pkg/5 |
| A04N141 | 318.250 | $\frac{1}{2}$ | .62 | A04N140 | 315.250 | $\frac{1}{4}$ | 1.03 |
| A04N134 | 318.500 | $\frac{1}{2}$ | .62 | A04N130 | 315.500 | $\frac{1}{2}$ | 1.03 |
| A04N135 | 318.750 | $\frac{3}{16}$ | .62 | A04N131 | 315001 | 1 | 1.03 |
| A04N136 | 318001 | 1 | .46 | A04N132 | 315002 | 2 | .97 |
| A04N137 | 318002 | 2 | .46 | A04N133 | 315004 | 4 | .73 |

(F) AUTO LITTELFUSES SFE: Medium speed fuses made to size—specifications of Society of Automotive Engineers.

| Cat. No. | A. | Type | Size, In. | Pkg/5 | Bakelite Auto Fuse Retainer |
|----------|---------|---------|-------------------------------------|-------|--------------------------------|
| A04N046 | 4 | 307004 | $\frac{1}{2}$ dia. x $\frac{3}{8}$ | .17 | Cat. No. SFE Fuse Included Net |
| A04N047 | 6 | 307006 | $\frac{1}{2}$ dia. x $\frac{3}{8}$ | .17 | |
| A04N288 | 7 | 30307.5 | | .16 | |
| A04N048 | 9 | 307009 | $\frac{1}{2}$ dia. x $\frac{3}{8}$ | .16 | |
| A04N049 | 14 | 307014 | $\frac{1}{2}$ dia. x $1\frac{1}{8}$ | .14 | |
| A04N050 | 20 | 307020 | $\frac{1}{2}$ dia. x $1\frac{1}{8}$ | .14 | |
| A04N051 | 30 | 307030 | $\frac{1}{2}$ dia. x $1\frac{1}{8}$ | .19 | |
| A04N144 | 155009A | 9 amp. | | .30 | |
| A04N145 | 155014A | 14 amp. | | .30 | |
| A04N146 | 155020A | 20 amp. | | .30 | |

LITTELFUSE TV SNAP-ON FUSE HOLDER—Snap-on fuse holder for quick replacement of TV pigtail fuses. Snap on one side of holder on blown pigtail fuse in set—snap replacements in other side—and the job is done.

A04N147 Littelfuse A094024.....Net .18

(G) EL Menco FUSED PLUGS: Standard size plug which contains two fuses to provide complete protection. UL approved. Takes Littelfuse 3 AG and 3 AB up to 20 amps.

A04N301 Fused PlugNet .30



Neon Glow Lamps

Provide brilliant red glow. Both electrodes glow on AC, only one on DC. Used in testers, as pilot lights, voltage regulators, night lamps and stroboscopes. For 105-125 volts AC/DC. Screw types have series resistor in base, all other types need external resistor.

| Cat. No. | Type | Watts | Bulb | Base | AC | DC | L. In. | Net | Box/10 |
|----------|---------|---------------|-------------------|-------------------|----|----|-----------------|------|--------|
| A00J417 | NE-2 | $\frac{1}{2}$ | T-2 | Wire Term. | 65 | 90 | 1 $\frac{1}{2}$ | .10 | .90 |
| A00J445 | NE-2A | $\frac{1}{2}$ | T-2 | Wire Term. | 65 | 90 | 1 $\frac{1}{2}$ | .10 | .90 |
| A00J447 | NE-2H* | $\frac{1}{2}$ | T-2 | Wire Term. | 65 | 90 | 1 $\frac{1}{2}$ | .12 | 1.00 |
| A00J418 | NE-51 | $\frac{1}{2}$ | T-3 $\frac{1}{2}$ | S.C. Base Min. | 65 | 90 | 1 $\frac{1}{2}$ | .21 | 1.89 |
| A00J427 | NE-51H* | $\frac{1}{2}$ | T-3 $\frac{1}{2}$ | S.C. Base Min. | 65 | 90 | 1 $\frac{1}{2}$ | .23 | 2.10 |
| A00J448 | NE-7 | $\frac{1}{4}$ | T-4 $\frac{1}{2}$ | Wire Term. | 55 | 70 | | .73 | 5.60 |
| A00J429 | NE-57 | $\frac{1}{4}$ | T-4 $\frac{1}{2}$ | Cond. Screw | 55 | 70 | 1 $\frac{1}{2}$ | .99 | 8.91 |
| A00J421 | NE-48 | $\frac{1}{4}$ | T-4 $\frac{1}{2}$ | D.C. Bay. Cnd. | 65 | 90 | 1 $\frac{1}{2}$ | .70 | 6.30 |
| A00J422 | NE-45 | $\frac{1}{4}$ | T-4 $\frac{1}{2}$ | Cond. Screw | 65 | 90 | 1 $\frac{1}{2}$ | .85 | 7.65 |
| A00J423 | NE-21 | $\frac{1}{4}$ | T-4 $\frac{1}{2}$ | S.C. Base Cd. | 55 | 70 | 1 $\frac{1}{2}$ | .95 | 8.55 |
| A00J444 | NE-17 | $\frac{1}{4}$ | T-4 $\frac{1}{2}$ | D.C. Bay. | 55 | 75 | 1 $\frac{1}{2}$ | .90 | 8.10 |
| A00J429 | NE-30 | 1 | G-10 | Med. Screw | 60 | 85 | 2 $\frac{1}{2}$ | 1.20 | 10.80 |
| A00J430 | NE-31 | 1 | G-10 | Cond. Screw | 60 | 85 | 2 $\frac{1}{2}$ | 2.98 | 26.82 |
| A00J431 | NE-32 | 1 | G-10 | D.C. Bay. Cnd. | 60 | 85 | 2 $\frac{1}{2}$ | 1.20 | 10.80 |
| A00J432 | NE-34 | 2 | S-14 | Med. Screw | 60 | 85 | 3 $\frac{1}{2}$ | 1.85 | 16.65 |
| A00J434 | NE-36 | 2 | S-14 | Sx. D.C. Bay. Cd. | 60 | 85 | 3 $\frac{1}{2}$ | 2.40 | 21.60 |
| A00J435 | NE-40 | 3 | S-14 | Med. Screw | 60 | 85 | 3 $\frac{1}{2}$ | 2.70 | 24.30 |

*High Brightness.

Incandescent Lamps

All are miniature screw base except as noted.

| Cat. No. | Type | Volts | Amp. | Base | Bulb Style | Net | Box of 10 |
|----------|-------------------|-------|--------|----------|--------------------|-----|-----------|
| A00J525 | PR-2 | 2.4 | 0.50 | S.C.F. | B-3 $\frac{1}{2}$ | .20 | 1.22 |
| A00J526 | PR-3 | 3.6 | 0.50 | S.C.F. | B-3 $\frac{1}{2}$ | .20 | 1.22 |
| A00J527 | PR-4 | 2.3 | 0.27 | S.C.F. | B-3 $\frac{1}{2}$ | .20 | 1.22 |
| A00J528 | PR-6 | 2.5 | 0.30 | S.C.F. | B-3 $\frac{1}{2}$ | .20 | 1.22 |
| A00J493 | PR-12 | 5.95 | 0.50 | S.C.F. | B-3 $\frac{1}{2}$ | .20 | 1.22 |
| A00J494 | PR-13 | 4.75 | 0.50 | S.C.F. | B-3 $\frac{1}{2}$ | .20 | 1.22 |
| A00J495 | 1458 | 20.00 | 0.25 | Baynt. | G-5 | .20 | 1.22 |
| A00J380 | 13 | 3.8 | 0.30 | Screw | G-3 $\frac{1}{2}$ | .20 | 1.04 |
| A00J379 | 14 | 2.5 | 0.30 | Screw | G-3 $\frac{1}{2}$ | .20 | 1.04 |
| A00J388 | 50 | 6.8 | 1 c.p. | Screw | G-3 $\frac{1}{2}$ | .15 | .92 |
| A00J389 | 51* | 6.8 | 1 c.p. | Baynt. | G-3 $\frac{1}{2}$ | .15 | .92 |
| A00J390 | 55* | 6.8 | 2 c.p. | Baynt. | G-4 $\frac{1}{2}$ | .15 | .92 |
| A00J403 | 81 $\frac{1}{2}$ | 6.8 | 6 c.p. | S.C. Bay | G-6 | .25 | 1.53 |
| A00J480 | 112 $\frac{1}{2}$ | 1.1 | 0.22 | Screw | TL-3 | .17 | 1.04 |
| A00J481 | 136 | 1.3 | 0.60 | Screw | G-4 $\frac{1}{2}$ | .17 | 1.04 |
| A00J406 | 222 $\frac{1}{2}$ | 2.2 | 0.25 | Screw | TL-3 | .17 | 1.04 |
| A00J484 | 223 | 2.2 | 0.25 | Screw | FE-3 $\frac{1}{2}$ | .17 | 1.04 |
| A00J485 | 224 | 2.15 | 0.22 | Special | TL-2 $\frac{1}{2}$ | .17 | 1.04 |
| A00J407 | 233 | 2.2 | 0.27 | Screw | G-3 $\frac{1}{2}$ | .17 | 1.04 |
| A00J486 | 248 | 2.4 | 0.80 | Screw | G-5 $\frac{1}{2}$ | .20 | 1.22 |

*Min. bayonet type.

†Single contact bayonet.

‡Pre-focus penlite type.

DIALCO LAMP ASSEMBLIES—G.E. LAMPS

S-6 CANDELABRA BASE LAMPS



TYPE S-6 120 volts, 6 watts, life 1500 hours, clear glass, low current drain, 1 1/2" long. Ship. wt. 4 oz.
 A00J397 S-6 12 for 2.40, ea. .22
 As above but rated 3 watts.
 A00J398 356 12 for 3.48, ea. .35
 As above, but operates 230V ac/dc, rated 10 watts.
 A00J399 10W56 12 for 5.64, ea. .52



TYPE 31-18-16

Friction-fit lens holder permits replacement of lamp from front of panel. Solder lug provided at base of socket. Faceted lens. Requires a 1" mounting clearance hole. Front projection 3/16", back projection 2", overall width 1 1/16".
 A00J306 Red Net .83
 A00J307 Green83

115 VOLT 1 INCH SERIES 75

Candelabra screw base lamp holder. Lamps are replaceable from either the front or back of the panel. Faceted lens. Requires 1" mounting hole. Lens holder is friction fit push-in type. Front projection 5/16", back projection 1 3/8", overall width 1 1/16".

| Cat. No. | Description | Net Ea. | Box of 10 |
|----------|-------------|---------|-----------|
| A00J319 | Red | .70 | 6.30 |
| A00J320 | Green | | |
| A00J321 | Amber | | |



SERIES 314001 CANDELABRA SOCKET

Takes S-6 incandescent bulbs with candelabra screw base for 6-126 volts. Faceted lens. Steel hex mounting nut and steel split washer. Soldering terminals. Mounts in 1" hole. Front projection 1 3/16", back projection 2 5/16".

| Cat. No. | Type | Net Ea. | Box of 10 |
|----------|------------------|---------|-----------|
| A00J313 | 314001-431 Red | 1.03 | 9.30 |
| A00J314 | 314001-432 Green | | |
| A00J315 | 314001-433 Amber | | |
| A00J316 | 314001-437 Clear | | |



T-3 1/4 MINIATURE BAYONET NE-51 NEON LAMP

Fits type 95408 socket. NE-51H is high brightness type lamp.

| Cat. No. | Type | Volts | External resistance Req'd. ohms | Net |
|----------|--------|---------|---------------------------------|-----|
| A00J417 | NE-51 | 110-125 | 200,000 | .21 |
| A00J427 | NE-51H | 110-125 | 82,000 | .23 |

SERIES 95408 FOR NE-51

Has built in 50K ohm resistor (1/2 W) for use with the regular NE-51 Neon lamp on 105-125 volt circuits. Mounts in 1 1/16" clearance hole. Front projection 1/2", back projection 1 9/16".

| Cat. No. | Type | Description | Net Ea. |
|----------|-----------|-------------|---------|
| A00J323 | 95408-931 | Red | .97 |
| A00J324 | 95408-933 | Amber | .97 |
| A00J325 | 95408-935 | White | .97 |
| A00J326 | 95408-937 | Clear | .97 |



SIGNICO SOCKET ASSEMBLIES

Cadmium-plated brackets, tinned brass lugs. Bayonet type, furnished with coil spring construction for positive contact. Highest grade insulating washers.

MINIATURE SCREW

| Cat. No. | Type | Fig. | Net each |
|----------|------|------|--------------|
| A00J346 | 501 | A | .07 |
| A00J347 | 507 | B | .63 |
| A00J348 | 504 | C | 100 for 5.67 |
| A00J349 | 505 | D | |

MINIATURE BAYONET

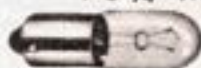
| Cat. No. | Type | Fig. | Net each |
|----------|------|------|--------------|
| A00J350 | 701 | A | .09 |
| A00J351 | 707 | B | 10 for .72 |
| A00J352 | 704 | C | 100 for 6.48 |
| A00J353 | 705 | D | |

CANDELABRA 115-VOLT

| Cat. No. | Type | Fig. | Net each |
|----------|------|------|--------------|
| A00J354 | 601 | A | .12 |
| A00J355 | 604 | C | 10 for .98 |
| A00J356 | 605 | D | 100 for 8.82 |



T-3 1/4 MINIATURE BAYONET LAMPS



Fits types 810B, 710 and 95410 sockets, shown below.

| Cat. No. | Type | Volts | Amps. | Hrs. Life | Net Ea. | Box of 10 |
|----------|------|-------|-------|-----------|---------|-----------|
| A00J386 | 43 | 2.5 | .50 | 3000 | .15 | 1.00 |
| A00J393 | 44 | 6.3 | .25 | 3000 | | |
| A00J395 | 45 | 3.2 | .35 | 3000 | | |
| A00J396 | 47 | 6.3 | .15 | 3000 | | |
| A00J392 | 49 | 2.0 | .06 | 1000 | | |
| A00J453 | 1490 | 3.2 | .16 | 3000 | | |
| A00J419 | 1829 | 28 | .07 | 1000 | .35 | 2.50 |

SERIES 810B MINIATURE BAYONET SOCKET

1/2" open type miniature socket assembly with faceted jewel. Requires 1 1/16" hole for mounting. Screw-in lens holder. Front projection 1 1/16", back projection 1 3/8", overall width 1 1/16". Has 2 tinned solder lugs. Lamps are replaceable from the front of the panel.

| Cat. No. | Description | Net Ea. | Box of 10 |
|----------|-------------|---------|-----------|
| A00J646 | Red | .32 | 2.90 |
| A00J647 | Green | | |
| A00J648 | Amber | | |



SERIES 710 MINIATURE BAYONET SOCKET

Miniature holder with 3/8" faceted lens. Lamps replaceable from back of panel. Requires 3/16" mounting hole. Has solder lugs. Front projection 9/16", back projection 1", overall height 1 1/16", overall width 1 1/16".

| Cat. No. | Description | Net Ea. | Box of 10 |
|----------|-------------|---------|-----------|
| A00J892 | Red | .21 | 1.90 |
| A00J893 | Green | | |
| A00J894 | Amber | | |



SERIES 95410 FOR T-3 1/4

Miniature bayonet base holder requires 1 1/16" mounting hole. Has short stovepipe lens, 5/8" dia. Front projection 1/2", back projection 1 9/16". Has 2 solder lugs.

| Cat. No. | Description | Net Ea. |
|----------|-------------|---------|
| A00J875 | Red | .97 |
| A00J876 | Green | |
| A00J877 | Amber | |
| A00J878 | Clear | |



T-3 1/4 MINIATURE SCREW LAMPS



Fits types 810 and 510 sockets, shown below.

| Cat. No. | Type | Volts | Amps. | Life Hrs. | Net Ea. | Box of 10 |
|----------|------|-------|-------|-----------|---------|-----------|
| A00J387 | 40 | 6.3 | .15 | 3000 | .15 | 1.00 |
| A00J385 | 41 | 2.5 | .5 | 3000 | | |
| A00J394 | 46 | 6.3 | .25 | 3000 | | |
| A00J391 | 48 | 2.0 | .06 | 1000 | | |

SERIES 810 MINIATURE SCREW SOCKET

1/2" open type miniature screw socket assembly with faceted lens. Requires 1 1/16" mounting hole. Front projection 1/2", back projection 1 9/16". Has solder lugs.

| Cat. No. | Description | Net Ea. | Box of 10 |
|----------|-------------|---------|-----------|
| A00J883 | Red | .32 | 2.90 |
| A00J884 | Green | | |
| A00J885 | Amber | | |



SERIES 510 MINIATURE SCREW SOCKET

3/8" faceted lens in nickel plated brass holder. Has solder lugs. Requires 3/16" mounting hole. Front projection 9/16", back projection 1", overall height 1 1/16", overall width 1 1/16". Lamps replaceable from back of panel.

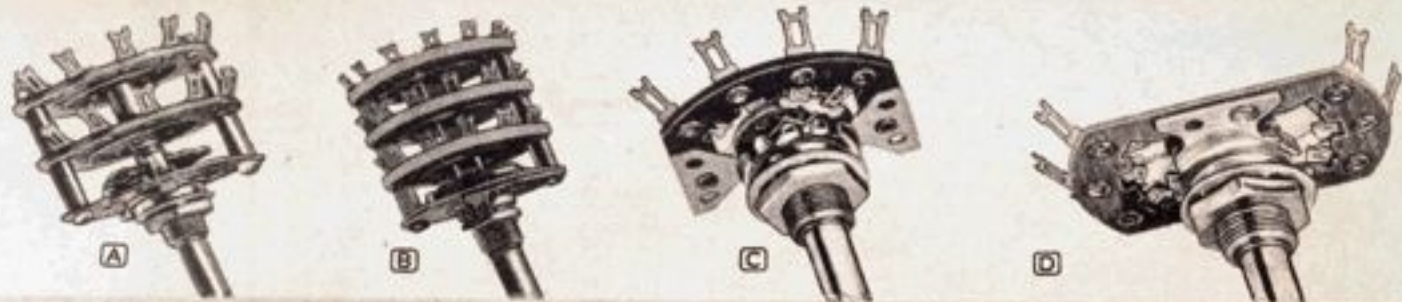
| Cat. No. | Description | Net Ea. | Box of 10 |
|----------|-------------|---------|-----------|
| A00J886 | Red | .21 | 1.90 |
| A00J887 | Green | | |
| A00J888 | Amber | | |



SOCKETS FOR NEON LAMPS

| Cat. No. | Base | Net | 10 for |
|----------|-----------------|-----|--------|
| A02J501 | Edison, Med. | .13 | 1.17 |
| A02J502 | Edison, Med. | .15 | 1.35 |
| A02J503 | Cand. Screw | .40 | 3.60 |
| A02J504 | Cand. Screw | .14 | 1.26 |
| *A02J505 | D.C. Bay. Cand. | .65 | 5.88 |
| A02J506 | D.C. Bay. Cand. | .67 | 6.03 |
| A02J507 | S.C. Bay. Cand. | .75 | 6.75 |
| †A02J508 | S.C. Bay. Min. | .08 | .72 |

*Hard rubber insert in metal shell. †For type NE-51 miniature lamp, provided with lug terminals and metal mtg. clip. SC, single contact; DC, double contact.



CENTRALAB General Purpose Switches

Miniature PHENOLIC Switches

A CENTRALAB ROTARY SWITCHES. Adjustable stop permits selection of positions or continuous rotation (11 active positions, 1 off-position). Rated 150 ma at 110 VAC. 6 watts. Shaft 1 1/8" from bushing. With 30° indexing.

| Shorting Cat. No. | Type PA. | Non-Shorting Cat. No. | Type PA. | Total Poles | Total Pos. | No. Sect. | Net Ea. |
|-------------------|----------|-----------------------|----------|-------------|------------|-----------|---------|
| A05N216 | 1000 | A05N347 | 1001 | 1 | 2-11 | 1 | 1.80 |
| A05N217 | 1002 | A05N348 | 1003 | 2 | 2-5 | 1 | 1.80 |
| A05N218 | 1004 | A05N349 | 1005 | 2 | 2-11 | 2 | 2.58 |
| A05N219 | 1006 | A05N350 | 1007 | 3 | 2-3 | 1 | 1.80 |
| A05N220 | 1008 | A05N351 | 1009 | 3 | 2-11 | 3 | 3.24 |
| A05N221 | 1010 | A05N352 | 1011 | 4 | 2 | 1 | 1.80 |
| A05N222 | 1012 | A05N353 | 1013 | 4 | 2-5 | 2 | 2.58 |
| A05N223 | 1014 | A05N354 | 1015 | 4 | 2-11 | 4 | 3.81 |
| A05N225 | 1018 | A05N356 | 1019 | 6 | 2-3 | 2 | 2.58 |
| A05N226 | 1020 | A05N357 | 1021 | 6 | 2-5 | 3 | 3.24 |
| A05N229 | 1026 | A05N360 | 1027 | 8 | 2-5 | 4 | 3.81 |
| A05N231 | 1028 | A05N362 | 1029 | 12 | 2 | 3 | 3.24 |
| A05N232 | 1032 | — | — | 12 | 2-5 | 6 | 5.04 |

Miniature STEATITE Switches

B CENTRALAB ROTARY SWITCHES. Rated 150 ma at 110VAC. Compact steatite rotary switches. Excellent r.f. characteristics. All metal parts except clips and contacts, cadmium-plated to withstand 25 hr. salt spray test. Index 30°; adjustable stop; 1 1/8" shaft. Ship. wt. 5 oz.

| Shorting Cat. No. | Type PA. | Non-Shorting Cat. No. | Type PA. | Gangs | Total Poles | Active Pos. per Pole | Net Ea. |
|-------------------|----------|-----------------------|----------|-------|-------------|----------------------|---------|
| A05N901 | 2006 | A05N922 | 2001 | 1 | 1 | 2-12 | 2.37 |
| A05N902 | 2002 | A05N923 | 2003 | 1 | 2 | 2-6 | 2.37 |
| A05N903 | 2004 | A05N924 | 2005 | 2 | 2 | 2-12 | 3.39 |
| A05N904 | 2006 | A05N925 | 2007 | 1 | 3 | 2-5 | 2.37 |
| A05N905 | 2008 | A05N926 | 2009 | 3 | 3 | 2-12 | 4.32 |
| A05N906 | 2010 | A05N927 | 2011 | 2 | 4 | 2-6 | 3.39 |
| A05N907 | 2012 | A05N928 | 2013 | 4 | 4 | 2-12 | 5.19 |
| A05N908 | 2014 | A05N929 | 2015 | 1 | 5 | 2-3 | 2.37 |
| A05N909 | 2016 | A05N930 | 2017 | 5 | 5 | 2-12 | 6.18 |
| A05N910 | 2018 | A05N931 | 2019 | 1 | 6 | 2 | 2.37 |
| A05N911 | 2020 | A05N932 | 2021 | 2 | 6 | 2-5 | 3.39 |
| A05N912 | 2022 | A05N933 | 2023 | 3 | 6 | 2-6 | 4.32 |
| A05N913 | 2024 | A05N934 | 2025 | 6 | 6 | 2-12 | 7.20 |
| A05N914 | 2026 | A05N935 | 2027 | 4 | 8 | 2-6 | 5.19 |
| A05N915 | 2030 | A05N937 | 2031 | 2 | 10 | 2-3 | 3.39 |
| A05N916 | 2036 | A05N940 | 2037 | 6 | 12 | 2-6 | 7.20 |
| A05N917 | 2038 | A05N941 | 2039 | 3 | 15 | 2-3 | 4.68 |
| A05N918 | 2040 | A05N942 | 2041 | 3 | 18 | 2 | 4.68 |

CENTRALAB Form-Your-Own Switches

CENTRALAB SEPARATE STEATITE SECTIONS—Use with assemblies PA-300, 301, 302 for assembly of special units of your own special spacing, design. All 30° indexing.

| Poles | Positions | Shorting | | Non-Shorting | | Net Ea. |
|-------|-----------|----------|-------|--------------|-------|---------|
| | | Cat. No. | Type | Cat. No. | Type | |
| 1 | 2-12 | A05N206 | PA-0 | A05N214 | PA-1 | 1.20 |
| 2 | 2-6 | A05N207 | PA-2 | A05N215 | PA-3 | 1.20 |
| 3 | 2-5 | A05N208 | PA-4 | A05N234 | PA-5 | 1.20 |
| 5 | 2-3 | A05N209 | PA-6 | A05N235 | PA-7 | 1.20 |
| 6 | 2 | A05N210 | PA-8 | A05N236 | PA-9 | 1.20 |
| 1 | 2-5† | A05N211 | PA-10 | — | — | 1.20 |
| 1 | 2-11* | A05N212 | PA-11 | A05N237 | PA-18 | 1.20 |
| 1 | 2-10** | A05N213 | PA-12 | — | — | 1.20 |

†Unused contacts one side of common connected, shorted out.
*All unused contacts connected, shorted out.
**1 off. 9 progressively shorting positions pick up, hold.

CENTRALAB Separate Index Assemblies

Each index assembly contains all of the hardware necessary to combine with steatite sections above to form a complete custom switch. All assemblies also include pointer knob and adjustable stop plate.

| Cat. No. | Centralab | Rear Shaft | Selections | Indexing | Net Ea. |
|----------|-----------|---------------------------------|------------|----------|---------|
| A05N489 | PA-300 | 2" | 1 to 3 | 30° | 1.38 |
| A05N490 | PA-301 | 4" | 4 to 6 | 30° | 1.80 |
| A05N491 | PA-302 | 6" | 7 to 9 | 30° | 2.37 |
| A05N495 | PA-320 | Intersection shield (Fig. of 5) | — | — | .20 |

General Purpose Switches

Type 1460—SP2P, shorting contacts, positive index. Use as SPST or SPDT; phono-radio, tone, sensitivity control. 1 1/8" shaft incl. 5/8" bushing; 1 1/2" x 1 1/8". 5 oz.

A05N289 Type 1460.....Net, ea. 1.08

C Type 1461—SP3P, shorting positive index. For miniature and change, step-type tone or sensitivity control, P.A. channel selector. Shaft as above. 1 1/8" x 1 1/8". 5 oz.

A05N290 Type 1461.....Net, ea. 1.08

D Type 1462—DP2P, shorting, positive index. Use as SPST, SPDT, DPST, DPDT; meter reversing, P.A. channel, switching both lines on phono-radio control. Shaft as above, 1 1/8" x 1 1/8". 5 oz.

A05N291 Type 1462.....Net, ea. 1.08

Type 1463—SP2P, non-shorting contacts, spring return index, same size as 1460. For meter reversing, low-cost momentary intercom talk switch, etc. 1 1/8" x 1 1/8". 5 oz.

A05N444 Type 1463.....Net, ea. 1.08

Type 1464—DP2P, non-shorting contacts, spring return index. Same size as 1462. Use as meter switch and momentary line or remote speaker return on intercoms. 5 oz.

A05N434 Type 1464.....Net, ea. 1.08

Type 1465—Single pole, 4 position (3-active) with AC DPST line switch, shorting contacts, positive index. Used as replacement for "on-off." 3 step tone control switch in many AM and FM receivers.

A05N547 Type 1465.....Net, ea. 1.80

Type 1472—2 pole, 3 position, non-shorting contacts, positive index. Economical switch for AM/FM/phono selector to amplifier in custom installations.

A05N548 Type 1472.....Net, ea. 1.08

Type 1473—2 pole, 3 position, shorting contacts, positive index, same use as 1472.

A05N549 Type 1473.....Net, ea. 1.08

Type 1450—4-pole, 2-position rotary action flat switch, non-shorting, positive index. Economical space saving design requires only 1/8" behind panel; shaft as above. Can be used SPST and up to 4P 2 Pos.; phenolic ins., cadmium plated hardware; includes 1 1/8" black bar knob.

A05N292 Type 1450.....Net, ea. 1.26

Special Circuit Steatite Switches

Nine active contacts, all open in full CCW position and progressively picked up and shorted to common contact with CW rotation. Single pole, 2-10 positions, 1 pole per section, 1 section.

Type 2042—1 pole, 2-10 positions, 1 pole per section, 1 section. Shorting.

A05N542 Type 2042.....Net, ea. 2.16

Type 2048—Coin silver, clips and contacts, 2 pole, 2-12 positions, 1 pole per section, 1 section.

A05N543 Type 2048 Shorting.....Net, ea. 4.68

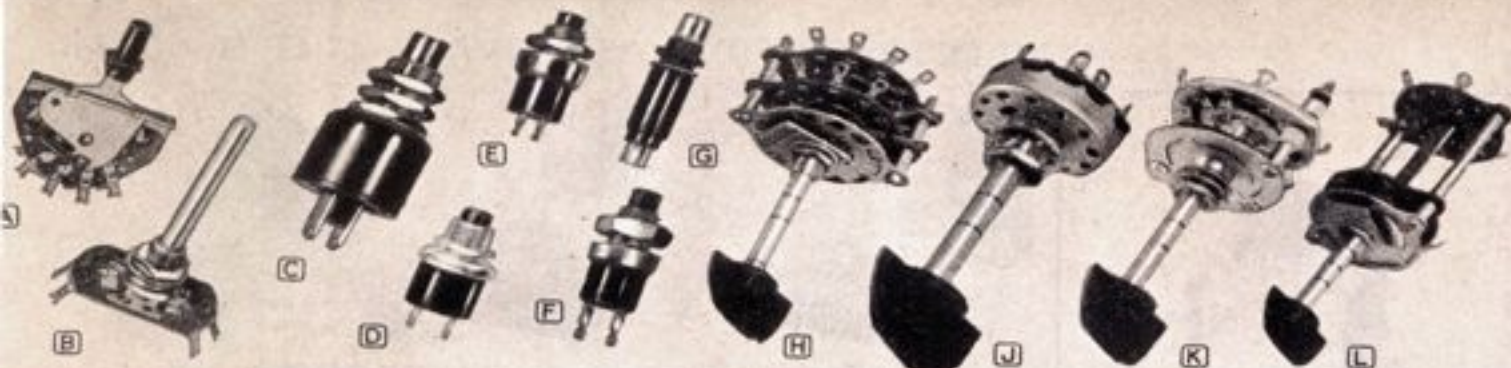
A05N544 Type 2049 Non-shorting.....Net, ea. 4.68

Type 2050—For switching dual lines; 2 poles, 4 positions, 1 pole per section, 2 sections.

A05N545 Type 2050 Shorting.....Net, ea. 2.37

Type 2052—Nine active contacts all shorted to common contacts, in full CCW position, and progressively opened and dropped with CW rotation. 1 pole, 2-10 positions, 1 pole per section, 1 section.

A05N546 Type 2052.....Net, ea. 2.16



CENTRALAB Lever Switches

(A) Low capacity, silvered contacts save panel space. Furnished with black Bakelite knob and mounting bolts. May be used singly or in groups.

SHORTING TYPE

| Cat. No. | Type | Poles | Positions | Index | Net |
|----------|------|-------|-----------|----------------|------|
| A05N275 | 1452 | 2 | 3 | Positive | 1.26 |
| A05N276 | 1453 | 2 | 3 | Spring-Return | 1.26 |
| A05N277 | 1456 | 4 | 2 | Spring-Return | 1.44 |
| A05N278 | 1459 | 4 | 2 | Positive | 1.44 |
| A05N279 | 1466 | 2 | 3 | Positive & S-R | 1.26 |

NON-SHORTING TYPE

| Cat. No. | Type | Poles | Positions | Index | Net |
|----------|------|-------|-----------|----------------|------|
| A05N280 | 1454 | 2 | 3 | Positive | 1.26 |
| A05N281 | 1455 | 2 | 3 | Spring-Return | 1.26 |
| A05N282 | 1457 | 4 | 2 | Spring-Return | 1.44 |
| A05N283 | 1458 | 4 | 2 | Positive | 1.44 |
| A05N284 | 1467 | 2 | 3 | Positive & S-R | 1.26 |

MOUNTING PLATES FOR ABOVE

| Cat. No. | Type | Size | Net |
|----------|-------------|----------------------|-----|
| A05N285 | P1755 | 1" x 2 3/4" | .30 |
| A05N286 | P1756 | 1 1/2" x 2 3/4" | .30 |
| A05N287 | P1757 | 3" x 2 3/4" | .30 |
| A05N288 | P1758 | 3" x 2 3/4" | .30 |
| A05N435 | P221 Chrome | 2" x 2 3/4" x 4 1/2" | .63 |
| A05N436 | P222 Chrome | 1" x 2 3/4" x 4 1/2" | .63 |

(B) TYPE 1483-SP 3 position switch for use with rear seat auto radio speaker. 1 amp at 6 V, silver plated contacts. 1" shaft.
A05N450.....Net, ea. .75

GRAYHILL Push-Button Switches

(C) SERIES 2000-Grayhill snap action, momentary contact, SPST. Rated to break 10 amps, 115 VAC resistive.
A05N896 Type 2201. Open Red.....Net ea. 1.85
A05N897 Type 2202. Closed Black.....Net ea. 1.85

(D) SERIES 4000-non-snap, momentary contact, SPST. Rated conservatively at 1/2 amp, 115 VAC resistive.
A05N893 Type 4001. Open Red button.....Net .70
A05N894 Type 4002. Closed Black button.....Net .70
BUTTON GUARD for 2000, 4000 switches.
A05N626 10C1015.....Net .25

(E) SERIES 23 MINIATURE PUSH-BUTTON SWITCH-Only 1.05" long overall. Mounts with 5/16-32 thread. Rated at 1/2 amp, 115 VAC. Non-snap, momentary contacts SPST normally open.
A05N895 Type 23-1.....Net .85

(F) SERIES 30 SUB-MINIATURE PUSH-BUTTON SWITCH-Silent action momentary contact SPST. Rated 100 ma, 115 VAC. Less than 1" overall mounting hole 3/4".
A05N627 Type 30-1. N.O. Red button.....Net .95
A46N200 Type 30-2. N.C. Black button.....Net .95

(G) GRAYHILL MINIATURE LIGHTED PUSH-BUTTON SWITCH TYPE 40-1-Rating: 1 amp, at 115 VAC Resistive. Switch Life: Minimum of 500,000 operations at rated load. GE NE2 E Neon Bulb or equivalent with life of over 25,000 hrs. with 200,000 ohm resistor. Normally open, momentary contact, single pole, single throw. Butt contact. Solder type terminals.
A46N203 Type 40-1.....Net 2.00

LINEMASTER Rheostat Footswitch

- Skid Prevention
- Durable Phenolic Housing
- Remains Cool At All Times

\$6.75



Designed to control speed of fractional electrical motors. Coil with maximum resistance of 350 ohms and capable of carrying 0.8 amps at 125VAC or VDC. 6' cordset with 2 prong series plug. Suitable for handling motor loads of 1/2 H.P. or less. 7 1/2" L x 3 1/4" W x 3 1/4" H. Ship. wt. 2 lbs.
A05N388 90.....Net 6.75

MALLORY Switches

(H) 1200L AND 1300L MULTI-GANG SWITCHES: Versatile multi-gang switches for servicing and industrial applications. They have one fixed and one adjustable stop, silver-plated contacts, solid silver rotary contact slugs, and phosphor-bronze springs. 3-and-4-gang spaced one inch; all others 1/2 inch. Two inch notched shaft. Shorting-type make before break. Require 1/16" mounting hole. With bar knob and hardware, less mounting plate. Av. ship. wt. 8 oz.

| Shorting | | Non-Shorting | | Gangs | Total Poles | Pos. per Pole | Net |
|----------|-------|--------------|-------|-------|-------------|---------------|------|
| Cat. No. | Type | Cat. No. | Type | | | | |
| A05N056 | 1211L | A05N076 | 1311L | 1 | 3 | 11 | 2.09 |
| A05N057 | 1215* | A05N077 | 1315* | 1 | 2 | 5 | 2.09 |
| A05N058 | 1213* | A05N078 | 1313* | 1 | 3 | 3 | 2.09 |
| A05N059 | 1212* | A05N079 | 1312* | 1 | 4 | 2 | 2.09 |
| A05N061 | 1221L | A05N081 | 1321L | 2 | 2 | 11 | 2.59 |
| A05N062 | 1225* | A05N082 | 1325* | 2 | 4 | 5 | 2.59 |
| A05N063 | 1223* | A05N083 | 1323* | 2 | 6 | 3 | 2.59 |
| A05N064 | 1222* | A05N084 | 1322* | 2 | 8 | 2 | 2.59 |
| A05N066 | 1231L | A05N086 | 1331L | 3 | 3 | 11 | 3.24 |
| A05N067 | 1235* | A05N087 | 1335* | 3 | 6 | 5 | 3.24 |
| A05N069 | 1241L | A05N089 | 1341L | 4 | 4 | 11 | 3.82 |
| A05N070 | 1245* | A05N090 | 1345* | 4 | 8 | 5 | 3.82 |
| A05N071 | 1251L | A05N091 | 1351L | 5 | 5 | 11 | 4.10 |
| --- | --- | A05N092 | 1356L | 5 | 10 | 6 | 4.54 |
| --- | --- | A05N093 | 1361L | 6 | 6 | 11 | 4.82 |
| --- | --- | A05N094 | 1366L | 6 | 12 | 6 | 5.51 |

*Provided with additional "off" position with all circuits open.
(J) 3100J AND 3200J SINGLE GANG SWITCHES-For handswitching, etc. Low-voltage switches with 2" shaft, bar knob, and nut. 1 1/16" base types have adjustable stops.

| Shorting | | Non-Shorting | | Poles | Positions | Base Dia. | Net |
|----------|--------|--------------|-------|-------|-----------|-----------|------|
| Cat. No. | Type | Cat. No. | Type | | | | |
| A05N095 | 3115J | A05N107 | 3215J | 1 | 5 | 1 1/4" | 1.01 |
| A05N096 | 3112J | A05N108 | 3212J | 1 | 12 | 1 1/4" | 1.01 |
| A05N097 | 3122J | A05N109 | 3222J | 2 | 2 | 1 1/4" | 1.01 |
| A05N098 | 3123J | A05N110 | 3223J | 2 | 3 | 1 1/4" | 1.01 |
| A05N099 | 3126J | A05N111 | 3226J | 2 | 6 | 1 1/4" | 1.01 |
| A05N100 | 3134J | A05N112 | 3234J | 3 | 4 | 1 1/4" | 1.04 |
| A05N101 | 3142J | A05N113 | 3242J | 4 | 2 | 1 1/4" | 1.04 |
| A05N102 | 3143J | A05N114 | 3243J | 4 | 3 | 1 1/4" | 1.04 |
| A05N103 | 3117J* | A05N115 | 3217J | 1 | 17 | 1 1/4" | 1.55 |
| --- | --- | A05N116 | 3229J | 2 | 9 | 1 1/4" | 1.55 |
| A05N105 | 3136J | A05N117 | 3236J | 3 | 6 | 1 1/4" | 1.66 |
| A05N106 | 3163J | A05N118 | 3263J | 6 | 3 | 1 1/4" | 1.66 |

*Replaces Mallory 150J by using adjustable stop.
†Replaces Mallory 2752 by using adjustable stop.

(K) CERAMIC-SECTION HAMBAND SWITCHES-For handswitching in low-power transmitter circuits. Four-position, continuously rotating switches for use in plate circuits up to 1000 volt DC; handle power up to 100 watts. Knob and mounting hardware.

| Cat. No. | Type | Circuits | Positions per Gang | Circuits per Sw. | Net |
|----------|------|----------|--------------------|------------------|------|
| A05N159 | 161C | 1 | 4 | 1 | 2.16 |
| A05N160 | 162C | 2 | 4 | 2 | 3.06 |
| A05N161 | 163C | 3 | 4 | 3 | 3.96 |
| A05N162 | 164C | 4 | 4 | 4 | 4.86 |
| A05N163 | 165C | 5 | 4 | 5 | 5.76 |

(L) MALLORY 151L HAMS SWITCH-Two-section, five-circuit, five-position switch. For switching meter circuits. Unused terminals automatically shorted. Knob, mtg. hardware.
A05N148.....Net 2.70

OHMITE Power Tap Switches

All ceramic, high current, non-shorting power switches; slow break, quick make. Designed for AC use. Silver-alloy contacts. Mount on panels to 3/4" with 3/8-32 threaded bushing and hex nut. Models listed are available in 2 tandem assemblies, other models available in 2 and 3 tandem assemblies. UL approved.



| 10A, 150V AC, 1 1/4" DIA., 1/2" SHAFT DIA. | | MODEL 111 | | | | |
|--|------|-----------|----------|------|----------|------|
| Cat. No. | Taps | Rot. Net | Cat. No. | Taps | Rot. Net | |
| A05N249 | 2 | 30° | A05N272 | 7 | 180° | 4.30 |
| A05N243 | 3 | 60° | A05N273 | 8 | 210° | 4.42 |
| A05N246 | 4 | 90° | A05N239 | 9 | 240° | 4.54 |
| A05N242 | 5 | 120° | A05N297 | 10 | 270° | 4.66 |
| A05N248 | 6 | 150° | A05N298 | 11 | 300° | 4.78 |

SWITCHCRAFT... ARROW H & H Switches



Protect TV, Tools with Locking Switch

\$1.63

On-Off Switch
key removable
in off position

A Locking on-off switch with key. SPST rated 3A, 250V, or 6A, 125V, AC-DC. Mounts in $\frac{1}{4}$ " hole. Ideal for protecting transmitters and power tools.

A05N023 Type 81715-L.....Net 1.63



E HEAVY-DUTY TOGGLE - Underwriters' Lab. listed for 20 amps, 250 volts, and $\frac{1}{2}$ HP 250 volts. DPST. Bakelite body, screw terminals. Type 80421.

A05N018 Net 1.94

F SWITCHCRAFT "LEV-R SWITCHES" - Very small lever action switch. Single-hole mounting. Silver contacts rated 3A, 120 volts AC, non-inductive load. Black plastic knobs. $\frac{1}{32}$ " mtg. hole for panels up to $\frac{1}{4}$ " thick.

G "LITTEL SWITCHES". Ideal for applications where limited space is available such as mikes, radio, auto test equipment, intercoms, etc. Special alloy nickel silver springs insulated from the mounting bushing. Mounts in size $\frac{1}{8}$ " dia. hole. All non-locking. "S" types have fine silver contacts rated 3 amp, or 300 watts max., 115V., A.C. non-inductive load. Others have integral contacts recommended only for low level circuits, where contact resistance is unimportant.

TWO-POSITION

| Cat. No. | Type | Circuit | Net |
|----------|--------|-----------|------|
| A05N586 | 13001 | SPST INOI | 1.23 |
| A05N588 | 13003 | SPDT INOI | 1.41 |
| A05N589 | 13004 | DPST INOI | 1.56 |
| A05N591 | 13006 | DPDT | 1.62 |
| A05N592 | 13001L | SPST INOI | 1.23 |
| A05N594 | 13003L | SPDT INOI | 1.41 |
| A05N595 | 13004L | DPST INOI | 1.56 |
| A05N597 | 13006L | DPDT | 1.62 |

THREE-POSITION

| Cat. No. | Type | Circuit | Net |
|----------|--------|------------|------|
| A05N598 | 13033 | SPDT | 1.56 |
| A05N599 | 13034 | DPST INOI* | 1.62 |
| A05N601 | 13036 | DPDT INOI* | 1.82 |
| A05N602 | 13037 | DPDT INOI* | 1.82 |
| A05N603 | 13033L | SPDT | 1.56 |
| A05N604 | 13034L | DPDT INOI* | 1.62 |
| A05N606 | 13036L | DPDT INOI* | 1.82 |
| A05N607 | 13037L | DPDT INOI* | 1.82 |

L—Locking type

| Cat. No. | Mfrs. Type | Description | Circuit | Net |
|----------|------------|--------------|---------|-----|
| A46N600 | 101 | Red Button | 1 | .54 |
| A46N601 | 101-S | Red Button | 1 | .63 |
| A46N602 | 102 | Red Button | 2 | .54 |
| A46N603 | 102-S | Red Button | 2 | .60 |
| A46N604 | 103 | Red Button | 3 | .60 |
| A46N605 | 103-S | Red Button | 3 | .72 |
| A46N606 | 201 | Black Button | 1 | .54 |
| A46N607 | 201-S | Black Button | 1 | .63 |
| A46N608 | 202 | Black Button | 2 | .54 |
| A46N609 | 202-S | Black Button | 2 | .63 |
| A46N610 | 203 | Black Button | 3 | .60 |
| A46N611 | 203-S | Black Button | 3 | .72 |

H PUSH-BUTTON SWITCHES. Unusually small, completely enclosed. Rated at 250 mils, non-inductive load, A.C., 30 watts max. All non-locking.

| Cat. No. | Mfrs. Type | Description | Circuit | Net |
|----------|------------|--------------|---------|------|
| A46N612* | 903 | Red Button | 3 | .90 |
| A46N613* | 903D | Red Button | 4 | .90 |
| A46N614† | 923 | Red Button | 3 | 1.05 |
| A46N615† | 923D | Red Button | 4 | 1.05 |
| A46N621* | 913 | Black Button | 3 | .90 |
| A46N622* | 913D | Black Button | 4 | .90 |
| A46N623† | 933 | Black Button | 3 | 1.05 |
| A46N624† | 933D | Black Button | 4 | 1.05 |

*Behind panel mounting †Mounts from front

"TINY SWITCHES". Similar to "Littell Switches" but of a subminiature design. All non-locking.

| Cat. No. | Mfrs. Type | Description | Circuit | Net |
|----------|------------|--------------|---------|-----|
| A46N616 | 951 | Red Button | 1 | .54 |
| A46N617 | 952 | Red Button | 2 | .54 |
| A46N618 | 953 | Red Button | 3 | .60 |
| A46N625 | 961 | Black Button | 1 | .54 |
| A46N626 | 962 | Black Button | 2 | .54 |
| A46N627 | 963 | Black Button | 3 | .60 |

B LAMINATED TOGGLES - Approved by Underwriters' Laboratories to carry 3 amps at 125 volts and 1 amp. at 250 volts except 20994-LH, rated 3 amps., 250 V. Two lock nuts included. Bat handles, end lug terms.

C MOLDED TOGGLE SWITCHES—Bakelite body, bat handle, end lug terminals. $\frac{11}{32}$ " dia. mtg. shank. Takes 3 amps, at 250 volts; 6 amps. at 125 volts. UL listed.

| Cat. No. | H & H Type | Circuit | Net Each | 10 for |
|----------|------------|---------|----------|--------|
| A05N001 | 20994-LH | SPST | .42 | 3.90 |
| A05N002 | 21350-EH | SPDT | .54 | 4.99 |
| A05N003 | 20902-CX | DPST | .79 | 7.20 |
| A05N004 | 20905-FR | DPDT | .90 | 8.20 |

D ROTARY SWITCHES—Positive contact at 1 amp. 250 volts, 3 amps. 125 volts. $\frac{11}{32}$ " diam. shank is $\frac{1}{8}$ " long. Lock nuts supplied. U.L. listed.

| Cat. No. | H & H Type | Circuit | Net Each | 10 for |
|----------|------------|---------|----------|--------|
| A05N005 | 81015K | SPST | .62 | 5.20 |
| A05N006 | 81021AT | SPDT | .75 | 6.20 |
| A05N007 | 81024KB | DPST | .92 | 7.70 |
| A05N008 | 81027CB | DPDT | 1.06 | 8.85 |

*U.L. listed, 3 amps., 250 volts.

Carling Slide, Toggle and Push Button Switches...

- Rugged, heavy duty
- For a variety of applications
- UL Approved

J CARLING HEAVY-DUTY TOGGLE SWITCHES—Rated at 6 amps, 125V. AC, 3 amps, 250V AC. SP rated $\frac{1}{2}$ hp. U/L approved. Screw or solder terminals, $\frac{1}{32}$ " shank diameter, $\frac{1}{32}$ " length, bat handle toggle.

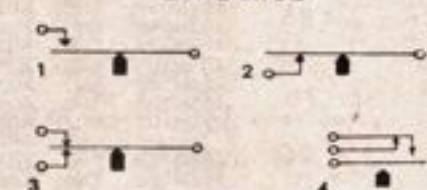
| Cat. No. | Carling | Poles | Term. | Net Ea. | 10 for |
|----------|----------|-------|-------|---------|--------|
| A46N012 | 2FA64-73 | SPST | Screw | .53 | 4.77 |
| A46N014 | 2FC64-73 | SPDT* | Screw | .65 | 5.85 |
| A46N015 | 2FA63-73 | SPST | lug | .47 | 4.23 |
| A46N016 | 2FB63-73 | SPDT | lug | .53 | 4.77 |
| A46N017 | 2FC63-73 | SPDT* | lug | .53 | 4.77 |
| A46N021 | 2GM63-73 | DPST | lug | .71 | 6.39 |
| A46N022 | 2GI63-73 | DPDT | lug | .76 | 6.84 |
| A46N023 | 2GM63-73 | DPDT* | lug | .76 | 6.64 |

Rated at 15 amps, 125V AC and 10amps, 250V AC. SP rated at $\frac{1}{2}$ hp, DP at $\frac{1}{2}$ hp. U/L approved. Screw or solder terminals, $\frac{1}{32}$ " shank diameter, $\frac{1}{32}$ " length, bat handle toggle.

| Cat. No. | Carling | Poles—Circuit | Net Ea. | 10 for |
|----------|----------|---------------|---------|--------|
| A46N003 | 2FA53-73 | SPST | lug | .53 |
| A46N007 | 2GI54-73 | DPDT | Screw | 1.06 |
| A46N008 | 2GM54-73 | DPDT* | Screw | 1.06 |
| A46N010 | 2GI53-73 | DPDT | lug | .85 |

*Center open. †Switches listed available in several different handle lengths.

Switchcraft Switch Circuits



K CARLING SLIDE SWITCHES: Open type laminated slide switch rated 4 amps, 125V AV and molded enclosed type slide switch rated 6 amps @ 125V, 3 amps, @ 250V, AC/DC. UL approved. Black knob (red available on special order, same price). Mtg. holes .140" dia. on $\frac{1}{8}$ " centers. $\frac{1}{16}$ " L., $\frac{9}{16}$ " W.

| Cat. No. | Type | Description | Circuit | Each | 10 for |
|----------|---------|-------------|---------|------|--------|
| A05N880* | 5-60A4 | Open | SPST | .09 | .81 |
| A05N881* | 5-60B4 | Open | SPDT | .10 | .90 |
| A05N884† | S-110 | Enclosed | SPST | .44 | 3.96 |
| A05N888† | S-110-S | Enclosed | SPST | .47 | 4.23 |
| A05N885† | S-112 | Enclosed | SPDT | .50 | 4.50 |
| A05N886† | S-216 | Enclosed | DPST | .59 | 5.31 |
| A05N887† | S-316-6 | Enclosed | DPST | .73 | 6.57 |

*Terminal lug †Solder lug ‡Screw type

L CARLING MOMENTARY PUSH-BUTTON SWITCHES - 1-hole mounting lug terminal, slow make and break switch, rated 3 amp. 125V AC. U/L approved.

| Cat. No. | Carling | Poles—Circuit | Net Ea. | 10 for |
|----------|-----------|-------------------|---------|--------|
| A46N039 | 16-3P On | SPST—Normally on | .44 | 3.96 |
| A46N040 | 16-3P Off | SPST—Normally off | .44 | 3.96 |

Potter and Brumfield Relays



LM PLATE CIRCUIT RELAYS

(A) For photo-electric control, counting, and similar circuits. Pull-in adjusted by tailspring screw. Operates on 100 mw per pole. $\frac{3}{16}$ " fine silver contacts rated at 5 amperes. Sizes LM5, $2\frac{1}{16}$ " x $1\frac{1}{4}$ " x $2\frac{1}{16}$ "; LM11, $2\frac{1}{16}$ " x $2\frac{1}{16}$ " x $2\frac{1}{16}$ ". Wt. 5 oz.

| Cat. No. | Type | Action | Ohms | Ma. | Net Ea. |
|----------|------|--------|--------|-----|---------|
| A03N007 | IMS | SPDT | 2500 | 6.3 | 3.90 |
| A03N008 | IMS | SPDT | 5000 | 4.5 | 4.10 |
| A03N009 | IMS | SPDT | 10,000 | 3.2 | 4.40 |
| A03N010 | IMII | DPDT | 2500 | 9.0 | 5.55 |
| A03N011 | IMII | DPDT | 5000 | 6.3 | 5.75 |
| A03N012 | IMII | DPDT | 10,000 | 4.5 | 6.30 |

RSSD LIGHTWEIGHT RELAYS

Radio-sonde DC relay. Ideal for controlling light dimmers, model airplanes, electronic toys, and many other applications. SPDT contacts rated 2 amp. at 115 VAC or 28 VDC. Mount with #4-40 screws. Size: $1 \times 1\frac{1}{16}$ " x $\frac{3}{16}$ " high. Wt. 15 oz.

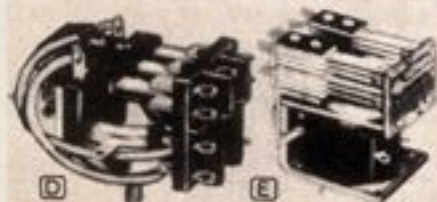
| Cat. No. | Volts | Ohms | Ma. | Net Ea. |
|----------|-------|--------|-----|---------|
| A03N512 | 6 | 335 | — | 2.60 |
| A03N513 | 12 | 1350 | — | 2.75 |
| A03N514 | — | 2500 | 5.0 | 2.85 |
| A03N515 | — | 5000 | 3.5 | 3.15 |
| A03N516 | — | 10,000 | 2.5 | 3.60 |

GB SERIES

(B) Sensitivity 115 milliwatts for single pole and 275 milliwatts for 4 pole. Silver contacts. Pull-in is not adjustable. Mounting: No. 8-32 tapped core and locating half-punch. Weight: Approximately 5 oz.

| Cat. No. | Type GB | Current | Nom. Power | Arrange-ment | Amps | Net |
|----------|---------|---------|------------|--------------|------|------|
| A03N932 | 5D | 6.8MA | 115MW | SPDT | 5 | 3.45 |
| A03N933 | 5D | 4.8MA | 115MW | SPDT | 5 | 3.60 |
| A03N934 | 5D | 3.4MA | 115MW | SPDT | 5 | 4.10 |
| A03N935 | 11D | 7MA | 125MW | DPDT | 5 | 4.85 |
| A03N936 | 11D | 5MA | 125MW | DPDT | 5 | 4.95 |
| A03N937 | 11D | 3.3MA | 125MW | DPDT | 5 | 5.50 |
| A03N938 | 17D | 10.5MA | 272MW | 4PDT | 5 | 5.80 |
| A03N939 | 17D | 7.4MA | 275MW | 4PDT | 5 | 5.95 |
| A03N940 | 17D | 5.25MA | 275MW | 4PDT | 5 | 6.40 |

USE RADIO SHACK'S EASY BUDGET PLAN



AMPERITE DELAY 115 VAC RELAYS

Fixed time delay relays enclosed in glass bulb with an octal socket. Useful for protection of Mercury Vapor tubes by allowing filament to heat up before application of plate voltage.

| Cat. No. | Type | Delay (sec.) | Net Ea. |
|----------|----------|--------------|---------|
| A03N081 | 115N005 | 5 | 2:35 |
| A03N082 | 115N010 | 10 | |
| A03N083 | 115N015 | 15 | |
| A03N084 | 115N020 | 20 | |
| A03N085 | 115N030 | 30 | |
| A03N086 | 115N045 | 45 | |
| A03N087 | 115N060 | 60 | |
| A03N090 | 115N0120 | 120 | |

PR SERIES HEAVY DUTY RELAYS

For across the line motor starting (1 H.P.) elevator control, break in, heater loads, etc. Molded bakelite base. Screw terminals, silver contacts rated 15 amps, single break, 20 amps double break. All AC models, U/L labeled. Dim. $2\frac{1}{2}$ " wide -PR3, PR5 $2\frac{1}{2}$ " x $2\frac{1}{2}$ " H., PR7 $2\frac{1}{2}$ " x $2\frac{1}{2}$ " H., PR11 $3\frac{1}{2}$ " x $2\frac{1}{2}$ " H., All mtd. 2 holes $\frac{1}{16}$ " dia. on $1\frac{1}{2}$ " centers.

| Cat. No. | Current | Ohms | Arrange-ment | Amps | Net Ea. |
|----------|---------|-------|--------------|------|---------|
| A03N479 | 6VAC | 0.86 | SPST-NO-DB | 13 | 4.15 |
| A03N126 | 115VAC | 290 | SPST-NO-DB | 13 | 4.15 |
| A03N829 | 6VDC | 18 | SPST-NO-DB | 20 | 4.15 |
| A03N482 | 6VAC | 0.86 | SPDT | 13 | 4.35 |
| A03N133 | 115VAC | 290 | SPDT | 13 | 4.35 |
| A03N134 | 6VDC | 18 | SPDT | 15 | 4.35 |
| A03N494 | 110VDC | 6,050 | SPDT | 15 | 4.95 |
| A03N467 | 6VAC | 0.86 | DPST | 13 | 4.90 |
| A03N128 | 115VAC | 290 | DPST | 13 | 4.90 |
| A03N129 | 6VDC | 18 | DPST | 15 | 4.90 |
| A03N496 | 110VDC | 6,050 | DPST | 15 | 5.50 |
| A03N487 | 6VAC | 0.86 | DPDT | 13 | 6.45 |
| A03N488 | 12VAC | 3.2 | DPDT | 13 | 6.45 |
| A03N135 | 115VAC | 290 | DPDT | 13 | 6.45 |
| A03N830 | 6VAC | 0.86 | DPDT | 15 | 8.15 |
| A03N831 | 12VAC | 3.2 | DPDT | 15 | 8.15 |
| A03N833 | 115VAC | 290 | DPDT | 15 | 8.15 |
| A03N136 | 6VDC | 18 | DPDT | 15 | 6.45 |
| A03N497 | 12VDC | 71 | DPDT | 15 | 6.45 |

MR SERIES

Versatile medium duty relay. Silver contacts rated 8 amp, single break, 10 amp, double break. Dim. single pole $2\frac{1}{16}$ " x $1\frac{1}{16}$ " x $1\frac{1}{16}$ " H. mtd. 2 holes $\frac{1}{16}$ " dia. on $2\frac{1}{2}$ " centers—double pole $2\frac{1}{16}$ " x $2\frac{1}{16}$ " x $1\frac{1}{16}$ " H. mtd. 2 holes $\frac{1}{16}$ " dia. on $2\frac{1}{2}$ " centers.

| | | | | | |
|---------|--------|-------|------------|----|------|
| A03N165 | 6VAC | 2.75 | SPST-NO-DB | 10 | 3.85 |
| A03N143 | 115VAC | 1,280 | SPST-NO-DB | 10 | 3.85 |
| A03N164 | 6VDC | 24 | SPST-NO-DB | 10 | 3.50 |
| A03N157 | 6VAC | 2.75 | SPDT | 8 | 3.45 |
| A03N151 | 115VAC | 1,250 | SPDT | 8 | 3.45 |
| A03N152 | 6VDC | 24 | SPDT | 8 | 3.20 |
| A03N159 | 6VAC | 2.75 | DPDT | 8 | 4.85 |
| A03N199 | 12VAC | 13.25 | DPDT | 8 | 4.85 |
| A03N154 | 115VAC | 1,250 | DPDT | 8 | 4.85 |
| A03N166 | 6VDC | 24 | DPDT | 8 | 4.60 |
| A03N474 | 6VAC | 2.75 | 3PDT | 8 | 5.80 |
| A03N475 | 115VAC | 1,250 | 3PDT | 8 | 5.80 |
| A03N533 | 6VDC | 24 | 3PDT | 8 | 5.45 |

KA GENERAL PURPOSE RELAYS

(D) Popular for transmitters, power supply control and remote switching applications. Heavy-duty contacts rated at 5 amps. AC coils are for 60 cycles. Moisture, shock resistant. #6-32 mounting stud. Size $1\frac{1}{16}$ " x $1\frac{1}{16}$ " x $1\frac{1}{16}$ ". Ship. wt. 6 oz.

| Cat. No. | Type KA | Current | Ohms | Arrange-ment | Amps | Net Ea. |
|----------|---------|---------|-------|--------------|------|---------|
| A04N406 | 5AY | 6VAC | 5.1 | SPDT | 5 | 3.20 |
| A03N409 | 5AY | 115VAC | 2,250 | SPDT | 5 | 3.20 |
| A03N413 | 5D | 6VDC | 32.1 | SPDT | 5 | 3.05 |
| A03N414 | 5D | 12VDC | 120 | SPDT | 5 | 3.05 |
| A03N019 | 11AY | 6VAC | 5.1 | DPDT | 5 | 3.85 |
| A03N020 | 11AY | 115VAC | 2,250 | DPDT | 5 | 3.85 |
| A03N856 | 11AY | 230VAC | 9,110 | DPDT | 5 | 4.25 |
| A03N417 | 11D | 6VDC | 32.1 | DPDT | 5 | 3.40 |
| A03N418 | 11D | 12VDC | 120 | DPDT | 5 | 3.40 |
| A03N410 | 14AY | 6VAC | 5.1 | 3PDT | 5 | 4.25 |
| A03N412 | 14AY | 115VAC | 2,250 | 3PDT | 5 | 4.25 |
| A03N421 | 14D | 6VDC | 32.1 | 3PDT | 5 | 3.85 |
| A03N422 | 14D | 12VDC | 120 | 3PDT | 5 | 3.85 |

Advance Coaxial Relays Line Switching

LOW SWRI High energy transfer! Operate in any position! **\$12.64** \$2 down

Small coaxial relays designed for coaxial line switching in a small space. Low standing-wave ratio for efficient transfer of RF energy. Designed for application in mobile, aircraft, experimental and fixed-station equipment. Operate in any position.

| Cat. No. | Volts | Coil Res., ohms | Contacts | Net |
|----------|--------|-----------------|-----------------------------|-------|
| A03N751 | 6VDC | 20 | SPDT 2 amps | 12.64 |
| A03N752 | 12VDC | 80 | SPDT 2 amps | 12.64 |
| A03N753 | 115VAC | 750 | SPDT 2 amps | 12.94 |
| A03N754 | 6VDC | 20 | SPDT limit DPDT load 2 amps | 13.48 |
| A03N755 | 12VDC | 80 | SPDT limit DPDT load 2 amps | 13.48 |
| A03N756 | 115VAC | 750 | SPDT limit DPDT load 2 amps | 14.07 |

GUARDIAN AC, DC SOLENOIDS

(C) Available in both intermittent and continuous duty types. Intermittent types should not be energized for more than 5 consecutive minutes without giving sufficient time to cool between operation cycles. Continuous duty types are designed so they will not rise more than 85° C above the 24° C ambient temperatures when operated at rated load. Plunger has slotted end with $\frac{1}{8}$ " diameter hole for coupling. In chart, (I) indicates intermittent duty type, (C) indicates continuous duty type.

| Cat. No. | Volts | Duty | Amps | Adjust-able Stroke (In.) | *Max. Lift (Oz.) | Net |
|----------|--------|------|------|-------------------------------|------------------|------|
| A03N365 | 115 AC | I | .17 | $\frac{1}{8}$ - $\frac{1}{2}$ | 8 | 2.35 |
| A03N370 | 115 AC | C | .076 | $\frac{1}{8}$ - $\frac{1}{2}$ | 2 | 2.35 |
| A03N366 | 115 AC | I | .50 | $\frac{1}{8}$ - $\frac{1}{2}$ | 27 | 3.20 |
| A03N371 | 115 AC | C | .155 | $\frac{1}{8}$ - $\frac{1}{2}$ | 10.5 | 3.20 |
| A03N367 | 115 AC | I | .64 | $\frac{1}{8}$ - $\frac{1}{2}$ | 24 | 3.20 |
| A03N372 | 115 AC | C | .14 | $\frac{1}{8}$ - $\frac{1}{2}$ | 6 | 3.20 |
| A03N357 | 6 DC | I | 3.00 | $\frac{1}{8}$ - 1 | 39 | 2.70 |
| A03N379 | 6 DC | C | 1.35 | $\frac{1}{8}$ - 1 | 21 | 2.70 |
| A03N368 | 115 AC | I | .27 | $\frac{1}{8}$ - 1 | 32 | 4.15 |
| A03N373 | 115 AC | C | .155 | $\frac{1}{8}$ - 1 | 22 | 4.15 |
| A03N369 | 115 AC | I | 1.4 | $\frac{1}{8}$ - $\frac{1}{2}$ | 110 | 5.50 |
| A03N374 | 115 AC | C | .52 | $\frac{1}{8}$ - $\frac{1}{2}$ | 65 | 5.50 |
| A03N377 | 115 AC | I | 1.50 | $\frac{1}{8}$ - $\frac{1}{2}$ | 96 | 3.20 |
| A03N375 | 115 AC | C | .21 | $\frac{1}{8}$ - $\frac{1}{2}$ | 55 | 3.20 |
| A03N359 | 230 AC | I | .215 | $\frac{1}{8}$ - $\frac{1}{2}$ | 96 | 3.40 |
| A03N360 | 230 AC | C | .110 | $\frac{1}{8}$ - $\frac{1}{2}$ | 55 | 3.40 |
| A03N378 | 115 AC | I | 1.45 | $\frac{1}{8}$ - 1 | 304 | 4.50 |
| A03N376 | 115 AC | C | .39 | $\frac{1}{8}$ - 1 | 145 | 4.50 |
| A03N361 | 230 AC | I | .59 | $\frac{1}{8}$ - 1 | 304 | 4.70 |
| A03N362 | 230 AC | C | .20 | $\frac{1}{8}$ - 1 | 145 | 4.70 |
| A03N386 | 115 AC | I | .130 | $\frac{1}{8}$ - $\frac{1}{2}$ | 19 | 2.95 |
| A03N387 | 115 AC | C | .07 | $\frac{1}{8}$ - $\frac{1}{2}$ | 12 | 2.95 |

*Full data obtained during "cold" operation.

GA MULTIPLE LEAF RELAYS

(E) For general circuits and power control applications and remote switching in mobile operation. Contacts rated at 5 amps. AC coils are for 60 cycles. Size: $1 \times 1\frac{1}{16}$ " x $1\frac{1}{16}$ " high. Has tapped core to permit mounting with single #8-32 screw. Ship. wt. 3.5 oz.

| Cat. No. | Type GA | Current | Ohms | Arrange-ment | Amps | Net Ea. |
|----------|---------|---------|-------|--------------|------|---------|
| A03N187 | 11A | 115VAC | 725 | DPDT | 5 | 3.35 |
| A03N843 | 14A | 6VAC | 1.7 | 3PDT | 5 | 4.05 |
| A03N844 | 14A | 12VAC | 6.8 | 3PDT | 5 | 4.05 |
| A03N191 | 14A | 115VAC | 725 | 3PDT | 5 | 4.05 |
| A03N847 | 17A | 6VAC | 1.7 | 4PDT | 5 | 4.85 |
| A03N195 | 17A | 115VAC | 725 | 4PDT | 5 | 4.85 |
| A03N196 | 17A | 230VAC | 2,950 | 4PDT | 5 | 5.25 |
| A03N848 | 17D | 6VDC | 18 | 4PDT | 5 | 4.85 |
| A03N849 | 17D | 12VDC | 72 | 4PDT | 5 | 4.85 |



A 2.97



B 6.75



C 8.47



D 5.20



E 5.97

TIMERS, CALENDAR CLOCK

12 HOUR TIME SWITCH—For store windows, porch or cellar lights. Turns off any 20 amp circuit at any pre-set time up to 12 hours. Fits into wall box. "Hold" position allows use as an on-off switch. Only $2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Easily installed in any standard wall box.

A97L636 Ship. wt. 3 lbs. Net 5.60

3 minute timer same as above.

A97L634 Ship. wt. 3 lbs. Net 4.85

A 60 MINUTE TIMER—Turns units on or off. This SPDT timer is rated at 28 amps. For panel or wall mounting. Can be used for either "on" or "off" operation. Satin chrome face, black knob and mtg. hardware. $2\frac{1}{2}$ " dia. x $1\frac{1}{2}$ " deep.

A97L632 Ship. wt. 2 lbs. Net 5.20

15 Minute timer as above.

A97L631 Ship. wt. 2 lbs. Net 5.20

B TABLE TOP 60 MINUTE EQUIPMENT TIMER—Ideal timer for institutional and home equipment. Use for X-ray machines, sun lamps, and other precision timing applications. Equipment to be controlled plugs into back of timer, turns off exactly at pre-set time. 10 amps. Maximum time interval 60 minutes. 115 VAC, 60 cycles.

A97L629 Ship. wt. 3 lbs. Net 5.97

PORTABLE 12 HOUR TIMER—Turns off any appliance automatically. Ideal for controlling radio or TV set from bed. You just set it and forget it. Even if you fall asleep, the appliance is turned off. Rated at 10 amps, up to 12 hour interval. Ruggedly constructed, perfect for exhaust fans and similar applications.

A97L628 Ship. wt. 3 lbs. Net 5.20

C 60 SECOND PHOTOGRAPHIC TIME SWITCH—Adjustable stop makes settings easy and foolproof in the darkness. Ideal for darkroom work. Use for enlargers, printing boxes, etc. Times up to 60 seconds, then shuts off current. May be used as a manual on-off switch. 10 amps, 115 VAC, 60 cycles.

A97L627 Ship. wt. 3 lbs. Net 6.75

D 60 MINUTE TIMER—A reliable photographic and household timer that rings a bell to alert you at any pre-set time up to 60 minutes. Keeps roasts from burning and soft-boiled eggs soft. Time developing and washing of films. Compact and sturdy. White to blend with kitchen decor.

A97L626 Ship. wt. 2 lbs. Net 2.97

INTERMATIC "MIRACLE MEMORY"—Portable plug-in Appliance Timer for home, office or store; converts radio to clock-radio; controls lights when no one is home; defrosts refrigerators; controls dehumidifiers, coffee-makers, broilers, fans, etc. Manual control, automatic reset. Permits manual control without automatic reset, for continuous "off" or "on." Min. "on" time—1 hour; max., 23 hours. 24-hour, large, easy-to-read, time dial. Plug-in receptacle. Deluxe gray molded case, green dial. Size, $5 \times 4 \times 2\frac{1}{2}$ ". 6 ft cord. Ship. wt. 2 lbs., U.L. Approved. 125 Volts, 60 Cycles, 1650 watts. List 11.95.

A05N857 Net 7.97. Lots of 6 Net 7.17

E LUX DATE MINDER CALENDAR CLOCK—Model 5121. Tells day, date, time. Polystyrene case. Raised polished brass numeral, hour dots on off-white background. Center panel, calendar panel in "after-glow" gray. Self-starting synchronous motor, 110 VAC, 60 cy. Size $6\frac{1}{2} \times 7\frac{1}{2}$ ". White or bronze finish. Price includes FET.

A05N496 Net 8.47



F 4.40



G 14.00



H 17.95



I 14.75



K 19.00

COUNTERS AND LIGHT SWITCHES

PRODUCTION INSTRUMENT COUNTERS—Compact moderate-duty counters for built-in applications on lab, office, coin-operated and industrial equipment. Actuated by any type switch, relay or photo-eye with min. closed period of .040 sec. and min. open period of .060 sec. Tested 600 counts/min. Require only 3 watts at rated voltage. Tamper-proof fully enclosed construction: $1\frac{1}{2} \times 2\frac{1}{2}$ " long x $1\frac{1}{2}$ " wide x $2\frac{1}{2}$ " high. White figures, black background; operation in any position. 6" leads. Note: for 25 or 50 cycle units add 50c to reg. price and specify volts and cycles. Av. ship wt. 1 lb.

F TYPE MDA-54—reset counter, standard 4-digit, 1 turn of knob resets to zero. 4 holes for 6-32 screws, on $1\frac{1}{2}$ " ctrs.

G TYPE MDB-54—reset counter, panel mtg., 4-digit, 1 full turn of knob resets to zero; with mtg. panel $2\frac{1}{2} \times 1\frac{1}{2}$ " W x $1\frac{1}{2}$ " H; 4 mtg. holes for 5-40 screws on $2\frac{1}{16}$ " ctrs.

H TYPE MEA-N5—non-reset counter, standard 5-digit; counts to 99,999 and repeat; same mtg. as MDA-54 above.

| Car. No. | Type | VAC | Net |
|----------|--------------|-----|-------|
| A05N976 | MDA-54-6A | 6 | 14.00 |
| A05N977 | MDA-54-115A | 115 | 14.00 |
| A05N974 | MDB-54-6A | 6 | 14.75 |
| A05N975 | MDB-54-115A | 115 | 14.75 |
| A05N972 | MEA-N5-6A | 6 | 4.40 |
| A05N973 | MEA-N5-115A | 115 | 4.40 |
| A05N968 | MEB-N5-115A* | 115 | 5.00 |

*Panel Mtg.

J FISHER PIERCE NITELIGHTER—A light sensitive photo-electronic switch that automatically turns incandescent lights on at dusk, off at dawn. Turns on lights while you are out. You never have to enter a dark house. Turn-on time varies with the time of darkness. Guards your house while you are away. Police and insurance companies recommend that you keep the house lighted while away. The Nitelighter "memory" will turn your lights on at dusk and off at dawn.

A05N381 Type 65018 Net 17.95

K FISHER PIERCE WEATHERPROOF YARD LIGHT CONTROL—Factory-adjusted to turn lights on about one-half hour before sunset, and off about one-half hour after dawn. Operation is automatic. Uses a highly reliable tubeless photorelay circuit. Uncomplicated, long lasting unit, hermetically sealed, weatherproof in a cast aluminum housing. Can be used for yard lighting, home flood lighting, porch. Operates on 115 VAC, 60 cycles. Handles up to 300 watts incandescent

A05N382 Type 6802 . \$2 down, Net 19.00



A97L635

\$7.99

Accurate, Low Cost Stop Watches

SPORTS STOP WATCH—Similar in appearance to above, but divided in $1/10$ seconds up to 30 seconds on outer dial. Inner dial and small hand register up to 15 minutes, readable in fractions. Same double push-button action as industrial watch. Chrome plated nickel case with ring. $1\frac{1}{2}$ " in diameter. Usually priced at \$10 or more. For activities, contests, athletics.

A97L635 Net 7.99

INDUSTRIAL STOP WATCH—7 jewel, chrome plated nickel case with ring. Outer dial, divided in $1/100$ of a minute. Inner dial, divided by minutes up to 30 minutes. Side and crown push-buttons for starting and stopping action, instant reset to zero, zero reset and instantaneous re-start. Fully guaranteed. Use for production, performance, processes, reactions, etc.

A97L625 \$2 down, Net 11.90

Do you need accurate timing equipment and switches now? Use the Radio Shack easy time payments, and let the equipment pay for itself in time saved.

See PAGE 3 for Details

BURGESS Dry Batteries

BURGESS PORTABLE RADIO BATTERIES. Insure top power and performance. This listing covers batteries for most portable radios. They are guaranteed fresh when they leave Radio Shack. Where there is more than one stock number shown under Equivalent column (separated by a diagonal line) the Burgess battery shown at left may be used for any of them. For any battery not shown, send the make and type number of the original, plus the make and model number of your set—we will furnish the Burgess equivalent.

PORTABLE "A" BATTERIES

| Cat. No. | Burgess Type | Net Ea. | Volts | Size | Ship. Wt. lbs. | Equivalent | | |
|----------|--------------|---------|-------|-----------------------|----------------|------------|-------------|----------|
| | | | | | | Everready | Type Philco | RCA Type |
| A23F004 | 1 | .13 | 1 1/2 | 1 1/4 x 1 1/4 dia. | 1/4 | 935 | C | V5035A |
| A23F030 | 2D | .84 | 1 1/2 | 2 3/4 x 1 3/4 x 2 1/2 | 1/2 | 720 | — | V5069 |
| A23F023 | 2F | .77 | 1 1/2 | 2 1/2 x 1 3/4 x 4 1/4 | 3/4 | W353 | — | V5141 |
| A23F025 | 2R | .13 | 1 1/2 | 2 3/4 x 1 3/4 x 4 1/4 | 3/4 | 950 | P912 | V5036A |
| A23F502 | 21R | .32 | 1 1/2 | 4 1/4 x 1 3/4 dia. | 1/2 | 964 | F77 | V5236 |
| A23F016 | 4F | 1.15 | 1 1/2 | 2 1/2 x 2 1/2 x 4 3/4 | 1 1/2 | 742 | P94 | V5004 |
| A23F090 | 8R | .60 | 1 1/2 | 3 3/4 x 1 3/4 dia. | 3/4 | 960P | — | V5070 |
| A23F020 | 85 | 1.58 | 7 1/2 | 3 3/4 x 3/4 x 2 3/4 | 3/4 | 713 | P31 | V5129 |
| A23F021 | C5 | 1.05 | 7 1/2 | 2 1/2 x 1 1/4 x 3 1/2 | 3/4 | 717 | — | V5065 |
| A23F127 | D3 | .95 | 4 1/2 | 3 3/4 x 1 3/4 x 2 3/4 | 3/4 | 726 | — | V5072 |
| A23F015 | F3 | .95 | 4 1/2 | 4 x 1 3/4 x 4 1/4 | 1 1/4 | 736 | P38 | V5067 |
| A23F018 | F4P1 | 1.16 | 6 | 2 1/2 x 2 1/2 x 4 1/2 | 1 1/2 | 744 | P4F4R | V5009 |
| A23F019 | G3 | 1.05 | 4 1/2 | 4 1/4 x 1 3/4 x 4 1/4 | 1 1/4 | 746 | P100 | V5002 |
| A23F005 | Z | .09 | 1 1/2 | 1 3/4 x 1 3/4 dia. | 3/4 | 915 | P9 | V5034A |
| A23F014 | Z4 | .70 | 6 | 1 3/4 x 1 3/4 x 2 3/4 | 3/4 | 724 | — | V5068 |

PORTABLE BATTERIES FOR TRANSISTOR RADIOS

| | | | | | | | | |
|---------|------|------|-----------|-----------------------|-------|-------|--------|--------|
| A23F689 | 130 | .16 | 1 1/2 | 1 1/4 x 1 1/4 dia. | 1/4 | 635 | C/1311 | — |
| A23F570 | 2N6 | 1.30 | 9 | 2 3/4 x 1 3/4 x 1 3/4 | 3/4 | 246 | P178 | V5305 |
| A23F571 | 2U6 | .95 | 9 | 1 3/4 x 3 3/4 x 1" | 3/4 | 216 | — | V5323 |
| A23F179 | 2Z3 | 1.11 | 4 1/2 | 1 3/4 x 1 3/4 x 2 1/4 | 3/4 | — | — | V5324 |
| A23F002 | 7 | .09 | 1 1/2 | 1 3/4 x 1 3/4 dia. | 3/4 | 912 | K | V5074 |
| A23F699 | 230 | .16 | 1 1/2 | 2 1/4 x 1 1/4 dia. | 1/5 | A100 | P920 | V5336 |
| A23F572 | 4D4 | 3.33 | 6 | 7 1/4 x 2 x 2 3/4 | 2 1/2 | 274 | — | — |
| A23F635 | 930 | .13 | 1 1/2 | 1 3/4 x 1 3/4 dia. | 1/10 | 1015E | P15 | V5334 |
| A23F416 | A4 | .69 | 6 | 2 1/2 x 1 1/2 x 1 1/2 | 3/4 | — | — | — |
| A23F417 | C6X | 1.10 | 9 | 2 3/4 x 1 3/4 x 6 1/4 | 3/4 | — | — | — |
| A23F418 | D5 | 1.05 | 7 1/2 | 2 1/4 x 2 x 2 3/4 | 3/4 | 707 | P26 | V5315 |
| A23F569 | D6 | 1.26 | 9 | 3 3/4 x 2 x 2 3/4 | 1 | 276 | P88 | V5306 |
| A23F445 | D6P1 | 1.76 | 3, 6, 9 | 7 3/4 x 1 3/4 x 2 3/4 | 1 1/2 | 2506 | — | V5301 |
| A23F629 | D6S | 1.05 | 9 | 2 1/4 x 1 3/4 x 2 3/4 | 1 1/2 | — | — | — |
| A23F429 | M6 | 1.05 | 9 | 1 3/4 x 1 3/4 x 2 3/4 | 2/5 | 266 | — | V5322 |
| A23F574 | NE | .08 | 1 1/2 | 1 1/4 x 1 1/4 dia. | 1/4 | — | — | — |
| A23F530 | P6 | .77 | 9 | 3 1/2 x 1 3/4 x 1 3/4 | 3/4 | — | — | — |
| A23F742 | P6M | .93 | 9 | 3 1/2 x 1 3/4 x 1 3/4 | 3/4 | 226 | P91 | V5300A |
| A23F568 | XX9 | 1.05 | 9, 13 1/2 | 1 1/2 x 1 1/2 x 2 3/4 | 1/4 | 239 | — | V5304 |

PORTABLE "B" BATTERIES

| | | | | | | | | |
|---------|------|------|---------|-----------------------|-------|------|------------|-------|
| A23F037 | A30 | 2.49 | 45 | 3 3/4 x 2 3/4 x 4 1/4 | 1 3/4 | W359 | P210 | V5014 |
| A23F038 | B30 | 3.29 | 45 | 4 1/4 x 2 3/4 x 5 1/4 | 2 1/4 | 484 | P305 | V5012 |
| A23F034 | K45 | 2.42 | 67 1/2 | 2 1/4 x 1 1/4 x 2 1/4 | 1/2 | 457 | — | V5082 |
| A23F033 | M30 | 2.70 | 45 | 5 1/2 x 1 3/4 x 3 1/4 | 2 | 482 | P45 | V5013 |
| A23F035 | N60 | 3.15 | 90 | 3 1/4 x 1 3/4 x 3 1/4 | 1 | 490 | P132 | V5090 |
| A23F427 | N60X | 3.47 | 90 | 1 3/4 x 1 3/4 x 7" | 1 1/2 | 495 | P190 | — |
| A23F503 | P45 | 2.17 | 67 1/2 | 1 3/4 x 1 x 5 3/4 | 3/4 | 477 | P149 | V5218 |
| A23F512 | P45M | 2.75 | 67 1/2 | 1 3/4 x 1 x 5 3/4 | 3/4 | 477 | P175 | — |
| A23F539 | P60 | 2.77 | 90 | 1 3/4 x 1 x 7 1/4 | 1 | 479 | P176 | V5219 |
| A23F513 | U30 | 1.75 | 45 | 1 3/4 x 1 3/4 x 1 3/4 | 1/4 | 415 | P150 | V5085 |
| A23F426 | UX45 | 2.07 | 67 1/2 | 1 3/4 x 1 3/4 x 3 3/4 | 1/2 | 416 | P217 | V5318 |
| A23F032 | XX30 | 1.92 | 45 | 2 3/4 x 1 3/4 x 3 3/4 | 3/4 | 455 | P105 | V5055 |
| A23F031 | XX45 | 2.45 | 67 1/2 | 2 3/4 x 1 3/4 x 3 3/4 | 3/4 | 467 | P67 | V5016 |
| A23F508 | XX50 | 3.15 | 75 | 1 3/4 x 1 3/4 x 6 1/4 | 1 1/4 | 437 | P144 | V5217 |
| A23F040 | XX69 | 4.60 | 103 1/2 | 1 1/2 x 1 1/2 x 1 3/4 | 1 1/4 | W361 | — | — |
| A23F036 | Z30 | 2.76 | 45 | 3 x 2 1/4 x 4 1/4 | 1 1/2 | 738 | F7R30/P104 | V5015 |

PORTABLE "AB" PACKS

| | | | | | | | | |
|---------|--------|------|--------------|------------------------|-------|------|----------------|--------|
| A23F053 | 2TX40 | 4.11 | 1 1/2, 60 | 2 1/2 x 1 1/2 x 7 3/4 | 1 1/2 | W370 | P89 | — |
| A23F500 | 4TZ60 | 4.38 | 1 1/2, 90 | 7 1/4 x 2 1/4 x 3 3/4 | 4 | 729 | P364 | V5064 |
| A23F050 | 6TA60 | 5.48 | 1 1/2, 90 | 9 3/4 x 2 1/4 x 4 1/4 | 4 1/2 | W369 | — | V5054 |
| A23F042 | 6AA60 | 5.43 | 7 1/2, 9, 90 | 9 3/4 x 2 1/2 x 4 1/4 | 6 | 753 | P841A | V5019 |
| A23F047 | 6AA60P | 5.57 | 9, 90 | 9 3/4 x 2 3/4 x 4 1/2 | 6 1/2 | 757 | — | V5056 |
| A23F041 | G6M60 | 5.78 | 9, 90 | 13 3/4 x 2 1/4 x 4 1/2 | 7 | 752 | P6086F6 | V5047 |
| A23F043 | G6M60 | 6.62 | 7 1/2, 9, 90 | 10 3/4 x 3 1/4 x 4 1/2 | 6 | 754 | — | — |
| A23F044 | TSZ50 | 5.08 | 6, 7 1/2, 75 | 8 1/2 x 3 1/2 x 2 1/4 | 4 | 755 | P350 | V5050 |
| A23F567 | TSZ50P | 4.83 | 7 1/2, 75 | 8 1/2 x 3 1/2 x 2 1/4 | 3 1/2 | 785 | — | V5060 |
| A23F046 | T6Z60 | 4.87 | 7 1/2, 9, 90 | 2 3/4 x 8 1/4 x 3 1/4 | 4 1/2 | 756 | P361/P363/P371 | V5057W |
| A23F514 | T6Z60P | 5.57 | 9, 90 | 2 3/4 x 8 1/4 x 3 1/4 | 4 1/2 | 727 | — | V5059 |

BURGESS INDUSTRIAL AND ELECTRONIC "B" BATTERIES

| Cat. No. | Type | Net Ea. | Volts | Size | Everready | | RCA No. |
|----------|-------|---------|--------|-----------------------|-----------|---|---------|
| | | | | | No. | — | |
| A23F096 | U10 | .81 | 15 | 1 x 3 1/4 x 1 1/4 | 411 | — | V5083 |
| A23F509 | Y10 | .81 | 15 | 1 3/4 x 1 3/4 x 1 3/4 | 412 | — | — |
| A23F097 | U15 | 1.05 | 22 1/2 | 1 x 3 3/4 x 1 3/4 | 504 | — | V5084 |
| A23F510 | Y15 | 1.05 | 22 1/2 | 1 3/4 x 1 3/4 x 1 3/4 | 505 | — | — |
| A23F073 | 4156 | 1.61 | 22 1/2 | 3 1/2 x 2 3/4 x 2 1/4 | 763 | — | V5102 |
| A23F098 | U20 | 1.23 | 30 | 1 1/2 x 3/4 x 2 1/4 | 413 | — | V5085 |
| A23F511 | Y20 | 1.30 | 30 | 1 3/4 x 3/4 x 1 3/4 | 506 | — | — |
| A23F094 | XX30P | 2.10 | 45 | 2 1/2 x 1 1/2 x 4 1/2 | — | — | — |
| A23F092 | XX15 | 1.37 | 22 1/2 | 1 1/2 x 1 1/4 x 3 3/4 | 425P | — | — |
| A23F039 | U-200 | 7.70 | 300 | 2 1/4 x 2 1/2 x 3 3/4 | 493 | — | V5093 |

BURGESS PHOTOFLASH BATTERIES. The Burgess photoflash batteries listed here are designed to provide a longer shelf life and maximum peak current. This listing shows Burgess equivalents for National Carbon batteries.

| No. | Type | Volts | Net. Carbon | Unit Pack | Ship. Wt. Pack | Pkg. Net Ea. |
|---------|-------|-------|-------------|-----------|----------------|--------------|
| A23F542 | XX150 | 225 | 505 | 1 | 2 1/2 lb. | 6.96 |
| A23F543 | N150 | 225 | 492 | 1 | 2 1/2 lb. | 5.56 |
| A23F544 | U160 | 240 | 491 | 1 | 3/4 lb. | 5.56 |
| A23F573 | U320 | 510 | 497 | 1 | 1 1/2 lb. | 11.16 |

BURGESS DRY CELLS
GIANT NO. 6 IGNITION CELL. 1 1/2 volts or heavy duty on buzzers, bells, alarms, toys. Screw terminals. Ship. wt. 1 3/4 lbs.
A23F143 In 12 lots .76 ea. Net .84

GIANT NO. 6 TELEPHONE CELL. 1 1/2 volts, for long service on low-drain applications. Has spring clip terminals. Ship. wt. 1 3/4 lbs.
A23F158 In 12 lots .76 ea. Net .84

BURGESS SEALED, RECHARGEABLE 1.25 V NICKEL-CADMIUM BATTERIES—This new Burgess line extends the favorable advantages of earlier unsealed batteries to hermetically sealed small cells that eliminate annoying addition of liquids.

| Cat. No. | Type | No. | Volts | Cap. MAH | Net |
|----------|------|------|-------|----------|-----|
| A23F826 | CD1 | 1.25 | 20 | 1.00 | |
| A23F827 | CD2 | 1.25 | 50 | .70 | |
| A23F828 | CD3 | 1.25 | 150 | .78 | |
| A23F829 | CD3L | 1.25 | 150 | .87 | |
| A23F830 | CD4 | 1.25 | 225 | .83 | |
| A23F831 | CD4L | 1.25 | 225 | .97 | |
| A23F832 | CD5 | 1.25 | 450 | 1.47 | |
| A23F833 | CD5L | 1.25 | 450 | 1.55 | |
| A23F834 | CD6 | 1.25 | 450 | 1.93 | |
| A23F835 | CD7 | 1.25 | 2500 | 3.50 | |
| A23F836 | CD6L | 1.25 | — | 2.75 | |
| A23F837 | CD7L | 1.25 | — | 5.00 | |
| A23F838 | CD8 | 1.25 | — | 1.10 | |
| A23F839 | CD8L | 1.25 | — | 1.20 | |
| A23F840 | CD9 | 1.25 | — | 4.65 | |

Cells marked L have terminals for soldering.

RADAR-LITE Spotlight Buy

\$7.83



- Dozens of uses in car and home!
- Red flasher for emergencies!

POWERFUL RADAR-LITE LANTERNS—40,000 candlepower, sealed beam penetrates half mile. Used at home, camp, car, industry, schools, etc.

| Cat. No. | Lantern Prices with Batteries | Net |
|----------|---|------|
| A23F540 | Spotlight beam, with red flasher. | 7.83 |
| A23F526 | Head less battery. | 6.00 |
| A23F528 | Spotlight beam, without flasher. | 6.33 |
| A23F527 | Head less battery. | 4.50 |
| A23F943 | Floodlight beam w/red flasher. | 7.83 |
| A23F944 | Floodlight beam, without flasher. | 6.33 |
| A23F945 | Chrome lamp. | 5.73 |
| A23F946 | Copper lamp. | 5.73 |
| A23F428 | Bear cat. | 4.54 |
| A23F999 | Boat light kit. | 8.40 |
| A23F541 | Battery. | 1.83 |

BATTERY HOLDERS



MALLORY MERCURY BATTERIES



MALLORY "A" 1.345-VOLT MERCURY TYPE BATTERIES—Wide transistor circuit use. Ideal source of secondary standard potential because of their precise 1.345 open circuit voltage. Used in portable communication equipment, alarm systems, radiation detection devices, meters, electrical and electronic devices.

SDL BATTERY HOLDERS—New panel mounting battery holders. Hold any number of cells up to the length of the holder. Accommodate batteries up to 1/16" in diameter. Compact, easy to install through a 3/16" dia. hole in panels up to 3/16" thick. "B" series has spring under battery, "F" series has spring under plug.

| Cat. No. | Type | Battery length | Net |
|----------|--------|----------------|------|
| A48F730 | BH304F | 1.3-1.95" | 1.75 |
| A48F731 | BH304B | 1.3-1.95" | 1.85 |
| A48F732 | BH305F | 2.6-3 1/4" | 1.75 |
| A48F733 | BH305B | 2.6-3 1/4" | 1.85 |
| A48F834 | BH306F | 3.9-4.5" | 1.75 |
| A48F735 | BH306B | 3.9-4.5" | 1.85 |
| A48F736 | BH307F | 5.2-5.85" | 1.75 |
| A48F737 | BH307B | 5.2-5.85" | 1.85 |

400 SERIES BATTERY HOLDERS—For DC and mercury cells from 1-1 1/2" dia. Install through 1 1/8" hole in panel up to 3/16" thick. "B" and "F" series as above.

| | | | |
|---------|--------|--------------|------|
| A48F738 | BH401B | 1 1/2-2 1/4" | 2.71 |
| A48F739 | BH401F | 1 1/2-2 1/4" | 2.58 |
| A48F740 | BH402B | 3 1/2-4 3/4" | 2.71 |
| A48F741 | BH402F | 3 1/2-4 3/4" | 2.58 |
| A48F742 | BH403B | 5 1/2-6 3/4" | 2.71 |
| A48F743 | BH403F | 5 1/2-6 3/4" | 2.58 |

500 SERIES BATTERY HOLDERS—For DC and mercury cells from 1 1/2" to 1 3/4" dia. Installs through 1 1/8" hole in panels to 3/16" thick. "B" and "F" series as above.

| | | | |
|---------|--------|--------------|------|
| A48F744 | BH501B | 2 1/2-2 3/4" | 3.12 |
| A48F745 | BH501F | 2 1/2-2 3/4" | 2.99 |
| A48F746 | BH502B | 4 1/2-5 1/4" | 3.12 |
| A48F747 | BH502F | 4 1/2-5 1/4" | 2.99 |
| A48F748 | BH503B | 6 1/2-7 3/4" | 3.12 |
| A48F749 | BH503F | 6 1/2-7 3/4" | 2.99 |

| Cat. No. | Type | Cap. MAH | No Load Voltage | Net |
|----------|----------|----------|-----------------|------|
| A48F500 | RM-1 | 1000 | 1.4 | .38 |
| A23F670 | RM-1R | 1000 | 1.4 | .38 |
| A48F501 | RM-1RT | 1000 | 1.35 | .43 |
| A48F502 | RM-1RT2 | 1000 | 1.35 | .48 |
| A23F671 | RM-3R | 2200 | 1.35 | .56 |
| A23F678 | RM-4R | 3400 | 1.35 | .72 |
| A23F679 | RM-4RT | 3400 | 1.35 | .77 |
| A48F503 | RM-42 | 2400 | 1.4 | .58 |
| A48F504 | RM-12 | 3600 | 1.4 | .82 |
| A23F673 | RM-12R | 3600 | 1.35 | .82 |
| A48F505 | RM-12RT | 3600 | 1.35 | .87 |
| A48F506 | RM-12RT2 | 3600 | 1.35 | .92 |
| A48F507 | RM-42R | 14000 | 1.4 | 1.85 |
| A23F590 | RM-42R | 14000 | 1.35 | 2.25 |
| A23F591 | RM-42RT | 14000 | 1.35 | 2.30 |
| A48F508 | RM-42RT2 | 14000 | 1.35 | 2.35 |
| A23F592 | RM-400R | 75 | 1.35 | .25 |

MERCURY TRANSISTOR POWER PAKS

| | | | | |
|---------|---------|------|------|------|
| A23F645 | TR-113R | 250 | 4.05 | 1.29 |
| A23F646 | TR-114R | 250 | 5.4 | 1.30 |
| A23F662 | TR-115R | 250 | 6.75 | 1.64 |
| A23F663 | TR-132R | 1000 | 2.7 | .84 |
| A23F644 | TR-133R | 1000 | 4.05 | 1.18 |
| A23F647 | TR-134R | 1000 | 5.4 | 1.53 |
| A23F648 | TR-135R | 1000 | 6.75 | 1.85 |
| A23F649 | TR-136R | 1000 | 8.1 | 2.30 |
| A23F665 | TR-152R | 350 | 2.7 | .72 |
| A23F652 | TR-153R | 350 | 4.05 | .92 |
| A23F653 | TR-162R | 500 | 2.7 | .87 |
| A23F654 | TR-163R | 500 | 4.05 | 1.10 |
| A23F668 | TR-164R | 500 | 5.4 | 1.35 |
| A23F669 | TR-165R | 500 | 6.75 | 1.64 |

MALLORY MERCURY PENLIGHT

| | | | | |
|---------|------|------|-----|-----|
| A48F535 | ZM-9 | 2400 | 1.4 | .51 |
|---------|------|------|-----|-----|

| Cat. No. | Type | Cap. MAH | No Load Voltage | Net |
|----------|-----------|----------|-----------------|------|
| A23F660 | RM-401R | 800 | 1.35 | .36 |
| A48F509 | RM-411 | 120 | 1.4 | 2.50 |
| A48F510 | RM-412 | 120 | 22.4 | 3.50 |
| A48F511 | RM-413 | 120 | 28 | 4.50 |
| A48F512 | RM-415 | 120 | 42 | 6.50 |
| A23F593 | RM-450R | 350 | 1.35 | .34 |
| A23F674 | RM-502R | 2400 | 1.35 | .65 |
| A23F594 | RM-601R | 1800 | 1.35 | .65 |
| A23F595 | RM-625R | 350 | 1.35 | .30 |
| A23F661 | RM-625RT | 350 | 1.35 | .35 |
| A48F513 | RM-625RT2 | 350 | 1.35 | .40 |
| A48F514 | RM-630 | 350 | 1.4 | .30 |
| A23F596 | RM-630R | 350 | 1.35 | .30 |
| A48F515 | RM-640 | 500 | 1.4 | .30 |
| A23F597 | RM-640R | 500 | 1.35 | .30 |
| A48F516 | RM-640RT2 | 500 | 1.35 | .40 |
| A48F520 | RM-675 | 175 | 1.4 | .26 |

MERCURY TRANSISTOR POWER PAKS

| | | | | |
|---------|-----------|------|------|------|
| A48F521 | TR-114RT2 | 250 | 5.4 | 1.60 |
| A48F522 | TR-120 | 800 | 2.8 | 1.10 |
| A48F523 | TR-133 | 1000 | 4.2 | 1.18 |
| A48F524 | TR-137R | 1000 | 9.45 | 2.68 |
| A48F525 | TR-140 | 1600 | 1.35 | 1.12 |
| A48F526 | TR-145 | 250 | 7 | 1.58 |
| A48F527 | TR-146 | 350 | 8.4 | 1.58 |
| A48F528 | TR-163 | 500 | 4.2 | 1.10 |
| A48F529 | TR-164 | 500 | 5.6 | 1.35 |
| A48F530 | TR-165 | 500 | 7 | 1.64 |
| A48F531 | TR-175 | 350 | 7 | 1.02 |
| A48F532 | TR-177 | 250 | 9.8 | 1.37 |
| A48F533 | TR-233 | 2200 | 4.2 | 1.80 |
| A48F534 | TR-234 | 2200 | 5.6 | 2.44 |

MALLORY MERCURY PENLIGHT

| | | | | |
|---------|-------|------|-----|-----|
| A23F462 | DM-9N | 2400 | 1.4 | .54 |
|---------|-------|------|-----|-----|



Acme Miniature Battery Holder

Part number -I, indicates batteries held in line, -S indicates batteries held side by side, -IS indicates 2 in line, the rest side by side. The types listed can accommodate almost every possible battery and combination of batteries for transistor and other applications.

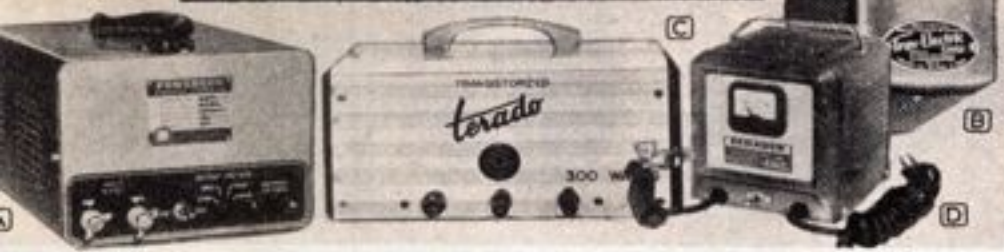
| Cat. No. | Type | Holder For | Net |
|----------|-------|---------------|-----|
| A23F957 | 1 | 1 #7 cell | .30 |
| A23F958 | 2-5 | 2 #7 cells | .50 |
| A48F600 | 2A-S | 2 #7 cells | .40 |
| A23F959 | 3-5 | 3 #7 cells | .65 |
| A23F960 | 4-5 | 4 #7 cells | .85 |
| A23F546 | 5 | 1 #29R cell | .30 |
| A23F547 | 6-5 | 2 #29R cells | .50 |
| A48F601 | 6A-S | 2 #29R cells | .40 |
| A23F548 | 7-5 | 3 #29R cells | .65 |
| A23F549 | 8-5 | 4 #29R cells | .85 |
| A23F550 | 9 | 1 #1 cell | .40 |
| A23F560 | 10-S | 2 #1 cells | .50 |
| A48F602 | 10A-S | 2 #1 cells | .40 |
| A23F964 | 11 | 1 #2R cell | .40 |
| A23F965 | 12-S | 2 #2R cells | .50 |
| A48F603 | 12A-S | 2 #2R cells | .40 |
| A23F561 | 13 | 1 #U15 cell | .40 |
| A48F604 | 14-S | 2 #U15 cells | .50 |
| A48F605 | 15-S | 3 #U15 cells | .85 |
| A48F606 | 16 | 1 #22P1 cell | .45 |
| A48F607 | 17 | 1 #Y20 cell | .50 |
| A48F608 | 18-1 | 2 #Y20 cells | .60 |
| A48F609 | 19 | 1 #U20 cell | .40 |
| A48F610 | 20-S | 2 #U20 cells | .60 |
| A48F611 | 21-S | 2 #29 cells | .65 |
| A48F612 | 22-S | 2 #1 cells | .75 |
| A48F613 | 23-S | 2 #2R cells | .75 |
| A48F614 | 24-S | 2 #7 cells | .65 |
| A48F615 | 25 | 1 #RM12R cell | .40 |
| A48F616 | 26 | 1 #RM1R cell | .40 |
| A48F617 | 27-S | 3 #1 cells | .85 |
| A48F618 | 28-S | 3 #22R cells | .90 |
| A48F619 | 29-1 | 3 #1 cells | .90 |
| A48F620 | 30-1 | 3 #22R cells | .95 |
| A23F966 | 31 | 1 #Y10 cell | .40 |
| A23F967 | 32-S | 2 #Y10 cells | .50 |
| A48F621 | 38-S | 3 #Y10 cells | .75 |

| Cat. No. | Type | Holder For | Net |
|----------|-------|-----------------|------|
| A48F622 | 34-1 | 2 #Y10 cells | .50 |
| A48F623 | 35-1 | 3 #Y10 cells | .65 |
| A48F624 | 36-1 | 2 #7 cells | .50 |
| A48F625 | 37-1 | 2 #29R cells | .50 |
| A48F626 | 38-1 | 2 #1 cells | .60 |
| A48F627 | 39-1 | 2 #22R cells | .65 |
| A48F628 | 40-1S | 4 #7 cells | .80 |
| A48F629 | 41-1S | 4 #29R cells | .85 |
| A48F630 | 42-1S | 4 #1 cells | .90 |
| A48F631 | 43-1S | 4 #22R cells | .95 |
| A23F562 | 44 | 1 #Y15 cell | .30 |
| A23F563 | 45-S | 2 #Y15 cells | .50 |
| A48F632 | 46-S | 3 #Y15 cells | .75 |
| A48F633 | 47-1S | 4 #Y15 cells | .95 |
| A23F968 | 48 | 1 #RM4R cell | .45 |
| A23F969 | 49 | 2 #RM4R cells | .50 |
| A23F970 | 50-1 | 3 #RM4R cells | .55 |
| A23F971 | 51 | 1 #U10 cell | .40 |
| A23F972 | 52-S | 2 #U10 cells | .50 |
| A48F634 | 53-S | 3 #U10 cells | .85 |
| A48F635 | 54 | 1 #E94 cell | .40 |
| A48F636 | 55 | 2 #E94 cells | .40 |
| A48F637 | 58 | 1 #K10 cell | .40 |
| A48F638 | 59-S | 2 #K10 cells | .60 |
| A48F639 | 60 | 1 #K15 cell | .40 |
| A48F640 | 61-S | 2 #K15 cells | .60 |
| A48F641 | 62 | 1 #K20 cell | .40 |
| A48F642 | 63-S | 2 #K20 cells | .60 |
| A48F643 | 64 | 1 #X15 cell | .45 |
| A48F644 | 65 | 1 #TR135R cell | .40 |
| A48F645 | 66-S | 2 #TR135R cells | .60 |
| A48F646 | 67-S | 3 #TR135R cells | .90 |
| A48F647 | 68-S | 4 #TR135R cells | 1.10 |
| A48F648 | 69 | 1 #Y205 cell | .40 |
| A48F649 | 70-S | 2 #Y205 cells | .60 |
| A48F650 | 71-S | 3 #Y205 cells | .90 |
| A48F651 | 72-S | 4 #Y205 cells | 1.10 |

| Cat. No. | Type | Holder For | Net |
|----------|-------|-----------------|------|
| A48F652 | 73 | 1 #TR113R cell | .40 |
| A48F653 | 74 | 1 #TR114R cell | .40 |
| A48F654 | 75 | 1 #TR164R cell | .40 |
| A48F655 | 76 | 1 #TR400R cell | .40 |
| A48F656 | 77 | 1 #RM625R cell | .40 |
| A48F657 | 78 | 1 #RM640R cell | .40 |
| A48F658 | 79 | 1 #8R cell | .45 |
| A48F659 | 80 | 1 #RM450R cell | .40 |
| A48F660 | 81 | 1 #TR112R cell | .40 |
| A48F661 | 82 | 1 #TR120R cell | .50 |
| A48F662 | 83 | 1 #TR140R cell | .50 |
| A48F663 | 84 | 1 #TR146R cell | .60 |
| A48F664 | 85 | 1 #TR154R cell | .40 |
| A48F665 | 86 | 1 #216 cell | .60 |
| A23F973 | 87 | 1 #RM1R cell | .40 |
| A23F974 | 88 | 2 #RM1R cells | .50 |
| A48F666 | 89-1 | 3 #RM1R cells | .65 |
| A48F667 | 90 | 1 #7 cell | .35 |
| A48F668 | 91 | 1 #29R cell | .40 |
| A48F669 | 92 | 1 # cell | .45 |
| A48F670 | 93 | 1 #22R cell | .45 |
| A48F671 | 94-1S | 6 #7 cells | 1.25 |
| A48F672 | 95-1S | 6 #29R cells | 1.25 |
| A48F673 | 96-1S | 6 #1 cells | 1.30 |
| A48F674 | 97-1S | 6 #22R cells | 1.40 |
| A48F675 | 100 | 1 #21R cell | .65 |
| A48F676 | 101 | 1 #21R cell | .70 |
| A48F677 | 102-S | 2 #21R cells | .85 |
| A48F678 | 103-S | 3 #21R cells | 1.25 |
| A48F679 | 104 | 1 #30251M cell | .40 |
| A48F680 | 105 | 1 #302478M cell | .50 |
| A48F681 | 106 | 1 #302462M cell | .50 |
| A48F682 | 107 | 1 #302435M cell | .50 |
| A48F683 | 108 | 1 #1 cell | .60 |
| A48F684 | 109 | 1 #22R cell | .60 |
| A48F685 | 110-S | 2 #1 cells | .50 |
| A48F686 | 111-S | 2 #22R cells | .50 |

| Cat. No. | Type | Holder For | Net |
|----------|-------|--------------------------------|-----|
| A48F687 | 112-S | 2 #1 cells | .70 |
| A48F688 | 113-S | 2 #22R cells | .90 |
| A48F689 | 114 | 1 #7 cell | .30 |
| A48F690 | 115 | 1 #29R cell | .30 |
| A48F691 | 116 | 1 #1 cell | .35 |
| A48F692 | 117 | 1 #22R cell | .35 |
| A48F693 | 118 | 1 #RM601R cell | .40 |
| A48F694 | 119-S | 2 #RM601R cells | .50 |
| A48F695 | 122 | 1 #TR153 cell | .40 |
| A48F696 | 123-S | 2 #TR153 cells | .50 |
| A48F697 | 124 | 1 #2314 cell | .45 |
| A48F698 | 125 | 1 #U30 cell | .30 |
| A48F699 | 126 | 1 #U16 cell | .50 |
| A48F700 | 127 | 1 #XX9 cell | .45 |
| A48F701 | 128 | 1 #430P cell | .45 |
| A48F702 | 129 | 1 #TR152R or RM401R cell | .40 |
| A48F703 | 130-S | 2 #TR152R or RM401R cells | .50 |
| A48F704 | 131-S | 3 #TR152R or RM401R cells | .65 |
| A48F705 | 132-S | 4 #TR152R or RM401R cells | .85 |
| A48F706 | 133 | 1 #TR136R cell | .65 |
| A48F707 | 134 | 1 #TR115, TR132 or TR163 cell | .40 |
| A48F708 | 135-S | 2 #TR115, TR132 or TR163 cells | .60 |
| A48F709 | 136-S | 3 #TR115, TR132 or TR163 cells | .90 |
| A48F710 | 137 | 1 #TR165 cell | .50 |
| A48F711 | 138-S | 2 #TR165 cells | .65 |
| A48F712 | 139-S | 3 #TR165 cells | .90 |
| A48F713 | 140 | 1 #K15 cell | .40 |
| A48F714 | 141-S | 2 #K15 cells | .60 |

BATTERY CHARGERS & CONVERTERS



NEW CORNELL-DUBILIER POWERCON CONVERTERS

(A) DC to AC Vibrator-Type Converters for every use.

| Cat. No. | Model | Input VDC | Output Coes. | Watts Int. | Service* | Net Ea. |
|-----------|---------|-----------|--------------|------------|----------------------------|---------|
| A23F780 | 12M6 | 12 | 60 | 80 | SH, A, PH, RA, DI | 20.70 |
| A23F781 | 12S10 | 12 | 100 | 125 | RA, DI, TR, PA, IN | 43.50 |
| A23F784 | 110(M)5 | 110 | 50 | 60 | PH, A, DI | 17.10 |
| A23FX785Y | 110L10 | 110 | 100 | 150 | RA, TR, DI, PA, IN | 34.50 |
| A23FX786Y | 110S15 | 110 | 150 | 200 | TV, RA, TR, DI, PA, IN | 43.20 |
| A23FX787Y | 110H25 | 110 | 250 | 325 | TV, RA, TR, DI, PA, IN | 53.70 |
| A23FX975 | 12SF2 | 12 | 20 | 20 | SH | 8.04 |
| A23FX976Y | 12H15 | 12 | 150 | 175 | TV, RA, TR, DI, PA, IN | 59.70 |
| A23FX977Y | 12SH20 | 12 | 200 | 250 | TV, RA, TR, DI, PA, IN | 77.70 |
| A23FX978Y | 12SW25 | 12 | 250 | 275 | TV, RA, TR, DI, PA, IN, MT | 92.70 |

*Principal Service—(RA) radio, (A) amplifiers, (TV) television, (PH) phone-motors, (DI) dictation, (SH) industrial, (TR) tape recorder, (SH) shaver, (PA) public address, (MT) mobile transmitter. Above uses assume loads within nameplate watts and P.F. ratings.

TERADO CONVERTERS FOR AUTO SHAVERS, ETC.

(B) Travelers' 6, 12VDC DC-to-AC converters for operating 110V electrical appliances from car batteries. Equipped with plug which fits cigar lighter socket. Convert 6 or 12 volts DC to 110V 60 cy. AC; completely filtered output. Operates radios, amplifiers, recorders, soldering irons, incandescent lights, electric razors, portable TV, etc. Permits auto use of broadcast, short-wave receivers. Choose according to maximum load for type of AC equipment you will be operating.

| Cat. No. | Terado No. | Input DC Volts | Watts Coes. | Watts Inter. | Size inches | Wt. | Net Ea. |
|-----------|------------|----------------|-------------|--------------|-----------------------|-------|---------|
| A23F401 | 50102 | 6 | 10 | 15 | 2 x 2 x 3 1/2 | 2 1/2 | 9.31 |
| A23F402 | 50103 | 12 | 15 | 20 | 2 x 2 x 3 1/2 | 2 1/4 | 9.31 |
| A23FX405 | 50115 | 6 | 35 | 40 | 2 1/2 x 2 1/2 x 4 1/2 | 3 1/4 | 15.98 |
| A23FX406 | 50116 | 12 | 40 | 50 | 2 1/2 x 2 1/2 x 4 1/2 | 3 1/4 | 15.98 |
| A23FX407Y | 50121 | 6 | 40 | 50 | 6 x 5 x 4 | 8 | 27.68 |
| A23FX408Y | 50122 | 12 | 50 | 60 | 6 x 5 x 4 | 8 | 27.68 |
| A23FX410Y | 50127 | 12 | 75 | 85 | 6 x 5 x 4 | 8 | 27.68 |
| A23FX412Y | 50138 | 12 | 100 | 125 | 6 x 5 x 4 | 9 | 33.32 |
| A23FX413Y | 50134† | 6 | 55 | 75 | 4 x 5 x 6 | 9 | 46.66 |
| | | 12 | 85 | 110 | 4 x 5 x 6 | 9 | 38.65 |
| A23FX961Y | 50175 | 12 | 150 | 175 | 6 x 6 x 10 1/2 | 21 | 66.37 |
| A23FX423Y | 50153** | 12 | 175 | 200 | 6 x 6 x 10 1/2 | 25 | 73.34 |

**Unit mounts in trunk, cables supplied, to connect to regulator. Remote control mounts under dash. †Plug into 6 or 12 volt automobile lighter without switching; automatic, no danger of connecting to higher voltage, no installation.

TERADO AUTO CONVERTERS

(C) TRANSISTORIZED CHIEF: Now no vibrator! Completely transistorized circuit eliminates both vibrators and noise. Ideal for phonos, radios, recorders, electric razors, etc. Model #50190 converts 12 volts DC input to 115 volts AC, 60 cycle, output at 100 watts constant. Filtered. List \$74.50.

A23FX403 Model 50190.....\$5 Monthly, Net 49.17
CONTINENTAL WITH REMOTE CONTROL: Model #50191 is identical to one above, except the output is 300 watts constant. List \$149.50.

A23FX404 Model 50191.....\$5 Monthly, Net 98.67

(D) SCHAUER 6 AND 12 VOLT BATTERY CHARGERS—Model B3612—6 Ampere Charger—Charges either 6-volt or 12-volt batteries at a rate which will fully charge the average battery in from 7 to 9 hours. Charger is equipped with a selector switch for changing operation from one voltage to another. Size: 6 1/4" x 6" x 7 1/4". Weight 8 lbs.

A23FX318 B3612.....\$2 down, Net 19.15



Famous
SCHAUER
'KAR-START'

\$4.33



Replacement
VIBRATOR

\$1.19

Useful in cars, boats, etc., wherever 6V DC must be changed to 115 V AC. Standard 1 1/2" x 2 1/2" size, 4 prong. Shpg. wt. 1/2 lb. Guaranteed. Base diagram and replacement types on label. Replaces many Mallory, Radiart, Utah vibrators, and Vokar NP42V.

| Cat. No. | Description | Net Ea. | Lots of 5/Ea. |
|----------|-------------|---------|---------------|
| A95L106 | 6V | 1.19 | 1.05 |
| A95L114 | 12V-4 Prong | 1.25 | 1.10 |
| A95L112 | 12V-3 Prong | 1.25 | 1.10 |

PLASTIC CASES

by Bradley



CLEAR PLASTIC CASES TO HOUSE MINIATURE ELECTRONIC DEVICES—Assorted sizes with hinged removable cover; made of transparent Polystyrene. For transistor, subminiature or miniature amplifier, receiver, etc. Lightweight, durable; non-scratch surface.

| Cat. No. | Bradley | Dimensions (LxWxH) | Net Ea. |
|----------|---------|-----------------------------|---------|
| A37H570 | 48B | 2 1/2 x 2 x 1 1/2" | .15 |
| A37H571 | 58B | 3 1/2 x 2 1/2 x 1 1/2" | .25 |
| A37H572 | 44 | 3 1/2 x 3 1/2 x 1 1/2" | .17 |
| A37H576 | 1W | 4 1/2 x 3 1/2 x 1 1/2" | .24 |
| A37H574 | 174 | 5 1/2 x 2 1/2 x 1 1/2" | .27 |
| A37H575 | 315CNH | 7 1/2 x 5 x 1 1/2" w/handle | .64 |

HINGED COMPARTMENT BOXES—Similar to above except with compartments—excellent for holding hardware and other small parts.

| Cat. No. | Bradley | Dimensions | Net Ea. |
|----------|---------|-------------------------------------|---------|
| A37H577 | 103 | 4 1/2 x 2 1/2" w/6 compts. | .28 |
| A37H578 | 104 | 4 1/2 x 2 1/2" w/8 compts. | .28 |
| A37H579 | 204 | 7 x 3 1/2 x 1 1/2" w/12 compts. | .46 |
| A37H580 | 301 | 8 1/2 x 4 1/2 x 1 1/2" w/18 compts. | .66 |

RCA Transistor Batteries



FOR PORTABLE RADIOS

RCA Batteries are scientifically designed to give maximum performance. These batteries give long life for use in transistor portable radios and any other battery-powered transistor units.

| Cat. No. | RCA Type | Volts | Shp. Wt. lbs. Ea. | Net Ea. |
|----------|----------|-----------|-------------------|---------|
| A48F437 | VS-305 | 9 | 4 oz. | 1.30 |
| A48F438 | VS-323 | 9 | 4 oz. | .95 |
| A48F439 | VS-324 | 4 1/2 | 6 oz. | 1.19 |
| A48F440 | VS-074 | 1 1/2 | 2 oz. | .10 |
| A48F441 | VS-336 | 1 1/2 | 3 oz. | .16 |
| A48F442 | VS-334 | 1 1/2 | 2 oz. | .16 |
| A48F443 | VS-315 | 7 1/2 | 14 oz. | 1.05 |
| A48F444 | VS-306 | 9 | 1 | 1.26 |
| A48F445 | VS-301 | 3, 6, 9 | 6 oz. | 1.76 |
| A48F446 | VS-322 | 9 | 6 oz. | 1.05 |
| A48F447 | VS-300A | 9 | 2 oz. | .95 |
| A48F448 | VS-304 | 9, 13 1/2 | 4 oz. | 1.05 |
| A23F737 | VS-312 | 8 | 1.6 oz. | 1.58 |
| A23F738 | VS-313 | 1.4 | 12 oz. | .51 |
| A23F744 | VS-400 | 4 | 3 oz. | 1.80 |

Use The Radio Shack
Easy Payment Plan.
Pay While You Use
The Equipment.
See Page 3.



Metal Products



STANDARD CHASSIS BASES

A High-quality, sturdily constructed chassis bases. Available in zinc-plated and black-wrinkle steel, and lightweight aluminum. One-piece construction; corners reinforced and spot-welded. The four sides are folded at the bottom to provide addi-

tional strength and for easy addition of bottom plate. 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: 2 x 9 1/2 x 5".

| H.W.D. | Black-Wrinkle Steel | | | Zinc-Plated Steel | | | Aluminum | | | | | |
|--------------------|---------------------|----------|-------|-------------------|----------|----------|----------|---------|----------|----------|-------|---------|
| | Cat. No. | Type | lbs. | Net Ea. | Cat. No. | Type | lbs. | Net Ea. | Cat. No. | Type | lbs. | Net Ea. |
| 2 x 6 x 4" | | | | | | | | | A57H343 | AC-431‡ | 3/4 | 1.09 |
| 2 x 7 x 5" | A57H300 | CB-629* | 1 | 1.05 | A57H316 | CB-629* | 1 1/4 | 1.27 | A57H345 | AC-402‡ | 3/4 | 1.15 |
| 2 1/2 x 9 1/2 x 5" | A57H301 | CB-644* | 1 1/4 | 1.34 | A57H317 | CB-645* | 1 1/2 | 1.64 | A57H347 | AC-403‡ | 3/4 | 1.22 |
| 1 1/2 x 9 1/2 x 5" | A57H302 | CB-788* | 1 | 1.18 | | | | | | | | |
| 3 x 6 x 4" | | | | | | | | | A57H342 | AC-430‡ | 3/4 | 1.31 |
| 3 x 7 x 5" | | | | | | | | | A57H346 | AC-429** | 1 | 1.39 |
| 3 x 9 1/2 x 5" | | | | | | | | | A57H348 | AC-421‡ | 1 | 1.57 |
| 3 x 10 x 5" | A57H303 | CB-604* | 1 1/4 | 1.24 | A57H318 | CB-605* | 1 1/2 | 1.80 | A57H349 | AC-404‡ | 1 | 1.60 |
| 3 x 13 x 5" | | | | | | | | | A57H350 | AC-422‡ | 1 | 1.80 |
| 3 x 17 x 6" | | | | | | | | | A57H351 | AC-433** | 1 1/2 | 2.62 |
| 2 x 7 x 7" | | | | | | | | | A57H319 | CB-1191† | 1 1/4 | 1.47 |
| 2 x 9 x 7" | A57H304 | CB-790* | 1 1/2 | 1.37 | A57H320 | CB-1192* | 1 1/4 | 1.56 | A57H352 | AC-405‡ | 3/4 | 1.32 |
| 2 x 11 x 7" | A57H305 | CB-791* | 1 1/2 | 1.42 | A57H321 | CB-1193† | 1 1/4 | 1.64 | A57H353 | AC-406‡ | 3/4 | 1.43 |
| 3 x 12 x 7" | | | | | | | | | A57H322 | CB-1193† | 1 1/4 | 1.55 |
| 2 x 13 x 7" | | | | | | | | | A57H323 | CB-1194† | 2 | 1.96 |
| 3 x 15 x 7" | A57H306 | CB-649† | 2 | 1.96 | | | | | A57H354 | AC-408‡ | 1 1/4 | 1.96 |
| 3 x 15 x 8 1/2" | A57H307 | CB-665† | 2 1/2 | 2.20 | A57H324 | CB-666† | 2 1/4 | 2.65 | A57H355 | AC-409‡ | 1 | 1.64 |
| 3 x 17 x 4" | A57H308 | CB-1068† | 2 1/4 | 1.76 | A57H325 | CB-1066† | 2 1/2 | 2.10 | A57H357 | AC-411** | 1 1/2 | 2.28 |
| 2 1/2 x 17 x 7" | A57H309 | CB-648† | 2 1/2 | 1.95 | | | | | | | | |
| 3 x 17 x 7" | | | | | A57H326 | CB-758† | 2 | 2.54 | A57H358 | AC-423** | 1 1/2 | 2.20 |
| 2 1/2 x 10 x 8" | A57H310 | CB-701† | 2 | 1.69 | A57H327 | CB-702† | 2 1/4 | 1.98 | | | | |
| 2 1/2 x 12 x 8" | | | | | A57H328 | CB-704† | 2 1/4 | 2.20 | | | | |
| 3 x 12 x 8" | | | | | A57H329 | CB-760† | 2 | 2.29 | A57H359 | AC-424** | 1 1/2 | 2.37 |
| 2 x 17 x 8" | | | | | A57H330 | CB-774† | 2 1/4 | 2.30 | A57H360 | AC-425** | 1 1/2 | 2.46 |
| 3 x 17 x 8" | | | | | A57H331 | CB-775† | 3 1/2 | 2.57 | A57H361 | AC-412** | 2 | 2.78 |
| 3 x 12 x 10" | | | | | A57H332 | CB-1195† | 3 1/2 | 2.21 | A57H362 | AC-413** | 1 1/2 | 2.62 |
| 3 x 14 x 10" | | | | | A57H333 | CB-779† | 4 1/2 | 2.39 | A57H363 | AC-414** | 2 | 2.78 |
| 2 x 17 x 10" | | | | | A57H334 | CB-769† | 3 1/2 | 2.35 | A57H364 | AC-415** | 1 1/2 | 2.63 |
| 3 x 17 x 10" | A57H311 | CB-636† | 4 | 1.96 | | | | | A57H365 | AC-416** | 2 1/4 | 3.11 |
| 3 x 17 x 10" | | | | | A57H335 | CB-637† | 4 | 2.78 | | | | |
| 2 x 17 x 11" | | | | | A57H336 | CB-771‡ | 4 1/4 | 3.42 | A57H366 | AC-426†† | 2 1/2 | 3.35 |
| 3 x 17 x 11" | | | | | | | | | A57H367 | AC-417†† | 3 | 3.89 |
| 3 x 17 x 12" | | | | | A57H337 | CB-772‡ | 5 1/2 | 3.65 | A57H368 | AC-418†† | 3 | 4.00 |
| 2 x 17 x 13" | | | | | A57H338 | CB-773‡ | 6 | 3.99 | A57H369 | AC-419†† | 2 1/4 | 3.44 |
| 3 x 17 x 13" | A57H312 | CB-660‡ | 5 1/2 | 3.34 | A57H339 | CB-641‡ | 7 | 3.44 | A57H370 | AC-420†† | 3 | 4.17 |
| 4 x 17 x 10" | A57H313 | CB-640‡ | 6 1/2 | 2.86 | A57H340 | CB-643‡ | 8 | 4.59 | A57H371 | AC-427†† | 3 1/2 | 4.42 |
| 4 x 17 x 13" | A57H314 | CB-642‡ | 7 1/2 | 3.84 | A57H341 | CB-626‡ | 8 1/2 | 5.81 | A57H372 | AC-428†† | 4 | 5.16 |
| 5 x 17 x 13" | A57H315 | CB-625‡ | 8 | 4.83 | | | | | | | | |

Note: Last nine above are punched to take mounting brackets.

ALUMINUM MINIBOXES

B Thousands of uses in radio and electronics for these boxes of high quality aluminum. Design permits installation of more components than would be possible in conventionally designed box of the same size. New design now allows Minibox to be used as a snap-lock or screw type box. On models A57H668 and A57H677 flange type construction assures adequate shielding. Available in either etched aluminum finish or grey hammertone finish.

| L.H.W. | Wt. lbs. | Grey Hammertone | | Etched Finish | | Net | |
|------------------------|----------|-----------------|---------|---------------|---------|---------|------|
| | | Cat. No. | Bud | Cat. No. | Bud | | |
| 2 1/4 x 2 1/4 x 1 1/4" | 1/4 | A57H668 | CU-2100 | .83 | A57H677 | CU-3000 | .61 |
| 3 1/4 x 2 1/4 x 1 1/4" | 1/4 | A57H669 | CU-2101 | .90 | A57H678 | CU-3001 | .61 |
| 4 x 2 1/4 x 1 1/4" | 1/4 | A57H670 | CU-2102 | .90 | A57H679 | CU-3002 | .61 |
| 4 x 2 1/4 x 2 1/4" | 1/4 | A57H671 | CU-2103 | .98 | A57H680 | CU-3003 | .73 |
| 5 x 2 1/4 x 2 1/4" | 1/4 | A57H672 | CU-2104 | 1.07 | A57H681 | CU-3004 | .76 |
| 5 x 4 x 3" | 1/2 | A57H673 | CU-2105 | 1.23 | A57H682 | CU-3005 | .92 |
| 5 1/2 x 3 x 2 1/2" | 1/4 | A57H674 | CU-2106 | 1.07 | A57H683 | CU-3006 | .80 |
| 5 x 5 x 4" | 3/4 | A57H675 | CU-2107 | 1.86 | A57H684 | CU-3007 | 1.44 |
| 7 x 5 x 3" | 3/4 | A57H676 | CU-2108 | 1.78 | A57H685 | CU-3008 | 1.37 |
| 8 x 6 x 3 1/2" | 1 | A57H686 | CU-2109 | 2.19 | A57H695 | CU-3009 | 1.68 |
| 10 x 6 x 3 1/2" | 1 1/4 | A57H687 | CU-2110 | 2.54 | A57H696 | CU-3010 | 1.98 |
| 12 x 7 x 4" | 1 3/4 | A57H688 | CU-2111 | 3.21 | A57H697 | CU-3011 | 2.66 |
| 17 x 5 x 4" | 2 1/4 | A57H689 | CU-2112 | 3.44 | A57H698 | CU-3012 | 2.86 |
| 10 x 2 x 1 1/4" | 1/8 | A57H690 | CU-2113 | 1.35 | A57H699 | CU-3013 | 1.13 |
| 12 x 2 1/2 x 2 1/2" | 3/4 | A57H691 | CU-2114 | 1.67 | A57H700 | CU-3014 | 1.35 |
| 4 x 2 x 2 1/4" | 1/4 | A57H692 | CU-2115 | 1.07 | A57H701 | CU-3015 | .73 |
| 4 1/4 x 2 1/4 x 1 1/4" | 1/4 | A57H693 | CU-2116 | .98 | A57H702 | CU-3016 | .71 |
| 3 1/4 x 2 1/4 x 1 1/4" | 1/4 | A57H694 | CU-2117 | .82 | A57H703 | CU-3017 | .61 |

ALUMINUM RACK PANELS

C Sturdy high quality rack panels. Standard notching fits cabinet, open, and desk type racks. All are 19" wide and 1/4" thick.

| Height | Block Wrinkle | | Grey Wrinkle | | Grey Hammertone | | lbs. | Net Ea. |
|---------|---------------|------|--------------|------|-----------------|------|------|---------|
| | Cat. No. | Type | Cat. No. | Type | Cat. No. | Type | | |
| 1 1/2" | A57H433 | | A57H457 | | A57H445 | | 1 | 1.07 |
| 3 1/2" | A57H434 | | A57H458 | | A57H446 | | 2 | 1.39 |
| 5 1/2" | A57H435 | | A57H459 | | A57H447 | | 2 | 1.88 |
| 7" | A57H436 | | A57H460 | | A57H448 | | 2 | 2.37 |
| 8 1/2" | A57H437 | | A57H461 | | A57H449 | | 3 | 2.78 |
| 10 1/2" | A57H438 | | A57H462 | | A57H450 | | 3 | 3.52 |
| 12 1/2" | A57H439 | | A57H463 | | A57H451 | | 4 | 4.01 |
| 14" | A57H440 | | A57H464 | | A57H452 | | 4 | 4.66 |
| 15 1/2" | A57H441 | | A57H465 | | A57H453 | | 5 | 5.24 |
| 17 1/2" | A57H442 | | A57H466 | | A57H454 | | 5 | 5.73 |
| 19 1/2" | A57H443 | | A57H467 | | A57H455 | | 6 | 6.30 |
| 21" | A57H444 | | A57H468 | | A57H456 | | 7 | 6.85 |

BUD MINISLIDE

D Here's the ideal housing for components or assemblies where easy access to internally mounted parts is important. Accessibility is achieved by removing the sliding cover. Can be mounted in a number of positions in a rack or cabinet. Fabricated of .050 aluminum.

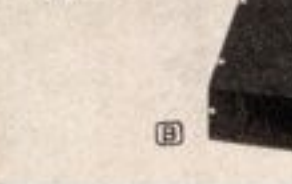
| Hammer-tone | Natural | Mfrs. Type | Length In. | Width In. | Height In. | Weight | |
|-------------|---------|------------|------------|-----------|------------|--------|------|
| | | | | | | lbs. | Ea. |
| A57H558 | | MS-2150 | 13 | 3 1/2 | 2 1/2 | 1 | 3.62 |
| | A57H559 | MS-3050 | 13 | 3 1/2 | 2 1/2 | 1 | 2.79 |
| A57H560 | | MS-2151 | 13 | 5 1/2 | 2 1/2 | 1 1/2 | 4.22 |
| | A57H561 | MS-3051 | 13 | 5 1/2 | 2 1/2 | 1 1/2 | 3.43 |
| A57H562 | | MS-2152 | 17 | 3 1/2 | 2 1/2 | 1 1/4 | 4.07 |
| | A57H563 | MS-3052 | 17 | 3 1/2 | 2 1/2 | 1 1/4 | 3.29 |

BUD Metal Cabinets

FOR LAB AND HOBBY USE!



A UNIVERSAL SLOPING PANEL CABINETS—Detachable back-bottom is one piece. Accommodates miniature aluminum chassis. Height 3 3/8", depth 4 1/4". Grey hammertone finish, steel or aluminum.



B BUD SLOPING PANEL CABINETS—Attractive, professionally styled, sloping panel steel cabinets. Hinged top for easy access to tubes and other top-of-chassis components without removing front panel. Excellent for amplifiers, oscillators, test instruments, power supplies, etc. Handsome black-wrinkle finish. Light grey hammertone optional.

| STEEL | | | | |
|----------|--------|-------|-----------|----------|
| Cat. No. | Bud | Width | Wt., lbs. | Net. Ea. |
| A57H481 | C 1606 | 4" | 3/4 | 1.42 |
| A57H482 | C 1607 | 5" | 3/4 | 1.52 |
| A57H483 | C 1608 | 6" | 1 1/8 | 1.62 |
| A57H484 | C 1609 | 7" | 1 1/8 | 1.86 |

| ALUMINUM | | | | |
|----------|---------|-------|-----------|----------|
| Cat. No. | Bud | Width | Wt., lbs. | Net. Ea. |
| A57H485 | AC 1610 | 4" | 1/2 | 1.65 |
| A57H486 | AC 1611 | 5" | 1/2 | 1.71 |
| A57H487 | AC 1612 | 6" | 3/4 | 1.86 |
| A57H488 | AC 1613 | 7" | 3/4 | 2.06 |

C STREAMLINED CABINETS—Handsome, sturdily constructed cabinets, featuring rounded corners. Recessed hinged top, plus 3 3/8" opening across rear permits easy access to tubes, terminals, etc. Front panel fastens with self tapping screws. Side louvers provide ample ventilation. Excellent for Amateur receivers, transmitters, VFO's, test equipment, and all electronic devices not requiring excessive depth. Open end chassis recommended for use in these cabinets. Finish black wrinkle or grey hammertone. Grey wrinkle also available.

| Cat. No. | Bud | H.W.D. | lbs. | Net. Ea. |
|----------|--------|-------------------------|-------|----------|
| A57HX653 | C-1584 | 6 1/2 x 7 1/4 x 7 3/8" | 3 | 3.24 |
| A57HX655 | C-1585 | 6 1/2 x 9 1/4 x 7 3/8" | 3 1/2 | 3.67 |
| A57HX657 | C-1586 | 6 1/2 x 11 1/4 x 7 3/8" | 4 | 4.26 |
| A57HX659 | C-1892 | 8 x 13 1/4 x 8 1/2" | 5 1/2 | 5.83 |
| A57HX661 | C-1893 | 10 x 18 1/4 x 8 1/2" | 5 1/2 | 5.83 |
| A57HX661 | C-1893 | 10 x 18 1/4 x 10 1/2" | 9 | 7.69 |
| A57HX654 | C-1587 | 8 x 8 1/2 x 8" | 3 1/4 | 4.42 |
| A57HX656 | C-1588 | 8 x 10 1/2 x 8" | 3 1/4 | 4.91 |
| A57HX658 | C-1894 | 8 x 14 1/2 x 8" | 4 1/2 | 5.24 |
| A57HX660 | C-1896 | 9 x 18 1/2 x 8 1/2" | 7 1/2 | 7.53 |

D BUD MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS—For building electronic devices using miniature tubes or transistors. Front and rear panels are removable and fastened with self tapping screws that permit easy accessibility. Finished in black wrinkle enamel only. Wt.: C-1793, C-1794, C-1795 1 lb. C-1797, C-1796 1 1/8 lbs.; C-1798 2 1/8 lbs.

| Cat. No. | Bud | Cabinet H.W.D. | Chassis H.W.D. | Net Ea. |
|----------|--------|----------------|------------------------|---------|
| A57H647 | C-1793 | 4 x 4 x 2" | 1 x 3 1/2 x 1 1/2" | 1.31 |
| A57H648 | C-1794 | 4 x 5 x 3" | 1 x 4 1/2 x 2 1/2" | 1.45 |
| A57H649 | C-1795 | 5 x 4 x 3" | 1 1/2 x 3 1/2 x 2 1/2" | 1.59 |
| A57H650 | C-1797 | 5 x 6 x 4" | 1 1/2 x 5 1/2 x 3 1/2" | 1.88 |
| A57H651 | C-1796 | 6 x 5 x 4" | 1 1/2 x 4 1/2 x 3 1/2" | 1.67 |
| A57H652 | C-1798 | 6 x 6 x 6" | 1 1/2 x 4 1/2 x 5 1/2" | 2.13 |



C STREAMLINED CABINETS—Handsome, sturdily constructed cabinets, featuring rounded corners. Recessed hinged top, plus 3 3/8" opening across rear permits easy access to tubes, terminals, etc. Front panel fastens with self tapping screws. Side louvers provide ample ventilation. Excellent for Amateur receivers, transmitters, VFO's, test equipment, and all electronic devices not requiring excessive depth. Open end chassis recommended for use in these cabinets. Finish black wrinkle or grey hammertone. Grey wrinkle also available.

E METAL UTILITY CABINETS—General-purpose cabinet for all types of electronic equipment. Welded steel or high-grade sheet aluminum. Two removable panels for easy, quick access to interior. Sides attached to flange of cabinet with self-tapping screws. Excellent for building receivers, monitors, frequency meters, VFO's, transmitters, etc. Well adapted for shielding of pre-amplifier stages, RF sections, feed-backs, etc.

| STEEL | | | | |
|------------------------|--------|--------------|----------|---------|
| Block Wrinkle Cat. No. | Bud | Size H.W.D. | Wt. lbs. | Net Ea. |
| A57H627 | CU883 | 4 x 4 x 2" | 1 1/2 | 1.07 |
| A57H628 | CU728 | 4 x 5 x 3" | 1 1/2 | 1.20 |
| A57H629 | CU729 | 6 x 5 x 4" | 2 1/2 | 1.35 |
| A57H630 | CU1098 | 6 x 6 x 6" | 3 | 2.05 |
| A57H631 | CU1099 | 9 x 6 x 5" | 4 | 2.30 |
| A57H632 | CU879 | 10 x 8 x 7" | 5 | 3.24 |
| A57H633 | CU880 | 10 x 10 x 8" | 5 1/2 | 3.93 |
| A57H634 | CU1124 | 12 x 7 x 6" | 5 | 3.22 |
| A57H635 | CU881 | 12 x 11 x 8" | 6 | 4.25 |
| A57H636 | CU882 | 15 x 9 x 7" | 7 1/2 | 4.42 |

| ALUMINUM | | | | | | | |
|-----------------|---------|----------|---------|-------------|--------------------------|--------|---------|
| Etched Cat. No. | Bud | Wt. lbs. | Net Ea. | Size H.W.D. | Grey Hammertone Cat. No. | Bud | Net Ea. |
| A57H637 | AU-1083 | 3/4 | 1.27 | 4 x 4 x 2" | A57H642 | HG1083 | 1.47 |
| A57H638 | AU-1028 | 3/4 | 1.34 | 4 x 5 x 3" | A57H643 | HG1028 | 1.64 |
| A57H639 | AU-1029 | 3/4 | 1.47 | 6 x 5 x 4" | A57H644 | HG1029 | 1.80 |
| A57H640 | AU-1039 | 3/4 | 2.13 | 6 x 6 x 6" | A57H645 | HG1039 | 2.37 |
| A57H641 | AU-1040 | 1 | 2.46 | 9 x 6 x 5" | A57H646 | HG1040 | 2.79 |

BUD DELUXE CABINET RACKS—Attractive, ruggedly constructed 16-gauge steel cabinet racks with rounded corners and inlaid chrome trim. Have welded joints. Ideal for commercial broadcast stations. Amateur transmitters, sound or test equipment, etc. Recessed, hinged top doors, equipped with smooth-operating snap locks. Adequate ventilation is provided by louvered sides and a 2 1/2" opening across bottom of the back. Five largest sizes have back doors with snap locks. Others have welded back panels. Drilled for standard RETMA notched panels, tapped for 10-32 screws. Supplied with panel mounting screws. Units are 1 1/4" in depth and 22" wide. Blip on metal feet minimizes marring table tops. "New"—An Aluminum Relay Rack Panel covering entire panel space now furnished at no extra cost.

| Hi. in. | Panel Space in. | Grey Wrinkle Cat. No. | Black Wrinkle Cat. No. | Grey Hammertone Cat. No. | Bud | Wt. lbs. | Net Ea. |
|---------|-----------------|-----------------------|------------------------|--------------------------|----------|----------|---------|
| 8 3/8" | 7" | A57HX814Y | A57HX804Y | A57HX794Y | CR-1726 | 25 | 14.97 |
| 10 1/4" | 8" | A57HX815Y | A57HX805Y | A57HX795Y | CR-1741 | 28 | 16.36 |
| 12 1/4" | 10 1/2" | A57HX816Y | A57HX806Y | A57HX796Y | CR-1740 | 30 | 18.74 |
| 14 1/4" | 12 1/2" | A57HX817Y | A57HX807Y | A57HX797Y | CR-1742 | 32 | 19.72 |
| 15 3/8" | 14" | A57HX818Y | A57HX808Y | A57HX798Y | CR-1739 | 34 | 21.52 |
| 19 1/4" | 17 1/2" | A57HX819Y | A57HX809Y | A57HX799Y | CR-1743* | 38 | 25.70 |
| 33 1/4" | 31 1/2" | A57HX792Y | A57HX812Y | A57HX802Y | CR-1728* | 52 | 30.34 |
| 28 1/4" | 26 1/2" | A57HX821Y | A57HX811Y | A57HX801Y | CR-1744* | 48 | 29.54 |
| 22 1/4" | 21" | A57HX820Y | A57HX810Y | A57HX800Y | CR-1727* | 35 1/2 | 27.50 |
| 36 1/4" | 35" | A57HX793Y | A57HX813Y | A57HX803Y | CR-1745* | 60 | 32.97 |

*These sizes have hinged top and rear doors with snap locks.



D BUD MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS—For building electronic devices using miniature tubes or transistors. Front and rear panels are removable and fastened with self tapping screws that permit easy accessibility. Finished in black wrinkle enamel only. Wt.: C-1793, C-1794, C-1795 1 lb. C-1797, C-1796 1 1/8 lbs.; C-1798 2 1/8 lbs.

BUD CHASSIS BOTTOM PLATES—These bottom plates serve as dust covers and protect all wiring and components on the under side of the chassis. Plates have four embossed feet to prevent sharp edges from damaging table top or other surfaces. Made with aluminum natural finish.

| Cat. No. | Mfrs. Type | Fits Width | Chassis Length | Weight lbs. | Net 1.49 | Net 50.99 | Net 100.149 |
|----------|------------|------------|----------------|-------------|----------|-----------|-------------|
| A57H564 | BPA1589 | 5" | 7" | 1/4 | .73 | .66 | .58 |
| A57H565 | BPA1590 | 5" | 9 1/2" | 1/4 | .73 | .67 | .59 |
| A57H566 | BPA1591 | 5" | 10" | 1/4 | .73 | .67 | .59 |
| A57H567 | BPA1592 | 7" | 7" | 1/2 | .75 | .68 | .61 |
| A57H568 | BPA1593 | 7" | 9" | 1/2 | .78 | .71 | .62 |
| A57H569 | BPA1594 | 7" | 11" | 1/2 | .88 | .79 | .71 |
| A57H570 | BPA1595 | 7" | 12" | 1/2 | .95 | .85 | .76 |
| A57H571 | BPA1596 | 7" | 13" | 1/2 | 1.12 | 1.01 | .89 |
| A57H572 | BPA1597 | 10" | 12" | 3/4 | 1.49 | 1.34 | 1.20 |
| A57H573 | BPA1598 | 13" | 12" | 3/4 | 2.03 | 1.82 | 1.63 |

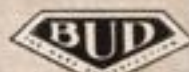


E METAL UTILITY CABINETS—General-purpose cabinet for all types of electronic equipment. Welded steel or high-grade sheet aluminum. Two removable panels for easy, quick access to interior. Sides attached to flange of cabinet with self-tapping screws. Excellent for building receivers, monitors, frequency meters, VFO's, transmitters, etc. Well adapted for shielding of pre-amplifier stages, RF sections, feed-backs, etc.

BUD CHASSIS BOTTOM PLATES—These bottom plates serve as dust covers and protect all wiring and components on the under side of the chassis. Plates have four embossed feet to prevent sharp edges from damaging table top or other surfaces. Made with aluminum natural finish.

| Cat. No. | Bud | Width | Wt., lbs. | Net. Ea. |
|----------|--------|------------|-----------|----------|
| A57H647 | C-1793 | 4 x 4 x 2" | 1.31 | 1.31 |
| A57H648 | C-1794 | 4 x 5 x 3" | 1.45 | 1.45 |
| A57H649 | C-1795 | 5 x 4 x 3" | 1.59 | 1.59 |
| A57H650 | C-1797 | 5 x 6 x 4" | 1.88 | 1.88 |
| A57H651 | C-1796 | 6 x 5 x 4" | 1.67 | 1.67 |
| A57H652 | C-1798 | 6 x 6 x 6" | 2.13 | 2.13 |

PRESTIGE METAL PRODUCTS



The BUD Console Assembly

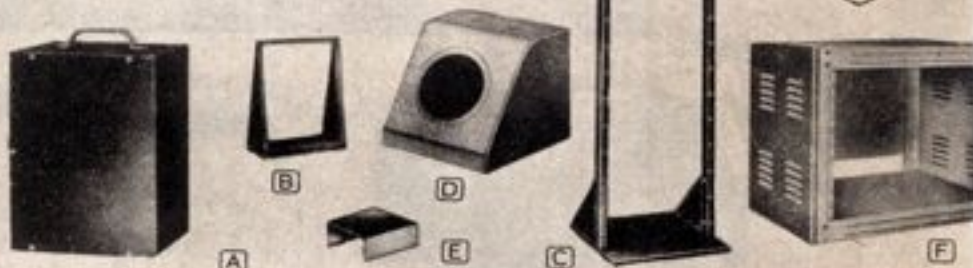
An entirely NEW AND FRESH idea in amateur furniture! This Bud Console Assembly is as adaptable to your needs as the limits of your imagination. The illustration above is just one combination of the parts listed below. Such elements as the pedestal assembly, ball cornered doors and sides, foot rest, plain panel, 25", 47" or 69" table top, console drawer and end pedestal can be combined to make the most attractive, useful consoles available.

| Cat. No. | Type | Description | Ship. Wt. | Net |
|-----------|--------|----------------|-----------|-------|
| A57HX590Y | CP2200 | Fed. Assem. | 37 lbs. | 35.28 |
| A57HX591Y | CD2220 | Ball Cor. Dr. | 14 lbs. | 10.73 |
| A57HX592Y | CK2217 | Ball Cor. Side | 13 lbs. | 8.77 |
| A57HX593Y | CF2201 | Foot Rest | 9 lbs. | 3.78 |
| A57HX594Y | CP2215 | Plain Panel | 11 lbs. | 5.16 |
| A57HX595Y | CP2216 | Leav. Panel | 11 lbs. | 5.88 |
| A57HX586Y | CT2205 | 25" Table Top | 17 lbs. | 22.56 |
| A57HX597Y | CT2206 | 47" Table Top | 31 lbs. | 25.48 |
| A57HX598Y | CT2207 | 69" Table Top | 40 lbs. | 31.46 |
| A57HX599Y | CD2210 | Con. Dr. | 25 lbs. | 31.36 |
| A57HX840Y | CD2202 | End Pedestal | 20 lbs. | 18.57 |

A BUD CARRYING CASES—A versatile cabinet in which to install a variety of equipment. Front and panels removable. Handle may be attached to top. "CC" cases are steel and are available in black wrinkle or gray hammertone. "ACC" cases are aluminum alloy 5005 H-14 and are available in natural finish or light gray hammertone.

| Cat. No. | Type | D. | W. | H. | Ship. Wt. | Net |
|----------|----------|----|-----|-----|-----------|------|
| A57H582 | CC-1096 | 6" | 7" | 12" | 4 | 4.10 |
| A57H583 | CC-1092 | 6" | 12" | 7" | 4 | 4.10 |
| A57H584 | CC-1100 | 8" | 10" | 10" | 5 | 4.74 |
| A57H585 | ACC-2096 | 6" | 7" | 12" | 1 1/2 | 4.41 |

B DESK-TYPE RACKS—Black wrinkle; 24x20"x12" overall; 21" height, 15 lbs.
A57HX756 RR-1248.....Net 8.03
Grey hammertone; 31x20"x12" overall; 28" height; 17 lbs.
A57HX757 RR-1249.....Net 10.00



C OPEN RELAY RACKS—Have chassis-type base, except * has 1/2" iron angles and brackets to permit hooking unit to floor. Durable black wrinkle finish or grey hammertone. All 2 1/2" deep except A57HX755Y 1 3/4" deep.

| Cat. No. | Size | Panel Ht. | Wt. | Net |
|------------|-----------------------|-----------|-----|-------|
| A57HX745Y | Black 35 1/2"x20" | 31 1/2" | 38 | 21.27 |
| A57HX747Y | Black 70 1/2"x20" | 66 1/2" | 44 | 24.30 |
| A57HX752Y | Grey 70 1/2"x20" | 66 1/2" | 44 | 24.30 |
| A57HX755Y* | Black 72 1/2"x20 1/2" | 66 1/2" | 100 | 53.68 |
| A58HX746Y | Black 40 1/2"x20" | 36 1/4" | 37 | 21.32 |
| A57HX751Y | Grey 40 1/2"x20" | 36 1/4" | 37 | 21.32 |
| A57HX748Y | Black 75 1/2"x20" | 71 1/4" | 46 | 24.63 |
| A57HX753Y | Grey 75 1/2"x20" | 71 1/4" | 46 | 24.63 |
| A57HX749Y | Black 81 1/2"x20" | 77" | 48 | 29.38 |
| A57HX754Y | Grey 81 1/2"x20" | 77" | 48 | 29.38 |

OPEN RELAY RACKS—12" deep open racks suitable for desk top use.

| Cat. No. | Size | Panel Ht. | Wt. | Net |
|-----------|------------------|-----------|-----|-------|
| A57HX750Y | Black 24x20 1/2" | 21" | 15 | 8.92 |
| A57HX532Y | Grey 24x20 1/2" | 21" | 15 | 8.92 |
| A57HX533Y | Black 31x20 1/2" | 28" | 17 | 10.97 |
| A57HX757Y | Grey 31x20 1/2" | 28" | 17 | 10.97 |

D UNIVERSAL METER CASE—Center hole punched for 2" meter, has knock-out ring which increases hole to fit 3" meter. One piece, detachable bottom and back fastened to body of case. Two 3/8" knock-out holes in top for installation of feed-through insulators if required. Also used for mounting of switches, volume controls, etc. Grey hammertone finish only. Ship. wt. 1 1/2 lbs.

| Cat. No. | Bud | Net |
|----------|-------------------|------|
| A57H489 | CM 1935 Steel | 1.47 |
| A57H490 | CMA 1936 Aluminum | 1.71 |

E MINIATURE ALUMINUM CHASSIS—Open-end aluminum chassis for limited space applications. Excellent for use with miniature and sub-assemblies. Have 1/4" mounting flanges to allow addition of bottom plate. Etched aluminum finish. Average shipping weight, 3/4 lbs.

| Cat. No. | H.W.D. In. | Fits Cabinet | Net Ea. |
|----------|---------------------|----------------|---------|
| A57H374 | 1 x3 1/2 x1 1/2 | CU-883 | .41 |
| A57H380 | 1 x3 1/2 x4 | C-1606, C-1610 | .40 |
| A57H376 | 1 x4 1/2 x2 1/2 | CU-729 | .44 |
| A57H381 | 1 x4 1/2 x4 | C-1607, C-1611 | .49 |
| A57H382 | 1 x5 1/2 x4 | C-1608, C-1612 | .52 |
| A57H383 | 1 x6 1/2 x4 | C-1609, C-1613 | .54 |
| A57H373 | 1 1/2 x2 1/2 x2 1/2 | — | .37 |
| A57H378 | 1 1/2 x6 1/2 x3 | C-1788 | .52 |
| A57H377 | 1 1/2 x4 1/2 x3 1/2 | CU-729 | .44 |
| A57H379 | 1 1/2 x4 1/2 x5 1/2 | CU-1098 | .56 |
| A57H375 | 2 x4 1/2 x3 1/2 | C-1788 | .47 |

F BUD ASSEMBLY TYPE CABINET RACKS—Heavy duty cabinets distinguished by (1) extra great depth (overall 17 1/2", inside 16 1/2"), (2) shipped knocked down with all necessary assembly hardware. Otherwise quite similar to regular Deluxe Racks: 16 ga. steel. Hinged rear door. Grey hammertone only. Special "Add-a-Cabs" are available to fit these. Radio Shack stocks all Bud Relay Racks. All types and sizes—all orders filled from stock.

| Cat. No. | Bud | Ht. | Panel Space | Shp. Lbs. | Net Ea. |
|-----------|---------|---------|-------------|-----------|---------|
| A57HX712Y | CR-1736 | 24 1/2" | 19 1/2" | 48 | 26.11 |
| A57HX713Y | CR-1737 | 31 1/2" | 26 1/2" | 55 | 28.17 |
| A57HX714Y | CR-1738 | 40 1/2" | 35" | 64 | 33.47 |

Hardware Assortments

GIANT HARDWARE KIT—Type 6500. The famous General Cement "Hell Box," a metal box containing an assortment of thousands of screws, nuts, lugs, clips, washers, clamps, caps and all types of radio parts.

A16J103.....Net 2.44
"SKRU" BOXES—Highest quality plated fasteners in sturdy plastic boxes with positive clasps, 8 compartments, 8 types in each.

Waldom HD-4003—Round head steel machine screws, nuts, 100 each: 4-40x1 1/2", 6-32x1 1/2", 50 each: 6-32x3/4", 8-32x1/2" screws; 75 each: #6x1 1/2" screws; 100 each: 4-40x 3/4", 6-32x3/4", 8-32x1 1/2" steel hex nuts.

A16J625 HD-4003...Net 2.60
Waldom HD-4005—Phillips head screws, nuts, 50 each: 6-32x3/16", 6-32x1/2", 8-32x1/4", 8-32x1/2" screws; 25 each: 6-32x3/8", 8-32x1/2" screws. 100 each: 6-32x3/16"x5/16", 8-32x 3/16"x5/16" hex nuts.

A16J628 HD-4006...Net 2.60
Waldom HD-4006—Terminal lugs, 50 each: #6 hole x 1/2" long, #6x2 1/2", #8x2 1/2", #6x 1", #8x1"; 25 ea.: #8x1 1/2", #10x1 1/2", #9x1 1/2".
A16J628 HD-4006...Net 2.60

32c Hardware Packages



| Cat. No. | Description |
|----------|------------------------------|
| A51J100 | 35 Assorted screws |
| A51J101 | 40 Assorted screws & nuts |
| A51J102 | Assorted 6-32 screws |
| A51J103 | 4-40x1/4" (40) |
| A51J104 | 4-40x1/2" (35) |
| A51J105 | 6-32x1/4" (40) |
| A51J106 | 6-32x1/2" (30) |
| A51J107 | 6-32x3/4" (30) |
| A51J108 | 6-32x1" (30) |
| A51J109 | 6-32x2" (20) |
| A51J110 | 8-32x1/4" (30) |
| A51J111 | 8-32x1/2" (25) |
| A51J112 | 8-32x3/4" (25) |
| A51J113 | 8-32x1" (25) |
| A51J114 | 8-32x1 1/2" (20) |
| A51J115 | 8-32x1 1/4" (20) |
| A51J116 | 25 Misc. PH. mech. scr. |
| A51J117 | 15 Misc. Rock scr. & washrs. |
| A51J118 | 25 Assorted wood screws |
| A51J119 | 15 Misc. Spade bolts |

SHEET METAL SCREWS

| | |
|---------|--------------------|
| A51J120 | 25 Assorted screws |
| A51J121 | 6x screws |
| A51J122 | 6x1/2 screws |
| A51J123 | 6x3/4 screws |
| A51J124 | 8x 1/4 Auto radial |
| A51J125 | 8x1/2 screws |

WING NUTS

| | |
|---------|----------------|
| A51J148 | Assortment |
| A51J149 | 6-32 wing nuts |
| A51J150 | 8-32 wing nuts |

| Cat. No. | Description |
|----------|----------------|
| A51J130 | Assorted #4-36 |
| A51J131 | Assorted 6-32 |
| A51J132 | Assorted 8-32 |

PHONO CARTRIDGE MOUNTING SCREWS

| | |
|---------|------------------|
| A51J133 | Assorted screws |
| A51J134 | 4-36x1/4" screws |
| A51J135 | 4-40x1/4" screws |

HEXAGON NUTS

| | |
|---------|---------------------|
| A51J136 | Assorted hex nuts |
| A51J137 | 40-40x1/4" hex nuts |
| A51J138 | 6-32x1/4" hex nuts |
| A51J139 | 6-32x1/2" hex nuts |
| A51J140 | 8-32x1/4" hex nuts |
| A51J141 | 8-32x1/2" hex nuts |

MOUNTING NUTS

| | |
|---------|---------------------------|
| A51J142 | 12 Assorted nuts |
| A51J143 | 1/2-32 (vol. control) |
| A51J144 | 1/2-32 (toggle sw. size) |
| A51J145 | Rnd. wing toggle sw. size |
| A51J146 | 30 Tinnerman nuts |
| A51J147 | 10 acorn nuts |

RADIO KNOB SET SCREWS

| | |
|---------|---------------------|
| A51J126 | Assorted set screws |
| A51J127 | 6-32x3/4" |
| A51J128 | 8-32x3/4" |
| A51J129 | 8-32x1" |

| Cat. No. | Description |
|----------|---------------------|
| A51J151 | 80 assorted washers |
| A51J152 | 80 No. 4 washers |
| A51J153 | 80 No. 6 washers |
| A51J154 | 80 No. 8 washers |

LOCK WASHERS

| | |
|---------|-----------------------|
| A51J155 | Assorted lock washers |
| A51J156 | 50 No. 4 lock washers |
| A51J157 | 50 No. 6 lock washers |
| A51J158 | 50 No. 8 lock washers |

FLAT FIBER WASHERS

| | |
|---------|---------------------|
| A51J159 | Assorted (35) |
| A51J160 | 30 No. 6 washers |
| A51J161 | 30 No. 8 washers |
| A51J162 | 24 No. 1/4" washers |
| A51J163 | 20 No. 3/8" washers |

MISC. ASSORTED HARDWARE

| | |
|---------|--------------------------|
| A51J164 | Snap button hole plugs |
| A51J165 | Trimounts |
| A51J166 | Soldering lugs |
| A51J167 | Cable clamps |
| A51J168 | Fabnestock clamps |
| A51J169 | Dial pulleys |
| A51J170 | Dial drive springs |
| A51J171 | Rivets |
| A51J172 | Rubber grommets |
| A51J173 | Screw type rubber feet |
| A51J174 | 3/8" rubber tack bumpers |

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The post office charges a fraction of a pound as a full pound. For example, if the total weight is 5 lbs. and 1 oz. to Zone 4, postage would be for 6 lbs. 1.70.

| WEIGHT IN POUNDS | 1st & 2nd Zone | | 3rd Zone | 4th Zone | 5th Zone | 6th Zone | 7th Zone | 8th Zone |
|--------------------|----------------|---------------|----------------|----------------|-----------------|------------------|------------------|----------|
| | local | up to 150 mi. | 150 to 300 mi. | 300 to 600 mi. | 600 to 1000 mi. | 1000 to 1400 mi. | 1400 to 1800 mi. | 1800 mi. |
| 2 | .24 | .33 | .35 | .39 | .45 | .51 | .58 | .64 |
| 3 | .28 | .38 | .41 | .47 | .55 | .64 | .74 | .83 |
| 4 | .28 | .46 | .47 | .55 | .65 | .77 | .95 | 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 | .56 | .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 |
| For Each Extra lb. | Add 2c | Add 4c | Add 5c | Add 7c | Add 9c | Add 12c | Add 15c | Add 18c |

HOW TO ESTIMATE EXPRESS CHARGES

| Weight in Pounds | Mileage | | | | | | | |
|-------------------|---------|------|------|------|-------|-------|-------|-------|
| | 50 | 150 | 300 | 500 | 750 | 1000 | 1500 | 2250 |
| 5 | 2.26 | 2.31 | 2.40 | 2.48 | 2.56 | 2.64 | 2.80 | 3.02 |
| 10 | 2.37 | 2.48 | 2.64 | 2.83 | 2.98 | 3.14 | 3.44 | 3.90 |
| 15 | 2.47 | 2.64 | 2.90 | 3.16 | 3.38 | 3.61 | 4.08 | 4.78 |
| 20 | 2.58 | 2.81 | 3.15 | 3.49 | 3.79 | 4.10 | 4.74 | 5.64 |
| 25 | 2.69 | 2.98 | 3.38 | 3.83 | 4.22 | 4.61 | 5.37 | 6.53 |
| 35 | 2.92 | 3.31 | 3.88 | 4.49 | 5.03 | 5.57 | 6.66 | 8.29 |
| 45 | 3.14 | 3.62 | 4.39 | 5.16 | 5.87 | 6.56 | 7.96 | 10.05 |
| 55 | 3.34 | 3.95 | 4.87 | 5.84 | 6.69 | 7.54 | 9.24 | 11.80 |
| 70 | 3.68 | 4.46 | 5.62 | 6.85 | 7.93 | 9.01 | 11.19 | 14.43 |
| 80 | 3.90 | 4.79 | 6.13 | 7.52 | 8.74 | 9.99 | 12.47 | 16.18 |
| For each 100 lbs. | 4.33 | 5.44 | 7.13 | 8.85 | 10.40 | 11.95 | 15.04 | 19.69 |

AIR PARCEL POST RATES

| 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 48c | Add 50c | Add 56c | Add 64c | Add 72c | Add 80c | |

HOW TO ESTIMATE INSURANCE CHARGES

| | | |
|------------------------|--------------------------|-----------------------|
| Up to \$25.00—10c | \$50.01 to \$100.00—20c | \$200.01 and over—30c |
| \$25.01 to \$50.00—15c | \$100.01 to \$200.00—25c | |

PARCEL POST C.O.D. FEES*

| | | |
|------------------------|--------------------------|-----------------------------|
| \$ 0.05 to \$ 5.00—30c | \$ 50.01 to \$100.00—80c | From \$ 0.01 to \$ 5.00—15c |
| 5.01 to 10.00—40c | 100.01 to 150.00—90c | From 5.01 to 10.00—20c |
| 10.01 to 25.00—60c | 150.01 to 200.00—\$1 | From 10.01 to 100.00—30c |
| 25.01 to 50.00—70c | *In addition to Postage. | |

MONEY ORDER FEES

| |
|-----------------------------|
| From \$ 0.01 to \$ 5.00—15c |
| From 5.01 to 10.00—20c |
| From 10.01 to 100.00—30c |

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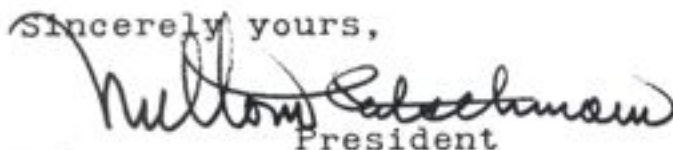
Our newest issue, produced as always by our own advertising department, has been edited with YOU in mind. It's handier in size, easier to read, packed with best sellers. We have omitted listings of items primarily designed for industrial applications. This type of material is presented in our "Industrial and Government" catalog 97 which we'll be happy to send you free if you request it on your company letterhead.

It makes sense in this day of crowded highways and confusing advertising claims to order by mail from a reputable, rated concern with technical experts, money back guarantees and a plant that's automated around the concept of "one day" service.

When I take a "Cook's Tour" around our Boston headquarters with visitors, I am constantly amazed at its orderliness and size. Bigger than most big department stores, it encompasses over 120,000 square feet. We carry over 30,000 items in stock so that you are assured of getting the item you want even if it is not listed in our catalog. In addition to EVERY good equipment and parts line, we feature exclusive lines like REALISTIC as well as bargains made possible through our great buying power.

Please accept this invitation to write, wire or phone us today with an order that will put our staff and facilities to work for you. I will appreciate hearing from you personally if our service is not 100% as advertised or better.

Sincerely yours,


Milton S. Robinson
President

www.RadioShackCatalogs.com

NO NEED

ENJOY ANYTHING IN THIS CATALOG NOW

All Radio Shack catalog customers are offered the convenience of our Easy Budget Plan. Developed to bring you utmost ease in shopping, this plan enables you to stretch payments out to 18 or 24 months. No minimum purchase is required. Enjoy the added purchasing power that our Easy Budget Plan brings you — right now!

THROUGH RADIO SHACK'S NEW EASY BUDGET PLAN

It's so convenient to purchase any item in our catalog with Radio Shack's Easy Budget Plan! There's never a need to bypass items you want . . . or to confine your purchases if your particular monthly income seems short. This Easy Budget Plan immediately places at your fingertips the whole fabulous world of Radio Shack. Whether you're interested in a magnificent high fidelity system or a stack of exciting records . . . whether you're shopping for your own everyday needs or for special gifts — you can make your purchases at the exact moment you most desire them . . . and ENJOY them to the fullest while you pay! Radio Shack's Easy Budget Plan makes your catalog shopping even easier than ever before — no minimum orders, no "red tape" restrictions, no money down on "add on" orders — and, best of all, Radio Shack credit terms are at lowest national average! See page 3 of this catalog for Easy Budget Terms tailored to fit your personal and specific needs!



TO WAIT!

1 **NO MINIMUM ORDER** — Whatever you buy . . . however low the price . . . you may enjoy the convenience of Radio Shack's Easy Budget Plan . . . extend your payments from 18 to 24 full months whichever your preference.

2 **ANYTHING IN THIS CATALOG** — becomes instantly available to you with Radio Shack's Easy Budget Plan. Every item — even records and tapes — may be purchased by budget.

3 **NO MONEY DOWN ON ADD-ONS** — Your new order will be added to your account automatically with no need for additional down payment.

4 **TERMS AT LOWEST NATIONAL AVERAGE** — Radio Shack is proud to back up its low, low prices with terms to match. Take advantage of our Easy Budget Plan — it's hard to beat!



NO NEED TO WAIT...



ENJOY ANYTHING IN THIS CATALOG NOW!

REALISTIC SAF-24 STEREO AMPLIFIER

24 Watts . . . Every Wanted Control!
A90LX053 — Net \$54.95 — Back Cover
only \$5 down, \$5 monthly!



REALISTIC ELECTROSTAT-4a SPEAKER SYSTEM

Full Range . . . in Genuine Teakwood Cabinetry
A90LX700 — Net \$89.95 — Page 44
only \$5 down, \$5 monthly!



4-SPEED AUTOMATIC STEREO PHONOGRAPH

With Speakers that Separate to 12 Feet!
A15CX141 — Net \$54.95 — Page 8
only \$5 down, \$5 monthly!



"STEREO-PRO" VIKING TAPE RECORDER

With Dual Recording and Playback Preamps
A34CX539 — Net \$344.50 — Page 75
only \$10 down, \$16 monthly!



DIRECT DRIVE ELECTRIC POWER PLANT

2000 Watt — 4-H.P. — 115 VAC
A96LX920 — Net \$199.95 — Page 118
only \$5 down, \$9.50 monthly!



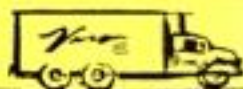
NEWEST STANLEY SABRE SAW

Save \$14! Compares at \$46.95
A49JX162 — Net \$32.87 — Page 115
only \$2 down, \$5 monthly!



2-WAY!

TALK "HOME TO AUTO"
TALK "HOME TO BOAT"
TALK "HOME TO JOB"



Includes
PUSH-TO-TALK
Dynamic
Mike



New! REALISTIC TRC-27
**CITIZENS' BAND
TRANSCEIVER**

Nothing to Compare Under \$180!

Here's exciting, reliable 2-way communication — at a price that's just plain hard to believe! And any U.S. citizen, 18 years or older, can use this precision-built transceiver — for home, boat, plane, office, business, farm, club or sports activities. Read the specs, check the comparison table. You'll know why this REALISTIC transceiver has no equal in performance or price!

\$89⁹⁵

Order No. A94LX595
only \$5 monthly

SPECIFICATIONS: 117 VAC or 12 VDC, transistorized DC supply. **RECEIVER:** INPUT, tuned RF stage, sig/noise ratio 10 db at 1/2 μv. **OSCILLATOR:** crystal controlled to eliminate drift with .005% tolerance, 22 possible channels. **AUDIO OUTPUT:** 4 1/2" PM speaker, 3 W. audio with adjustable squelch circuit, automatic noise limiter. **TRANSMITTER:** **OSCILLATOR,** 22 possible channels, crystal controlled at .005% tolerance within FCC requirements. **AUDIO:** dynamic mike, high level plate modulation. **SWITCHING:** "All Electronic" no-relays. **FINAL:** up to 5 W. input, within FCC specs. **TRANSMITTER OUTPUT:** Pi-network indicator to match any 50-75 ohm antenna load. **HARMONIC SUPPRESSION:** reduced to min. with tuned buffer stage and Pi-network. **TUBES:** 10-tubes with 5 dual stages. **EXTRAS:** crystals for freq. of 27.085mc, 2 built-in power supplies with cables for 117 VAC and 12 VDC (positive or negative ground), swivel mounting bracket, complete instructions. **SIZE:** 5" H x 13" W x 7" D. Attractive light grey enamel finish. Ship. wt. 12 1/4 lbs.

**NO EXTRAS
TO BUY!**

**BUILT-IN
DUO-POWER:**

12 Volt DC
for autos/boats

117 Volt AC
for homes/offices

**MEETS
ALL FCC
RULES!**

**AS EASY
TO USE
AS YOUR
TELEPHONE!**

**10
TUBES
PERFORM
LIKE
15!**

**EXTRA
CRYSTALS
\$2.95 ea.**

**SPECIFY CHANNELS
(2 Needed for Each)
NO. A44D776**

**TRANSMIT!
RECEIVE!**

- SIMPLE
- POWERFUL
- RUGGED
- PORTABLE

**No FCC Exams!
No Training
Necessary!**

**NO OTHER
MAKE
COMES
NEAR
IT!**

| BRANDS | 10 Tubes 15 Tube Performance | Dy- namic Mike | Superhet Receiver | Push to Talk | Transistor Power Supply | AC DC | Electronic Switching No Relays | Pos Neg Gnd |
|----------------------|------------------------------------|----------------------|----------------------|--------------------|-------------------------------|----------|--------------------------------------|-------------------|
| REALISTIC TRC-27 | YES | YES | YES | YES | YES | YES | YES | YES |
| Mail Order Brand "A" | NO | NO | YES | NO | NO | NO | NO | NO |
| Mail Order Brand "B" | NO | NO | YES | NO | NO | NO | NO | NO |
| National Brand "A" | NO | NO | YES | YES | NO | YES | NO | NO |
| National Brand "B" | NO | NO | YES | YES | NO | NO | NO | NO |
| National Brand "C" | NO | NO | YES | NO | NO | NO | NO | NO |

NOW!

**RADIO SHACK DRIVES
DOWN THE PRICE OF
HIGH QUALITY STEREO**

**EVERY WANTED CONTROL!
24 WATTS OF POWER!**



NEW REALISTIC SAF-24 STEREO AMPLIFIER!

Radio Shack creates the hottest value in the stereo amplifier field . . . a dependable golden beauty that will fill your home with true hi-fi music . . . will perfectly balance both tone and volume to your utmost listening pleasure . . . and is yours at half the price of instruments giving comparable performance. Only because it's Radio Shack's alone . . . designed without useless, costly frills . . . and sold direct in tremendous quantities is the price so low!

\$ 54⁹⁵

\$5.00 a
month

No. 90LX053 Ship. wt. 17 lbs.

Complete STEREO System!

\$139⁹⁵

No. 505X050
Ship. wt. 56 lbs.

- Realistic SAF-24 Amplifier
- Garrard 210 Changer, P. 64
- SHURE M7D Cartridge, P. 70
- 2 SOLO II Speaker Systems, P. 45
- All connecting cables free!

See page 15
for other SAF-
24 Systems



SPECIFICATIONS — POWER OUTPUT: 24 watts (48 watts peak), 12 watts (24 watts peak) per channel; **RESPONSE:** ± 1 db 20-20,000 cps; **DISTORTION:** Total R.M.S. distortion 400 cps 1.8% @ 12 watts; **HUM:** -52 db phono, -72 db tuner; **SENSITIVITY:** .85 volts tuner, .004 magnetic cartridge; **TONE CONTROLS:** ± 7.5 db bass (50 cps), ± 7.5 db treble (10,000 cps); **FEEDBACK:** 18 db; **EQUALIZATION:** ± 1 db RIAA; **TUBES:** 2-12AX7, 4-6BM8, 1-6CA4; **OUTPUTS:** For 4, 8 or 16 ohm speakers, auxiliary AC power; **CONTROLS:** Separate bass and treble controls, separate volume control to balance each channel with locking device for simultaneous operation, on-off switch, monaural stereo switch, phono/tuner input selection switch, screw-adjusted precision hum control; **EIGHT INPUTS:** Stereo magnetic phono, stereo high level (crystal or ceramic) phono or microphone, stereo tuner, stereo tape recorder; Golden matching **COVER:** no extra charge.

Radio Shack
America's Electronic Shopping Center

730 Commonwealth Ave., Boston 17, Mass.

**BULK RATE
U. S. POSTAGE
PAID
PERMIT NO. 48
ASBURY PARK, N.J.**