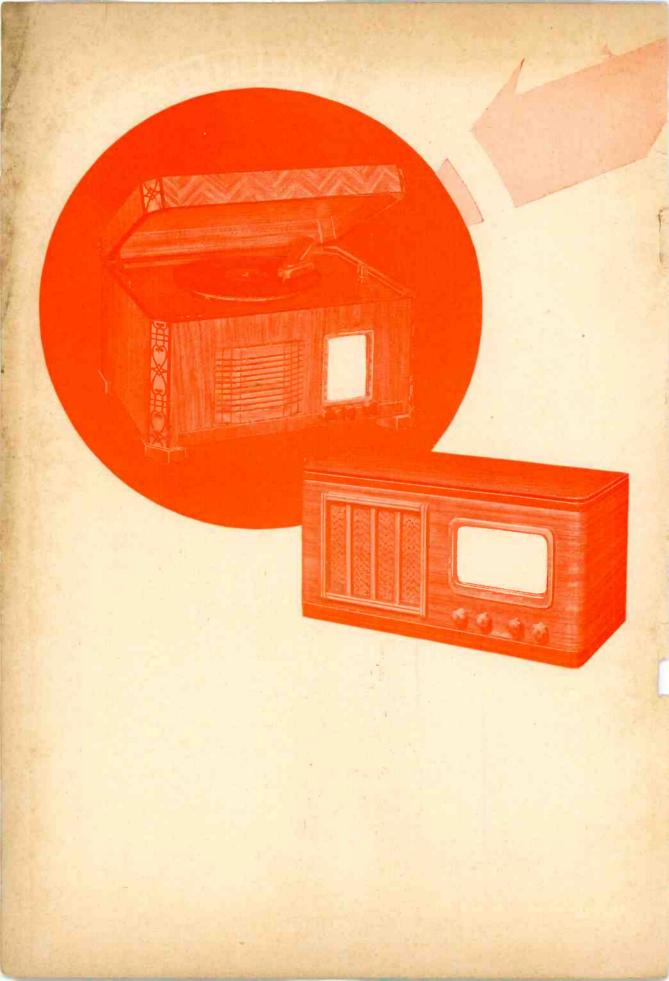


NEW YORK . 100 SIXTH AVENUE

BOSTON . 110 FEDERAL STREET

BRONX • 542 E. FORDHAM ROAD

NEWARK . 24 CENTRAL AVE.





Lafayette 7 TUBE 2 BAND COMBINATION

Relax in the comfort of your favorite easy chair—with Lofayettes new chairside model at your side. Housed in a beautiful cabinet designed in the modern fashion, this versatile entertainer provides two-band radio reception plus Automatic record playing. The radio features a tuned R.F. STAGE that results in fine sensitivity and reduced noise level. Tubes used include a 65K7 r.f. amp., 65A7 osc.-mod., 65K7 i.f. amp., 65Q7 det.-first audio, 65Q7 A.V.C., 6V6GT power tube and 80 rectifier. Power output is 3½ watts, OVERSEAS RECEPTION is obtained on the short-wave band from 4.8 to 18.3 mc (16.4 to 62.5 meters). Domestic broadcast stations are received on the 535 to 1650 kc range. "ANTENNAIRE" built-in loop eliminates need for outside wires for broadcast reception; for short-wave pickup use external aerial (terminals on chassis). 10" SPEAKER faithfully reproduces all tones with good fidelity. TONE CONTROL permits full adjustment of response from brilliant treble to deep bass. AUTOMATIC CHANGER plays twelve 10" or ten 12" records in sequence, without interruption. Any record can be rejected at will. CRYSTAL PICKUP affords wide range response. sequence, without interruption. Any PICKUP affords wide range response.

MODERN CABINETS: available built of comb-grained oak, American walnut or mahogany veneers (5-ply). Top lids have simulated leather covering blended to color of wood, with edges tooled (will not loosen). Size: 2414' high, 19" wide, 311/2" deep. For 110/120 volts, 60 cycles A.C. Shpg. wt. 147 lbs.

MODEL JS-269: Natural Amber Oak
MODEL JS-270: American Walnut

MODEL JS-271: Limed Oak
MODEL JS-272: Mahogany

Any Model Above.
YOUR COST, with Tubes. \$139.50 R.F. STAGE in the powerful superhet circuit means extra sensitivity and reduced noise level. Preferred tubes used: 65K7 untuned r.f. amp.; 65A7 osc.-modulator; 65K7 i.f. amp.; 65Q7 det.-first audio; 25L6 "BEAM" power tube; 25Z6 rectifier.

THREE BANDS permit reception of domestic broadcast stations, overseas short-wave stations, amateur and aviation signals and many other interesting services. Bands are: 540 to 1620 kc; 11.5 to 16 mc (18.7-26.1 meters); 5.25 to 10.25 mc (29.2-57 meters).

TONE CONTROL, continuously variable, permits adjustment of high frequency range.

AUTOMATIC CHANGER plays twelve 10" or ten 12" records in sequence. Any record can be re-jected at will or records can be played manually if desired. CRYSTAL pickup affords wide range

wALNUT TABLE CABINET is attractively designed and has hand-rubbed finish. Plays 12" records with lid closed. Size: 18" wide, 14", high, 16" deep. MODEL JS-242: Complete with tubes. For 110/120 volts, 60 cycles a.c. \$59.95

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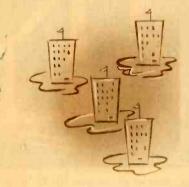


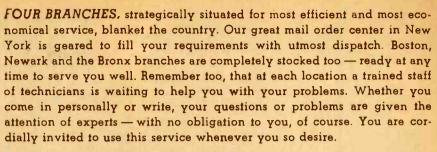


For over twenty-one years we have been serving the radio trade, building our business on the solid foundation of Service — Quality — Fair Dealing. Through these years, during periods of prosperity and during times of stress, thousands upon thousands of satisfied customers have come to depend on us for their every radio requirement — and we've never let them down!

Today, we face a crisis in our lives — yours and ours. During the present National Emergency it is vital that the field of radio communications be maintained — the dissemination of news and other timely information is of primary importance to all. Already, materials ordinarily used in the manufacture of new radios have been diverted to Defense channels, thus, it's mandatory that receivers now in American homes must be kept in operating condition. That's why we say, Mr. Radio Serviceman, "Let's Work Together!" It's your job to keep 'em playing — and it's our job to see that you get what you need, when you need it. To this end we offer the sincere cooperation of the largest radio supply house in the world.

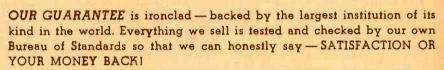
Lafayette Radio



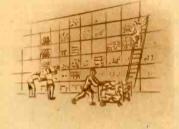


COMPLETE STOCKS are always maintained. Makes no difference whether you want a penny resistor or a hundred dollar test instrument — they're waiting for you. All the nationally famous lines of tubes, test instruments, transformers, resistors, condensers, and thousands of other items are represented in the pages of this catalog — and on our stock shelves. Stocks are kept in specially designed supply departments to insure delivery of fresh, new merchandise, in perfect condition.

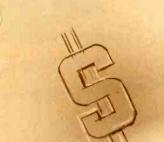
It should be remembered, however, that during the present emergency, some types of equipment like test instruments, special tubes and merchandise requiring the use of essential metals are subject to delays in delivery. We will make every effort to expedite your orders — to deliver the goods without undue loss of time. Where priorities are obtainable, it will speed handling of your order if you send them in.



Under present conditions, it may become necessary for us to make substitutions in some cases. Whenever this is done, we guarantee to substitute merchandise equal in quality or superior to that ordered — all substitutions will be subject to your approval.



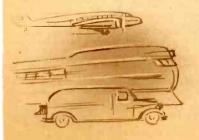
LET'S WORK TOGETHER



LOWEST PRICES: Servicemen and dealers the world over know we will not knowingly be undersold. Our tremendous purchasing power—our steadfast determination to save you money—brings you everything in radio at rock-bottom prices. This, coupled with the economy and convenience of "one place" buying, is your assurance that you will effect the greatest savings when you order from Radio Wire Television, Inc.

FASTEST SERVICE: Realizing the importance of Service to the radio serviceman, we maintain top notch crews of order fillers, packers and shippers. Each order is speedily and efficiently routed—complete knowledge of train, freight and air schedules is utilized to get you what you order—when you need it! Customers won't wait, and you needn't wait either when you order from Radio Wire Television Inc.

For over twenty-one years these principles have been responsible for the steady growth of this organization — have made us the largest radio supply house in the world. Now, as always, we are ready to provide Service, Economy, Dependability — that's why we say "Let's Work Together!"



Radio Wire Television Inc.



Lafayette 7 TUBE 2-BAND AC-DC SUPERHET

Combining smart styling with versatile performance and a new ease of operation, this superb Lafayette joins our 1942 line-up of extravalue radios. Capable of providing truly superior performance on two tuning bonds it is, nevertheless, priced to help you SAVE. Check these fine features and make comparisons:

PUSH-BUTTON TUNING: four buttons on the front panel permit instant selection of any one of four fovorite stations. Buttons are easy to set (from front of set) and can be reset at will. Manual tuning is, of course, also provided for. "ANTENNAIRE", built-in loop, functions on the broadcast band—no outside wires needed.

For best short-wave reception, an external aerial must be used; terminals on the chassis. restal must be used; terminals on the chassis.

"BEAM POWER" OUTPUT in the superhet circuit for added volume with minimum distortion. Preferred type tubes used include: 65A7 converter; 65A7 i.f. amp.; 65Q7 detector and a.v.c.; 65Q7 first audio; two 25Z6GT in pushpull "beam power" stage; 25Z6GT rectifier. Inverse feedback is incorporated for noise reduction and the control of the duction and improved tone quality.

GET EUROPE DIRECT on the special overseas spread band from 8.9 to 12.1 mc (25 to 31 meters). It's easy to separate stations on this crowded band because of the s-p-r-e-a-d tun-

Domestic stations ing. are received on the

ing. Domestic stations are received on the broadcost range from 540 to 1830 kc.
TONE CONTROL, three position switch, permits adjustment of the high frequency register, Matched dynamic speaker affords clear, naturally



Lafayette 6 TUBE 2-BAND AC-DC SUPER

Modern design makes model D-294 well suited for the small apartment, or for use as a fine auxiliary receiver. The polished walnut case goes well with most room settings—and the quality of entertainment afforded will exceed your expectations. Try one in your own home at our risk—Lafayette's famous 30-day Home Trial offer is your guarantee of satisfaction. Outstanding features include:

INVERSE FEEDBACK in the powerful superhet circuit to insure minimum noise and finer tone quality. Tubes used: 12SA7 converter; 12SK7 i.f. amp.; 12SQ7 detector and a.v.c.; 12JSGT first audio; 35L6GT "BEAM" output and 35ZSGT rectifier. Power output over 3 watts. OVERSEAS RECEPTION: in addition to bringing in all the domestic broadcast programs on the 540 to 1630 kc range, you can tune the popular European short-wave stations on the 8.9 to 12.1 mc (25 to 31 meters) band. The short-wave band is spread over the entire dial width to insure easy separation of the close s.w. stations.

easy separation of the close s.m. includes in loop, is sufficient for broadcast reception. For best shortwave pick-up an outside aerial is required; terminals for connecting one are included.

SLIDE-RULE DIAL has each band individually calibrated, and is well illuminated. Calibrations are in kilocycles and megacycles.
Three panel knobs govern all operations: com-

bined volume control and "on-off" switch, band switch and main tuning control. Other circuit features include a powerful Automatic Volume Control circuit to minimize fading and prevent inter-station "blasting", humless filter circuit set.

circuit, etc.
ROLL FRONT CABINET is built of fine walnut veneers with a highly polished finish. Recessed dial and attractive grille work enhance the appearance. Compact size permits apartment use in any room. Dimensions are: 12/2' wide, 8/4" deep.



Lafayette 6 TUBE 3-IN-1 PORTABLE SUPERHET

Good to look at-good to listen to! Beautiful styling and expert engineering have combined to make this tri-power portable a most desir-able companion to accompany you on all your travels. The attractive leotherette covered case, available in a choice of three popular colors, is provided with a drop front that has a snap lock and key. And the receiver plays anywhere—from its self-contained batteries (NO CONNECTIONS TO MAKE), ar from any 110-voit outlet, either D.C. or A.C.

Circuit features include: R.F. stage for increased sensitivity; built-in "Antennaire" loop aerial; 3-gang tuning condenser, etc.

8-TUBE PERFORMANCE is afforded by the multi-function 6-tube superhet circuit. And the R.F. Stage gives you increased sensitivity, so that reproduction is equivalent to that of the better home radios. Tubes used: 2—INSGT's, I—IA7GT, I—IHSGT, I—3GSGT and I—3525GT rectifier. The "Beam Power" output stage (3GSGT) insures ample, distortionless reproduction. Tuning range includes all domestic programs plus state police calls; range is from 540-1650 kc (555-182 meters).

LOW BATTERY DRAIN: two 45 volt "B" and one 1½ volt "A" batteries are used. The use of low drain tubes gives "extra life" to the batteries (last 200-250 hours).

Other features inuclude: powerful Automatic Volume Control; easy to read dial; 6 to 1 reduction drive tuning ratio; automatic power shift cuts off batteries when electric current is used.

LOCK FRONT CASE is covered with attractive brown grained fabric. Front cover is "disap-pearing" type, provided with a sturdy lock and key to prevent unauthorized use. Strong carry-ing handle. Overall dimensions are: 12¾" wide, 9¼" high, 6" deep.

MODEL JS-256: Lafayette 6-Tube 3-Way Portable complète with tubes and batteries. Ready \$28.95

to operate. Shpg. wt. 19 lbs. YOUR COST....



Lafayette 7 TUBE 3 BAND 3-IN-1 PORTABLE

Amazingly versatile, this deluxe Lafayette port-Amazingly versatile, this delive Lafayette portable will bring you reception equal in quality and volume to that of the better type home radios. It features THREE tuning bands in place of the usual one—SEVEN multi-function tubes in place of the usual five or six. It operates from self-contained batteries, or from any 110/120 volt line (d.c. or 60 cycle a.c.).

R.F. STAGE, on all bands, insures extra sensitivity and reduced noise ratio. A precision 3-gang condenser is employed. Tubes used: INSGT i.f. amp.; IRSGT converter; INSGT i.f. amp.; IRSGT converter; INSGT i.f. amp.; INSGT i.g. udio; 3QSGT battery power amp.; 50LEGT "Beam" power amp. for a.c.-d.c. 110 volt operation; 3QSGT rectifier. All controls on front panel.

"ANTENNAIRE" loop aerials, built-in, operate on all bands. No wires to connect. Terminals for external aerial incorporated, for use in poor "pickup" localities or for distant reception.

THREE BANDS: In addition to bringing in all the domestic programs on the 540 to 1630 kc band, you can tune direct European stations, amateurs, and many other signals on the two short wave bands. 3 to 9 mc (33.3 to 100 meters) and 9 to 18 mc (16.7 to 33.3 meters).

HEADPHONE JACK: whenever it is desired to listen to the set without disturbing others around you, merely plug a pair of earphones into the headphone jack (automatically cuts off the speaker). See page 95 for headphones. Other circuit features include: "current saver"

Other circuit features include: "current saver" circuit that conserves battery power when set operates on commercial line; high gain iron core i.f. transformers; separate power amplifiers for battery and house-current operation.

LOCK FRONT CASE is covered with durable and washable brown "Pig-Tex" fabric. The "disappearing type" front cover is provided with a sturdy lock and key to prevent unauthorized use and to protect the dial and controls from accidental damage. Overall size: 14" wide, 10½" high, 8" deep.

MODEL C-232: Lafayette 7-Tube 3-Band Deluxe Portable complete with tubes and batteries.

Shpg. wt. 21 lbs.
YOUR COST.....



TUBE 2 BAND A.C. WITH Automatic CHANGER Cafayette

In tune with the times, Lafayette presents these beautiful modern consoles that feature "streamlined styling". Built by master furniture craftsmen, they will strongly appeal to lovers of fine furnishings. All non-essentials have been eliminated—the only embellishment of any kind being the neat door pulls. And the powerful 2-band superheterodyne and excellent domestic record changer provide a quality of radio and record entertainment that will thrill you. Every up-to-date circuit feature has been incorporated for your enjoyment and convenience—push-button tuning—overseas reception—long uninterrupted record programs, and many others. Try one in your home today—Lafayette's famous 30-Day Home Trial Offer is your guarantee of complete satisfaction.

EXTRA SENSITIVITY and reduced noise level is achieved by means of

Day Home Irial Offer is your guarantee of complete satisfaction. EXTRA SENSITIVITY and reduced noise level is achieved by means of a tuned R.F. AMPLIFIER that operates on both bands. This feature necessitates the use of a three-gang tuning condenser, found only on the better radio receivers. Preferred type tubes used in the R.C.A. and Hazeltine licensed circuit include: 6SK7 1.f. amplifier; 6J5GT osc.; 6SJ7 first det.; 6SK7 i.f. amp; 6SQ7 second det.; 6SQ7 audio amp.; 6SQ7 bolancing exciter; two 6K6GT's in push-pull power stage; 6U5 tuning "eye" tube; 5Y3G rectifier.

AUTOMATIC BUTTON TUNING. Any one of your six favorite stations can be easily and quickly tuned merely by depressing one of the six buttons on the front panel. Buttons are easy to set, and can be reset as often as desired

"MAGIC ANTENNAIRE". A special high "Q" toop for broadcast reception and a built-in counterpoise for short-wave pickup eliminate the need for any external wires. If desired, however, suitable antennas may be connected to the terminals provided.

YISUAL TUNING is accomplished by means of the cathode-ray tuning "eye" tube. You merely tune till the dark sector in the tube is narrowest and you obtain peak efficiency.

OVERSEAS RECEPTION. In addition to bringing in all the domestic broadcast and high fidelity stations on the 535 to 1600 kc range, you can tune the important international short wave channels on the 5.35 to 18.3 mc bond (16.4 to 56 meters). This range includes popular European stations, amateur calls, aviation and experimental signals and many other interesting services.

12" AUDITORIUM SPEAKER furnishes clear, realistic tonal reproduction at all volume levels. It is housed in an acoustically treated chamber in the console.

TONE CONTROL permits adjustment of the high frequency response to suit the taste of the operator. You can use the full range, including the brilliant treble notes, or you can emphasize the bass by turning the knob clockwise.

AUTOMATIC RECORD CHANGER is easy to operate and is built to give long trouble free service. You can stack up to twelve 10" or ten 12" records on the spindle at one time. They play in sequence, without interruption, and the last record repeats until the machine is turned off. Any record may be rejected at will, or records can be played manually if desired. The assembly incorporates a fine feotherweight CRYSTAL PICKUP that provides wide-range response. Your fine record library is handled gently and reproduced brilliantly with this equipment.

CHOICE OF CABINETRY. Each of the two modern upright consoles pictured above is available in several different finishes to match the most popular types of furnishings. All are built of selected 5-ply veneers over a strong base and finished to a high lustre.

NOTE: Any of the consoles listed below may be purchased separately, without any radio or phono mechanisms (see page 8). If desired, any Lafayette radio listed in this catalog may be obtained in one of these consoles; prices will be auoted upon request.



ALL-WOOD CONSOLES (at left)

Shown at the left above is the delightful all-wood console in Modern design, Built of genuine combigatined oak or American Walnut Veneers. Doors are matched in a simple pattern that results in a charming overall appearance. Overall dimensions: 39½" high, 24½" wide, 18½" deep, Supplied complete with tubes. For operation on 110/120 volts, 50/60 cycles a.c. Shop, wt. 182 lbs.

MODEL 8-259: With Limed Oak Finish
MODEL 8-259: With Natural Amber Oak Finish
MODEL 8-259: American Walnut
Any Model Above,
YOUR COST COMPLETE.

Any Model Above,

UPHOLSTERED FRONT CONSOLES (right)

Shown at right above are the latest type upholstered front consoles. These are identical with the units listed at the left, but have the doors fronted with simulated leather blended to the color of the wood. The upholstery is edged with decorative nail heads. Cabinet top is provided with sturdy stay hinges. Complete with tubes, for 110/120 voit, 50/60 cycle a.c. operation. Shop. wt. 182 lbs.

MODIL 8-269: With Limed Ook Finish

MODIL 8-261: With Natural Amber Ook Finish

MODIL 8-262: American Walnut

Any Model Above.

\$179.50 Any Model Above





In all, three types of reception are provided by this superb assembly. First, thrilling Amplitude Modulated (AM) reception on all domestic broadcast stations and of the popular overseas short-wave programs; econd, brilliant Frequency Modulation (FM) reception (built under the original Armstrong Wide-Swing FM patents); third, gentle-action record reproduction on the excellent domestic automatic record changer. Features that account for the superiority of the "Concerto" include: include:

include:

SEPARATE TUNER AND AMPLIFIER. All R.F. and F.M. circuits are incorporated on one chassis, with audio amplifier on a separate chassis. This permits perfect shielding of circuits and results in flawless performance. The FM tuner employs 7H7 antenna coupling tube; 7H7 tuned R.F. amp.; 6K8 converter; 2-7H7 i.f. amps.; 6SH7 noise limiter; 6H6 discriminator; VR-150 voltage regulator. The AM tuner uses 6SK7 tuned R.F. amp.; 6K8 converter; 6SK7 i.f. amp.; 6H6 det.-A.V.C.-audio. The separate audio amplifier uses 6JS first audio; 6C8 bass and tréble equalizer; 6F8 phase inverter; 2-6V6 push-pull power amplifiers; 6U5 tuning "eye" and a 5U4 rectifier. Power output fully 14 watts.

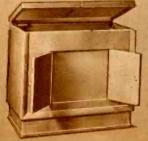
BASS AND TREBLE EQUALIZERS, individual controls, permit full control of tonal range. You can literally add to the bass register or to the treble range at will.

INDEPENDENT CIRCUITS: AM and FM circuits (r.f. and i.f.) are independent of each other for maximum efficiency.

THREE RANGES: standard domestic broadcast range (AM) from 550 to 1600 kc; overseas short wave range (AM) from 5.5 to 20 mc (54.5 to 15 meters); Frequency Modulation range from 42 to 50.5 mc (5.9 to 7.1 meters). DUAL SPEAKER SYSTEM: comprises a 12" "woofer" that handles all the low frequencies and a 5" "tweeter" that handles all the high frequencies. Response is essentially flat from 25 to 15,000 cycles—as near perfect as modern science can make it.

PRECISION BUILT CHANGER: The fine domestic outomatic record changer plays twelve 10" or ten 12" records in sequence, without interruption. Any record may be rejected at will; last record repeats until motor is shut off. A featherweight CRYSTAL PICKUP is employed for wide-range record reproduction.

CHOICE OF CONSOLES: Either of the two consoles shown above are available in several different finishes to match your furnishings. Other Lafayette Rodios can be supplied in these cabinets—write for prices.



IN MODERN ALL-WOOD CONSOLE



UPRIGHT CONSOLES

OPRIGHT CONSOLES

Styled by experts and built by America's foremost furniture craftsmen, the fine consoles pictured at the left will delight the lovers of things modern. Bold straight line technique has been employed to best advantage, resulting in dignified yet charming oppearance. Each is built of selected genuine comb-grained oak or American Walnut veneers (5 ply), with matched inset doors giving access to the radio panel and speaker compartment that is fronted by attractive grille cloth. The one piece solid top lifts on sturdy stay hinges to give access attractive grille cloth. The one piece solid top lifts on sturdy stay hinges to give access to the phonograph compartment. Two styles are available, each in several different finishes. Overall dimensions (either type): 391/2" high, 244/4" wide and .184/4" deep. Phono compartment is 23" wide, 16" long and 61/2" from motor board to top. Rodio panel areo is 181/2" wide by 12" high; space for radio chassis is .114/4" high, 141/4" deep and 23" wide. Provision for any speaker up to 12" in diameter.

With Upholstered Fronts

with Upholstered Fronts
Shown at far left. Simulated leather, blended to the color of the wood, is tooled on the front doors and outlined with decorative nails. Shpg. wt. 145 lbs.
MODEL L-1106: Limed Oak Finish
MODEL L-1107: Natural Amber Oak
MODEL L-1108: Walnut

4

All-Wood Models

Like above, but doors are of comb-grained oak and provided with circular pulls.

MODEL L-1110: Natural Amber Oak

MODEL L-1111: Walnut \$99.50

MODERN PAGODA

Adaptation of the traditional Chinese design to the modern streamline mode. Built of genuine comb-grained oak or American Wainut veneers (5 ply) with hand rubbed finish. Left side of top opens into the phono compartment (other side fixed). Doors open to radio panel and speaker compartment that is fronted with fine figured cloth. Available with simulated leather fronted doors having an outline of ornamental nails, or with wood doors. Overall size: 35¾" high, 42½" wide and 19" deep. Phono compartment 17" wide, 16" deep and 7½" from motor board to top. Radio panel 18½" x 11¾". Space for chassis is 19" wide, 15" deep and 12¾" high. Provision for speaker up to 12". Wt. 200 lbs. MODEL L-1100: Natural Amber Oak Finish with Upholstered Doors
MODEL L-1101: Walnut, Upholstered Doors Any Above Model, Adaptation of the traditional Chinese de-

\$129.50 Any Above Model, YOUR COST.....

ALL WOOD CONSOLES



For The Modern "Staticless" Reception

Modernize your present radio by adding this efficient Frequency Modulation Adapter—get the new staticless reception everyone is talking about. This unit can easily be connected to your standard home radio by any serviceman—or you can do it yourself if your radio has phono or television terminals.

B-TUBE CIRCUIT: The FM adopter employs 8 tubes in a well engineered superhet circuit: 65K7 RF amplifier, 65A7 mixer, two 65K7 IF amplifiers, 65J7 limiter, 6H6 discriminator, 6U5G5 tuning eye and a 6X5GT rectifier. Tuning eye permits accurate, visual, station tuning. Only two knobs govern all FM operations.

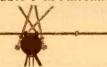
OTHER FEATURES: glass (edge illuminated) dial; 3-gang condenser; molded bakelite RF coil forms; doublet or ordinary antenna connections, etc. Entire assembly is housed in a compact cabinet built of fine walnut veneers: 12¾" wide, 7" high, 6%" deep. Complete instructions for attaching and operating this adapter are included. Shpg. wt. 12 lbs.

LAFAYETTE Hi-Efficiency FM-AM Antenna

This new antenna assures great efficiency on F.M. 40 to 60 mc. and A.M. 500 to 1700 kc. frequencies, Consists of light, rigid rustproof elements of solid non-corrosive rods, machined with precision and extending from 3 to 9 feet. Rod fiss into a patented, hermetically sealed transformer which feeds directly into the transmission line. This is brought into the set transformer, the combination becoming a completely balanced noise trap, assuring noise free signals passing on to the receiver. Supplied complete with 37½ ft, downlead. Only 4 inch mounting space required. Shpg. wt.

5 lbs. K20445-YOUR COST. \$7.06

Adjustable F-M Antenna



This Lafayette adjustable F-M antenna is designed for the F-M, Television or 5 and 10 meter range. Elements are individually adjustable for horizontal and vertical polarization. Completely assembled with 50 ft. hiefficiency transposed lead-in and 8-ft. mounting pole. Shpg. wt. 5 lbs. \$7.35

TACO Doublet F.M.—A.M. Antenna





Frequency-Modulation Receiver Components

Made by Meissner—these components are of the finest quality and are "standard" insofar as standards exist at the present time. Ideal for replacement purposes in any standard make FM receiver or adapter.



Ant., Mixer and Osc. Colls

All three are wound on molded forms I' long. Antenna coll accommodates both single and doublet antennas. RF Mixer coll covers range from 41.5 to 50.5 mc. with condenser listed below. Oscillator coll provides IF frequency of 4.3 mc. All are designed for use with tuning condenser listed below. K10327—Antenna Coil K10328—RF Mixer Coil K10329—Oscillator Coil ANY ABOVE YOUR COST EACH. 49°



FM Tuning Condenser

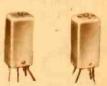
3-gang, 7 to 221/2 mmfd. Only 21/2" long, 1-5/16" high, 13/8" wide.

FM Lead-in Wire

Low-loss twisted #18 gauge 2-conductor transmission line. Surge imped, 72 ohms at 40 mc.
K16174— 21/2c 500 ft.
Per Foot....21/2c \$9.15

FM Lightning Arrestor

Neon type arrestor especially designed for antenna systems employing two-conductor leadins. Ideal for FM antennas. Wt. 1 lb. K16701-10 for \$7.50 \$1.15



IF Transformer

In 1½" square by 3" high shield.
Wound on bakelite form. Tuned to
4.3 mc. Mica trimmers. Color coded
leads.
K10330-EACH.
\$1.13 K10330-EACH.

Discriminator X'former

Same can as above. Operates at 4.3 mc. Color coded leads. Mica trimmers. Accurately wound coils on bakelite form. \$1.62

7" FM Dial

Single band linear scale. Matches

Rider's Text on FM

What makes it work and why. How it cuts down on interference. How to adjust and re-pair an FM repair on FM receiver or adaptor. Required reading for every radioman.
136 pages, 51/x8".
K19745-POSTPAID....\$1.47

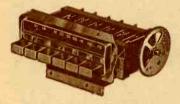


Special 1941 & 1942 Chevrolet **Control Plate**



Control Plate
Special escutcheon
plate for reinstalling
any 1936, 1937 or
1938 Delco, United
Motors or Chevrolet
Custom-Built Radio Sets into 1941 and 1942
Chevrolet cars. May also be used for reinstalling any other radio set equipped with the same
type of control. Shpg. wt. 1 lb.
\$2.27

PUSH-BUTTON CONTROL



This control can be attached to the average tuning condenser by means of a simple gear arrangement (gear for condenser not furnished). It is equipped with both a dial scale reading from 55 (550) to 150 (1500) and six plastic push-buttons. No pointer is furnished with the control for the dial but the buttons are easily set for any desired station. Operation is smooth and accurate. Especially well suited for auto sets. Shpg. wt. 3 lbs.

K9403—Your Cost Special.

Very Limited Quantity—Order Now!

Shielded Cable with Plug and Socket



A 23-inch shielded two-wire cable with three - prong shielded plug attached. All wires color coded. Has many uses for the ham, experimenter, serviceman, etc. Limited quantity.

7c K16086-Cable and Plug. . . K16085-Socket only.

12 Mfd.-25 V. ELECTROLYTIC



A popular by-pass unit made by one of the largest manufacturers. In rectangular cardboard case with mounting and soldering lugs. Conservatively rated. Size: $2\frac{1}{4}x^{3}\frac{4}{4}$ square (less lugs). Shpg. wt. 3 ozs.

K804—10 For 85c. Each. 10°

Very Limited Quantity-Order Now!



KIt of 4 Auto Cables

An assortment of four popular size cables for auto radio remote controls. A big value for servicemen who do auto radio work. Will take all standard fittings of the proper size. A rare bargain. Shpg. wt. 2 lbs.

JONES Switch





Oll Treated X'mitting Type .05 mfd. 400 V. Condenser

Excellent quality. Compact—14"x 1". Lug terminals. Clamps available separately. 12c 10 For. K936—Clamp only. Each

Portable Radio Battery Conversion Harnesses

Special battery ing increasingly hard to get. Use one of these conversion harnesses with your radio to enable you to use standard, easily available, individ-ual A and B batteries. Actually you gain in the



you gain in the long run since you can replace just the battery that has been exhausted without replacing the entire pack. The following harnesses enable you to use standard batteries in place of the battery packs listed.

K8401—To replace Burgess G4B50, General Z50B4H4, Usalite AB670, Zenith Z675, etc.

Z50B4H4, Usalite AB670, Zenith Z070, etc. K8402—To replace Burgess G6B60, Usalite AB677, Zenith Z985, etc. K8403—To replace Burgess 5DA60, 4TA60, 17GD60, 6TA60, 2GA60, Zenith Z802, etc. K8404—To replace Burgess D5A60, F5A60, K8404—To replace Burgess D5A60, F5A60, G5A42, Philco P841, P87, Rayovac AB794, etc. W8405—To replace Burgess 6FA60, 4GA41, 4GA42, Philos P60A41, Rayovac AB84, etc. W8406—To replace Burgess F4B60, Acme 360-4FS, Zenith Z659, etc.

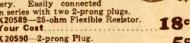
K8407—To replace Burgess 2F4A60, General 60A4F4, Philco P60A8F4, Rayovac AB694, etc. R\$408—To replace Burgess D4A60, F4A41, 2F4B60, G4B60, RayovacAB684, UsaliteAB664. K\$409—To replace Burgess 4FA60, General P60A4L, Zenith Z9B, etc. K\$410—To replace Philco P60A110, Usalite AB671, etc.

K8410—To replace Philico Poullil, Usante AB671, etc.
K8442—SPECIAL for using Eveready 467 Minimax and standard flashlight cell in place of Philico combination pack No. 89 in candid camera type sets.
Any Above Type, Your Cost Each. 73°

NOTE: Write for tabulated listing of all battery packs showing suggested substitution standard batteries and type of harness to be employed. It's FREE.

JFD 25-ohm Battery Resistor

Enables you to use two standard 4½ V. "A" batteries in place of the often hard-to-get 7½ volt battery. Easily connected in series with two 2-prong plugs. K20589—25-ohm Flexible Resistor.



K20590—2-prong Plug. Your Cost Each..... 5°

METAL CASED PAPER CONDENSER

.25 mfd. 800 Volt paper condenser in metal case measuring 1½x13%x3%" Has mounting

K740—(10 For 45c) Your Cost Special, Each.

Metal Cased Paper By-Pass Condenser



gain, this metal case paper by-pass condenser is rated at 160 V., .05 mid. Size: 1½x½". Quantities extremely limited. 2º K674-Your Cost Each 40c

Metal Tube Electrolytics

Top quality electrolytics in tubes. Color coded leads. Clamps not furnished. Shpg. wt. 8 ozs. each.

No. Cap. Wkg. Volts Each.

K939* 8-10 mfd. 475-50 35c

3½x1¾x". No. K939



Pilot Light Shield
Heavily plated. Ribbed bottom holds
shield securely on tubular bulb.
(10 for 25c)
K12641—Your Cost Each.....3°

M

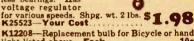
FETIME Light



A flashlight that generates its own current! Continuous press of the lever produces a constant stream of light. No batteries. Always ready to use. Handy to carry. Beautiful Tenite case. Shpg. wt. 2 lbs. ready to use. Handy to Tenite case. Shpg. wt. 2 lbs. K25499—Your Cost Each. \$1.62

Batteryless Bicycle Light



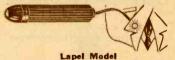


Bright Star Plastic Flashlights



These popular 2-cell flashlights are sturdily built of durable molded plastic with unbreakable lens and pre-focused lamp. Have removable switch and spare bulb holder. Size: 8½x2½". Uses PR2 bulb. Complete with batteries. Shpz. wt. 2 lbs. Available in four colors: Red, Black, Blue or Green. Specify color desired when ordering. K13994- 85° Lots of 10 (ass't)

"Blackout" Flashlights for Civilians, Soldiers, Air Raid Wardens



Junior Model (Single Cell)

Same as above but less lapel safety button and leatherette strap. With bulb and battery. Shpg. wt. 8 ozs. 13992—Your Cost. 25°



Senior Model (Two Cell)

Please refer to Page 16 for Burgess Re-placement Batteries and to Page 17 for Bright Star Replacement Batteries. Re-placement Bulbs will be found listed on Page 15.

Bargain Power Transformers!



Only A Limited Quantity Available

Just the thing for use in small radio receivers, converters, test units, etc. Fully shielded. Long color coded leads. Mount in 1%x2/%" hole or on top of chassis. Mtg. centers 2½". Designed for use with type 2W3 rectifier (half wave). Shpg. wt. 3 lbs. each.

K1403—Pri.—110 V. 60 cycles; Sec.-2½ V. for rectifier filament, 6 V. at 1½ Amp., 200 V. at 40 Ma. Size: 3x2½x2¼".

K1421—Same as above but with octal socket in top shell for rectifier tube. Overall: 3x2½x3". Your Cost Either Type, Each Special While They Last. 45c

K1404—Same mounting dimensions as above but heavier for use with 82 rectifler. Secondary 200 V. at 50 Ma. Other specifications as above. Shpg. wt. 3 lbs. Size: 3x234x2347. Your Cost, Special.....

K1474—Similar to above but also has built-in static shield. Will deliver 6.3 V. at 1½ amperes; 5 V. at 2 amperes and 250 V. at 40 mills. (condenser input) with 120 V. 50/60 cycles AC in the primary. Consumes 40 watts. 3x3x2½ Shpg. wt. 2 lbs. \$1.09 Your Cost, Special



Plastic Knobs Pearl gray knobs 1 1/4" dia. Take 1/4" shafts. 14" shaft K9646-

Each. 10 For

TUBES

Six Months Guarantee

Sensationally low prices on a good grade of radio tubes, fully licensed under RCA patents. Dependable in performance and guaranteed (except for burnouts and breakage) for six months from date of purchase.

5% Discount in lots of 25 (any assortment).

Type	List	Each	Type	List	Each
1A7GT	\$1.25	\$0.48	12SK7GT	\$1.05	50.33
1H5GT	1.05	_44	12SQ7GT	1.05	
1N5GT	1.25	.44	24A	.85	.33
1Q5GT	1.55	.51	25Z5	.95	
8Q5GT	1.55	.54	27	.65	.26
6A7	.95	.34	30	.95	.32
6A8GT	.95	.34	85Z5GT	.80	.33
6C6	.95	.32	43	1.05	.37
6D6	.95	.32	45	.75	.26
6L6G	1.90	.55	50L6GT	1.05	.40
12A8GT	.95	.36	80	.65	.23
12SA7GT	1.25	.41			
	0 .				

Modern Wood Knobs

Handsome wood knobs,

walnut color with high lustre finish. All have markings as indicated; lettering in gold. All Spring Type for 'A" Shafts.

Ht.

11/10

3/8"

5/8"

Dia. 1½8" 1"

Markings
Volume Control
Band Switch;
SW-Broad

Tuning
Volume Control;
Set On-Off
Tone Control;
Voice-Music

Band Switch; SW-BO....

SPECIAL! WET **ELECTROLYTICS** Only a Limited Quantity



Because of ever-increasing prices we can say with certainty that when these are gone these prices will never again be equalled. K810 is

inverted	type with	palnut	—others uprig	ht.
No.	Mfd.	Vlts.	Size	Each
K905	12	150	41/2x13/8"	25c
K728	24	150	4 1/2 x 1 3/4"	29c
K935	25	150	4 x13/9"	- 29c
K729	40	150	4½x13/8"	29c
K810	40	150	4½x1%"	29c
K933	18	800	4 x188"	25c
		_		_

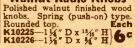


KIt of Ten Wet Electrolytic Condensers

Condensers like these are hard to get at all, let alone at a price like this! In fact this may very well be your last chance to buy condensers in a Ten fine wet electrolytics in All fresh, clean, brand-new lisennointment

quantity lot. popular sizes. All fresh, clean, brand-new stock. Avoid disappointment—order now! Shgs. wt. 3 lbs. \$1.95

Walnut Radio Knobs







Silk-Covered Litz Wire

Has lower skin resistance than any other wire. Ideal for i.f., r.f. coils, loop aerials, etc.

Your Cost

180 our Cost -1000-ft. coil \$1.20

Lacquered Hookup Wire

Rubber insulated with lacquered braid overall. Strands tinned. Easily soldered and worked. 20 ga. K16344—100-ft. coil 75c K16345—250-ft. coil \$1.85

Service Wire KIt



Contains about 200 feet total of lengths from 4" to 24"—push-back, r-c hookup, shielded, twisted, lamp cord, heavy a.c. leads, spaghetti, etc. Shpg. wt. 5 lbs.

K16299— Your Cost

R.M.A. Color Coded Carbon Resistor Kit

Kit of 100 All popular



sistors. Wt. 2 lbs. K3852—Kit of 100

Wire Bundles

K10214 K10216

K10215 K10217

K10218

K10219

.55c



Every serviceman and set builder Every serviceman and set builder will welcome this handy and money-saving wire bundle. Every size length necessary for wiring. Lengths from two inches up to one foot, all with tinned ends. All standard pushback r-c hook-up, lacquered cotton braid, etc. These handy leads save time and work.

Your Cost	bundle. 29°
K16048-2-lb.	bundle55c
K16047-3 lb.	bundle75c
K16046-5 lb.	bundle \$1.15



No. 20 Solid Wire

Inner covering of live fresh rubber and an outer covering of durable cotton braid. No. 20 solid copper wire suitable for a wide variety of purposes. Wt. 8 oz.

K16400—25-ft. coil. Your Cost K16401-50 ft. coil. Wt. 1 lb. 45c



Designed specifically for use in high fidelity receivers. Effectively covers a range from 800 to 600 kc. Double tuned. Heavily impregnated. Overall dimensions: 23% high, 13% square. Made by one of the largest coil manufacturers. Shpg. wt. 10 ozs. 10283—Your Cost. 49°

BARGAINS IN KITS

Each



We are famous for our bargain kits. Clean mer-chandise-carefully packed and priced low!

Molded Knobs (10)35 K9662 (20 Sockets sorted) -Trimmer-Padder Condens-....490

Powerful Reversible **Electric Motor**



Special.

Adaptable for use wherever a light duty motor is need-ed. Fitted with proper blades it makes a fine fan. Instantly reversible. 2200 r.p.m. Only a limited autoritir autorities. ited quantity available. Shpg. wt. 1 lb. 14702-our Cost 59c

Twin-Bayonet-Type Pilot Lite Sockets

Two excellently de

Two excellently designed molded pilot light sockets for use with sets having large dials. 19" leads with 9" connecting lead between sockets. Can be used individually if desired. (10 for \$1.05) K6412 120 Per Pair

10 For

Yellow Pointer Knob 1 1/4" bar knobs of bright yellow plastic. K9671—

4-P T-T SWITCH

Four pole three-position switch for use as band changeover

other similar purpose. Shpg. wt. 1 lb.

K1287S— Your Cost.....

LoadingCoils

Not enough space for a doublet Just insert a loading coil to make up the difference. Can also be used as a 5 or 10M choke. Enameled wire on a ceramic tube. 2 inches long overall. Solder lug terminals.

K17085—Special, Each. 10C

10 For . . .

Heavy Duty Replacement Cord



A 10-ft. heavy duty rubber replacement cord for use on amplifiers, vac-uum cleaners, etc. K13284—Special......395

Electrical Appliance Cord



An exceptionally low price for a high quality cord for all types of appliances including irons, toasters, coffee makers, etc. Rayon-cotton covered and asbestos insulated 10,000 cycles heater cord with molded plug. Made by GE. Shpg. wt. 2 lbs.

K25485-

RCA Service Engineer's Tool and Accessory Kit



A sturdy attractive case in which to carry your tools, tubes, wire and parts when out on a service call. Separate compartments for tools. K23010—

\$4.25

FREE with 200 RCA Radiotrons

RCA Service Engineer's Fountain Pen OH

Imprinted Tube Stickers



FREE with 65 RCA Radiotrons.



For quick, clean wrapping. Durable. With 5 rolls of un-imprinted tape. K23001—

\$4.00

FREE with 200 RCA Radiotrons

Package Tape



1½" wide. Imprinted (give name, address, phone). K23007—10 Rolls For \$6.50 FREE with 325 RCA Radiotrons

Illuminated Clock

Beautiful electric clock with 20" diameter dial. Indirectly lit by two 30-watt lamps. Complete with metal wall hanger. Has self-starting Sessions motor. motor. K23008—Each



\$12.00 FREE with 600 RCA Radiotrons

WRITE FOR CATALOG

A catalog showing all materials offered FREE with purchases of quantities of RCA Radiotrons will be sent on request.

Ask for K23012



	NET P	21056		NET D	PICES		NET C	
TYPE	NET PI	LAF.	TYPE	NET P	LAF.	TYPE	NET P	RICES LAF.
01A		\$0.31	2A7	\$0.62	\$0.48	6C7	\$1.35	\$1.06
0A4G	\$1.12	-	2B7	.73	.56	6C8G	.91	.71
0Z4†	.91	71	2E5	.73	.66	6D6	.56	.43
0Z4G 1A4P	.91 .91	.71 .71	2V3G	1.65	8 B. T.	6D8G	.91	.71
			2W3GT		.40	6E5	.62	.48
1A5GT/G	.62	.48	2X2 879	1.35	-	6E6 6E7	1.12 1.35	1.06
1A6 1A7G	.73 .91	.56 .71	3A8GT	1.35	1.06	6F5†	.62	.48
1A7GT	.73	.56	3B5GT		.83	6F5G	.62	.48
1B4R	.73	.56	3Q4	.91	_	6F5GT	.56	.43
1B5)			3Q5GT/G	.91	.71	6F6†	.62	.48
255	.73	.56	354	.91	.71	6F6G	.50	.38
1B7GT	.73	-	5T4† 5U4G	1.12	.88	6F7 6F8G	.91	.71
1C5GT/G	.73	.56	5V4G	.91	.71		.73	.56
1C6	.73	.56	5W4†	.62	.48	6G6G 6H4GT	.73	.56
1C7G	.73	.56	5W4GT/G	.50	.40	6H6†	.62	.79
1D5GP 1D5GT	.73 .73	.56	5X4G	.62	.48	6H6G	.62	_
1D7G	.91	.71	5Y3GT/G	.38	.30	6H6GT/G	.62	.48
1D8GT	1.12	.88	5Y4G	.41	.31	6J5†	.50	.38
1E4G		.63	5Z3	.62	.48	6J5G	.56	.43
1E5GP	.91	.74	5Z4† 6A3	.73 1.12	.56 .88	6J5GT	.50	.38
1E7G	1.35	1.06	6A4)			6J7† 6J7 G	.73 .62	.56
1F4 1F5G	.73 .73	.56 .56	LA	.91	.71	6J7GT		
			6A5G		1.12	6J8G	.62 .91	.48
1F6	.91	.71	6A6	.91	.71	6K5G	.62	.48
1F7GV 1G4GT/G	.91 .73	.71 .56	6A7	.56	.43	6K6GT/G	.56	.43
1G5G	.73	.56	6A7S 6A8†	1.35 .73	.56	6K7†	.62	.48
1G6GT/G	.91	.71	The second second		1.00	6K7G	.62	.48
1H4G	.56	.43	6A8G 6A8GT	.56	.43	6K7GT	.56	.43
1H5G	.73	-	6AB5	.56		6K8† 6K8 G	.73 .73	.56
1H5GT 1H6G	.62 .73	.48	6N5	.91	.71	6K8GT	.73	.56
1J5G	1.12	.88	6AB7 1853	. 1.12		6L5G	.62	.48
1J6G	.73	.56	The second second second second			6L6†	1.12	.88
1LA4	1.35	1.06	6AC5GT/G	.62	.48	6L6G	1.12	.88
1LA6	1.35	1.06	6AC7 1852	1.35	_	6L7†	.91	.71
1LB4	1.35	1 00	6AD6G	.91	.71	6L7G	.91	.71
1LH4	1.35	1.06	6AD7G	.91	_	6N5 6N6G	.91	.71
1LN5	1.35	1.06	6AE5GT/G	.73	.56	6N7†	1.35	1.06
1N5G 1N5GT	.91 .73	.71 .56	6AE6G	.73	.56	6N7G	.91	.71
1N6G	.73	.56	6AE7GT	.73	.56	6P5G	.47	-
1P5GT	.91	.71	6AF6G 6AG7†	.91 1.35	.71	6P5GT	.44	.33
1Q5GT/G	.91	.71	6B4G	1.12	.88	6P7G	1.35	1.06
1R5	.91	.71	6B5	1.12	.88	6Q7† 6Q7G	.73	.56
154	.91	.71	6B6G	.62	_	6Q7GT	.50	.38
155 15A6GT	.91	.71 .83	6B7	.73	.56	6R7†	.91	.71
1SB6GT		.83	6B7S	1.35	90	6R7G	.62	.48
1T4	.91	.71	6B8G	1.12	.88 .56	6R7GT	.50	.38
1T5GT	.91	.71	6C5†	.62	.48	657†	.91	.71
1V	.56	.43	6C5G	.56	-0	6\$7G	.91	.71
2A3	1.12	.88	6C5GT	.56	.43	6SA7†	.56	.43
2A4G 2A5	1.65	1.30	6C6	.56		6SA7GT/G		.48
2A6	.56	.43	† Due to pres	ent emer	ship "G	nen out of sto T/G" equivale	ck on mei	tal types



1		NET P	RICES		NET P	RICES		NET P	RICES
TY	PE	RCA	LAF.	TYPE	RCA	LAF.	TYPE	RCA	LAF.
6SC	7+	\$0.73	\$0.56	12A7	\$1.12	\$0.88	35A5(LT)	\$0.73	\$0.56
	7GT	-	.59				35L6GT/G	.56	.43
6SF		.56	.43	12A8GT	.56	.43 .71	35Z3(LT)	.73	.56
CCE	5GT	.56	.43	12B8GT 12C8†	1.12	.71	35Z4GT	.44	.33
6SF		.73	.56	12F5GT	.56	.43	35Z5GT/G	.47	.36
6SG	7+	.73	.56	12H6†	.62	.48	36	.56	.43
6SJ		.62	.48	the second second			37	.47	.36
	7GT	.62	.48	12J5GT	.56	.43	38	.62	.48
6SK	7+	.56	.43	12J7GT 12K7GT	.62 .56	.48	39)	.56	49
	7GT/G	.56	.48	12K8†	.91		44		.43
	7GT	.73	.56	12K8GT	.01	.66	41	.47	.36
650		.56	.43	5 m 10 m	F0		42	.47	.36
65 Q	7GT/G	.62	.48	12Q7GT 12SA7†	.50 .56	.38	43	.62	.48
6SR	7+	.62	.48	125A7GT/0		.56	45	.44	.33
655		.56	.43	12SC7†	.73	.56	45Z3 45Z5GT	.62	.48
6T5			1.04	12SF5	.62	.48	46	.62 .62	.48
6T7	G	.73	.56			.48	47	.62	.48
6U5	/6G5	.73	.56	12SF5GT	.62	.56	48	1.65	1.30
6U6	GT		.59	12SF7† 12SG7†	.73	.56	49	.73	.56
6U7		.56	.43	12SJ7†	.62	.48	50	1.35	1.06
6V6		1.12	.88	12SJ7GT	.62	.48	50L6GT	.62	.48
6V6	GT/G	.62	.48	MINISTER OF THE PARTY OF THE PA	.56	.43	50Y6GT	.62	
6V7		.73	.56	12SK7† 12SK7GT/		.48	50Z7G	.73	.56
6W5	G	*****	.74	12SN7GT	.73	.56	53	.91	.71
6W7	G .	.91	.71	125 Q7†	.56	.43	55	.62	.48
6X5		.91	.71	12507GT/		.48	56	.44	.33
	GT/G	.56	.43	12SR7†	.73	100	57	.50	.38
6Y5		1.35	1.06	12Z3	.56	.43	58	.50	.38
6 Y 6	G	.91	.71	14A7)			59	.91	.71
6Y7	G	.91	.71	12B7	1.12	.88	70A7GT 70L7GT	1.12	.82
SZ5		1.35	1.06	15	1.12	_	71A	.50	.38
6ZY		1.12	.88	19	.73	.56	75	.47	.36
7A4		.73	.56	24A	.50	.38	76	.50	.38
				25A6†	1.12	.88	77	.50	.38
7A5		.73	.56	25A6GT/G	.62	.48	78	.50	.38
7A6	(LM)	.73 .73	.56	25A7GT/G	.91	.71	79	.91	.71
7A8		.73	.56	25AC5GT/	G .91	.71	80	.38	.28
7B4		.73	.56	25B5	1.35	1.06	81	1.12	.88
	(LT)	.73	.56	25B6G	1.12	-	82	.73	.56
	(LM)	.73	.56	25B8GT 25C6G	1.12 1.12		83 83V	.73 1.12	.56 .88
7B7		.73	.56				84	1.12	.00
7B8	(LM)	.73	.56	25L6†	.91	40	6Z4	.62	.48
	(LT)	.73	.56	25L6GT/G	.62	1.06	85	.50	.38
7C6		.73	.56	25N6G 25Y5	1.35 1.35	1.06	89	.56	.43
7C7		.73	.56	25Z5	.56	.43	117L7GT/		
7E7		.73 .91	.71	25Z6†	.73	.56	M7GT	1.35	1.06
7F7		.91	.71	25Z6GT/G	.56	.43	117N7GT	1.35	1.06
7G7			5-100	26	.41	.31	117P7GT 117Z4GT	1.35	1.06
1232	- 1	1.12	.88	27	.38	.28	117Z6GT/G	.91	.85
7H7	′	1.12	.88	30	.56	.43	183		
7J7		1.12	.88	31	.56	.43	483	1.12	.88
7L7		=-	.88	32	.73	.56	485	1.12	.88
797		.73	.56	32L7GT	1.12	.88	874	1.50	-
7Y4		.73 1.6 5	.56 1.30	33 34	.73 .73	.56 .56	884	2.00	_
12A	5	1.35	1.06	35/51	.56	.43	885 VR75/30	2.00 1.25	
							VR105/30	1.25	
T Du	e to Dres	ent emers	ency. W	hen out of sto	ck on met	at types			

† Due to present emergency, when out of stock on metal types VR105/30 we will substitute "GT/G" equivalents.

FREE! Decalcomanias

A brilliant 3-color "RCA" decalco-mania that makes a distinctive iden-tification mark Free on request.

Ask For K23013.

Service Engineers Pencils



Standard Model (top)

Automatic "Resistor Guide" pencil -just rotate the colored bands to correspond with the unknown re-sistor, and you find its value in a jiffy. Red plastic barrel, non-metallic screwdriver in cap. \$1.75

DeLuxe Model (bottom)

Has a simulated pearl barrel. Three different colored leads (red, blue and black) available by means of shift levers. Incorporates famous "Resistor Guide". With leads.

K23009-K23009— \$2.35

Personal Billheads

Very useful. Complete with three line imprint (give name, address and phone). K23003— \$1.30

FREE with 65 RCA Radiotrons.

Personal Stamp and Pad



Stamp has 4-line imprint (give name, address and phone) and RCA monogram. K23002-With Pad. \$1.00 FREE with 50 RCA Radiotrons.



Repair Tickets

Show exactly the work done on each repair job. Imprinted (give name, address and phone number).

K23006- \$1.65 FREE with purchases of 80 RCA Radiotrons.

Not Home Cards

With 3-line imprint (give name, address and phone number) K23004-

\$1.30

For. FREE with 65 RCA Radiotrons.

Calling Cards

Imprinted with your name, ad-dress and phone number (give details).

1.25



K23005-\$1.60 500 For..... FREE with 80 RCA Radiotrons.

FREE! Tube Price Cards

An up-to-date price list for your tube stock. Complete for all new and old types. Free on Ask For K23014.

BALLAST RESISTORS and VOLTAGE CONTROLS

Line Cord Resistors



Flexible, sturdy cords for AC-DC radios, field supplies, phono oscillators, etc. Voltage drop ratings are at .3 amps. This value subtracted from your line voltage gives voltage applied to tube filaments.

No.	Ohms	Voltage Drop
K5322	135	40.5 volts
K5332	150	45.0 volts
K5331	160	48.0 volts
K5323	180	54.0 volts
K5330	200	60.0 volts
K5324	220	66.0 volts
K5325	250	75.0 volts
K5329	280	84.0 volts
K 5242	810	98.0 volts
K5326	330	99.0 volts
K5241	360	108.0 volts
K5320*	525	*78.75 volts
* This cord	used in	3-way portable
sets. Volt.	age dro	p calculated for
15 amm d	rain	

Any Above Your Cost Each



One cord fits any type set. Any normally used resistance from 22 to 330 ohms in one cord. Full instructions included.

Special AC-DC Cords With Pilot Light Tap

Like above, but 4-conductors, with pliot light tap. Tinned leads.
Stock Total Tapped at Your pilot light tap. Stock Total No. Ohms K5334 165 Tapped at Ohms 22.5 25 K5335 K5336 K5337 200

Special Line Cords For "Wireless" Players

Same in appearance as above, but has fourth wire for antenna or "radiation wire" for wireless phono-oscillators,inter-communicators,etc. oscillators, inter-communicators, etc.

K5327—350 ohms. For 6A7 and 37
or 76 tube combination.

Your Cost Each.

K5328—270 ohms. For 6A7 and

K5328—270 ohms. Fo Your Cost Each

220 Volt to 110 Volt **Line Cord Resistors**



For any set up to 7 tubes. American cord equipped with standard male plug and female receptacle; Euro-pean type resistor cord has foreign plug and standard receptacle. K5243—Standard K5244—Foreign Each

Automatic Line Volt. Control

Fit any standard 110 V. AC outlet. For

any set up to 9 tubes. Automatically compensates for line voltage variations. Protects your tubes from burnout due to high line voltage. Steel clad air cooled. K16955—Your Cost.

TRUTEST Ballast Resistors

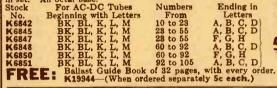
For use in all AC-DC midget sets. The 185R and K55 types are for 2-6.3 and 2-25 volt tubes; types 165R and K49 are for use with 3-6.3 and 2-25 volt tubes. Shpg. wt. 1 lb.
Any Type Listed Below,
Your Cost Each

Lots of 10 (Ass't.), No. Type K55B K80B(60-92A) L42C(69-2037) 140R8* 165R4*(X49) 165R8*(50A2) 185R*(50X3) 185R4*(180KB) 185R8*(50X3T) 3613 K 6870 K7043 K6868 L42D K7044 (5536) K6871 K6865 L49B 2UR224 K55D K6876 K6872 K6867 K7039 K7040 BM49B BM55B K49B(115.41) K49C(16040) K 6877 L49C(69-2037) C9266 (2VR215) L55B K42B K6860 LSSB. K 7041 K6874 LROB K49D K 7045 K6860 K6875 3334 K6870

115.28 K55B Indicates glass or metal type, 4-prong; others metal, octal base.

CLAROSTAT Metal Tube Resistors

Universal type for all AC-DC midgets. Tube will operate regardless of pilot light burnouts; protects condensers and resistors in set. All octal base.





AMPERITE AC-DC Ballast Tubes

By using these fine regulators, tubes are kept to within 5% of their correct voltage, even if the line varies from 85 to 145 volts. Furnished complete with starting resistor that saves pilot lights and tubes. All KL types are octal base.

* Asterisk indicates special unit.

Any Type Below, Your Cost Each.

**REPLACES ALL AC-DC BALLASTS

		No.	Type	No.	Type	No.	Type
No.	Type	K12226	250R*	No. K12245	Type KL-45J*	K12234	Type KL-75
12239	3-40	K12227	320R4*		KL-75H	K12222	L55B
12238	4P-45	K12228	E157*				
12224	165R4*	K12233	KL-25	K12229	KL-50S1	K12450	BKV51DJ°
12225	200R*	K12235	KL-25H		KL-50S2		100-77*
		K12232	KT-45	K12223	KI_5083		

	I WIETOF ITO-IO W	TELES ALLY OUDO I	
	REPLACES ALL AC	-DC BALLAST	
Type	Beginning With	Numbers	Ending With
KL-25	K, L, M or BK	10 to 36	A, B, C or D
KL-25H	K. L. M or BK	10 to 86	F. G or H
KL-45	K, L, M or BK	36 to 67	A, B, C or D
KL-50H	K. L. M or BK	36 to 67	F, G or H
KL-75	BL or BM	67 to 105	A, B, C or D
KL-75H	K, L, M or BK	67 to 105	F. G or H
KL-50S1	K or L	40 to 100	S1
KL-50S2	K or L	40 to 100	S2
KL-50S3	K or L	40 to 100	S3
KL-50E	K or L	86 to 67	E

Type 4P-45-4 Prong replaces the following types:

140R4 140L8 165R44 LX49B KX55B LX55D
--

Type 3-40—4 Prong replaces the following types: 5B 185R KX42A 140R 50

Adjustable Universal **AC-DC Ballasts**



only a limited number of these popular ballast tubes available!

K7027—Type M56HG
K7028—Type 08G
10 For.....08G \$1.08

CLAROSTAT Automatic Line Voltage Regulators

For any 110/120 volt AC receiver not equipped with a line ballast. Compensates for line voltage variations. Wt. 1 lb.



NOTE-

Due to scarcity of materials it may be necessary to substitute glass or metal type tubes for type ordered. Substitutions will be made only when unavoidable.

"Cage" Ballasts For Crosley Radios

These high quality ballasts duplicate the original units used in thousands of Crosley late model receivers. All late model receivers. All have perforated metal shells and octal bases. Shpg. wt.

For Model K12131 418 K12132 576, 676 K12133 647, 647A 44898

Any Type Above, Your Cost Each ... In Lots of 5. Each

Exact Duplicate AC-DC Ballast Tubes



Simplify your serving problems by stocking a few of each of these special exact duplicate ballast tubes. These are the hard tubes. These are the hard to get types, for which there are no substitutes. Offered at real low prices. Shpg. wt. each 1 lb.

For Phileo BKV51DJ K12642—5 for \$3.95 K12125 For Zenith 100-70 K12126 For Zenith 100-77 K12127 For Zenith 100-79 K12128 For Ferguson E157

Replacement Ballasts Only popular models listed; others supplied on order. Shpg. wt. 2 lbs.



K6805 Brunswick K6806 Clarion 51, 53 K6808 Grebe SK4-HS-5 Majestic 70 Majestic 72 Majestic 180 Majestic 90 K6816 K6818 K6819 Sonora A 80-82 S. W. 900 S. W. 950 S. W. R100 K6805 K6823 K6824 K 6825

Your Cost 5 For

95°

Amperite AC Voltage Regulator Tubes

Keeps input voltage to receiver constant. Protects condensers and resistors. For AC sets. Specify type desired. K19100—For 110 v. sets.

Tubes Use Tubes Use Each
4-5 5A5 | 11-12 11A5 | 6-7 7A5 | 13-17 20A5 | 8-10 9A5 | K19101—Socket Only...... 15c

AMPERITE Special AC Tubes

Exact units for popular sets.
Stock Amp. For Use In
Models Brunswick 14, 21, 31 Brem.-Tully S81, S82 Bruns. S14, S21 Brem.-Tully 82, 84 Majestic 90 series Majestic 70 series K12455 9-20 11-20 K12456 K12457

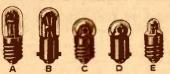
Battery Ballasts
For 2 Volt-Tube Radios

To Re-	Use	To Re-	Use
place	Ampe-	place	Ampe-
	rite		rite
1A1	5E1	10AB	5H1
1E1	5E1	6	1F1
1G1	4-1	6AA	5E1
1J1	6-1	5-1	5 E 1
1K1	5H1	LLL225	5 E 1
1N1	1N1	1A2	30
1V1	5H1	1B2	31
	-Specify		720
Your Co	st Each		13

Perfect Merchandise - Prompt Shipment - Personal Service

LOT LIGHTS and NEON BUI

Genuine EVEREADY-MAZDA Pilot Light Bulbs



Both pilot and flashlight type bulbs are listed below. 6-8 volt bulbs are for 6.3 volt receivers. Bead colors aid in identifying bulb types. Eve-ready-Mazda bulbs are standard in most makes of radios.

Tubular Bulb, Miniature Screw Base (A)

Stock No K12274	o. Type 48	Bead Color Pink	Volts 2.0	Amps.	Ea. 15c	10 For \$0.88	100 For \$8.14
K12250	41	White	2.5	.50	9c	.54	4.90
K12251	42	Green	3.2	.35	12c	.71	6.47
K12254	40	Brown	6-8	.15	9c	.54	4.90
K12252	46	Blue	6-8	.25	9c	.54	4.90
	Round	Bulb, M	Inlatu	re Scr	ew B	ase (C)	
W49972	EO		2 2	20	10c	59	5 39

Tubular Bulb, Miniature Bayonet Base (B)

K12260	43	White	2.5	.50	9c	.54	4.90
K12259	49	Pink	2.0	.06	15c	.88	8.14
K12283	45	White	3.2	.35	12c	.71	6.47
K12249	44	Blue	6-8	.25	9c	.54	4.90
K12284	47	Brown	6-8	.15	9c	.54	4.90
K12437	49A	White	2.2	.12	18c	1.03	8.10
						- 1	

Round Bulb, Miniature Bayonet Base (D)

1 51 White 6-8 .20 7c .41

5 55 White 6-8 .40 7c .41 K12261 K12285

FLASHLIGHT BULBS

G-3½ (C) is small round. G-4½ (C) is large round. TL-3 (E) is lens bulb. P-3½ (not illustrated) is pre-focussed miniature flange type bulb. TL-8 (E) is lens

		Bead			=0.1		
Stock No.	Type	Color	Volts	Amps.	Ea.	10 For	100 For
K12200	13(G-314)	Green	3.8	.80	9c	\$0.54	\$4.90
K12201	14(G-314)	Blue	2.5	.30	90	.54	4.90
K12202	605(G-416)	Brown	6.0	.50	10c	.59	5.39
K12203	222(TL-3)	White	2.2	.25	9c	.54	4.90
K12204	112(TL-3)	Pink	1.1	.22	9c	.54	4.90
K12205	233(G-31/2)	Purple	2.3	.27	90	.54	4.90
K12206	PR2(P-814)	Blue	2.4	.50	13c	.76	7.06
K12207	PR3(P-314)	Green	3.6	.50	13c	.76	7.06
			2.6	.80	10c	.59	5.39
K12208	263X(G-81/2) Blue	2.0	.00	100		3.33

GE NEON GLOW LAMPS



Used extensively in test instruments. On DC, only the negative electrode glows. All except ½-watt types operate on 105-125 volts AC or DC and require minimum starting voltages DC and require minimum starting voltages (approx.) 65 on AC, 90 on DC. 1/2-watt minimum starting voltage 105—recommended only for AC not DC. All have clear glass except K12262 which is finished red and K12263 which is finished orange.



G10	35)	36c	\$3.25
S14	2	45c	4.05
S14	2)	49c	4.40
S14	3	54c	4.86
	Type G10 G10 S14 S14 S14	Type Watts G10 1/2 G10 1/2 S14 2 S14 2 S14 2 S14 2	G10 1 36c G10 1 45c S14 2 45c S14 2 49c

Candelabra Base No. Type Watts Ea. 10 For K12264 T41/2 1/4 36c \$3.25 K12277 G10 1/2 41c 3.65 ARGON (Blue) Lamp Edison base. Clear glass. 21/2 w 45c K12279-Each.

Porcelain Receptacles

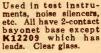




ror neon glow lamps, etc. Mtg. hole spacing all types 11/4" except K13327 which is 2". K13387 requires 11/4" socket hole in addition.

K13331-Candelabra (B) 7c K13330-Miniature (B)	Ea.
K13327—Edison (B)	. 9c
K13387—Candelabra (A)	28c

Resistorless **Neon Lamps**





No.	Type	Watts Each
K12268	T4 1/2	14)
K12269	G10	41°
K12270	G10	1)
K12271	S14	249c
K12209	T41/2	31c

2-Contact Bayonet Metal Shell Sockets



Base Mtg. 11/4" Flush Mtg. Rediam., 113/4" high. Rules 11/4" hole plus Bakelite base. mtg. holes 11/4" Screw ter-

13389



Trutest Bull's Eye

Takes candelabra base bulbs type S-6. For panels up to ½" thick. 1" diameter glass jewel with set

CANDELABRA BASE 110-120 V. Pliot Lights

Genuine GE Mazda lamps. Type S-6. K12257— K12258—

6 watts. 15c 8 watts. 25c Each. 25c

Tubular Candelabra Base

110-120 Volt Pilot Lamp A brand new 4-watt lamp that is ideal for use behind small panel openings, dials, etc. Looks just like a radio pilot lamp. Size: 1/2 diam. 11/4 long. K12272—10 For \$3.30.

Jewelled Pilot-**Brackets**

Fine quality jewelled pilot brackets, for amplifiers, transmitters, etc. All have faceted jewels, highly polished nickelplated steel brackets. Standard jewelled brackets have ½ "generating a ½ " mounting iewel requiring a ½ " mounting

hole. Jumbo brackets have a ¾ " jewel, requiring a 11%" hole. Available with Candelabra 110 V., Miniature Bayonet and Miniature

	Stand	dard Size	
Base		Stock No.	
Type	Green	Red	Amber
Min. Screw	K6433 16e	K6432 16c	K6434 16
Min. Bt.	K6456 18e	K6454 18e	K6458 18
Cand.	K6427 19c	K6426 19c	K6428 19
	Faceted	Jewels Only	
	K6430 12c	K6429 12c K6	431 12c
		With 3/ " Jew	
Min. Screw		K6331 K6	
Cand.	K6333	K6334 K6	335 426

eter glass jewel with set of 4 color discs—red—green—amber—white. Polished chrome. Jewel bezel. K14174—Your Cost. K14175—Simila: to above, but with red or green faceted 1" jewel. Specify color. K14176—Same but with miniature base. Either Type, Your Cost Each. 1" Enclosed Pilot Light

Underwriter's Approved single unit socket assembly unaffected by heat. All porcelain and brass con-

struction. For standard S6 lamp, removable from front of panel.



Pilot Light Sockets Minlature, Candelabra, **Bayonet Base**



	iature	Bayonet	Candelabra
5c ea.,	10 for 47c	6c ea., 10 for 57c	
100 fe	or \$4.23	100 for \$5.10	100 for \$6.75
A	K6510	K6488	K 6539
В	K6511	K6489	K6557
	K6512	K6490	K6540
	K6513	K6514	K6564

Insulated Pilot Light Sockets



10 For (May be assorted).



Underwriter's style sockets with fibre insula-tion. 12" leads. Bayonet type only. K6476—Type (A) K6491—Type (B) K6493—Type (C) K6494—Type (D) Any Above, Each

VICTOR Pilot Bulb

Intermediate base, frosted bulb. 110/120 volts. For Colonial, Victor and other receivers. K12253

Carton of 10, \$1.60. Each ..



Each

Theater Exciter Lamps For sound-on-film. Each measures 31/6" long, 1" diameter; equipped with single-contact bayonet base. Factory

Your Cost, Any Type Туре 5.0 7.5 49° 4.0 8.5

Type T-5: 15 volts, 1 ampere. Your Cost, Each... am- 75°



Dial Light Coloring

K15185—Your Cost, Per Kit.

MALLORY Panel Light



A convenient reflector for panel mounting. Shell base. Mounts in single ½" hole. single 1/4" hole. 47°



For test panel mount in 11/16" hole. 1/2" jewel removable; bulb can be replaced from front. Miniature screw base. Fit tubular bulbs only.

K6415—Red
K6417—Green
K6418—Amber
K6425—Opal

Front Removable Jewel Brackets

Same, but Miniature Bayonet Base K6408—Red K6409—Green K6410—Amber K6411—Opal

Giant 1' Jewel Brackets

1" diameter faceted jewels. Candelabra takes

3 or 6-watt	110 V. bulb.		
	Candelabra	Miniature	Bayonet
Color	Base	Base	Base
Red	K 6403	K6404	K6405
Opal	K 6321	K6324	K6327
Green	K6322	K6325	K6328
Amber	K6323	K6326	K6329
Any Type	Above,		70°
Each			

\$1.05



BURGESS BATTERIES

RECOGNIZED BY THEIR STRIPES - REMEMBERED BY THEIR SERVICE

Burgess batteries have been used for many years by leading laboratories, governmental departments, commercial organizations and others demanding tops in quality. All cells are made of the best material obtainable. Each cell has a seamless drawn zinc can of 99.9% pure zinc which resists perforation. Cells are separated by moisture-resistant egg-crate partitions and a wrapping of paraffined paper. Individual cells are totally covered with pitch to seal each cell and to bind them together into a rugged unit.

Chrome preservative, a Burgess aiscovery, is included in each cell. Like oil on bright metal, it preserves the zinc surface and retards corrosion when not in use. Yet this protective film is so thin that it does not retard the chemical actions producing electrical current. Each cell undergoes an "ageing" period so that substandard ones can be spotted and discarded. To insure uniformity only high quality cells pass acceptance tests. These features plus rigid laboratory control make Burgess batteries the accepted standard.



STANDARD AND HEAVY DUTY 45 Volt "B" Batteries

Super B batteries have oversized cells and are built to give maximum service. Both Regular and Super types available with Fahnestock clips or with sockets for standard battery plugs. Plugs not included.

Standard Duty 45V. B's (Tapped at 22½V.)

	No. Socket		rgess Type	Dimensions H. W. D.	Shpg. Wt.	Unit Pkg.	Single Each
K19829	K19825	2308	Regular	7½x8 x2½"	8 lbs.	6	\$1.34
	H	eavy Du	ty 45V.	B's (Tapped	at 221/2V	.)	July 1
K19831 K19832	K19824 K19822		Regular Super	7½x8 x4" 73%x8½x4½"	12 lbs. 14 lbs.		\$2.05 2.23



Light Duties B Batteries

Small light weight batteries particularly designed for use in portable equipment including radios, test equipment, aircraft, etc. All with binding post terminals. Some have insulated terminals, others plain brass. All give exceptionally long service for their weight.

Stock	Burgess	Terminals	Volts	Dimensions	Shpg. Wt.	Unit	Single
No.	No.		7 0100	H. W. D.	Lbs.	Pkg.	Each
K19861 K19865 K19856 K19863	5308 Z30N W30BPX 4156	insulated insulated insulated brass	45 45 45 221/2	57/8x43/6 x29/6" 41/2x3 x17/6" 35/8x2 ²⁹ /2x17/2" 3 x38/8 x2 ⁹ /4"	4 2 1 2	5 6 6	\$1.16 1.27 1.87

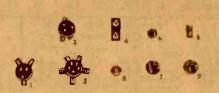


Standard "C" Batteries

Dependable, long life batteries especially designed for "C" supply in receivers, amplifiers, etc. Also used in test equipment. Burgess Type 2370 and 5156 are available with either knurled top binding posts or with sockets to take standard battery plugs. Others available only with binding posts.

Stoc. Posts	k No.	Burgess No.	Volts	Dimensions H. W. D.	Shpg. Wt., Lbs.	Unit Pkg.	Single Each
K19866 K19867 K19868	K19827	5360 2370 5540	41/2 41/2 71/2	3. x25/8x 18/6" 4 x35/8x15/6" 31/8x4 x 1/2"	1 2 1	10 4	31c 30c 48c
K19862*	K19826	5156	223/2#	35/8×41/8×27/8"	2	4	71e

*Has spring clips. #Tapped at 3, 41/2, 16, 221/2V. †Less plug. NOTE: Plugs for batteries above are listed at right.



Standard Battery Plugs

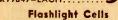
Fit any make of dry battery. Check specifications carefully. When in doubt, give make and model number of battery on your order so that we can determine the correct type of plug you will require. Note listing of special battery harnesses on page 10.

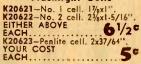
No.	Illus.	Description	Used With	Each
K20591	(1) (2) (3)	3-prong "B"	45 V. "B" Batteries	
K20592	(2)	3-prong "C"	41/2 V. "C" Batteries	
K20593	(3)	5-prong "C"	221/2 V. "C" Batteries	-
K20590	(4)	2-prong "A"	41/2 V. "A" Batteries	5°
K20595	(5)	2-prong "A"	11/2 V. "A" Batteries	Ten
K20596	(6)	3-prong "B"	Portable "B" Batteries.	Ass'to
K20597	(7)	4-prong "A&B"	Comb. 116 V. "A" & 90 V. "B" packs	for
K20598	(8)	2-prong "A"	6 V. "A" Batteries	45c
K20599	(9)	4-prong "A&B"	Comb. 6 V. "A" & 90 V. "B" packs	100



Little 6 "A" Battery

Type 4FA-1/2 volt radio "A" battery. Has same capacity as the standard round cell but is 30% smaller and 40% lighter. Size: 2½x2½x4-5/16". Brass posts. Shpg. wt. 2 lbs. K19847-EACH. 33°





3 Volt A Battery

For use with 2 Volt tubes. Unless set has built-in control, resistor listed must be used. No water. No. 20F2-400 service hrs. at ½ amp. drain ¾ hrs. daily. II-13/16 x3-15/16x6-1/16" Shpg. wt. 15 lbs. K19828—YOUR COST EACH. 2-35 K20606-Resistor. EACH.25c

PORTABLE "A" BATTERIES

Laboratoria de la constantina della constantina					COM	PARAT	IVE TY	PES	
Stock	Burgess	Your		Size	Usa-	Ever-	Bright	Ray-o-	Shpg.
No.	No.	Cost	Volts	LxWxH	Lite	eady	Star	Vac	Wt., Lbs.
K19854	2F	\$0.28	11/2	25% x13% x 43%					1
K19850	4F	.42	11/2	28/8 x25/8 x 43/4	634	742	462	P94A	9
K20610	G3	.39	41/2	4 x429/2x 13/8	683	746	361	P83A	2
K19842	F4PI	.42	6	28/8 x 25/8 x 4	639		646	P694 A	2
K20613	2F4L	.70	6	329 xx17 x1011	646	747	868	P698L	- i
K19843	G5	.52	71/2	35/8 x211/6x 43/6	687	687	561	P85 A	2
	, 0.0							Loon	٥
10			PORT	ABLE "B"	BATT	ERIE	5		
K20627	XX45	1.60	6714	134 x211/6x311/6		467		4367	1
K20614	B30	1.05	45	2% x41/6 x5%	624	762	30-03	P5303	2
K20616	Z30	1.12	45	31/4 x21/4 x4	620	738	30-33	P7R30	9
K20617	M30	1.05	45	5% x3% x1%	640	482	30-33	P5830	4
K19859	W20P1	.88	30	11%x1% x41/4	1000	102		1 3550	
1613033						2112	277		1
	CC	MBI	NATIC	N PACKS	FOR	PO	RTAB	LES	
K19871	5DA60	2.85	114 & 90	5% x211/4x87/2	AB665				
K19874	6FA60	2,59	11/2 & 90	1115/6×67/2 x119/2	AB667			AB84	8
K19875	4GA42	1,90	11/2 & 63	9 x2 x434	AB669			AB419	6
K20618	G4B50	2.14	6 & 75	41/8x123/8x213/8	AB670			ADTIO	7
110000							111		
1. VI.	COL	MRIN	IOITAL	N PACK F	OR F	ARM	RAI	DIOS	
K20619	17GD60	4.36	11/2 & 90		1	748	61-05	AB82 1	25
									12.3



BRIGHTSTAR BATTERIES

Ever since the inception of radio, Bright Star batteries have been identified with efficient radio reception on all types of battery oper-ated radio receivers. It therefore naturally follows that with the introduction of the new portable and non-portable type receivers, Bright Star radio batteries should again be relied upon for a dependable source of power supply. Many hours of enjoyable reception and maximum dependability are assured through the use of the "bag type" construction. This type of construction has lang been identified with the name Bright Star as has high quality coupled with laboratory control of all processes of manufacture. You can rest assured that when you buy a Bright Star battery you get one of the finest batteries made. All of the portable type batteries, for example, employ a special inner casing to protect them against moisture and dampness which normally affect battery life when receivers are used outdoors. Construction is excellent. used outdoors. Construction is excellent.













"A" BATTERIES FOR PORTABLE RECEIVERS

All have 2-prong sockets (plugs not supplied)

Stock	Туре			Dimensions:	Pkg.	Std.	Single
No.	No.	Volts	Cells	L" x W" x H"	Lbs.	Pkg.	Each
K20631	461	11/2	4	318/6x29/6 x27/8	10	6	\$0.48
K20632	462	11/2	4	2% x2% x4	19	12	.42
K20633	465	11/2	4*	318/6X18/8 X58/8	10	6	.52
K20634	660	11/2	6	318/6x29/6 x41/8	13	6	.63
K 20635	860	11/2	8	318/6x29/6 x58/8	18	6	.84
K20636	865	134	8*	10% x318/6x1%	18	6	.84
K20637	361	436	3*	329 x2 X 1 5/6 X 4 11/6	16	12	.38
K20638	646	6	4	25/8 x25/8 x41/16	9	6	.51
K20639	661	6	4	313/6x25/8 x215/6	10	6	.52
K20640	866	6	8	313/6x25/8 x51/6	18	6	.84
K20641	868	6	8*	10% x313/6x13/8	18	6	"84
K20642	561	73%	5	3 1/8 x2 5/8 x4 1/6	12	6	.67

* These batteries lie flat: all others are upright.

"B" BATTERIES FOR PORTABLE RECEIVERS

A special inner container makes these batteries proof against dampness and moisture. Plugs are not included but are available separately as

ligied di	CII.					
Stock	Type		Dimensions:	Pkg.	Std.	Single
No.	No.	Volts	LxWxH"	Lbs.	Pkg.	Each
K20643	30-03	45	41/8×29/6×58/8	35	12	\$1.05
K20644	30-33	45	3%x1%x57/6	22	12	1.05
K20645	30-50	45	41/6x31/2x21/6	12	6	1.40
K20646	80-55	45	81/4x21/4x45/8	12	6	1.40
				ADIE	RECEI'	VEDE
B	BATTE	RIES FO	R NON-PORT	ADLE	KEVEI	A E K 2
Stock	Type		Dimensions:	Pkg.	Std.	Single
No.	No.	Volts	LxWxH"	Lbs.	Pkg.	Each
K 20647	430	45*	91/2x45/8x81/8	54	3	\$4.00
K 20648	30-61	45†	7 x4 1/2x71/6	75	6	2.05
K20649	30-60	451	7%x4 x71/6	65	6	1.81
K20650	80-95	45#	7%x276x71/6	45	6	1.42
			vy Duty. Hes		y. # Re	gular.
enemals selv.						_











STANDARD "C" BATTERIES

Type 15-03 is often used as a "B" battery in test equipment.

Stock	Туре		Dimensions:	Pkg.	Std.	Single
No.	No.	Volts	LxWxH"	Lbs.	Pkg.	Each
K20651	71-17	41/2*	3 1/8 x 1 3/8 x 2 15/16	8	10	\$0.24
K20652	03-17S	43/21	2%x 1/8x21/2	2	5	.28
K20653	03-17P	4161	2%x 1/8x234	2	5	.28
K20654	51-03	73/2#	3 1/8 x 1/8 x 2 1/4	3.	5	-44
K20655	15-03	221/2°	41/8x21/2x21/8	14	10	.69
* For 3-pt	. plug. †	Screw te	rminals. Flat	battery.	# Wire	terminals
° For 5-pr	one plue.	PLUGS	NOT SUPPLIE	ED.		

BATTERY PACKS FOR NON-PORTABLE RECEIVERS

Stock	Type	Volts	Dimensions	Pkg.	Std.	Single
No.	No.		L x W x H"	Lbs.	Pkg.	Each
K20656 K20657 K20658 K20659 K20674 K20675	61-05 60-05 90-06 90-08 16-61‡ 20-60‡	1½&90* 90† B&C° 9&135 B&C§ 9&135 1½A	15%x4%x 7" 15%x3 x 7;4" 9%x5%x13;6" 9%x6%x13;6" 4%x5%x 7;4" 7%x2;6x 7;6"	2114 4412 41 41 20 43	1 3 1 1 3 6	\$4.16 2.97 5.95 5.95 1.57 1.57

4-pr. socket. † 3-pr. socket. *7-pr. socket. § 8-pr. socket. ‡ 2-pr. socket.















FLASHLIGHT BATTERIES

Stock No.	Type No.	Description	Dimen. Inches	V.	Pkg. Lbs.	Std. Pkg.	Single Each
K20660	10M	Reg. Unit Cell	13/8×23/8	11/2	11	48	\$.061/2
K20661	11M	Baby Unit Cell	1 x17/8	11/2	6	60	.061/2
K20662	91-17M	2-Cell Baby Tub.	1 x334	3	5	24	.13
K20663	90-17M	2-Cell Large	13/8×43/4	3	24	48	.13
K20664	05-17M	-3-Cell Large	13/8×71/8	43/2	33	48	.191/2
K20665	10MC	Industrial UC	13/8×23/8	11/2	11	48	.0632
K20666	90-17MC	2-Cell Indust.	23/8×43/4	3	16	36	.13
K20667	05-17MC	3-Cell Indust.	13/8×73/8	436	24	36	.191/2
K20668	50-17	2-Cell Flat	21/4×11/4×8/8	3	1	10	.10
K20669	51-17	3-Cell Flat	21/4x2 x5/8	41/2	2	10	.191/2
K20670	03-17	3-Cell Flat	25/8×21/8×34	41/2		10	.1914

PENLIGHT 1 & 2 CELL BATTERIES

Stock No.	Type No.	No. Cells	Volts	Description		Pkg.	Std. Pkg.	
K20671 K20672 K20673	59 59-1 250D	1 1 2	3 1½ 3	Regular Regular Extra Size	%x3 78" %x1 78" 58x3 78"	3 1½ 2½ 2½	36 36 24	\$.06½ .03½ .06½

GENERAL PURPOSE AND RADIO "A" DRY CELLS
K20677-No. 6 Gen. Purp.

30c | K20676-No. 6 Radio
YOUR COST EACH...

TYPE 460 UTILITY LANTERN BATTERY
6-Volt battery for railroad and industrial lanterns. 4-cells. Size: 2½x

K20630-YOUR COST EACH...

35c

SEE PAGE 18 FOR REPLACEMENT BATTERY GUIDE

BATTERY CHARGERS

ATR Battery Chargers



Model 600

Automatically tapering, full-wave dry-disc type. Charging face 6 to 3 amperes. For charging 6-volt batteries for cars, boats, radios, etc. Equipped with polarized dash receptacle and plug, fuses, 9-foot DC cord, 12-foot AC cord and complete instructions. Dimensions: 8x4x3³4″ Shg. wt. 8 lbs.

Model 400

Standard model similar to the above. Standard model similar to the above. Charging rate 4 to 2 amperes for 6-volt batteries. Complete with polarized receptacle and plug, fuse, 6-foot DC cord, 6-foot AC cord and Instructions. Dimensions: 5½x3½x8½x8½%. Shyg. wt. 5 lbs. \$6.82.

Dry Cell Battery No. 6 Dry Cell



Standard 6" 11/2 volt dry cell for general use in radio

Flashlight Cells

Fresh stock. Long-life cells for standard flash-lights, flash synchronizers, etc. Highest quality yet priced low. No. 1 is 1x1½". No. 2 is 1½x2½". K19841—No. 1 Size K19840—No. 2 Size Either Type Each. 4½c

MALLORY Battery Chargers

BATTERY BOOSTER

Dry disc rectifier type 4 to 2 amperes tapering charge. Has external circuit breaker with quick front reset. Per-

quick front reset. Perforated for thorough ventilation. Equipped with 6-ft. cord for light socket and a 4-ft. cord with clamp-on receptacle for dash mounting. Dimensions: 632/kx33/d dep. Finished in black wrinkle. For 115 volts, 50/60 cycles a.c. operation. Shpg. wt. 5 lbs. K15696

\$6.24 Your Cost.

Model 5535B Charger

Delivers 6 to 4 amperes tapering charge. Employs dry-disc rectifier. Has circuit breaker and large me-

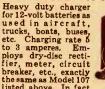
breaker and large meter indicating rate of charge. Finished in black wrinkle and chromium. Dim.: 7½x 4½x4½". With 6 ft. A.C. cord, 6 ft. D.C. cord and receptacle for dash mounting. For 115 V. 50/80 cycles A.C. Shpg. wt. 7½ lbs. 4½x4½". With 6 ft.
A.C. cord, 6 ft. D.C. cord and receptacle for dash mounting. For 115 V. 50/60 cycles A.C. Shpg. wt. 7½ lbs.
K15698—Your Cost. \$9.02

Model 107 Heavy-Duty Charger

Model 107 Heavy-Du
10 to 7 ampere charging rate which will
completely charge a
battery overnight.
Employs a dry-disc
rectifier, large meter,
circuit breaker and provision for thorough ventilation. Complete

with 6 ft. a.c. cord, 6 ft. d.c. cord and receptacle for dash

Model 125 12-volt Charger





BATTERY SPECIALS!

Plug-in type batteries at sensationally low prices! Fresh stock always on hand due to our tremendous turnover of these popular batteries. Equal in quality to many batteries selling at considerably higher prices. Perfected cell construction assures maximum life and quiet operation. Plugs not supplied but available as listed below.

140.	. A OLCR	Type	Dimensions	Wt.	Your Cost
20179 20180 20181 20185	45 45 41/2 22 1/2	Regular B Heavy Duty B Standard C Standard C	7½x7½x4½" 7½x7¼x8½" 4 x3½x1½" 4½x3½x2½"	8 lbs. 12 lbs. 1 lb. 2 lbs.	\$1.43 1.97 .30 .75
	4 m.				

Standard Plugs to fit above or similar batteries. 5c Ea. 10 Asst. 45c K20591-3 pr. for 45 V. K20592-3 pr. for 4½ V. K20593-5 pr. for 22½ V.



5-Amp. Tungar Charger

For charging any 6-volt battery at home. Delivers full 5 amperes and tapers off as battery charges, thus preventing damage to cells due to over-harging Hagreen-



cells due to over-charging. Has recep-tacle for attaching to car and ammeter so that battery can be charged without removing it from car. Complete with tube and all accessories. For 110 volts, 60 cycles a.c. only. Shpg. wt. 13 lbs.

K15699— Your Cost.....

\$12.25

CROWE Automatic Cut-Out



Saves your auto radio vibrator by automatically cutting out the head-lamps, heater and other accessories every time anyone steps on the starter. The instant the starter is released, the Cut-Out automatically restores these circuits.

6V. "A"-90V. "B" Combination Battery Pack

Combination A-B battery for portable receivers. Size: 12x41/6x211/6". Shpg. wt. 7 lbs. K20186—Your Cost. \$3.00

PORTABLE BATTERY REPLACEMENT GUIDE

(See Pages 16 and 17 for Burgess and Bright Star Batteries)

Make and Model No. Burgess	Bright Star	Make and Model No. Burgess	Bright Star	Make and Model No. Burgess	Bright Star
ADMIRAL		GAROD		PILOT	Drigut Star
336-5N, 636-5N 2-B30, 1-G5 33F5, 34F5, 36H5 1-6FA60	2-30-03, 1-561	BP5, BP5A, BP72-B30, 1-4F	2-30-03, 1-462	T1351, X1451, X1453 2-M30, 1-2F4I	2-30-50, 1-661
35G6, 37G6 1-6FA60 27G4, 28G5 1-XX45, 2#2		BP6, BP81-5DA60 BP12, 12A, 12B2-B30, 1-G5	2-30-03, 1-561	X1450, T712-M30, 1-2F4I	2-30-33, 1-868
AUTOMATIC		BP201-XX45, 3#2		PHILCO	
P43, P45, P722-B30, 1-4F	2-30-03, 1-462	GENERAL ELECTRIC		39-71, 72, 73 2-B30, 1-4F 40-81, 82 1-4GA42	2-30-03, 1-462
Personal 1-XX45, 2#2	2-30-03, 1-402	HB402, 403, HBX467. 2-Z30, 1-4F	2-30-50, 1-461	40-881-6FA60	• • • • • • • • • • • • • • • • • • • •
CROSLEY		JB513, 508, HB4122-M30, 1-2F4L	2-30-33, 1-868	RCA	
4391-4GA42				94BP1, 4 & 61 2-B30, 1-4F	2-30-03, 1-462
45BV1-XX45, 1#2	***********	LB6031-XX45, 3#2	**********	62, 64, 66, 80, 81 2-B30, 1-4F BP55, 56, 85 2-M30, 1-2F4I	2-30-03, 1-462 2-30-33, 1-868
DETROLA		LAFAYETTE		BP-101-XX45, 1#2	*************
286, 288. 2-B30,1-8F 295. 2-B30, 1-4F	2-30-03, 1-860 2-30-03, 1-462	BS72, CC55 & A2-B30, 1-4F	2-30-33, 1-462	SEARS-ROEBUCK (Silvertone)	
303 1-4GA42 339, 3401, 3412 2-M30, 2-G3		BS33A, D932-B30, 1-F4PI BB73 & A, C121 & A2-M30, 2-G3	2-30-03, 1-462 2-30-33, 2-361	6256, 66, 73, 742-B30, 1-4F 6372, 6541, 78142-B30, 1-4F	2-30-03, 1-462
DEWALD	2-30-33, 2-361	CC722-M30, 1-G5	2-30-33, 1-561	66411-XX45, 2#2	2-30-03, 1-462
415 Cub1-5DA60		CC58A & B, C116 2-M30, 2-G3 E191, EB164, S161 1-XX45, 2#2	2-30-33, 2-361	SENTINEL	
545, 5652-M30, 1-2F4L		JS114, 1151-XX45, 3#2		127BL, 151BL 2-B30, 1-4F	2-30-33, 1-860
410, 5641-XX45, 242 EMERSON		MONTGOMERY WARD (Atrline)		180XL (late) 2-B30, 1-F4PI 201XL 2-B30, 1-F4PI	2-30-03, 1-866 2-30-03, 1-866
CE2592-B30, 1-4F	2-30-03, 1-860	6B72-B30, 2-G3	2-30-03, 2-361	217P, 219P 2-M30, 2-G3	2-30-33, 2-361
DJ310, 311, 3122-M30, 2-G3	2-30-33, 2-361	403, 460, 4622-B30, 1-4F 566, 5692-B30, 1-F4PI	2-30-03, 1-462	227P, 247P1-XX45, 242	
EA338, 339, 3572-M30, 2-G3 3852-M30, 2-G3	2-30-33, 2-361 2-30-33, 2-361	663, 668, 6722-B30, 2-G3	2-30-03, 2-361	WELLS GARDNER	
DF302, 3062-B30, 2-G3	2-30-33, 2-361	MOTOROLA	N	6B7, 6B10, 6B182-B30, 2-G3 6B3, 6B82-B30, 2-G3	2-30-03, 2-361 2-30-03, 2-361
DU379, 380, 4111-XX45, 2#2	•••••	57BP1, 57BP2, 57BP3.2-M30, 2-G3	2-30-33, 2-361	ZENITH	2 55 55, 2-661
FADA P49, PD49, P582-B30, 1-4F	0.00.00 4.00	57BP4, 65BP1, 65BP2, 2-M30, 2-G3	2-30-33, 2-361	4K400D, M, S, Y, L 2-B30, 1-4F	2-30-03, 1-462
P22, P28, PD282-M30, 1-2F4L	2-30-03, 1-462 2-30-33, 1-868	65BP3, 65BP4, 61L11 .2-M30, 2-G3 41H	2-30-33, 2-361 2-30-33, 1-462	5G500, 501, 5041-G4B50 6G501, 5051-G6B60	**********
B, C, L & M 33's1-XX45, 3#2		3A5		5G500R1-G6B60	***********
The state of the s					

and DRIVEN GENERATORS conver

KATO A.C. Gas Generator Model 19A



A compact, efficient gas-engine generator for home lighting use. Designed also for trailers, summer cottages, sound trucks, farms, stand-by, etc. This unit develops 850 watts of 110 volt 60 cycle a.c. and 200 watts of 6 volt d.c. for battery charging. Equipped with four cycle air-cooled % h.p. Johnson "Iron Horse" and positive mechanical governor. Engine develops 1800 r.p.m. Runs 12 hours on gallon of gas. Ignition shielded d.c. ammeter, charge control resistor and cutout. Shops, wt. 140 lbs. K13812—Your Cost.

Model 23A, 500 Watts

Heavy duty model similar to above. Has Johnson "Iron Horse" 1 h.p. engine. Delivers 500 watts of 110 volt 60 cycle a.c.; up to 22 amperes at 6 Volts d.c. Capacity of overhead gas tank is 3 quarts; oil capacity 34 pint. Runs about 9 hours on a gallon of gas. Complete with start/stop push button control, ammeter, cables, cutout, charge control resistor. Filtered and shielded. 16/5/17/5/x21". Wt. 170 lbs.



\$118.50

PINCOR "BLUE Diamond" 300-Watt Gas Driven A.C. Generators

These sturdy, efficient plants deliver "city electricity, 110 volts, 60-cycles a.c., for operating radio receivers, lights, farm and home appliances, etc. Also deliver low voltage for charging storage batteries. Utilize the powerful Blue Diamond 4-cycle, single cylinder air cooled engine, rated at 5% H.P. All models have sush-button for starting, and also have auxiliary rope-pull starter. Engine operates from 7 to 8 hours on one gallon of gas; base tank has 1-gallon capacity. operates from 7 to a nours on one gation of gas; base tank has 1-gallon capacity. Filter recommended where unit is used to operate radio. Size: 19½ long, 14" high, 14" wide.



TUNGAR

Bulbs

Your Cost

\$2.94 53.67

M19880—300 watts, 110 volts, 60-cycles a.c. Also delivers 6 volt d.c. at 200 watts for charging 6-volt storage batteries. Shpg. wt. 125 lbs. Type BD6 Your Cost... \$64.64

K19882—300-watts, 110 volts, 60 cycles a.c.; 12 volts d.c. for charging 12 volt batteries. Shpg. wt. 125 lbs. \$75.42 \$75.42

Your Cost.
K19887—Filter with ignition shielding. Each.....

VESTA 2 and 6 Volt Storage Batteries

Long-life stor-age batteries forradio equipment and lighting systems. Have proof containers and over-Bushings are are molded in



to prevent corrosion and acid seepage. With radio terminals, bail age. v

6-Valt Ratteries

No.	Plates	Amps.	Hrs.	Lbs.	Each
K21099	13		105	35	\$6.55
K21098	15	106	120	42	7.35
K21097	17	124	145	50	8.15

2-Voit Battery
Single cell. For 2-volt farm receivers; no external resistor necessary.
300 hour operation at 0.5 amp. drain.
19 plates. Rechargeable. Shpg. wt.
22 lbs.
421096—Each. \$5.45

32 to 6V. Charging Resistor



For charging any 6 V. auto or radio battery from 32 V. lighting systems. Cuts voltage to correct value. Now you can save by charging your own batteries. K12694—Each. \$1.85

Hydrometer

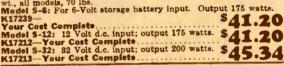


beaded float. Wt. 2 lbs. 26c

CHAMPION Generating Units

For Charging Batteries, Lighting and for Power. Four cycle engines, air cooled, and with suction feed carburetor, magnetic ignition, ¼ Horse Power rating at 2200 r.p.m. Have automatic governors. Push-Butten electric starting on all models. Fuel tank capacity ½ gallon, good for four hours operation. Come complete with ammeter to show rate of charge, generator cutout, leads and clips—ready to operate. Instructions furnished. Overall size: 15½° long, 11½° wide and 18½° high. Shpg. wt., all models, 70 lbs.

Model S-6: For 6-Volt storage battery input. Output 175 watts. K17239—For Service of the control of the control



NOTE: We can supply Pioneer (Pincor) Generators and power plants for all voltages and with output up to 5000 watts. We will quote lowest prices on receipt of your requirements.

EVEREADY 1.4 & 2 Volt "Air Cells"



Type A-1300—1.4 Volt (illustrated at left). For battery operated receivers using 1.4 volt tubes; current drain not exceeding 660 ms. 1500 hours guaranteed, at 200 ms. drain. Plugin connection. Shipped dry—just add water. Dims.: 5½x4½x8½. Less plug. Shpg. wt. 7½ lbs.

plug. Shpg. wt. 7½ lbs.

K20136—Each \$1.85
Less 2%, Not Each.

K20150—Plug only for above (A-1300) battery.

Type A-2600—2 Volt (Illustrated at right above). 1000 hours at 660 ms. drain. longer on a smaller drain. Shipped dry. Just add water. Post connections. 91½ x89½ x10½". Shpg. wt. 24 lbs.

K20126—Each \$4.85 Less 2%, Not Each.

Type \$A2600—2 Volt. Heavy duty type. As above but for sets using up to 750 ms. Shpg. wt. 24 lbs.

K20127—Each \$5.51 Less 2%, Not Each.

Type A2300—Medium size. For sets using less than 660 ms. Size: 8½x5½ x8½". Shpg. wt. 13 lbs.

K20135—Each \$3.11 Less 2%, Not Each.

\$3.05



Tungar-Type Bulbs 1)—0.6 amp. 21905—Your Cost....... \$1.85 D)—6 amp. K21908—Your Cost......\$2.95 (D)—15 amp. K21909—Your Cost......\$5.95 (D)—20 amp. K21910—Your Cost......511.25

Used in battery chargers, "A" eliminators, etc. Can replace Rectigon

inators, etc. Can replace Rectigon bulbs of equal rating. Individually tested. Shpg. wt. 2 lbs.

Type Rating
A .6 amp.
B 2 amps.
C 2 amps.

5 amps.

6 amps....

No. K21900 A K21901 B K21902 C

Genuine Mazda 6-Volt **Edison Base Bulbs**

Edison base light bulbs for use in 6-volt lighting circuits. Inside frosted.

K12255—15 watts. Draws 2.5 amps.

K12256-25 watts. Draws 4.2

amps. Either Type, Each......25°

Pincor "Gold Crown" **Gas-Electric Plants**



Heavy duty 110 V. a.c. plants. Single cylinder, 4-cycle air-cooled engines. 600 W. model has 1 h.p. engine (7 hrs. on 1 gal.); 1000 W. model has 2 h.p. engine (4-5 hrs. per gal.); 1500 W. model has 3 h.p. engine (3-4 hrs. per gal.) gine (3-4 hrs. per gal.).

K19895 1000 225 228.36	Electric st	tart (12 v. b	att.). Aux. Pop	e starter.
K19895 1000 225 228.36	No.	Watts	Wt. Lbs.	Each
K13833	K19894	600	190	\$157.96
M17214 1500 475 277.20	K19895	1000	225	228.36
Parada 1000	K17214	1500	475	277.20

LAFAYET TE Rotary Converters



Stock No. (17229 K17207

With Radio Filter With Radio Filter All have double wound armature with sepa-rate a.c. and d.c. wind-ings; good regulation of output voltage; quiet operation. Other ratings and input and output voltages available. Write for details.

110 Volts D.C. to 110

	A STION	1.6.	
atts	Input Amps.	Wt. Lbs.	Your
110	1.8	88	\$33.57
200	8.0	38	41.07
300	4.2	48	52.07



From 110-115V. D.C.
To 110 Volts A.C.
No. Output Each
K19804 150 W. 32.63
K19809 225 W. 38.07
K19805 300 W. 46.01
K19815 500 W. 60.56

JANETTE Converters

For operating 110 volt, 60 cycle a.c. appliances, radios, P.A. systems, etc., from d.c. supplies. All equipped with radio interference filters. All Convert D.C. to 110 V. 60 Cycles A.C.

STANCOR Auto Radio est & Demonstrat'n Pack



Model 132: Compact power unit for auto radio sales demonstration and test work. Also useful for in-dustrial and laboratory purposes, since it can be used as a battery charger, a magnetic field exciter, as charger, a magnetic field exciter, as a source of power for electro-plating, etc. Delivers 3 to 6 volts of well filtered D.C. at 12.5 amperes continuously, or 5 volts at 16 amps. instantaneous load. Ripple 6%. Fused primary. Has overload cutoff relay. Output voltage adjustable in 7 steps from 3 to 6 v. at 12.5 amps. and 2 to 5 v. at 16 amps. Built-in voltmeter. Fullwave dry rectifier. With 6-ft. cord and plug. Size: 13 1/4 x8 1/4 x6 high. Shpg. wt. 26 lbs. \$30.38

STANCOR Heavy Duty Tapped D.C. Power Pack



Models

For battery charging, tank plating, field excitation, welding, etc. Output voltage adjustable in six steps from 1 to 10 volts, depending on load. Max. continuous load 12 amps.; instantaneous—20 amps. at 8 v. Drain 375 watts. Operates on 115 volts, 50/60 cycles A.C. Size: 9° wide, 6° deep, 7° high. Shpg. wt. 18 lbs. Model U-129 K15614— \$24.70

ATR DC to AC Inverters



6, 12, 32 110 and 220 Volts

Especially recommended for use with radio receivers, phono-radio combinations and similar equipment. Exceptionally well filtered. Designed for quiet, long-life operation. Standard models are equipped with ten-contact plug-in vibrators. All models listed below have 110 V. A.C. output. Both Intermittent and Continuous output wattages are indicated. Size of Standard model T½x8½x4½"—Heavy Duty 7½x9½x6½". Shpg. wt. Standard models 18 lbs.

Stock D.		ts W	atts	Your
No. Ir	put	Int.	Con.	Cost
K17242	6	85	75	\$17.02
K17243	12	125	100	17.02
K17244	82	150	100	17.61
K17245	110	250	150	17.61
K17246*	110	325	225	23.23
K17247	220	250	150	17.61
*-Heavy	dutv	mode	1 Sh	nor sut
28 lbs.		· · · · · · · · · · · · · · · · · · ·		PB. WV.

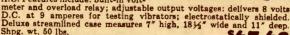
NOTE: We can supply any Stancor, Mallory, A.T.R. or Electronic products not shown on this page, at regular dis-counts from list prices. Your orders will receive prompt and efficient handling.

STANCOR Model 133 Master Deluxe Pack

Similar to model 132 listed at the left, but for heavier duty work.

D.C. Output 3 to 6 volts at 16 amperes continuously, maximum instantaneous 2.7 to 6.4 volts at 22 amperes. Ripple less than 5%. Drain 420 V.A. at 115 volts, 50/60 cycles

A.C. Features include: built-in volts, for the property of the



Shpg. wt. 50 lbs. K15615—Your Cost Complete.....

STANCOR D.C. Power Packs

Model 131 (illustrated): Economy pack that Model 131 (Illustrated): Economy pack that will deliver plenty of power for most requirements. D.C. output 7 amps. continuously at 6.5 volts; 12 amps. instantaneously at 4.5 volts. Ripple less than 4.5%. Input 110-115 v., 50/60 cycles A.C. at 175 watts. Jewelled pilot light. Fused primary. Ideal for demonstrating and testing auto radios. 8x6/4x7/4" high. Wt. 17 lbs. K15600—Your Cost

Model 125: Similar to the above, but lighter duty. Supplies 2 amps. at 8 volts D.C. Ideal for converting 6-volt farm receivers to 110 volts A.C. operation. Size: 10x6x5° high. Shpg. wt. 9 lbs. \$22.93

Model 125T: Same as the above, but also supplies 6 and 12 volts A.C. (In addition to 6 v. D.C.) to operate door openers, buzzers, etc. Especially designed for use with inside telephone systems. Less than 1% ripple. Shog. wt. 9 lbs.

K15602—Your Cost. \$22.93

Radio and Auto Fuses



Type 3AG: 11/x Tins of 5. May be assorted for quantity price. K13189—Specify

17°	\$3.05
5 12c	\$2.15
10 10 TOC	\$18.0
2071/sc	\$1.35
25 80 T2c	\$2.15

MALLORY Rectifier



Type F16C3M Copper sul-phide type, replaces old

replaces of the type numbers 16C3, X116, ME116; also can be used to replace types 16C3B, XB16 and M16 by using base from old rectifier. For rebase from old rectifier. For re-placement in Mallory chargers and boosters and in many other makes as well. Shpg. wt. 2 lbs. K437— \$4.02

MALLORY Vibrapacks



Flexible, heavy-duty vibrator power supplies for supplying high voltage direct current from a storage battery or similar d.c. source. For use with receivers, amplifiers, transmitters, etc. Four voltage outputs in 25 volt steps. Efficient and compact. Tube rectifier type is required where "B" minus cannot be at ground potential.

No.	Type	Vltg.	Output Voltage	Output	Type	Each
K6090	VP-551	6.3	125-150-175-200	100 ma.	Self-Rect.	
K 6094	VP-552	6.3	225-250-275-300	100 ma.	Self-Rect.	12.35
K 6091	VP-558	6.3	125-150-175-200	100 ma.	Tube Rect	
K6095	VP-554	6.8	225-250-275-800	100 ma.	Tube Rect	
K6066	VP-555*	6.3	300			
K6067	VP-557*	6.3	400	200 ma.	Tube Rect	
K6092	VP-G556	12.6	225-250-275-800	150 ma.	Tube Rect	
	VP-F558			100 ma.	Self-Rect.	
		04.0	225-250-275-300	100 ma.	Tube Rect	. 13.61
Specia	I Dual Fa	CKR 101	high output. Ou	tput volts	ige not adju	stable.
Type v	F-223 FII	ter-	For all single uni	t packs	here utmos	t hum
suppres	sion and v	oitage	regulation is requ	ired.		.70
M POPO -	- Tour Co	ST				. / W

Replacement Vibrators for Vibrapacks | No. Vibrapacks | Type Each | No. Vibrapacks | Type | Each | No. Vibrapacks | Each | Each

MALLORY VP-540 Filtered Vlbrapack

MALLORY VP—540 Fites
A complete "B" power unit that operates
from any 6 volt storage battery and delivers
250 volts at 60 ma, closely matching the
power requirements of most auto, marine
and aircraft receivers. The self rectifying
unit is fully filtered—no additional filtering
required for the average installation. Comes
complete with overall dust cover and special
mounting bracket for easy installation in
mobile equipment. Size: 7½x31½x5½"
high. Shpg. wt. 9 lbs.
K6059—Your Cost Complete.



STANCOR "A & B" Eliminators

AC-DC Model 137 Makes any 5 or 6 tube battery radio using 1.4 V. tubes into an A.C.-D.C. radio that will op-



that will operate from any 110 V.50/60 cycle A.C. or D.C. power line. Eliminates "A&B" batterles. Fits battery compartment. Output: 90 Volts at 18 ma. and 1.4 Volts at 275 ma. Size: 6x41/x 11/2. Shpg. wt. 2 lbs. \$7.50 K15607—Each.

Commercial Power Packs

\$14.11 Each
U-800: D.C. output 12 to 18 v. at
6 amps. continuously, max. instantaneous load 12 v. at 15 amps.
A.C. output 6 v. at 5 amps. Size:
5½" h., 4½" w., 15¾" d. Drain
285 watts. Shpg. wt. 16 lbs.
K15603—
Your Cost......\$20.00

ATR-Portable "B" Eliminator

5 ordinary No. 2 flash-light cells take the place of 90 V. of ex-pensive "B" batteries! Can also be operated from the storage batfrom the storage battery in your car or boat. Smaller than the equivalent B batterles yet supplies 90 V. at 10 ma. Consumes approximately 0.2 amps. from the dry cells. Vibrator unit—5%x 23x134"; Flashlight cell container—5½x4½x1%". Shpg. wt. 4 lbs. Less battery container and cells.

and cells. K15625—Your Cost. \$8.57 Container only for 5 No. 2 cells. Shpg. wt. 2 lbs. \$2.70 \$2.70

ELECTRONIC Power Supply

For 6 V. D.C. or 115 V. A.C. Operation



Modei S-1040: Vibrator type power supply operates from any 6 volt storage battery or from 115 volts 50/60 cycles A.C. Output 300 volts D.C. at 100 ma. Filament supply 6 volts A.C. at 4 amps.—switch for change-over. Separate A.C. input connection for 115 v. operation. Overall size 5½x5½x7½". Shpg. wt. 12 lbs. lbs. K15617—Each... \$18.50

WORNER Photo-Electric Equipment

Economy Photo-Cell and Light Source Units



ractical units which may be used for burglar alarms, con-trolling lights and bells, an-nouncing purposes and numerous other

applications. An increase or decrease of light intensity controls the unit. Relay is rated at 1 amp. 110V. AC non-inductive load. By placing the photo-cell underneath the chassis it is protected from stray light. Size 5x4x2". The Light Source throws a concentrated beam 25 ft. employing a special 25W. bulb. It is housed in an attractive metal cabinet fitted with a fixed focus lens. Size: 4%x4/x22/5". Shpg. wt. 2 lbs. per unit. For 110V. AC or DC operation. K15662—Relay Unit \$7.25 K15663—Light Source \$3.95 UNWIRED KITS

UNWIRED KITS

Easy to assemble. Exactly as above but unassembled. \$6.25 K15667—Relay Unit. \$6.25 Your Cost......\$2.95

Burglar Alarm Gong

For use with Worner or any burglar alarm system. Com-prises a 5 inch,



prises a 5 inch, battery operated, electric gong in a weather-proof, crackle finish, metal housing. It is sold without batteries. Dimensions are 10x10x14". Has a loud clear tone. Shpg. wt. 6 lbs.

K15676— Your Cost

WORNER "Industrial" Units

Designed specifically to withstand conditions encountered in industrial applications. These sturdy units are available in two



WORNER "Burglar Alarm" System Same appearance as the above units but designed specifically for protecting homes, offices, stores, etc. Takes the place of a night light in guarding safes, doorways, etc. A necessity in case of "blackouts". The Light Source projects a concentrated beam of INVISIBLE LIGHT into the condensing lens of the Receiver. Interruption of the invisible beam or disconnecting the 115V wiring to the unit operates the relay which may be connected to any audible or visible alarm signal. After relay has been tripped alarm continues and can only be silenced by possessor of key to the pick-proof lock switch which is on the Receiver. Standard and DeLuxe models are the same in appearance but the DeLuxe model is more sensitive. When installed so that 90% of the light reaching the receiver is that projected by the light source K15675 has a range of 50 feet and K15559 a range of 100 feet. Dimensions and other specifications as above.

K15675—Model 801AC Burglar Alarm System for 110V. 60 cycles AC. Shpg. wt. 10 lbs.

Your Cost.

K15659—Model 501AC DeLuxe Burglar System for 110V.

K15659-Model 501AC DeLuxe Burglar System for 110V. 60 cycles

\$50.27 AC. Shpg. wt. 10 lbs. Your Cost

WORNER "Announcer"

Just the the mer-chant who keeps his store door open durall mmer.



This simple, easily installed, system gives a pleasant warning signal each time a customer enters through the doorway. Also used in offices to warn of the approach of unauthorized persons. Incorporates both light source and photocell in a single unit. Separate virtue reflects light from opposite

Focusing Mirror



Makes it possible to reflect light criss-cross from one wall to another. Works with invisible and visible Works with invisible and visible light. No loss of distance by glass absorption. Fully adjustable brackets. Size: 18x4x2½". Shpg. wt. 4 lbs.
K15677—Your Cost. \$3.38

Photoelectric Control Book



Explains operating principles, applications, etc., of photocells. Tells how to furnish information for ordering equip-ment. 40 pages. Many illustra-

K15657—Your Cost....29c

EBY Photocell Kit



Includes all necessary parts to make up various control circuits. Employs EBY Cell, super-sensitive relay, tube, etc. EBY Electric Eye Handbook in-

find book included. For 115 V. 60 cycle operation. Chassis drilled and punched. Shpg. wt. 3 lbs. K14185-EK-12A \$10.29



EBY Photo-Cell

As used in above units. Fits 4-prong socket. Requires 150-250 volts. 1½" dia. x ¾" h. E-12 K14170—Your Cost. \$2.65



EBY Sensitive Relays

Forall work requiring a highly sensitive relay.
Contacts handle 110
v. AC at 2.5 amp. or
110 v. DC at 1.5 amp.
1000 ohm coil...\$5.00

K14177— 2500 ohm coil K14178— 5000 ohm coil K14179—10,000 ohm coil

Electric Eye Handbook



New #41 edition covering theory and practice. Covers industrial and amateur applications.

K20016- 44°

Photo-Electric **ELECTRONIC** CONTROL ates from a Light Beam 8 * For use in alarm systems. * Excellent for Industrial use.

An exceptionally well made unit ideally suited for use in all types of alarm systems such as anti-sabotage, blackout, burglary protection, etc. Unusually sensitive it will work with a minimum of 2 foot-candles of illumination. Has automatic compensation for slow variations of light intensity. Provides momentary relay contact with automatic reset (manual or electrical reset relay may be used in addition to provide continuous contact until released). Complete instructions furnished. Sold complete with 925, 6SF5, 6SQ7 and 6L6 tubes. Size: 12x4½x6½ high.

high.
K17194—RCA #41904 Electronic Control with tubes.
Shpg. wt. 61/2 lbs. Your Cost.

RCA Capacity-Operated ELECTRONIC CONTROL

Employs no light source yet operates instantly at the approach of any human or animal. Ideal for protecting safes, children's cribs, counting livestock, etc. Industrial plants will find it ideal for protecting machinery from tampering when the plant is closed at night. Protects area within several feet from the control in all directions at once. Operates from any 110V. 60 cycle AC power line outlet. Sold complete with 68Q7, 6F8G, VR-150-30 and 6X5 tubes. Size and relay specifications as above.

K17193—RCA #41908 Capacity-operated Control. Shpg. wt. 6½ lbs. Your Cost K14142—Electrically reset locking type relay (D.P.D.T.) for use with either model RCA Electronic Control. Wt. 2 ibs. Each.........\$3.10

Write for Free Descriptive Bulletins on the Above Controls.

NOTE

We can supply Worner Industrial photo electric equipment that will observe, announce, record or control many different applications such as burglar alarms, smoke alarms, graders, control feeders for assembly lines, safeguard machine operators, etc. We can supply on order units for Anti-Sabotage, Plant Protection and Blackout Control. Write for engineering bulletins on any of the above equipment you need. Quotations on special equipment will be made promptly (give as much detail and specify purpose of equipment when ordering).



WESTON **PhotronicCell**

Current varies with light inten-

with light intensity from 1½ microampere on 1½ microampere on 1 foot candle to approximately 5 miliamperes in daylight. Bakelite case 2½" in diameter and 1" thick. Has multitude of uses for research, the state of the case 2½" in the case 2½ photography, relay work, etc., etc., thas found numerous uses in industrial work, machine application and light measurement. Shpg. wt. 1 lb.

K14139-Type 594GB \$7.50

PHONOGRAPH EQUIPMENT

Build-Your-Own **Record Player Kit**



Complete Outfit Motor, Turntable Crystal Pickup

It's fun to build your own all-electric record player with this essential parts kit—and you'll save money doing it! Can be mounted in a console cabinet with your present radio. It's so simple to put together that anyone can do it in jig-time! Kit consists of: (1) Constant speed (78 rpm) rim-drive motor with 9-inch flocked turntable, for 110 volts, 60 cycles a.c. only, self-starting type; (2) Offset head latest type crystal pick-up with excellent response characteristics. Arm is 9" long; unit plays all 10" and 12" records. Shpg. wt. 5 lbs. K690-Your Cost

\$5.99

Record Player "Mystery Oscillator

Converts your record player into a "mystery" player—to play through your radio. Uses 6A7 and 76 tubes. Tunes 1590 to 1600 kc. Metal chassis 5½ x8x1½". Sh K10587—Less Tubes. Your Cost ...



\$2.40

Webster "AJ-1" Light-Weight Crystal Pickup

Precisely bal-anced pickup with semi-permanent precious-alloy needle. Practically no record wear or needle changing. Streamlined bakelite arm. 40 grams pressure.

.5 V. output. Wt. 1 l K427—Model AJ-1 \$3.82

RCA Rubber Pickup **Dampers**

No. 2620—For magnetic phono pickups. Fresh live rubber. K253— Per Set

Needle Cups

Antique bronze finish. 1 1/4" diameter. K130—Open

K131—Closed 8c

MARVEL Twin Phones

K20182-No. 6 Dry Cells. Ea. 33c

Cactus Needle Sharpener

Record Changer Cabinet

Designed to automatic record chang-ers or single record player units. Sturdily con-structed with solid walnut bed finish. Top lid has



Top lid has strong hinge. Overall size: 16½", wide, 16½" deep and 11½" high (with lid closed). Motor board area 15½x15½", with 6" space above panel and 4½" below panel. Will house any of the automatic record changers listed on page 26. (except K22387, K22388). Shpg. wt. 18 lbs.

K22359—Cabinet only, with blank motor panel.
Your \$10.25

Record Player Switch

A complete unit consisting A complete unit consisting of a panel-mounted switch and jack complete with cables, suppression condensers and resistor. Easy to install. Wt. 1½ lbs. K22006-Your Cost.





ICA Hand Mike

A popular style hand mike for use with any radio set. Has appearance of crystal type mike. "On-off" switch mounted on handle. Furnished with 10-ft, tipped cord and consector plug. Complete with instructions. K13378—\$1.72

PHILMORE Hand Microphone

A real hand microphone. Works with any set using a loud-speaker. Does not interfere with reception. Switch on real hand microphone. handle permits recep-tion or use of mike at will. Finished in chrome plate and black lacquer K13831—Your Cost. 986

Jr. Mike

Easy to attach to any radio, and it works. In brown finished metal case with attachment cord. Has a push switch to cut radio out

whenever desired. Shpg. wt. 1 lb. K13379— 59°

> For connection between any single-button carbon mike and radio set. In-creases sensitivity and

Phono Motor Lubricant and Grease

Mike Booster

For all phono motors, record changers, automatic tuners, etc.

Lubricant Grease
No. Oz. Each No. Oz. Each
K15194 2 21c K15200 2 21c
K15195 6 44c K15201 4 29c

Permanic Mike

Uniquely differ-ent, yet care-fully made mov-



Philmore DYNA-MIKE

A new type of mike employing a unit similar to a PM dynamic speaker. Combines high sensitivity with freedom from acoustic feedback due to its unidirectional charac-teristics. It is an ex-cellent mike for use with most types of home recorders, wire-

PA amplifiers, etc. Equipped with 9-ft. cord fitted with pin tips. Full Instructions. Shpg. wt. 3 lbs.

K13437— Your Cost..... \$3.10



Lafayette

Cactus Needle Sharpener



A new and improved type of needle sharpener that makes a smooth accurately shaped point on cactus or thorn needles. Has record brush. Wt. 1 lb. K274—Your Cost. 95°

Stroboscopic Speed Checker

Placed on turntable and illuminated with a bulb (AC) indicates correct speed at 78 or 33 1/3 r.p.m. K197—Each. 12°



Grid-Cap Phono Adapter

Permit quick and convenient connection of phono pick-ups to grid cap of detector or first audio tubes. Clips for connec-



K11643—For Glass Tubes K11644—For Metal Tubes Your Cost Each

Phono-Mike Adapters With Switch

For connecting record players or mikes (hi-imp.) to radio sets that do not have phono-mike terminals.

Includes a shielded switch for chang-ing from phono to radio. Instruc-

K11608—For 6-prong tubes (42, 43, 48, etc.). K11609—For metal tubes (6B8, 6C5,

Ki1609—For metal tubes to Bo, Oco, 6F6, etc.) used as first audio.
Ki1610—For screen grid detectors (24A, 35, 57, 6C6, 6D6, etc.). Not plug-in. Cap fits on tube.
Ki1617—Grid-cap adapter for metal or "GT" tubes (6J7, 6R7, 6K7,

Peter Grey Needle Pointer

Famous "Kacti"
needle pointer for
sharpening cactus
needles. Well made
and easy to use.
Fitted with record
brush. Beautifully
packed—an excellent gift. Wt. 2 lbs.
K293—
Your Cost.
K271—Garnet disc.
10 For.

K260-Your Cost.



A clever device that utilizes your own phono turntable to

provide the m o t i v e power. Pro-

89°

Greythorne Thorn Needle Sharpener

A deluxe sharpen-

A deluxe sharpener for all thorn needles. Properly "angeled" to provide the right type of point for best tone quality and maximum life. Attractively finished in nickel and bright red plastic. Comes complete with an efficiency of the red plastic.

isned in nicket and originate red piastric. Comes complete with an efficient plush record brush. K270—Wt. 2 lbs. \$1.30

K270—Wt. 2 lbs. \$1.30

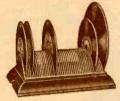
K259—Replacement discs.

Each. 12c 10 For. \$1.08



HONOGRAPH EQUIPMENT

DeLuxe Record Rack



Beautifully finished heavy base. Covered-wire record support frame.
Holds 50 records. Comes complete with numbered stickers for records and an index card. Shpg. wt. 5 lbs. \$1.95 Each.....

Metal Base Model

Similar to the above but with a base made of pressed steel. Practically unbreakable. Shpg. wt. 3 \$1.45 K21897—Each....



Economy Record Rack

A low priced rack that is unusually sturdy and very efficient. Provides space for 50 10" or 12" records. Fabric covered heavy wire separators with distinctive color on each fifth one. Separate imprinted card index. Shgs. wt. 3 lbs.

K21898—Your Cost.... 99°

Record Groove Analyzer



A simple, easy-to-use instrument incorporating a powerful, corrected magnifying lens and illuminating system which reveals record grooves battery. Your Cost.....

Phono Pickup Connecting Cable

Belden No. 8481 shielded cable with overall cotton braid. Especi-ally designed for use with phono pickups. .160° diam. Cap. 55

K20848—100 ft. for \$2.00 Your Cost per Foot....

Lafayette

Record Carrying Cases

provide the best protection you can give your records. Strong ply-wood case covered with attrac-



with attractive, durable, black fabrikoid.
Sturdy, comfortable carrying handle. Strong hardware. Complete with lock and key. Neatly lined with heavy felt. Shpg. wt. 4 lbs. each. K22345—Holds 50 ten-inch rec-

\$2.50 ecorde \$2.85 Your Cost

Cafayette Record Lubricants

RENEWER: For acetate records. Cleans, lubricates and protects. Thin film of lubricant reduces friction. Hardens and t reduces iriction. 1121 356 serves acetate records. 356 K399-2-ounce bottle.

RECORD-EASE: Applied to re-cording blank before cutting it makes the shavings fluffy and re-

duces cutting friction. K424—2-oz. bottle Your Cost

Phono Tip Plug ATC



Phono Tip Jack



For use with above. Bakelite and metal base. Easily mount-K11774-Each 8c

NOTE:

Don't miss our Special Record Offer on page 24! See page 52 for text books on Home Recording!

NEEDLE SETSCREWS FOR PHONO PICKUPS & RECORDER HEADS

Needle set screws (thumbscrew and slotted head) for all popular phono pickups and recording heads. Specially made and thoroughly hardened. Kit of ten assorted types is especially handy for all service shops since it includes all popular types.

K13981—Servicemen's Kit of 10 assorted. Special....



K13982 K13984

-Servicemen's Kit of 10 assorted. Special .-for Shure Bros. \$30-132.
-for Astatic \$3258, D-9, O-7, SL8; RCA \$37045;
Webster Electric \$P9564-1, 79, 80, 81, 82 series;
Astatic \$4258, 294, M41 and C-42 cutting heads.
-for Astatic \$3207, 3205, B10, S16, AB8M, S8, S12;
Stromberg Carlson SD-64, SD149; Universal \$3207;
Webster 26A2108 pickups.
-for Rek-O-Kut Recorder cutters MG625, 8S; and
Webster Co. 26A2142 pickup.
-for RCA \$33974, 3811, 38529, 31160, 12539; Stromberg-Carlson SD119 and 17464.
-for Webster Electric P4819-2, 40, 76, 78 series.
-for Shure Bros. No. 30-76.
-for Astatic \$3530 (slotted head), FL-48 changers.

K13985-K13988-

K13990 for Astatic #3530 (slotted head), FL-48 changers

Any

10" & 12" Record Albums

SYMPHONIC Record Album. A beautiful album for use with the new "bleached" and "wheat" finished cabinets. Covered with first quality fabrokoid resembling fines addle leather in color. Padded covers and fine gold leaf tooling on the back make this a truly luxurious Patented construction allows it to lie absolutely flat when opened. Shpg. wt. 3

| lbs. each. | Stock No. | Record Size | No. | Pockets | Each | K20200 | 10" | 12 | \$1.89 K 20201

Flat Back Album. A loose-leaf album with stiff leatherette-covered covers. Opens flat due to a unique type of construction. Offered at unusually low prices these albums are exceptionally fine values. Shpg. wt. 2 lbs. each. Stock No. Size Pockets Each Size K 21891



DeLuxe "Curved Back" Album. DeLuxe "Curved Back" Album. A fine losseleaf album beautifully bound in rich dark Fabrikoid. Gold embossed decorations add to its attractiveness. It concretely the second of the second its attractiveness. It opens flat to permit easy insertion and removal of records. Sturdy construction assures maximum protection for

Stock No. K21892 K21893	Size 10" 12"	Pockets 12 12	99c \$1.15



Superior Quality Loose-Leaf Albums. Flat opening type with three rings for holding loose-leaf type pockets. All-steel back. Overall covering of heavy Fabrikoid. Gold embossed Gothic design on back. Beautiful in appearance and ususually sturdy in construction it is a truly superior album in every way. Both 10" and 12" sizes have 15 pockets. Shpg. wt. 3 lbs. each.

Stock No. K21888 K21889	Size 10" 12"	Pockets 15 15	\$1.29 1,39



Economy Record Albums. Never before have you been offered a quality record album with pockets for TWELVE records at this astoundingly low price. Well made, finished in brown. Index on inside front cover. You save still more by buying in lots of six at a time. Our stock is limited so order now!

Shpg. wt. 2 lbs. each.
Stock No. Size Pockets
K21886 10" 12
K21887 12" 12 48c 60c \$2.58 LIMITED QUANTITY-ORDER NOW!



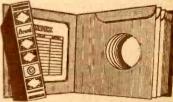
"VUE-DEX" Record Albums. The album with the visible index! Something really new and highly practical! A handy index made of washable LUMARITH on the back of the binding keeps all titles in full view. Titles are easily changed by merely erasing or washing off the old one! Two very attractive types of covering are available. A rich reddishorown simulated* alligator is ideal for mahogany and other dark colored cabinets. A simulated* natural pigskin is just the thing for bleached and light colored cabinets. Wt. 2 lbs. "Alligator "Pigskin Size" Pockets Each

*Pigskin Size K20205 10" K20206 12" *Alligator K20202 K20203 Pockets Each



New!

"Protect-O-Flap" Record **Albums**



If you have had the harrowing experience of having one of your favorite and most valuable records slipping out of the album accidentally, then you'll really appreciate this new type of album. A protective flap on each individual envelope prevents just such accidents as this and in addition helps to keep dust and dirt off your records. Each pocket is made of extra-heavy extra-durable paper that will outlast many of the

usual pockets found in other	albums. The	mahogany color	cover is
usual pockets found in other beautifully embossed. Stock No. Size K20207 10" K20208 12"	Pockets 12 12	Shpg. wt. 2 lbs. 2 lbs.	Each \$1.10 1.29

HOME ELECTRIC RECORD-PLAYERS

With Built-In Amplifier and Speaker

- Fine Crystal Pick-up
- Self-Starting Motor
- Special "Lifetime" Needle
- Tone Control

Self-contained electric phono record players requiring no connections other than to 110 volt 60 cycle a.c. line. Incorporate a fine 3-tube amplifier employing a Beam power tube that feeds into an efficient 6" dynamic speaker. Includes Tone Control, volume control and switch and a jeweled pilot light indicator. Separate motor switch on panel. Has self-starting motor and featherweight CRYSTAL pickup provided with a Special "Lifetime" Needle. Plays 10" and 12" records with top closed. TABLE MODEL: (top). In beautiful Walnut table cabinet 14½" wide, 10½" deep and 8" high. Shpg. wt. 25 lbs.

\$24.50

PORTABLE MODEL: (bottom). In simulated alligator, legiber covered

PORTABLE MODEL: (bottom). In simulated alligator feather covered carrying case with sturdy carrying handle. Nickeled snap locks, 8" high, 1414" wide, 1734" deep. Shpg. wt. 15 lbs.

\$21.75



"Mystery" Wireless Record Player

(Top). Plays through your present radio WITHOUT ANY CONNECTIONS. Just plug into any 110 volt 60 cycle a.c. line, and any 10" or 12" records can be played through your receiver. Has 78 r.p.m. constant speed rim-driven motor with 9" flocked turntable. Automatic stop switch. Lightweight CRYSTAL pickup for fine response. Microphone jack for toy mike permits you to talk through your radio (mike not supplied). Volume control and "on-off" switch and needle cup on panel. Walnut case 131/4x121/2x41/2". Shpg. wt. 10 lbs.

K22383—
YOUR COST COMPLETE.

\$14.50

Automatic Record Changer With Built-In Amplifier and Speaker

(Below). Housed in fine walnut cabinet with top cover. Changer plays fourteen 10" or ten 12" records in sequence, without interruption. Records can be rejected; last record repeats until motor is turned off. Constant speed rim-driven motor with 9" flocked turntable. Incorporates "Lifetime" needle and lightweight CRYSTAL Pickup. Three tube high gain amplifier provides ample volume. Has volume control and switch and a variable Tone Control. Matched 6½" speaker. Size: 15½" wide, 12" high, 16¾" deep. For 110 v., 60 cycles A.C. Shpg. wt. 32 lbs.



For Connection To Any Radio Receiver

- With Tangent-Arm CRYSTAL Pick-Up
- Has Efficient "Lifetime" Needle

These excellent record players are designed to operate through your present radio receiver—and there are only two simple connections to make to place them in operation, Each unit incorporates a powerful rim-driven self-starting motor (78 r.p.m.) and has a 9" flocked turntable. The latest type tangent arm CRYSTAL pickup is employed for fine response. An automatic stop switch shuts off the motor after the record has been played. Special "Lifetime" needle eliminates the need for constant needle changing. Has combined volume control and "on-off" switch and separate motor switch. A jeweled pilot light indicator shows when motor is on, Pickup cable is shielded. Both types accommodate 10" or 12" records. Operate on 110 volts, 60 cycles a.c. only.

DELUXE MODEL: (top), in streamlined grained walnut cabinet with top cover. With instructions. Plays 12" records with 11d closed. Overall size: 6/4" high, 15" wide, 14%" deep. Shpg. wt. 12 lbs.

 K22351 \$17.95

 YOUR COST
 \$17.95

 STANDARD MODEL: (bottom). Like the above, but walnut case has no top lid. Size: 61/4" high, 12½" wide, 11" deep. Shpg. wt. 9 tbs.

 K22350 \$12.95

 YOUR COST
 \$12.95



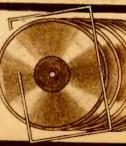


Special 10" Record Assortment!

An unusual offer of world-famous popular classics, vocals and instrumentals — all BRAND NEW, electrically recorded on two sides. Many by reknowned symphony orchestras. Every owner of a phonograph should take this opportunity to enlarge his record library—at a fraction of the regular cost. The ten and thirty record assortments are made up and packaged by the manufacturer—we ship them exactly as received. You can't go wrong at the low prices quoted!

TEN 10" Records
Our assortment. (20 sides).
Shog. wt. 5 lbs.
K109-SPECIAL.
\$1.89

THIRTY 10" Records





LAFAYETTE Dual-Speed

"Radio-Record Player-Recorder" ★ 2-Channel Input With Mixer
★ Built-in Aprial For Paris Built-in Aerial For Radio

Combines a broadcast-band radio, a dual-speed record player and a dual-speed recorder. Makes recordings from one or two mikes, the radio alone or with one mike, or from one or

with one mike, or from one or with one mike, or from one or with one mike, or from one or either 78 or 33 r.p.m. Built-in 2-channel mixer provides complete control over each channel. May also be used as a public address system with its built-in or an external speaker. Receiver employs 1-65A7, 1-65F7, 1-65C7, 1-6V6GT and 1-5W4GT rectifier. Two 6J7 pre-amplifiers are used for the controls include: Tone and On-Off Switch; Radio Tuning; Master Switch; Left Hand Volume Control for Radio Volume, Right Hand Mike Input; Right Hand Volume Control for Radio Volume, Right Hand Mike Volume and Phono Volume; High and Low Gain microphone switch. Case is 20x19/2x9/2" deep. Covered with Airplane Cloth. For 110 V. 50/60 cycles AC operation. Complete with tubes and one mike. Shpg. wt. Dual-Speed 50 lbs., Single Speed 30 lbs. \$88.20 K22541-Dual Speed Model. YOUR COST.

SPEAK-O-PHONE

Model 88-C Portable Recorder **→** With 8" Jensen Speaker

A recorder and record player complete in every detail. Includes an amplifilier, speaker, microplone, desk type stand, motor, turn table and associate mechanism. The amplification employing 7F7, 6V6 and 5Y3 type tubes. Frequency range is up to 6,000 c.p.s. Power output is 5 watts. Frequency compensation provided for slow speed operation. Dual speed operation enables one to





Rek-O-Cut Recording Mechanisms

Now you can build your own high quality professional recorder with these precision components. The standard Rek-O-Kut Recording Mechanisms are all designed for 100 line per inch outside-in recording, Incorporate a newly developed patented chip collector. Simple lever arrangement for lowering and raising cutting head without removing carriage feed from the feedscrew. Operator can make a spiral cut at start and end of recording. Shpg. Wts.: 12"-8 lbs.; 16"-11 lbs.

For 12" Records

K22493-With	8-ohm magnetic cutter	\$42.50
#22494_With	500-ohm magnetic cutter.	542.5 0
#22495With	crystal cutter	944.DU
K22496-With	Brush RC20 crystal cutter.	\$53.00

For 16" Records

K22497—With 8-ohm magnetic cutter. \$51.50 K22498—With 500-ohm magnetic cutter. \$51.50 K22499—With Brush RC20 crystal cutter. \$61.50



G-I Home Recording Unit

Crystal Cutting Head Crystal Piayback Pickup

A very reasonably priced combination recording and playback unit ready to install into your own phono-radio cabinet or portable carrying case. It will cut coated type (acetate, nitrate, etc.) discs up to 10" in diameter. Plays back discs or commercial records up to 12" in diameter. Consists of a 10" weighted and balanced turntable, a factory adjusted cutting head, a tangent arm lightweight crystal playback pickup and a constant speed (78 r.p.m.) motor for 110V 60 cycles AC only. All components are mounted on a base plate 15" wide and 10" deep ready for installation in a cabinet. Complete installation and operation instructions are included. It is easily connected to most up-ta-date radio receivers. Shpg. wt. complete, 15 lbs. **K22535**2 K22535YOUR COST.....\$19.95





REK-O-KUT Recording Motors

A professional 12" dual-speed recording motor and turntable at an unusually low price. It can accommodate 16" blanks for play-back. The precision machined cast-iron turntable weighs 12 lbs., is dynamically balanced and fitted with a disappearing drive-pin and rubber turntable pad. The constant speed motor is fitted with a special rotor speed shift arm to provide for either 78 or 33 r.p.m. recording speeds. Entire assembly is on a machined cast-iron mounting base assuring absolute accuracy in alignment. Complete unit is easily mounted.

K22534-Same but single speed......\$37.50

RECORDING HEADS

ASTATIC Crystal Cutters

Heavy die-cast cartridge assemblies. 1½x54x31/4". 24" flexible leads. Shpg. wt. 2 lbs. K13767 – Model X-26. Driving voltage 75 RMS. Useful upper limit 5,000 c.p.s. K13768 – Model X-29. Driving voltage 120 RMS. Useful upper limit 6,500 c.p.s. EITHER TYPE \$6.76 \$6.76



Shavings Container

ings into this container immediately! Black finished metal 3/x3/yx1/y". Self-closing cover. K13762-EACH.

"Brush-Off"

Auto-matic shavings sweepe 0. al

BRUSH Crystal Cutter

Model RC-20: Finest type of crystal recording head made. Frequency response flat within ± 3db. from 50 to 9,000 c.p.s. High operating efficiency makes possible excellent results with low power (approx. 3 watts). Dimensions: 3x29/32x7/16". New improved design. Shp. wt. 2 lbs. K13769—YOUR COST.... \$14.70







W-E Magnetic Cutters

Similar to the R-83 described at left but are housed in special casings to fit all types of professional and semi - professional apparatus. Have standard 11/s" spacing between mig. holes tapped 8-32. Shpg. wt. 2 lbs. K13763—R-84, 8 ohms. K13764—R84G. 500 ohms. EITHER MODEL \$11.76

W-E Magnetic Cutters

W-E Magnetic Cutters have a range from 30 ta 6,000 c.p.s. and require only I watt on commercial and ½ watt on home recording blanks. Distortion is less than 1½% at 400 c.p.s. (% lines per in.) overcutting grooves 20%. Fit most home recorders. Shpg. wt. Z lbs.
K13770-R-83.8 ohms.
K13771-R-83.G.500 ohms.

EACH

Crystal-Cutter

Matches any crystal cutter to a 6 to 8 ohm or 500 ohm line. Response 50 to 9,000 c.p.s. Secondary 3,000 ohms. 3" high x 2½" diameter. Shpg. wt. 3 lbs. K2002-YOUR COST.... \$5.50

Transformer

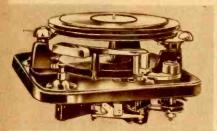


3" Square Monitor Meter

Monitor Meter
Range - 10 to ±7
db. and ±7 to
±25 db. Two additional scales read "under",
"normal" and "overcut". 8
ohm or 500 ohm input. For hiimpedance use above transformer. Shpg. wt. 2 lbs.
K10925YOUR COST.....\$9.75

Automatic RECORD CHANGERS and PHONO MOTORS

WEBSTER-RAULAND Model 5591



DeLuxe Mixer-Changer

One of the finest changers made.
Features a new lightweight pickup employing a lifetime needle that will play that will play thousands of records without appreciable wear. The changer takes a 1/2-inch stack of records (averaging from 15 to

of records (averaging from 15 to 17 records) and plays them automatically in sequence. 10" and 12" records and intermixed in any order. Any record may be rejected at will. Mechanism shuts off after last record has been played. Manual operation is also provided for. Constant speed motor (78 r.p.m.) is cushioned mounted and insulated from the turntable. Operation is smooth and quiet and records are handled very gently. Entire assembly on a die-cast plate 13½x17", 5¾" above plate, 4¾" below. For 110 volts, 60 cycles AC only. Shpg. wt. 30 lbs.

below. For 110 volts, 60 cycles AC only. Shpg. wr. 30 lbs.

K22387YOUR COST

Model 5596: Like above but incorporates a high fidelity cutting head for recording on discs up to 10" diameter. Has positive feed and cuts outside-in. Shpg. wr. 35 lbs.

K22388-YOUR COST

G-I DeLuxe Record Changer





ERWOOD DeLuxe Record Changer



Standard Portable Changer Cose: Ample room for most record changers, record players, recorders, etc. Lock-corner solid wood case covered with rich black fabrikoid covered blank motor board. Inside dim.: 15/2" L, 14/2" D, 9/4" H. Wt. 8 lbs. \$7.06



DeLuxe Portable Changer Case: Solid wood construction with covering of extra fine simulated-alligator fobrikoid. Sewn leather-covered edges. Two nickeled locking snaps with key. Blank, covered motor board. Inside dlm.: 16/2" L, 14" D, 10" H. Wt. 10 lbs. \$10.88

GREEN FLYER Phono Motors



Standard Motors For 110 V., 50/60 Cycles A.C.

Incorporate silent laminated spiral cut bakelite gears completely en-closed and run in oil. Oversized, self-lubricating bearings; will not overheat in closed cabinet. With speed dial, hardware and speed indicator.

K102-Single speed (78 r.p.m.). With 10" turntable. Shpg. wt. 10 YOUR COST.....\$9.63 With 12" turntable. \$10.08 K100-Two-Speed (78 and 33½ r.p.m.). With 10" turntable. Shpg. wt. 13 lbs. \$12.96 K188-As above, with 12" turntable, YOUR COST\$13.41

Heavy Duty 2-Speed Motor Similar to K100 above, but with larger field and rotor (½' longer). With 12' turntable. For 105/120 volts, 60 cycles a.c. Shpg. wt. 16 lbs. YOUR COST \$14.55

Univ. 110 V. AC-DC Motors
With 12" turntable and changeover
switch. For 78 r.p.m. records. Shpg.
wt. 12 lbs.
K126-YOUR COST. \$15.24 As above, but two speed, for 78 and 33 1/3 r.p.m. \$16.77

G-I Model LX

Rim Driven Motor
Made by General Industries. Insulation between motor and mounting plate and motor and curratable for authority of the plate and motor and turntable for authority. The properties of the plate in th

G-I RM4 Recording Motor Constant speed (18 r.p.m.) self-starting motor. Weighted 10" turn-table. Motor insulated from plate and table. Retractable drive pin. Rim driven; pulley, idler and table in one plane. Depth 2-15/16" below plate. 110 volts 60 cycles AC only. Shgg. wt. 13 lbs.

G-I Transcription Motor Green Filyer motor for 16" trans-scriptions. 16" balanced steel turn-table. Self-lubricating bearings. Gears run in oil. Two speeds: 78 and 33% r.p.m. 110 volts 60 cycles AC. Wt. 21 lbs. K22011-EACH....\$18.35 Light-Duty Motor
Model KX: Same as above, but
for light-duty such as: phonorecord players, portables, etc.
With 10" turntable and hardware. Wt, 9 lbs.
K107-YOUR COST \$5.61

GREEN FLYER Replacement Turntables Exact replacements for all models except CX and KX listed above. Accurately centered and balanced. Felt or flocked sur-

K148-10" table. EACH . . \$1.05 K149-12" table. EACH \$1.50

GREEN FLYER

K135-EACH K133-For 12"-table mo-











ALLIANCE "Even-Speed" Phono Motors MODEL 80: Rim-drive phono motor, 9" turntable. Constant speed (78 r.p.m.); self-starting, forced draft air-cooled. For 10" and 12" bearings and helical cut laminoted backlite gears, 110 V. 60 cycles AC only. Wt, 4 lbs.

K176-YOUR COST... \$3.10

K176-YOUR COST... \$4.99

NO NEEDLES and RECORDING DISCS

LONG PLAYING PHONO NEEDLES

FUR CUMMERCIAL RECURDS
(A) Sapphire needle with offset shank for minimum wear and
low scratch level. Shadowgraphed. Play about 2500 sides with-
out need for change.
out need for change. K195—Your Cost Each
(B) Deluxe Fidelitone long-life needle. High fidelity. Plays
2000 standard commercial records; 4000 home recordings. Plat-
inum point. K163—Your Cost Each
K163—Your Cost Each
(C) Lafayette 4000 play needle in plastic case. Low surface
noise, K443—Your Cost Each
(D) Permo Point 2000 play needle with patented precious metal
elliptical point. Standard for coin machines.
elliptical point. Standard for coin machines. K164—Your Cost Each
(E) Fidelitone "Floating Point" needle. Filters record scratch.
3 to 6 months average use (1000 or more sides). Platinum point.
Ideal for changers. 50c K227—Your Cost Each Point and a show but
K227-Your Cost Each
(E) Deluxe Fidelitone Floating Foint needle, As above, but
good for 5000 plays. K478—Your Cost Each. \$1.00
K478—Your Cost Each
CARRUIDE CUTTING NEEDI ES

SAPPHIRE CUTTING NEEDLES
(F) Lapped edge cutter for acetate discs. Precision cut jewel for low surface noise and highest fidelity. Over 5 hours cutting life.
life. \$3.23 (F) Like above, but with Long Shank to fit Presto Professional and Brush cutting heads. \$3.45
(G) Sapphire cutter ground to W.E. specs. For acetate discs. About 10 hours life. Can be resharpened. \$4.25
K196—Your Cost Each

STEEL CUITING NEEDLES
(G) Steel cutter for acetate; individually ground and lapped.
Flattened shank. K439—Package of 3, Your Cost
(M) Stellite cutter for acetate discs. Extremely quiet.
several hundred sides; can be resharpened. \$1.18 K337—Your Cost Each.
(II) Individually polished steel cutter for acetate discs. Will cut
15 to 25 10" discs. K348—Package of 5, Your Cost. (1) Alloy steel cutter for acetate discs. Quiet and longer lasting. Excellent quality.
(I) Alloy steel cutter for acetate discs. Quiet and longer lasting.
W242—Peckage of 5 Your Cost
(1) Alloy cutter for acetate; harder than ateel. I often white they
cut. Hand lapped. K434A—Package of 5, Your Cost
K434B—Package of 10, Your Cost. \$1.79 (1) Permo-Point metal point cutter. Up to 10 hours excellent
k190—Your Cost Each\$1.18
K190—Your Cost Each

New RCA-Victor "One Grand" Needle

High quality semi-permanent needle. Good for 1000 plays.	Min-
imum wear and surface noise. K479—Your Cost Each.	Oc
(1) Cactus Needles: Cause no (J) Greythorn Needles:	Spe-

wear. Eliminatescratch. 28 cial thorn. Ideal for crystal pick-10 Packs For \$2.50 K262—Pkge. of 15 ... 32c

PLAYBACK PHONO NEEDLES FOR STANDARD COMMERCIAL RECORDS

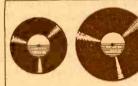
(J) High fidelity shadow tested steel needle. Each good for
10 sides
KAROA Package of 12. Your Cost
10 sides.
(1) RCA steel phonograph needles.
K159—Half Tone (Pkge. of 75) Any Package 10 Packs for
K153—Full Tone (Pkge. of 100)
K160 Evtra Loud (Pkge, of 100)
(1) RCA Chromium needles. Green shank. 10 Packs
(1) RCA Chromium needles. Green shank. 25c 10 Packs \$1.80
(II) DOA Thumantone peoples
K157—Extra Loud (Pkge. of 8) K158—Full Tone (Pkge. of 8) Loud (Pkge. of 8) Loud (Pkge. of 8) Loud (Pkge. of 8)
K158—Full Tone (Pkge. of 8)
(1) Falahatta Cilipitia biacca ingiligani) praga
needles. Good for 15 plays each. K440—Package of 6, Your Cost. Good for 12 plays
MAAN Desirance of 6 Voter Cost
each. K432—Package of 100, Your Cost
K432-Package of 100, Your Cost
(J) Automatic Record Changer needles. Each good for 10 sides.
10 Packages for
K193—Package of 10 Good for 10.15
(K) Hi-Fi needles for automatic record changers. Good for 10-15
plays each.
plays each. K146—Package of 30, Your Cost (K) RCA Red Seal needles, designed to play back Red Seal
(K) RCA Red Seal needles, designed to play back Red Seal
records. 10 Packages for. \$1.50 20c K141—Package of 50, Your Cost.
M141—Package of bo, rour cost

PLAYBACK NEEDLES FOR HOME RECORDINGS

(M) Sapphire point needle for home recordings only. Fine high
frequency response. 6000 perfect plays with almost no record
wear. K429—Your Cost Each. K127—Transcription steel needle for acctate discs. Individually
K429-Your Cost Each
(J) Transcription steel needle for acetate discs. Individually
shadow tested.
shadow tested. K480—Package of 10, Your Cost
K300—Package of 75, Your Cost
(J) Transcription metal alloy needle. Long life, high-fidelity.
Somi-normanent self-lubricating point. 40 to 50 nours on stand-
ard records, longer on home rec.
ard records, longer on home rec. 69° K286—Your Cost Each
(1) Red shank steel needles for acetate recordings. Individually
shadow tested. K433—Package of 100, Your Cost
K433—Package of 100, Your Cost

GENERAL PURPOSE PLAYBACK NEEDLES

GENERAL I OIL OOL I TOTAL
For playing either home recording discs of standard commercial
records (Victor Decca, Columbia, Bluepird, etc.).
(1) Transcription steel needle. Shadow tested. Fine response,
little wear. Play 5 to 10 records.
little wear. Play 5 to 10 records. K346—Package of 12, Your Cost
K347—Package of 35, Your Cost
K319—Package of 100, Your Cost
(K) Filter point highly polished surgical steel needle. Shadow
(K) Filter point nightly polished sulgital steel needle.
tested. Low surface noise. 10-15 plays. K209—Package of 12, Your Cost
K209—Package of 12, Your Cost
K222—Package of 85, Your Cost
K226—Package of 200, Your Cost
(L) Sapphire Playback—Special Value! Permanent needle—
plays 2000 commercial records with minimum wear. Excellent
frequency characteristics.
frequency characteristics. \$1.15







RECORDING DISCS **FOR EVERY PURPOSE**

We have listed below the most popular types of home recording discs available today. Complete stocks are maintained in all our branches to insure speedy delivery. Rapid turnover insures delivery of fresh stock. Buy in constitute to effect overse asyless. quantities to effect extra savings.

RECORDISC Blanks

A line of good quality, reasonably priced recording discs. All are non-inflammable.

Steel Alloy Base

Green label. Double sided. Coated on heavy alloy steel. Average 200 plays per side. Low noise level.

Underw	riters :	B P	orc	٧c	e	d.			
Stock						1			ost
No.									1_
K11972	61/2	" .							17
K11973	8".								230
K11974	10".			. ,			 		334
	D		. 1	D	_				

rellow label. Coated both si	
tempered flexible board base	. Light
weight, low cost.	
K11969-SIX 61/2" Discs	50c
K11970—SIX 8" Discs	
M41071 CIV 10" Diggs	\$1.20

Wilcox-Gay Recordio Discs

Lightweight, flexible discs for use with home recorders. Non-inflammable. Excellent recording quality. Coated both sides. Each has label each side.

K11979—SIX 6½" Discs ... 60c K11980—SIX 8" Discs. . \$1.00 K11981—SIX 10" Discs. \$1.50

Blue Label Steel Discs

High quality recording blanks coated both sides on heavy gauge steel base. Suitable for all types of home recording. Labeled.

7	Stock		Each	Lach
1	Stock No.	Size	1 to 24	25 Up
	K11982	6"	20c	18c
4	K11983	8"	27c	24c
1	K11982 K11983 K11984	10"	37c	33c

Home Recording Discs

For home recorders. Excellent quality, low noise level. Non-inflammable. May be cut with a sapphire needle. Labeled.

Stock No.	Dia.	Pkge.	Your Cost Per Pkge.
K11951	614"	6	75c
K11952 K11953	10"	3	55c 75c

Record Mailing Folders

Heavy duty mailing folders with lining of high test corrugated board. May be sent with safety via Parcel Post or Express. Not for glass base discs.

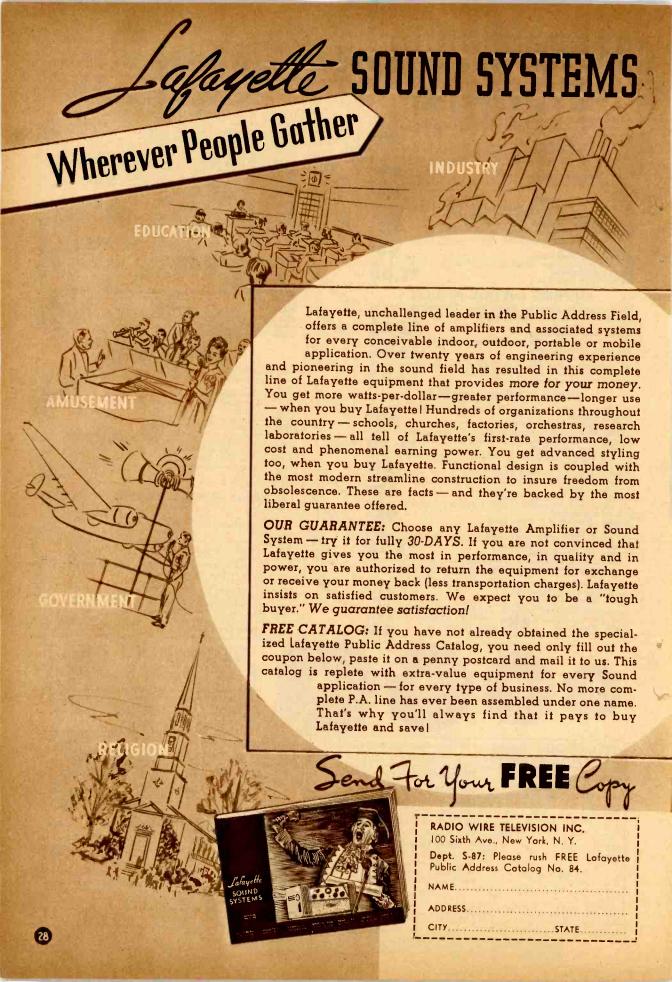
K20270—For 6½" Discs. Ea. 3½c K20271—For 8" Discs. Ea. 4½c K20272—For 10" Discs. Ea. 5½c K20273—For 12" Discs. Ea. 7½c

LAFAYETTE Glass Base Recording Blanks

Professional quality blanks having a perfectly uniform coating of the highest grade nitrate on smooth glass base. Surfaces are smooth and flat, permitting the operator to make recordings of outstanding

merit. K11986—10" Size Each	72°
In lots of 12, Lach	
K11987—12" Size Each	

Gummed Record Labels Neatly printed. Have spaces for title, date and name of recorder. Fit all discs; adhere firmly. 25c K431—Package of 50....25c



AUDAX Microdyne



Models D-27E, D-31E and D-38H

Models D-ZIE, D-31E and D-38H
New relay-action principle places resonance of
moving system beyond audibility, eliminating
harsh peaks. Exciter inertia several hundred
times less than in ordinary pickups. The ideal
of the music lover.

DZIE: flat within ±8 db to approx. 6600 cycles.
Rising bass curve to about 9 db at 50 cycles.
Rising bass curve to about 9 db at 50 cycles.
134-0z. tip pressure. Brown and gold finish.
124 ng. High impedance.
K13403—Shpg. wt. 1½ lbs.
\$11.60

your Cost.

D-31E: flat within ±2½ db to approx. 7000 cycles. Rising bass curve to about 9 db at 50 cycles. Other characteristics same as above.

**16.17*

Your Cost.**

**16.17*



BRUSH Crystal PICKUPS

Model PL-20: By eliminating the usual needle chuck and set screw and employing a very small permanent, polished sapphire stylus instead of the conventional needle, the mechanical impedance of the vibratory system has been brought to a very low value. Response is virtually flat (within ±2 db) up to approximately 6,000 c.p.s. with a very slightly rising characteristic to 10,000 c.p.s. Will drive a conventional two-stage amplifier. 14" overall. Taupe and bronze finish. For up to 16" records. With equalizer. Shpg. wt. 8 lbs. K13462—Model PL-20
Your Cost.
Model PL-25: Essentially the same as the above but for up to 12" records. Bakelite arm 10½" overall. 1-oz. pressure. Less equalizer. Shpg. wt. 7 lbs.
K13464—Your Cost.

\$19.40
\$11474—Your Cost.
\$1,47

New SHURE "HI-Lo" PICKUPS



High (1.4 V.) output combined with low (1-oz.) weight make this one of the finest pickups at its price! Available with or without permanent sapphire needle. Response 60-7000 cycles. 85% arm for up to 12" records. Mahogany color plastic. Bimorph crystal. Shpg. wt. 9 ozs. K13415—Model 97AN with sapphire permanent needle (set screw mounted).

Your Cost

**Your Co with set and thumb screws.

Your Cost.

K13426—Model 95A same as 97A but 2-oz.
pressure and 3-volt output. Your Cost. \$3.23

Replacement Cartridges—Model 97AN use

W42AN, 97A use W42A, 95A use W40A.



WEBSTER Crystal PICKUPS

Excellent design and performance. Balanced to track at less than 2-ozs. Range 40 to 8500 c.p.s. For up to 12" records. Brown finish. Shpg. wt. 3 lbs.

K523—Model AE-10. With natural sapphire needle. Hi-impedance.

K529—Same as above but less needle. \$3.23 K530—Series "80". Response 50-7000 c.p.s. Your Cost. \$2.01



Model FP-18: new low-pressure (1 ounce) pickup of completely new design. Has a protected permanent sapphire stylus eliminating the need for needle changing. Reduced weight vibrating system combined with torque wire coupling results in an absolute minimum of record wear, noise and wave form distortion. 9" curved offset arm for up to 12" records. Statuary bronze finish. Shpg. wt. 2 lbs. K223—Standard Model FP-18. Range 30 to 7000 c.p.s.

Statuary bronze finish. Shpg. wt. 2 lbs.
K223—Standard Model FP-18. Range 30
to 7000 c.p.s.
K239—General Use Model FP-8. Range 30
to 5000 c.p.s. (for commercial records).
K230—High Fidelity Model FP-38. Range 30 to 10,000 c.p.s.
Any Model Above, Each
Replacement Crystals
K13963—For FP-8
K13964—For FP-18
K13964—For FP-18
K13962—For FP-8



TRU-TAN: popular offset-head model used in many broadcast and recording stu-dios. Faithful reproduction with minimum needle scratch. Head turns to permit top load-ing of needles. Black and Head turns to permit top loading of needles. Black and chrome finish.

K172—Model B-10. 10" arm for records up to 12". Shpg. wt. 8 lbs.

\$10.29

K173—Model B-16. 12" arm for records up to 16". Shpg. wt. 4 lbs.

Your Cost. 13.23

Your Cost. 52.94

Model 5-8: Lightweight straight arm type with ball bearing mount. Fine response. K161-5-8. For up to 12 records. 8" arm. Shpg. vt. 8 lbs. Your Cost. \$5.88 Vour Cost. \$5.88

K140—Replacement crystal for Model S-8.

Model 0-7: a moderately-priced offset-head pickup with fine fidelity and minimum tracking error. Axial cushioning reduces motor noise and feedback. Needle pressure only 2% ozs. 9" arm. Black and chrome finish. Wt. 2 lbs. K214— Your Cost. \$3.82 K233—Replacement crystal for Model 0-7. Your Cost. \$2.94 Model D-9: special low-priced model. Offset-head. 2% oz. needle pressure. 9" arm. Shpg. wt. 3 lbs. K232—Your Cost. \$2.91

CRYSTAL PICKUP REPLACEMENT CARTRIDGES



A comprehensive lineup of replacement cartification in the standard makes of crystal pickups as recommended by the manufacturers.

Each and every cartridge is precision made and individually tested for rated frequency response and output voltage.

				or Lightweight Pickups				
CA - ala NY -	. Make	Model	Туре	Description	Size :	Pressure	Output	Each
Stock No	Astatic	LP-6	A	*Flat 2-hole mount	21/2×3/4"	1-oz.	.85V.	\$4.70
K13963		LP-21	A	*Flat 2-hole mount	21/2x 3/4"	1-oz.	.85V.	4.70
K13964	Astatic	L-40	P	Flat 2-hole mount	236x3/4"			2.35
K13965	Astatic		B	*Flat 2-hole mount	21/x1/4"	1-oz.	.5V.	2.35
K13966	Webster	N-1	B	Flat 2-hole mount	21/21/4"	1-oz.	1.4V.	2.35
K13968	Shure	W42A	B	*Flat 2-hole mount	236x %"		1.4V.	2.94
K13969	Shure	W42AN		Side hole mount	21/x 1/8"	1-oz.	.7V.	2.70
K13970	Webster	X81CH	D		21/x x 3/8"	1-oz.	.7V.	3.44
K13971	Webster	X81CN	D	*Side hole mount	2 1/x 1/2"		.7V.	2.32
K13972	Webster	X82CH	В	Flat 2-hole mount	474×74	1-04.		
				For Standard Pickups		00/	0.531	2.04
K13407	Astatic	B-1	D	Lugs-bakelite case	21/4×1/4"	23/4-oz.		2.94
K13406	Astatic	B-2	D	Screw terminals	21/4×1/4"	234-oz.		2.94
K13408	Astatic	B-8	D	Plug-in. Bakelite case	21/4×1/4"	284-02.		2.94
K140	Astatic	B-4	D	3" leads. Bakelite case	21/4×1/4"	2%-oz.		2.94
K13973	Astatic	L-26	В	Flat 2-hole mount	21/2×3/4"			2.35
K233	Astatic	M-22	ВВООВО	tFlat 2-hole mount	21/4×1/2"	234-0z.		2.94
K13393	Shure	W20C	D	†For 94, 98, 99, 910B PU's	21/4×1/4"	234-oz.		2.35
K13974	Shure	W27C	D	Universal mount Bake.	21/4×1/4"	2%-oz.	3.0V.	2.94
K13975	Shure	W40A -	B	Flat 2-hole mount	21/2×3/4"	2-oz.	8.0V.	2.35
K540	Webster	X78C	D	Side hole mount	21/8x.62	" 21/2-oz.		2.85
K510	Webster	X79C	Č	Flat 2-hole flange mount		216-oz.	2.2V.	2.12
K13976	Webster	X80C	Č	Flat, 2-hole flange mount	17/8×1"	21/2-oz.	1.8V.	2.12
MISSIO	Include nee	dle †						
	Allerade			RCA Crystal Cartridges				
	NT. 010F0	For Mo				2.7-oz.	11/4V.	2.20
K215	No. 31050			344, 9850		3-oz.	114V.	
K13424	No. 31156	For Mc	Jole 06	368, R93F, VA-21		2.7-02.		
K280	No. 33122	For MC	Jal 00	00, 1001, 44-21		2.7-oz.		
K277	No. 33217	For Mo	del 96	CO 0000 0000T 0010 0011		3-oz.	114V.	
K 249	No. 85171	For Mc	dere as	69, 9908, 9909D, 9910, 9911		0-04.	-/2 4	

New! DYNAMIC Super-Cardioid Model 556



new pick-up pattern decreases pick-up of reverberation and random noise range frequency response from 40 to 10,000 cycles assures excellent reproduction. Moving coil unit is highly immune to mechanical vibration and wind noises. Furnished complete with 18 inch cable. Shpg. wt. 6 lbs. K13563-Model 556C. Hi-imp. K13564 - Model 556B. 200-250 ohms.

ohms. K13568-Model 556A. 35-50 ohms. ANY ABOVE, \$44.10



Model 700D Crystal Mike

Response: 30-10,000 c. p. s. Graphoil Bimorph element. Output: 53 db. be-low I volt per bar. Satin-chrome finish, cable connector and locking plug. 23%" diam. Fits 1/8" -27 threaded stand. 27 th. shielded cable with plug. Wt. 2 lbs. K13640-\$16.17



Model 717A Low priced hand mike for home recording and com-munication use. munication use. Me-chanically isolated crystal. Output level -49.7 db. Diam. 2½", Height 6", Depth 1½". 7-ft. cable. Wt. 2 lbs. K13603. Wt. 2 lbs. K13603-\$5.85

SHURE MICROPHONES 🚳

WITH UNIDIRECTIONAL MICROPHONES

You can get more volume without feedback, You can place mike and speakers closer together. You find it easier to set up your system anywhere.

Model 730A "Uniplex" Uni-Directional Crystal Mike

Model 730A "Uniplex" Uni-Directional Crystal Mike
A true uni-directional mike-sensitive at the front, dead at the rear.
Solves feedback, room and background noise and reverberation problems. Ideal for use in theatres, night clubs, restaurants, churches, etc.
High quality-wide range response. Average front to rear discrimination about 15 db. Output level 63 db, below I volt per bar. Triple moisture-proofed Grafoil Bimorph crystal. Head diameter 31/4", depth 31/4". Fits standard %"-27 threaded stand. 25 ft. cable and connector.
Shpg. wt. 4 lbs.
K13679-Model 730A. YOUR COST.
K13699-Similar to above but especially designed for voice reproduction. Ideal for police, commercial and amateur use.
Model 730SH. With 7-ft, cable. YOUR COST.

Model 7305H. With 7-ft, cable. YOUR COST.

Model 55 "Unidyne" Uni-Directional Dynamic Mike
Famous Shure "Cardioid" Dynamic-dead at rear. The answer to many a difficult installation. Eliminates feed-back problems and provides greater vasble output. Response: 40-10,000 c.ps. Ideal for high quality broadcast. P.A. and Recording. High output: 55.5 db. below I volt per bar. Complete with Shure cable connector and 25 ft. cable. Case dimensions: 4/4" high, 3/4" wide and 3/3" deep. High impedance model with built-in transformer. Shpg. wt. 5 lbs.

K13688-Model 55C-High Impedance. EACH.

K13672-Model 55A-Low Impedance. Same as 55C but 35-50 ohms impedance. Recommended where long lines are necessary. Cable length practically unlimited. Complete with 25 ft. cable.

YOUR COST.

K13664-Model 55B. Same as 55A but for 200-250 ohms. With 25-ft.

\$29.11 YOUR COST.

K13673—Cable type transformer to match 558 or 55C to hi-imped. \$7.06

K13665—Model 55CV. Special volce model for speech and singing.

Excellent for Sound Systems, Communications and Recording. Other specifications same as the above. High impedance.

\$29.11



Model 708A Crystal Mike

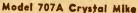
Model 708A Crystal Mike

Illustrated at right. Excellent, smooth, wide-range response. Output 49,7 db. below one volt per bar at end of 7 ft. cable. Bimorph crystal mechanically isolated. Convenient swivel. Diam. 2½".

Length 4-7/16". Satin-chrome die-cast case, polished bars. Shpg. wt. 3 lbs. With 7-ft. cable.

K13633-YOUR COST. \$11.46

K13634-Same with 25-ft. cable. Shpg. wt. 6 lbs. YOUR COST. \$12.34



General purpose mike. Die-cast case finished iridescent gray. Polished grille. Output -49.7 db. Diam. 23/4", 7-ft. cable. K13630-Wt. 2 lbs. YOUR COST. K13631-Same with 25-ft. cable. Shpg. wt. 4 lbs. YOUR COST. \$8.24



Model 508C Dynamic Mike

wodel 5086 Dynamic Mike

Illustrated at left. Moving coil type
with smooth wide-range response. Rugged, practically immune to heat and
humidity. Output -63 db. below one
volt per bor. Hi-impedance. 25-ft. single
shielded single conductor cable and
connector. For size and weight see 708A
at left.
K13635-YOUR COST....\$17.35

Model 500C Dynamic Mike

Same appearance as 707A but moving coil dynamic type. Output 63 db. below I volt per bar. Exceptionally rugged. Excellent response. HI-Impedance. 7-ft. cable. Wt. 3 lbs. \$10.29 K13637-Same as above, but with 25-ft. cable. cable. YOUR COST......**\$11.17**



K13655-Model IOIA. No mike switch. Two-wire relay switch normally open-close to talk. 4-ft. 4-conductor unshielded cable. Shpg. wt. 1 lb.

\$14.70 K13656-Model 102A. Mike switch normally open. Relay switch normally open. 4-ft. 4-conductor unshielded cable. Shpg. wt. 1 lb. YOUR



Model 76B Lapel Mike

Small (11%" diameter and light (11/2 ozs.). Clips to lapel by means of a spring clip. Iridescent gray finish. 25 feet of special flexible cable. Particularly designed for voice frequencies. Excellent for lecturers, instructors. turers, instructors, etc. Shpg. wt, I

K13638-\$14.70



Model \$32D Desk Stand

Model S34A Desk Stand Combination hand and desk stand. Wood handle bayonet-locks into metal base. 6-11/16" H. 4½" Diam. Threaded 3/8"-27. Wt. 3 lbs. \$1.18





ASTATIC Model T-3

An improved, new model semi-directional tilting head, quality crystal mike with superb respanse. Tilts from horizontal to vertical. Output -52 db., response 30 to 10,000 cps. Standard plug and connector, with 5% "27 thread, spring cable profector and 15-ft cable. Chrome plated finish with fine mesh screen grille. K13670-Wt, 3 ibs. \$14.70

Mike and Stand
K13525-Model GT-3-T-3 mike as above with Grip-To-Talk Stand.
Shpg. wt. 5 lbs.
YOUR COST.../..

MICROPHONES

Model

Incorporates an "Ebonite" treated sealed Bimorph crystal element in an element in an acoustically designed cartridge case. Output is -52 db. Pleasing db. Pleasing bass response with uniform highs. Case 2-5/16" diam., 3" h, 3-1/16" d.



JT-30-TT

Unusually attractive it is tractive it is finished in gray and chrome. Mounted on a Mounted on a combination hand or desk stand with diecast base and locking wood handle. Excellent for use with home recording outfits, demon-trators, etc.



ASTATIC. Model N-30 & N-80

Model N-30 & N-80

A new model with excellent frequency response that makes it highly desirused in sound systems. Two range response for entertainment for lecturers, announcing systems, adjustment to directional or non-cable connector provides for quick ish, 15-ft. cable. Shpg. wt. 5 lbs.

YOUR

YOUR N-3U, Wide-Range COST. \$10.2 K13413-Mod. N-80. Voice-Range. \$10.29 YOUR \$10.29



nown HE WORLD OVER



Model D-104

Model D-104

A favorite for communications use. Has a new type Graphoil crystal element with improved shock mounting. Output -48 db.; response rises gradually from 500 to 4000 c.p.s. Solid bronze case finished bright chrome. With plug and connector for ½"-27. thread, spring cable protector and 7 ft. cable. HIgh Impedance. Shpg. wt. 2 lbs.

\$13.638

K13363-YOUR COST.

Model GD-104: D-104 mike on "Grip-to-talk" desk stand described at right, Shpg. wt. 5 desk stand described at right. Shpg. wt. 5

K13358-YOUR COST.....\$16.17

Desk Stand

"Grip-to-talk" desk stand has built-in switch stand has built-in switch to operate relay for "break-in" operation. Fits all Astatic mikes with 3-prong connectors. 81/4" upright. Tel-phone black base. Fine for X'mitters or P.A. systems. Wt. 3 lbs. K13373-YOUR YOUR 55.88

L-1 Lapel Mike

Small watch case
model using the dualdiaphragm principle.
Simorph crystal cartridge barometrically
compensated shockproof mounted. Output62 db. Response: 3010,000 c.p.s. 11/2" diameter. 15-ft. cable, Statuary bronze.
K13429-8-4 K13429 \$14.70

K13796-WR-40-YOUR COST.....\$23.2





Frequency response 40 to 9,000 cps. Output level: -56 db. The head is tiltable through a 90° orc. Convenient on-off switch. Cable connector part of stand coupler, not subject to strain when head is tilted. Available in chrome or gun-metal. 20-ft. cable supplied. Chrome. K13787-K13787- \$16.17 EACH K13788-Gunmetal \$14.70



Model V-1

Model 630

A popular priced dynamic with excellent characteristics. Pure piston-acting diaphragm to eliminate spurious frequencies. Frequency response 40 to 10,000 cps. Output level: -55 db. Tiltable. Built-in on-off switch, 20-fr. cable, Shpg. wt. 5 lbs. Chromium.

Chromium, K13505-EA. \$17.64 Gunmetal, K13506-EA. \$16.17

A real high-fidelity velocity microphone. Excellent for P.A., recording, etc. Small in size, yet highly flexible in operation. Frequency response 40-10,000 cps, Output level: -65 db. May be tilted for non-directional use. Zero cavity resonance, reduced feedback. On-off switch, 20-ft, cable. Gunmetal finish, chrome trim. Built-in xformer. Wt. 6 lbs. K13722-K13722- \$16.17



Model 605

new low-cost dynamic that pro-A new low-cost dynamic that provides excellent quality, appearance and durability. Frequency response 45 to 8,000 cps., excellent for P.A. recording and Hams. Output level: -57 db. Head has fixed tilf of 22°. Available in chromium or gunmetal finish. Supplied with 8-ft. cable. Shpg. wt. 5 lbs.
K13785—
\$11.76

K13785-Chrome...\$11.76 K13786-Gunmetal.\$11.17



Model 600

A dynamic "Mobile" mike designed for blast-proof, high quality close talking operations. Fits in palm of hand, weight only 13 oz. Will withstand heaf, excessive humidity, rough handling, salt air, etc. Output: -57 db. Frequency response 50-8,000 cps. Has slide to talk switch, locking connector, 8-ft. cable and convenient hanging ring. Finished in gunmetal with chrome trim.

trim. K13736-YOUR COST

\$14.70



AMPERITE MICROPHONES









"KF" Foot Vol. Control
Provides smooth control
of volume by foot action.
For any high impedance
Kontak mike. Size: 9x21/2
x21/2
LSupplied with 15Change Mr. 44 x21/2". Sup ft. cable. Shpg. wt.

K13663-YOUR COST \$7.06



Bridge Clamp



LGP Input Trans. Matches 50 or 200 ohms to hi-imp. input. Stand-ord for close talking mikes; Laboratory for voice and music.
K13608Standard...
K13609-Lab. Std. \$5.88

Replacement Ribbons

For use with Amperite Velocity Microphones RBHK, RBMK, RSHK, RBSK, 2 to a package. K13566-Standard ...73c K13567-Super. ...\$1.03

KONTAK MIKES FOR MUSICIANS

Faithfully reproduce the vibrations of any musical instrument. They reproduce the entire audible range without introducing any annoying peaks. Used extensively by many famous name bands. Have been used by the Philadelphia Symphony Orchestra to re-enforce a mandolin solo. Increase timbre-create new effects. Available, as illustrated at left above, without hand volume control and also with this control as illustrated at right. Model KR is a special hi-output model that will work on phono inputs of most amplifiers and radio receivers (built after 1935). Other models are for use on regular mike channels. All are high impedance (available in 200 ohms impedance on arder only.)

Average shop. wt. 4 lbs. eoch.

Models Without Volume Control (1x3x1") Cable 25-ft. 15-ft. Stock No. K13661 K13675 K13698 Range Level 40-9000 c.p.s. -30 db. 40-6000 c.p.s. -40 db. 40-6000 c.p.s. Spec. Model \$12.94 7.06 7.06 KTH 15-ft. Model With Volume Control (2x1x5/61")
(KH 40-6000 c.p.s. -30 db. 25-ft.
(KHH 40-9000 c.p.s. -30 db. 25-ft. K13690 K13691 KKHH







"PG" Pressure Gradient Dynamics

Lowest feedback point of any diaphragm type mike. Improved elipsoid pickup pattern, flat response. Range 40 to 11,000 c.p.s. Output level -56 db. Station-type cable connector, built-in "on-off" switch. With 25-ft, cable. Satin Chromium finish. Shpg. wt. 3 lbs. EACH K13610-PGH. High Imped. \$18.82 K13611-PGAH. As above, but 70 to 8000 c.p.s. 12-ft. cable. High imped. \$14.70 K13607-Plastic Baffle for PG Miles.

13607-Plastic Baffle for PG Mikes.....88c

7J Lapel Mike

About the size of a small match box. Has neck cord and can be hidden under coat. 21/4x1 3/4x1". Response 60-7500 c.p.s. Output 2/4x1/4x1". Response 60-7500 c.p.s. Output -70 db. 25-ft, cable. Wt. 3 lbs. K13615-Hi-Imped. K13617-200 ohms. EITHER \$12.94



SR-80 Studio Velocity

Standard Models Similar but range: 60-8000 c.p.s. Output: -68 db. 12-ft. cable.

cable.
K13598-RSHK. Hi-Imped.
K13599-RBSK. 200 ohms.
YOUR
COST.......\$18.82 **Economy Velocity**

Tops in quality. Flat within 1 db, from 40 to 15,000 c.p.s. Triple shielded, Built-in 'on-off'' switch. 25-ft, cable. Chrome finish. High impedance. Shap. wt. 10 lbs. Model SR-80. \$39.20





AMERICAN DYNAMIC MICROPHONES

Model D7T

Model D7T
A good quality movingcoil dynamic with a semicommunication type response suitable for generol PA work. Compact—
2x2¾". Output –56 db.
(below IV. bar.) Hi-impedance (38,000 ohms).
Semi-directional. Equipped with 12½-ft. cableFits ¾" -27 threaded
stand. An excellent value.
Shpg. wt. 3 lbs.
K13486-Hi-Impedance.

K13486-Hi-Impedance. K13487-200 ohms. EITHER, EACH...\$14.55



Model D9AT Unidirectional Mike

A pressure-velocity combination microphone with pickup only from the front,
broad frequency response and high output plus the usual dynamic, microphone
qualities of ruggedness, immunity to
weather conditions and circuit adaptability. Average output approx. -54 db. Response good to 10,000 c.p.s. Size 7x21/2
x21/4" deep. Satin chrome finish. 25-ft.
shielded rubber covered cable. Standard
3/6-27 thread. Equipped with swivel and
standard cord connector. (38,000 chms). K13571-Hi-impedance (38,000 ohms). K13572-200 ohms impedance.

EITHER MODEL \$24.25

Model RC Crystal Mike

Model D220T Wide Range Dynamic

Wide Range Dynamic

A unique moving-coil dynamic mike with
two generators each with a specific frequency response. Cambined outputs electrically and acoustically coupled produce
an ideal response variable to three positions-high (150 to 10,000 c.p.s.), full (30
to above 10,000 c.p.s.) and low (25 to
5000 c.p.s.). In the "full" position there is
a broad crossover (150 to 5000 c.p.s.) between generators. Output level -55 db.
Size 5½x4x2" deep. Finish Brushed
chrome. 25-ft. Shops, wt. 4 lbs.

K13573-Hi-Impedance (38,000 ohms). K13569-200 ohms. EITHER MODEL, EACH. \$38.22

Model C6 Crystal Mike

Has a crystal driving lever twice as effi Has a crystal driving lever twice as efficient providing twice the output with equal sound pressure. Broader responsebetter bass. Output approx. -48 db. Swivel head. 7-ft. cable with connector at mike end. Range: 40-9000 c.p.s. Polished chrome finish. Overall height 3". Diameter 2½". Standard ¾"-27 thread. A fine microphone for all types of applications. Shpg. wt. 2 lbs. K13580-With 7-ft. cable. \$9.70





Model D4T

Model D4T
Fine response from 60 to
7500 cycles and a high
output of -56 db. (0 db.

I Vybar) feature this
new model D4-T dynamic
microphone. Rugged yet
light in weight (app. 10½
oz.) 180° vertical angular
setting, and positive friction lock at the swivel.
Single contact shielded
plug. 12½-ft. cable, Wt.
2 lbs.

K13586 — Hi-Impedance (38,000 ohms), K13587-200 ohms, EITHER, EACH...\$12.93



MICROPHONES CESSOR

AMERICAN AT-2 Carbon Hand Mike

Greatest efficiency in voice range from 200 to 3500 c.p.s. The case fits the hand comfortably and the convenient thumb switch requires only 4 ounces to operate. Case and insulating parts molded from an indestructible plastic. cuits insulated from the hand. Convenient hanger eye provided. Recommended current 15 ma., load 100-150 ohms. With 4-ft. three-



actor rubber covered cable. Natural black finish. Shpg. wt. 2 lbs \$10.58 K13544

BRUSH Microphones



BL-1 Lapel Mike An extremely compact rubber-cradled soundcell type crystal micro-phone for use on the lapel or in the hand. Removable clip holds microphone securely to the lapel. Overall

rubber housing protects micro-phone from shock and abrasion. Very light in weight. Excellent fre-quency response. Ideal for use by lecturers, teachers, demonstrators, etc. Small size makes it easy to conceal for investigation work. 25-ft. of rubber cable. Wt. 2 lbs. conceal for Investigation Wt. 2 lbs.

(t. of rubber cable. \$14.70 mike. Your Cost.)

VM-1 Vibromike A tiny contact micro-phone used for an infinite variety of purposes —for musical instruments, test equipment, detective work, etc. High output permits its use with small amplifiers. Size: 1½x½x½x².
Easily attached by means of mounting clamp (furnished) to practically any musical instrument. Soft rubber case. With 25 ft. of cable. Shpg. wt. 21bs. K13467—Model VM-1. Vibromike.

\$10.29

RCA "Aerocrystal" Microphones

RCA "Aerocrystal" Microphones
Streamlined crystal mike with fine frequency characteristics. Range 30 to 10,000 c.p.s. Output level—36 db.; load impedance 25 to 3 megs. Ideal for all general crystal mike applications. Supplied with 12-ft. cable. Has ½" pipe thread and adaptor for ½"—27 fixture thread. Satin chrome front, umber case. Less stand. Shops. wt. 4 lbs.

K13545—Model MI-6205—Each.
Speech Model MI-6206: Like above, for voice frequencies. Range 30 to 5000 c.p.c.

K13562—Less stand. Each.

K13562—Less Stand. Each.

Stand only for either shove. Each. \$1.73



TURNER MICROPHONES

Model 211 "Broadcast" Dynamic

Well suited for commercial broadcasting, for exacting P.A. installations, for Military Area and Defense Plant systems—where intelligibility is essential. Features new type magnetic structure; new acoustic network; new diaphragm structure; acoustically compensated case design. Smoothly adjustable from a horizontal position to a full vertical position for non-directional operation. Frequency range from 30 to 10,000 c.p.s. Output level –56 db. Furnished with 20-ft. heavy duty shielded rubber covered cable with connector. Rich satin chrome finish. Shpg. wt. 3 lbs.

Shpg. wt. 3 lbs.
K13511—High Impedance
K13524—200 Ohms Impedance
Your Cost, Either Type

\$26.46

Model 999 Dynamic Mike

Model 399 Dynamic Mike
Fine moving coil type mike with range from 40 to
9000 c.p.s. Withstands climate and temperature
changes. Semi or non-directional operation. Adjustable saddle. Voice coil and transformer leads insulated
from ground and mike case. With 3-pin polarized
locking connector and 20-ft. low capacity table. Output level -52 db. Finished in fine gunmetal. Ideal
for broadcast studios, city police departments, etc.,
where crisp, clear results are desired. Shpg. wt. 4 lbs.
K13534—High Impedance
K13537—200 Ohms Impedance
Either Type, Your Cost Each



"MM" Magnetic Pickup

Gives immense volume from any stringed in-strument, without feedback. Novel clamp for fastening to instrument without tools or adhesives. Continuous volume control. High impedance; feeds directly into grid. Rich brown enamel finish. Complete with 20-ft. cable. Shpg. wt. 1 lb.

> \$9.70 \$8.53

Shielded 3 Way Microphone Plug



Barrel is made of nickel plated brass. Fully insulated bushing. K13519—5 For \$3.40 Your Cost

76° As above but with bakelite barrel. K13521—5 For \$2.52 56° Your Cost

K13478 Stand only for either above. Each ... \$1.73 Shielded 3 Way Jack



Nickeled brass shell.
K13520—Your Cost....
K13522—Jack, less shell. 70° K13522—Ja Your Cost 35° Microphone Switch

Die-cast case. Slide-contact switch. With cable strap and knockout hole. Insulated terminals. Chrome finish. 3/8"-27 fittings.

K13543—As above, without volume control.
Your Cost Each

K11665— Your Cost Each

Your Cost Each

\$1.03

TRUTEST Two-Button Carbon Microphone

High quality 2-button carbon mike. Range: 45-7000 c.p.s. Heavy chrome plated frame. Pure 24 k. gold contacts. Duraluminum diaphragm. 3" diam. [2" deep. With rings. Shpg. wt. 3 lbs



C

K13420-Your Cost

MPHENOD Connectors and Plugs



Bakelite elements. Screw type coupling rings lock male and female connectors. Shells may be utilized for second conductor. For

k13286—Male (B)
K13287—Female (A)
K13288—Female chassis connec-288 Female chassis connec-Mounts in a single %" hole.

Your Cost Each 24°
K12574—Female chassis connector with riveting plate. Single % hole mtg. (D).
Your Cost Each 29°

Two-Conductor

Like the above, but for 2-conductor cables and twisted pairs. Have two parallel contacts.

K13289—Female
K13229—Male
K13229—Female chassis connector. Mounts in a single % hole. Your Cost

K12575—Female chassis connector with riveting plate. Single %" Your Cost Each

Single Contact Mike Connectors

Pressure type compact connectors for use with single conductor microphone cable—utilize shell for second contact. Contact is made when center soldered connections are pressed together

Plated metal shells. Insulation is special tissue base laminated bakelite. Cable shield easily grounded through shell by soldering to cable protector. Accommodate cables up to 1/4" in diameter.

nector. (A). K13359—Each Type PC1M—Male chassis connector. Same as MC1M, but for chassis mtg. (C).

K13361—Each

Type MC1F-A—Right angle female cord connector with spring cord protector. Use with PC1M, SP-PC1M or CL-PC1M. 35c K13277—(E)—Each

Type MC1F-Female cord con- | Type MC1M-Male cord connector. (B). K13360—Each

Type SP-PC1M-Same as PC1M but with center contact floating on a heavy coil spring. (D). 24c K13385—Each

Type CL-PC1M—Closed circuit chassis connector. Closes circuit automatically when mike is disconnected. (D).

K13268—Each 246 24°

Phone Plug Adapter



Makes a standard phone plug out of the MCIF cable connectors. No soldering or wiring required.

K13328—MCIP
Your Cost

Attaches between male and female of any of the above connectors. Push-to-talk or slide switch for permanent connection.

K13357—MCIS
Your Cost

Microphone Switch



Shielded Locking Type



MC series. With polarized shells. Can be used on %"-27 stands. Locking ring on male, and cable clamps on both, with spring cord protector. Interchangeable bakelite elements. Coupled, 2%x¾".

3-Contact Connectors K13489—Male (A) K13490—Female (B) 59c Ea. K13396—Female chassis type (C). For 11/16" hole. Your Cost Each

4-Contact Connectors
K13488—Male (A)
K13499—Pemale (B)
K13397—Female chassis type (C).
For 154" hole.
Your Cost Each

Female for panels up to % Male with ring, for panels up to % thick. Receased contacts K13307-3 Pr. Female K13308-3 Pr. Male K13308-4 Pr. Female K13310-4 Pr. Male

MICROPHONE STANDS and Accessories

DeLuxe **Banquet Stands**

Adjustable, Utilize pump-action"—"suregrip" automatic friction clutch lock. Heavy brass chromed tubing; grey crackle finished base, 6" diam., with rub ber bumpers. Standard %x 27 thread. Less mike. K13353—Extends 10-15". Wt. 3 lbs.

\$2.25 Your K13354—Adjusts from 18 to 33". 7" base. Wt. 8 lbs. \$3.65 Your Cost

Standard Banquet Stands Features same as above, but non-adjustable. All chrome. 8½" high. Heavy base. Wt. 4 lbs. \$1.75 K13582—Your Cost. Two-Tone Model. Same, but black wrinkle finished base. Wt. 4 K13583—Your Cost. \$1.25

Latest! 3-Purpose Microphone Stand



Ideal for all Portable uses. Instantly convertible to 8" Banquet Stand (A). Microphone Handle (B) or Desk Stand (C). Especially designed to fit modern mikes. Consiste of 6" wrinkle plathum grey finish of 6" wrinkle platinum grey finish base, 2" chromium plated stem and 414" wrinkle platinum grey finish handle. With cable connector, Wt. 6 lbs. Less Mike. \$2.20

Crystal Mike Cable



Flexible stranded tinned copper riskingle conductor; tinned copper single conductor; tinned copper braid shield; cotton wrap and lactured braid, rubber overall. Outside diameter .280°.

K20842—Per Foot K16333—50-Foot Roll.

K16333—50-Foot Roll.

4.00

Low Impedance Crystal And Velocity Mike Cable



Consists of two conductors, colorcoded in a closely woven tinned cop-per shielding with outer covering of wher. Abrasion proof. K16079—Per Foot. K16201—50-Foot Roll. K16202—100-Foot Roll 51/2° 52.25

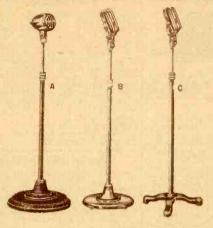
3 and 5 Conductor Shielded Cable



Three color-coded stranded conducthree color-coded stranded conductors in tightly woven tinned copper
shield. %" outer covering of highpercentage rubber.
K16145—Per Foot.
K16206—50-Foot Roll. \$2.10
K16207—100-Foot Roll. 3.95

Similar to above, but 5-conductor. K16100—100-Feet \$9.00.

HIGH QUALITY MICROPHONE FLOOR STANDS



All adjustable smoothly and noiselessly, and provided with wear-ever, suregrip automatic riction clutch tocking the stands at any desired height. The hard-ened fibre bush-ing in the clutch practically indestructible. All heavy gauge metal, triple chrome plated. All have %"-27 thread to fit stand thread to its tandard mikes. Extend from 35" to 68". Weights shown are net—add 4 lbs. for packing.

\$4.45

Stand

Thread

15"-27

Standard Floor Stands

(A) Has 10" dia. base with gray crinkle finish.

K13647—Net wt. 15 lbs. Your Cost.
(B) Has 10" dia. base, chrome finish.

K13528—Net wt. 15 lbs. Your Cost.
(B) Has 12" dia. base with chrome finish.

K13356—Net wt. 18 lbs. Your Cost.

SHURE Stand Switches

Type A80B: (top). For any mike. Standard \%"-27 thread. Unwired. Shpg. wt.

1 lb. K13639 Each \$1.47

Type A83A: (below). For Shure cable connector mikes. No wiring required. Shpg. wt. 1 lb. \$2.35

DEAGAN Station Chimes

Tripod Base Floor Stand (C) Deluxe stand. Tripod spread 15". K13355—Net wt. 11 lbs. Your Cost

\$6.45 Reducers and Swivels



Stock

Brass, Chrome Plated Reducers

Mike

Thread 1/2" pipe 1/4"-27 K13351 %" pipe %"-27 %"-27

Your Cost Each, Any Type Above

45° Special W.E. Reducer



Designed for use with Western Electric micro-phones, models 630 A, 633A, 639A; fits them to stands with standard \%\(^2\) 27 thread. Accurately ma-chined and heavily chrome plated. K13348-Each 88c

\$4.50 We can supply any mike accessories not shown; prices on demand.

AMERICAN Carbon Hand Microphones



K14013

Has four perfectly pitched notes tuned to

a perfect chord; impos-

sible to play out of tune.

Model SB: Sensitive single button carbon mike on handle for easy hand operation. Opernand operation. Operates in any position. Black crackle finish. Resistance 200 ohms. Shpg. wt. 3 lbs.

\$3.23

Model SB2: Sensitive single button hand mike with slideswitch in handle. Chrome finish. Has con-venient hanger on mike casing. Resistance 200 casing. Resistance 200 ohms. With cable. Shpg. ohms. W wt. 3 lbs. K13384

\$6.47

SHURE Carbon Mikes



Excellent two-button carbon Excen-button carp-button carp-200 ohms mikes. 200 ohms per button. "Quick-Way" hooks for spring suspension. Rigid cast frames have Shpg. wt. 3 lbs. B. 3" dia.

built-in grille. Shi K13645—Mod. 3B. Your \$3.23 \$5.88

AMERICAN Carbon Mike



button carbon mike con-vertible to hand or desk wertible to hand or desk model. Stretched dural diaphragm. Rubber mounted yoke fits \%"-27 stands. Shpg. wt. 3 lbs. K13658-Mike only.

Your \$4.70 Cost Handle only. Each. RRC Base only

Economy Floor Stand Adjustable floor stand

at an unusually low price. Has 9" dia. base with grey wrinkle finish. Heavy gauge metal tub-ing is chrome plated. Extends from 35 to 68". Non-slip friction clutch mechanism is foolproof and efficient. Has %"-27 thread for all stand-ard mikes. Shpg. wt. 10 lbs. Less Mike. K13629—

Your Cost \$3.70



Lecturer's Microphone **Neckstand**

For lecturers, demonstrators,

Carbon Mike Stand



Has 53%" octagonal ring. 8 springs supplied. Overall height 9". Removable ring. Black enamel wrinkle finish. K13540 Wt. 4 lbs. Your

Your Cost. \$1.47 De Luxe Banquet Stand

Same as above, but with 6" removable round ring. Height 13" overall. Shpg. wt. 5 lbs. \$2.18

Microphone Springs Made of fine tem-

K13402—Set of 8.
Your Cost.

Carbon Granules

Extra fine quality—not adulterated. Contains sufficient granules to refill one two-button mike. K13481—Each...

Flexible Goose Neck

- Aliming and a second second

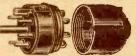
Make your own neckstand, desk stand, etc. ½%-27 threads on each end. ½% dia. K11663-12" length. \$1.08
Your Cost Each...



Mike Cable Clip Nickel plated brass. Holds close to stand.

cable close K11661—

MALLORY Pin Plugs



Bakelite insulation, polarized plugs.
Positive spring contacts.
K6375—No. 635. 7-prong male.
K6375—No. 645. 7-prong female.
Your Cost,
Either Type.
K6376—No. 625. 12-prong
K6380—No. 615. 12-prong
K6380—No. 615. 12-prong
Either Type, Each.
S1.23

MPHENOD Connectors and Plugs

Miniature Connectors



Molded bakelite connectors in cadmore dakente connectors in can mium plated brass shells. Only 1½" long, 1½" diameter. Bakelite element held in place by set screw. When used with shielded cable, shield can be soldered to shell. Ac-commodates cables up to ½".

Male	Female.	Cont.	Each
K13335	K13337	3	18c
K13336	K13339	4	20c
K13333	K13334	5	22c
K13338	K13340	6	22c

MiniatureSockets&Plugs



These are interchangeable with the con-

nectors listed
The sockets are equipped with push-on mounting rings and can be used with above listed male plugs as well as the plain plug listed here. Similarly the plugs listed below can be used with the female connectors listed above.

Sockets	Plugs	Cont.	Each
K12700	K12708	3	8c
K12701	K12709	4	8c
K12702	K12710	5	10c
K11542	K12711	6	10c



Shielded Sockets

Similar to sockets listed above but with shield. When used with shielded male connector listed

at top of page a completely shield-ed connection is obtained. Easily

mounted		Y	01	п	Æ.	JOST
	Type					ach
K12704-	-3-contact.					. 18c
	-4-contact.					
	-5-contact.					
K12707-	-6-contact.			٠.		. 20c



Hearing-Aid Sockets and Plugs



Sockets essilv mounted by drilling three 3/8" holes in a row. Mtg. centers 13/8".

NO.		Eacn
K13227—2	pr. plug	6c
K13228-3	pr. plug	8c
K13234-4	pr. plug	9c
	contact socket.	
K13236-4	contact socket.	15c

Standard Speaker



piece molded bakelite. Solid construction speaker cables easily

100	wired.	
No.	Туре	Each
	4 prong	
	-5 prong	6½°
K11514	-6 prong	U72-
K11515	-7 prong	
K11516	-8 prong.	



K11676



K11672

Fema	le		M	ale
No. E				Each
K 11528 K 11529			K11532 K11533	
K11673		6	K11678	10.
K11674	Z40	7 L	K11679	100



"AN" Heavy Duty Connectors







Designed in accordance with U. S. Army-Navy Procurement Specification AN-9354, as most suitable for general radio and P.A. work. All have aluminum alloy shells with light sand blast finish. Insulation is high dielectric black bakelite. Machined threads with Permalub coating prevent binding. Shells are polarized to prevent incorrect insertions. Male and female elements are interchangeable so that male prongs can be kept at dead end of circuit. Contacts are machined from brass bar stock and heavily silver plated, to insure low resistance. Cable clamps have two inner grooves into which cable covering is pressed when side machine screws are tightened; supplied with live rubber gasket backed by a fibre washer. Take cables from ½" to ½".

Angle Connectors (A)

Male. Right angle; rear end can be swung through 360°. Use with units having coupling threads.

Stock	Con-	For Wire	Your
No.	tacts	Size	Cost
K12550	1	8*	\$5.03
K12551	1	16	4.91
K12552	3	20	5.32
K12553	4	20	5.53
K12554	5	20	5.73
	-		

Chassis Unit (D)

Chassis 1	Aten pere	WE OF TIVEE	٠.
Stock	Con-	For Wire	Your
No.	tacts	Size	Cost
K12555	1	8*	\$1.50
K12556	1	16	1.38
K12557	3	20	1.79
K12558	4	20	2,00
K12559	5	20	2,20

* Widely used for connecting antenna feeders.

Female. Has square mounting flanges for permanent assembly to chassis with acrews or rivets.

coupling threads.

Stock

No.

K12561

K12562

Con-

tacts

coupling	threads		
Stock	Con-	For Wire	Your
No.	tacts	Size	Cost
K12565	1	8*	\$3.26
K12566	1	16	3.15
K12567	8	20	3.56
K12568	4	20	3.76
K12569	5	20	3.97

Straight Connector With

Straight Connector With

Coupling Ring (B)
Male. Use with connector having

For Wire

Size 8*

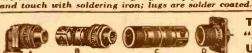
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\$3.56

3.85

"AN" Connectors are exceptionally easy to wire. Both male prongs and female contacts extend beyond bakelite element and are terminated in a soldering lug. Simply insert wire into lug





Type "AN"

For Single Conductor Shielded Cable

Like the larger units described above, but with single contact only. Used for connecting small coaxial cab prongs are for wirrubber gasket and the washer, accommodates cables up to 1/4" o.d. Elements are interchangeable.

Angle Connector (A): Male. With coupling ring. \$4.4 With coupling ring. K12571—Each

JONES No. 141 Terminal Strips

Stock No.	Terminals			Terminals	Each
K12539	2	\$0.14	K12544	7	. \$0.40
K12540	3			8	46
K12541	4	25	K12546	9	51
K12542	5	30	K12547	10	56
K12543	6	35	K12548	11	. ,62
			K12549	12	67

Speaker Plugs

Molded co designed to standard to ets. Rem caps.

No. K11666

K11667 K11668

K11670

K11671

nnectors	12
to fit the	
ovable	THE WAY
Prongs	Inflaft 40
4	Each
5 .	12
<u> </u>	The second second

Rubber Capped Male and Female Plugs

Molded rubber. Standard socket arrangement of holes and prongs. Ideal for outdoor use. Prevent

	DIOPER C	aures.			The same of the same of
3	Male	е		Fema	le
6	No.	Each P	rongs	No.	Each
1	K11705 K11706	180	4 K:	1710	35c
	K11706				
C	K11707	21cl	6 K	1712	41c
	K11708	W. 1. A.	(SIIV.	11/13	. 44C

Heavy Duty Type Multiple Connectors







Cadmium finished locking type Cadmium finished locking type shells with ring on male plug and matching thread on female connec-tors. Rubber gasket and cable clamp keep strain off prongs. Coupled connectors 3 1/4" L. by 1 1/4" D. Chassis type req. 1 1/4" hole.

Con-	Male	Female	Chassis
tacta	Plug A	Conn. B	Conn. C
4	K13555	K13377	K13274
5	K13554	K13376	K13273
6	K13553	K13375	K13272
8	K13492	K13491	K13269
Any A	bove Ty	pe	73°
Vour	Cost Eac	h	. 15

Polarized Four-Pole Plugs



Underwriters approved, 4 extra heavy prongs rated at 15A.-125V. or 10A.-250V. Dirt and moisture proof. Cable clamp adjustable to %.". Connectors coupled—3" long x 11%" diam. POLARIZED, with x 1½" diam. POLARIZED, with numbered contacts. Fully shielded. Elements are interchangeable. Shell may be used as fifth conductor. K13316—Male (A). \$1.47 K13316—Female (B). 1.47 K13320—Panel receptacle (F) Female. Mounts in 1½" hole. Has thread for male plug ring. \$1.47

Cable Connectors

Standard tube-base size connectors with shield



cans. Rubber

Female	Male	Contacts	Each
K11475	K11471	4	15c
K11476	K11472	5	15c
K11477	K11473	6	15c
K11478	K11474	75	15c
K11491	K11490	8	15c
K11508	K11506	9	17c
K11509	K11507	11	21c



Same as above but with cable

Female	Male	Contacts	Each
K11586	K11579	4	15c
K11587	K11580	5	15c
K11588	K11581	. 6	15c
K11589	K11582	75	15c
K11590	K11583	8	15c
K11591	K11584	9	17c
M 11592	K 11585	11	210

Locking Covers Cover above connectors. 11/2x21/2". K11479 Per Pair



Terminal Boards

Tinned contacts eyeletted on Bakelite strips. 1/2" centers.
No. Clips Each 10 For 8c 10c 12c 15c K12890 \$0.72 Has black Insulated 1.08 K12892 handle. 1.53 K12894

15

MIKE CONNECTORS, JACKS and PLUGS

Popular Phone Plugs



For Lor 2 speaker

Molded bakelite shell. 2%" long x

K14974 Black K14971 Red. Each

Metal Shell Type Marie with nickeled brass 10 For \$4.10 K14970 Each "Stubby" Metal Shell

As above but with short metal shell.

14 overall. 10 For \$3.40.

18 K14959 Each. " verall. K14959 Ea

K14959 Each.
Midget Bakelite Plug
takelite shell. 214" overall x 14"
trameter. Solder lug connections.
K14960 Black K14963 Red
Your Cost 10 for \$2.40

Midget Metal Shell name with metal shell. 2½" over-dl x '₁₆" diam. 10 for \$2.85 32° K14958 K14958

Locking Type Shielded Telephone Plug



With panel receptacle
which replaces hex nut of present
ack. Nickel finish. %x2½" L. K13294-2-Term. (Phone) K13295-3-Term. (Mike)



Midget Jacks Fibre insulation. %"
mtg. hole.
K6548—Closed circuit jack. K6549-Open cir-

K6550 New Imp Short Jack.

Dial Plates

ine etched metal black hal plates, calibrated v "" wide, will wir mounting holes.



"Modern" Dial Plate

Silver colored plates with black letters. All 23 x 25 c Marked:
Tone. Gain, Microphone, Increase (no figures, marknes only). Volume and Plain (no tile, just I to 10). Specify marking desired when ordering. K10669...

Any Type, Each Microphone Fittings



Brass, chrome fin-sh. Threaded 5%"

(A) Couples two fitings threaded %



(B) Extends two ca-bles with female onnectors, taking

K11771 Each 38°

PLEASE NOTE:

During the present emergency we must reserve the right to substitute like quality and make price changes without notice, wherever and whenever neces-

JONES "500" Series Plugs & Jacks



Designed for 5000 volts and 25 amps. per contact. Con-tacts are brass and phosphor bronze ilver plated. silver plated. Long leakage path from terminal to terminal, and terminal to ground. All sizes are polarized so that it is impossible to insert one size plug in

another size socket. Metal parts of caps and brackets are steel, parkerized (rust-proofed). Plug and socket blocks are interchangeable in caps and brackets. Deep brackets should always be used when one plug or socket has a cap; shallow bracket types should be used in pairs, both plug and socket.

"500" Series Plugs

Secretary Made						
Con-	With Stock No.		Deep Stock No.	Your	Shallow Stock No.	Bracket (C) Your Cost
2 4 6 8 10 12	K12730 K12731 K12732 K12733 K12734 K12735	1.68 2.18 2.68 3.18	K12736 K12737 K12738 K12739 K12740 K12741	1.47 3 1.91 9 2.35 2.79	K12742 K12743 K12744 K12745 K12746 K12747	\$1.03 1.47 1.91 2.35 2.79 3.23

"500" Series Sockets

Con-	Stock No.	Cost	Deep Stock No.	Your	Shallow Stock No.	Backet (C) Your Cost
2 4 6 8 10 12	K12712 K12713 K12714 K12715 K12716 K12717	1.68 2.18 2.68 3.18	K12711 K12711 K12721 K12721 K12721 K12721	1.47 1 1.91 2 2.35 3 2.79	K12728 K12729 K12789 K12790 K12791 K12792	\$1.03 1.47 1.91 2.35 2.79 3.23

Locks for "500" Series Jones Plugs and Jacks

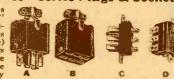
For use in connection with any Deep Bracket and cap combination. The locks hold the units securely together, and can be released instantly. Mounting plates fit all Deep Brackets; fastened by same screws that hold deep brackets to panel. Pairs only. K12793 Per Pair



Jones "300" & "400" Series Plugs & Sockets

Multiple contact plugs and sockets in both "400" series heavy duty (25 am-pere) and "300" series standard duty (5 ampere) sizes. Cable type plugs and sockets have cable

clamps. Chassis type have brackets—heavy duty type at ends—standard duty type at sides.



T	TYPE B SOCKETS							
Standard	d Duty	y Heavy	Duty	Standa			Heavy	
	our C	on- Stock	Your	Stock			Stock	
		cts No.	Cost	No.	Cost	tacts		Cost
K12460	22c	2 K12400	0 42c	K12466	22c	2	K12412	
	25c	4 K12401		K12467	26c	4	K12413	
	29€	6 K12402		K12468	31c	6	K12414	
K12463	32c	8 K12403	69c	K12469		8	K12415	
K12464	36c 1	0 K12404	78c	K12470		10	K12416	93c
		2 K12405	87c	K12471	45c	12	K12417	
CHASS	IS TY	PE PLUG	(C)	CHAS			OCKET	
	10c	2 K12426	27c	K12478		2	K12406	30c
K12473	13c	4 K12427	33c	K12479	14c	-4	K12407	
K12474	16c	6 K12428	39c	K12480		6	K12408	48c
	19c	8 K12429		K12481		8	K12409	57c
	22c	0 K12430		K12482		10	K12410	66c
K12477	25c ∣	2 K12431		K12483		12	K12411	75c

Flat Plug



type, for where space is limited. Molded bakelite du 11 " dia. Ultra-compact body. Trick. 35°

Extension Cord Connector

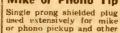


Has 2 openings, at either end, for inserting two pin tips.

Molded body.

K13051—

Mike or Phono Tip



connections. K11773 Each



Mike or Phono Jack For use with above microphone or phono tip. Mounted on bakeand metal back. K11774-Each. 80

5°

High Volt. Plugs & Jacks



Heavy duty type, in medium and glant sizes. Handle 1000 voits at 10 amps. For use with high R.F. currents, diathermy work, x'mitters, etc. Insulated threaded heads and handles. Hardware furnished with jacks. Medium jacks for panels up to %" thick; giant jacks for panels up to %" thick; Medium Plugs—2x½x3%" K12870—Black & Red 26 ca. Medium Jacks—2x½" K12871—Black & Red 47 ca. Glant Plugs—2x½x3%" 6a.

Glant Plugs—2x3/x33/4"
K12785—Black & Red 35 c
K12786—Black & Giant Jacks—24/x3/4"
K12787—Black & Red 56 c
K12788—Black

Etched Metal Plates

Raised letters on a black etched background.

SPEAKER @

Neut. Cond. Oscillator Osc. Plate Curr.

Output Gnd.-Gnd. 50 Ohm Output

125 Ohm Output

200 Ohm Output

Output

With following markings: Monito

A.C. Input Amp. Grid Curr. Amp. Screen Curr. Antenna Ant. Feeder Curr. Buffer Plate Curr. 1st Buffer Grid Ist Buffer Plate Filament Voltage | 200 Ohm Output Fil. 1st ON; 2nd OFF | 500 Ohm Output Gain Control Input

50 Ohm Input 125 Ohm Input 200 Ohm Input 500 Ohm Input Modulation Ind Modulator Grid Modulator Plate

Plate Plate Voltage Plate 2nd ON; 1st OFF Power Amp. Grid Power Amp. Plate Rectifier Send Speaker Tritet Oscill.

Specify marking desired. Any Type, Each... 10 For (any selection).

Portable Speaker Cases For Single

Speaker

To house any dynamic speak-er up to 12" in dia. Sturdy ply-wood case covwood case cov-ered with black



ered with black leatherette. 10" opening; grille cloth protected by wire mesh. Leather handle, metal bumpers. Insert type door back. 1414/914". Shpg. wt. 13 lbs. 14x14¼x9¼″. K22061— Your Cost.

Dual Speaker Case

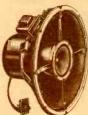


Houses two speakers up to 12" in diameter. Opens into two halves, each serving as an efficient baffle. Sturdy plywood construction, with black leatherette covering. leather carrying handle. Metal

bumpers top and bottom. Speaker oumpers top and bottom. Speaker openings in each half have grille cloth and protective wire mesh screens. Plated snap lock fasteners (two each side). Size, closed, 9x 14½x22½". Shpg. wt. 13 lbs. K22062—Your Cost.

ensen SPEAKERS....

JENSEN Type "J" Coaxial Hi-Fi Speakers



"tweeter" mounted in the cone assembly of the "woofer". Provide true high-fidelity response, and are ideally suited for FM and fine AM receivers, for broadcast and recording monitoring, etc. The 15" models incorporate a built-in two channel: network providing high and low-pass channels with attenuation of 10-12 db per octave; also furnished with four-position High Frequency Control Switch on a 36" cable, ("roll-off" control of high range). 12" model has simple bridging type network that affords good wide-range performance; no range control switch with this model. These units can be used with "CA" or "BR" enclosures listed below. closures listed below

Model JAP-60. 15" Speaker

Professional type for FM-AM broadcast monitoring, transcription playback, reference standard for laboratories, etc. Range 50 to 12000-15000 c.p.s. Efficiency 3 db higher than other 16" models. Input impedance 500 ohms. Max. input 14-15 watts. Integral two-channel network. With 4-position H.F. control K19007—Shpg. wt. 24 lbs. Your Cost

Model JHP-52. 15" Speaker

For all general applications such as FM and AM receivers, fine phonographs, broadcast and recording monitoring, etc. Range 50 to 12000-15000 c.ps. Maximum input 12-14 watts. Input impedance 500 ohms. Integral 2-channel network. With 4-position H.F. control. Shpg. wt. 23 lbs

K19002—Your Cost

Model JCP-40. 12" Speaker

Excellent modernizing unit to replace 12" speaker Excellent modernizing unit to replace 12" speakers in radios and phonoradio combinations. Range 50 to 10000-12000 c.p.s. Max. input 8-10 watts. Input impedance 6 ohms. Has simplified bridging type network (no H.F. control)
K19008—Shpg. wt. 16 lbs. Your Cost

JENSEN "CA" Bass Reflex Enclosures



Handsomely designed and finished. Constructed throughout of genuine striped walnut. Excellent for Jensen coaxial speakers above, or for high-fidelity radio, phono or Public Address installations. Styled to go with practically any surrounding. Incorporate Bass Reflex principle. Model CA-12: For 12" speakers. Size: 27%" wide, 31½" high, 12" deep. Shpg. wt. 47 lbs. K18945—

\$27.10 Your Cost.

Model CA-15: For 15" speakers, Size: 27% wide, 31% high, 14" deep. Shop, wt. 57 lbs. K18946 Your Cost \$31.90

JENSEN Model BR Peri-Dynamic Enclosures With Bass Reflex



Improved speaker housings providing finer reproduction than that offered by "Infinite" baffles. Incorporate both "Peri-Dynamic" and "Bass Reflex" features, insuring crisp, clear reproduction of all notes. Made solidly of 1½" plywood. Finished in double coat of rich brown lacquer. Shipped knocked down, all hardware furnished.

Stock	For	1	Dimensi	ons	Wt.	Your
No.	Speakers	H.	W.	D.	Lbs.	Cost
K1899	4 8"	24	x1736)	1114"	35	\$11,12
K1899	5 10"	28	x21)	(121/4"	38	13.82
K1899	6 12"	30%	(x23%)	(12%"	47	15.58
K1899	8 15"	33 1	x25	13%"	60	18.23

JENSEN MT8-C High-Fidelity Reproducer

Comprises a high quality 8" PM speaker housed in a BR enclosure (as shown above). Handles 6 watts continuously. Recommended for all applications where substantially flat response is required from about 50 to 10,000 c.p.s. Ideal for broadcast work, auditoriums, for fine radio receivers, etc. Voice coil impedance 6 ohms. Enclosure has Bass Reflex feature; constructed of plywood with brown lacquer finish. Size: 17½x24x11½4". For floor or wall mounting (brackets supplied). Shpg. wt. 40 lbs.

K18947—Enclosure with 8" PM Speaker. Each

K18948—8" PM Speaker only (PM8CT). Your Cost

\$7.500 chm field. Your Cost

K18949-8" Dynamic (G8RT). 2500 ohm field

9-Watt Model MT-12C

Like the above, but for use where greater power handling capacity is required. Has 12" PM speaker and handles 9 watts continuously. In MT-121 enclosure, 30% x23% x12%". Shpg. wt. 53 lbs. K19001—Enclosure with 12" PM Speaker Your Cost Complete \$28.52

K19000-12" PM Speaker only (PM12CT). Your Cost \$10.44 K19006-12" Dynamic (G12RT). 2500 ohm field. Your Cost . 57.35

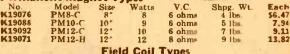
Transformers For Above K19177-Matches voice coil to 500 ohm line. Each \$1.47

K19181-Universal Line (500/1000/1500/2000 ohms). \$2.44 K19183-Universal Tube (any tube, single or p.p.). Each \$2.44

JENSEN PM & Field Coil Dynamic **Concert Speakers**

A series of heavy-duty highly efficient speakers for use in all types of radios, phonographs and public address equipment. All are designed so that they may be used in Jensen BASS REFLEX enclosures and cabinets. Field coil models have hum bucking coils. All models less output transformer. A complete listing of suitable transformers will be found below. Frequency response range of all models meets the accepted standard for high falling area. high fidelity performance

Permanent Magnet Types



Stock	Model	Size	Cap.	Field	V.C.	Shpg.	Your
No.	No	In.	Watts	Ohms	lmp.	Wt.	Cost
K19068	A-12	12"	15	860	8 ohms	18 lbs.	\$14.70
K19070	A-12	12"	15	2500	8 ohms	18 lbs.	14,70
K19072	B12-X	12"	14	1250	8 ohms	16 lbs.	12.05
K19074	B12-X	12"	14	2500	8 ohms	16 lbs.	12.05

8", 10" and 12" Standard Dynamics Models "C"

High quality dynamics ideally suited for radio receivers, P.A. work, etc. Employ heavy field pots, 1½" voice coils and hum bucking coils. VC impedance 8 ohms at 400 c.p.s. 8" models have power capacity of 6 watts, 10" models—8 watts, 12" models—9 watts All less output transformers.



Series "S" Dynamics



Standard Replacements. All less output transformers (see listing un-der Series "S" PM), excepting No. K18977 which includes a 4500 ohm 4 5 0 0 o h m speakers are transformer to 6 ohms. Less

		mate	1 43. etc.
No. Me	odel Size	Ohms	Each
K18956 H4	-S 4"	450	\$1.88
K18957 H4	LS 4"	3000	1.88
K18958 HS	-S 5"	450	1.94
K18978 H5	S 5"	2750	1.94
K18977 H5	-S 5"	3000	2.50
K18979 H	-S 5"	6 volt	1.94
K18980 He	-S 6"	2750	1
K18981 He	-S 6"	1800 ta	\$2.11
		ped at 30	00/74.11
K18982 H	-S 6"	6 volts	
K18983 F8	-RS 8"	2500	1 1
K18984 F8	-RS 8"	1000	\$2.76
K18959 F8	-RS 8"	1800 ta	D-\\$4.10
		ped at 3	00
K18985 G1	0-RS 10"	2500	\$4.85
K18986 G1	0-RS 10"	1250	\$4.0J
K18928 G1	2-RS 12"	1250	\$6.00
K18087 C1			JU.UU

Series "S" PM Speakers

Rugged compact speakers. 5",6" and 8" speaker voice coils are 4 ohms impedance at 400 cycles; 10" a n d

output transformer Model No. K18960 Cost PM4-FS, 4" PM5-FS, 5" PM6-ES, 6" PM8-DS, 8" PM10-GS, 10" PM12-GS, 12" \$2.03 2.06 2.59 3.70 K18968 K 18969 K 18970 K 18971 5 17 K18972

Universal Output Transformers For Series "S" Speakers

No.	Type	F	or	Each
K18973	Line	PM & H PM & H	4, 5, 6, 8	250
K18974				שונים ג
		PM8 DS.		\$1,32
K18976	Tube	PM8 D8,	FS	1.18
NOTE:	10" a	nd 12" s	peaker	s use
		s listed		

Universal Matching Transformers

Match Jensen speakers to any output tubes, single or push-pull, or to universal line (500, 1000, 1500 and 2000 ohms). Shpg. wt. 4 lbs. For Speakers
PM-8C, PM-10C, PM-12C, G12RS, PM12GS
PM-8C, PM-10C, PM-12C, G12RS, PM12GS
A12, B12X, PM12H
A12, B12X, PM12H Univ. Line \$1.82 Univ. Tube Univ. Line \$2.44 Univ. Line
Univ. Line
Univ. Tube
Univ. Tube
Univ. Line
Univ. Line
Univ. Tube K 19025 C8-RS, C10-RS, C12-R, PAH-8, FAB-8 C8-RS, C10-RS, C12-R, PAH-8, FAB-8 \$1.82 K 18965 PM10-G8, G10-R8 PM10-G8, G10-R8 K18967

JENSEN A.C. Operated Field Supplies

FS-10: Supplies 10 watts into 1250 ohm field. With 117Z6GT rectifier. 3½" L., 2½" W., 4" H. Shpg. wt. 3 lbs. \$2.50 Sk19009—Each \$2.50 Sk19010—Each \$6.17

Public Address Horns and Baffles

ECONOMY All-Steel Parabolic Baffle



A fine unit at an un-usually low price. High-ly efficient. Bell is 10" long and has extreme diameter of 17". Speaker housing will akeany 12" speaker, with trans-

former. Overall length 20". Finished in gray wrinkle lacquer. Complete with hardware and gasket. Less mount-ing fixture. Shpg. wt. 9 lbs. K20054

\$7.45 Your Cost. **Accessories for Above**

Mounting Fixture: Shown in illustration. 8" diameter base and 14½" high standard. Black wrinkle lacquer finish. Wt. 6 lbs. \$2.60 Saddle and Swivel: (shown). Fully adjustable. Less base and pipe standard. Shpg. wt. 4 lbs. \$2.097—Your Cost. \$1.45

Waterproof Cover for baffles. Shpg. wt. 1 lb. K20087—Each. 77C

JENSEN "Speech-Master"



AP-10: Desk type P M speaker em-ploys Peri-Dynamic principle. For desk or wall mtg. Has "tilt" adjustment adjustment and sturdy base. Dust-proof and fully

bracket المعرفة المعر

4 ohm voice coil. K18929— \$6.44 As above, less base and pracket. Mounts in 427 64" swivel bracket. cutout. Wt. 4 lbs \$5.23 K774

Kainer De Luxe All-Steel Projector

Constructed of heavy spun steel alloy and will accommodate all types of 12" speakers with or without transformers. Rear housing has back pressure release. Overall length, 20"; bell, 17"; flare extension, 11". Screened breather opening. Finished in baked art metal grey. The fixture to which the lower bracket or extension can be attached is welded to the baffle. Fixture is tapped to fit standard ½" pipe. Bracket, which is obtainable separately, has a tilting dog-toothed adjustment with swivel and lock nut. Shpg. wt. 13 lbs. K20077—Model J-12
Your Cost (less bracket)

Reserved.

Sa. 82

K20078 - Bracket only. Your Cost



\$1.47

Over Length

KAINER All-Metal Trumpets

High efficiency reflex projectors that are entirely weather-proof—suitable for all indoor or outdoor installations. All metal construction assures excellent acoustic properties, ruggedness and durability. Beautifully finished in baked on gray art enamel. Have molded rubber rims Supplied with adjustable mounting fixture. A have threaded attachment for driver units listed

Bell	Acoustic	Proj.	Wt.	Your
Dia.	Length	Angle	Lbs.	Cast
21"	48"	80°	16	\$13.52
25"	58"	90°	20	21.75

Stock

K24013

25-Watt Driver Units

Excellently designed PM drivers built with finest materials. Diaphragms are breakdown proof at rated capacity of 25 watts continuous operation. Units are waterproof from all angles. Have heat

dissipating voice coils.

Standard Model: Range 70 to 5000 c.p.s. Voice coil imp. 15 ohms. Shpg. wt. 6 lbs.\$19.40 K18943—Your Cost.

Heavy Duty Model: Range 60-5500 c.p.s. K18944—Shpg. wt. 10 lbs. Your Cost...

\$31.16

IRC 21-Step Attenuators. Utilize a molded motor commutator switch with con-



Othlize a moded motor commutator switch with conducting segments of drawn copper and clock-spring connectors. Exceptionally low noise level. Attenuation from zero to infinity in 21 steps. Has removable cover and calibrated dial. Size: 2x2"; centers 1½" apart. Available in popular ladder or potentiometer network types. Supplied with black molded fingergrip knob.

		P. ib at	OD.				
1 2 3	Ohms 50 200 250	Network Ladder Ladder Ladder	Each \$6.86 6.86 6.86	No. K7744 K7745	Ohms 500 1/4 Meg.	Network Ladder Potent.	56.86 6.62

Collapsible Floor Stand For Parabolic Baffles Light weight



and fine appearance. Telescop-ing sections are ing sections are of seamless steel tubing. Clutch permits quick and simple adjustment from 46 " to 78 ". Black ename! finish. Rubbertipped legs. Shog wt 15 kg. Shpg. wt. 16 lbs. K20059—

Stand Only Your Cost \$7.35

Car-Top Horn Carrier



Consists of a waterproof varnished plywood platform with sturdy angle irons secured to four suction cups. Doubly secured by straps that anchor to the drip rail over the doors by means of rubber covered hooks. For all steel cartops or for steel tops with fabric center up to 41½" wide. Easy to install. Size: 6x46½". Shpg. wt. 8 lbs. K20085—Your Cost. 4.31

As above, but 8" wide. K20028 Each. \$4.63

Walnut Paging Baffle

8" Model. A beau-tifully polished walnut haffle for deluxe paging systems. Accommodates any standard 8" PM

speaker. Has
frieze grille cloth. Size: 11" high10" wide, 6½" deep at top and 3½"
deep at bottom. Complete with hardware. Shpg. wt. 6

K21326-Your Cost

During the present emergency, we must reserve the right to substitute like quality and make price changes without notice, wherever and whenever

UNIVERSITY IB-8 "Booster" Speaker

K7741



Compact intercommunicator "booster" speaker having extremely high projecting power due to very high reflex efficiency. Clear sound output overcomes industrial factory background noises. "Booster" effect of speaker gives same results as added "booster" annification. amplifiers. Impedance 8 ohms; power capacity 12 watts. Bell 7½" dia., depth 7½". With mtg. bracket and rubber rim. Shpg. wt.

\$15.52 K19348-Your Cost

Model CR-4: Heavy duty model, similar to above, that has a power capacity of 20-watts. Voice coil impedance 8 ohms. Bell 11" dia.; depth 8". Shpg. wt. 8 lbs. \$2.4.70 K24015 Your Cost

UNIVERSITY 360° Radial Projectors



New type ceiling speakers that combine pleasing appearance and compact construction with the rich tone quality of large, well designed wall type enclosures. "Infinite Baffle" sealed acoustic chamber is responsible for the added bass response

afforded; cone is properly loaded. Give uniform coverage in all horizontal directions (360°). Easily mounted; single point suspension. Projection angle is about 15° down for most effective sound placement. (Ather features: All Metal weatherproof construction: "rubber' tire" rims; "floating rubber" cone mounting; back pressure "breathers".

meathers						
No.	Model	Cone	Diam.	Height	Weight	Each
K24016	RBP8	4."	17"	8"	15 lbs.	\$11.52
K24017	RBP12	12"	26"	10"	27 lbs.	17.29

UNIVERSITY Reflex Projectors

With "Rubber Tire" Rims

High efficiency exponential air column type projectors with heavy-gauge all-metal spun horns. Ultra compact and easy to install. Incorporate design features that insure superior acoustic results. Non-resonant rubber rims with each unit. Easily handle 25 watts of audio power. All furnished complete with universal "U" type mounting bracket. Finished in battleship grey. All are 100% water-proof—suitable for outdoor use. Less driver

inits (lister	below)).	e. Less ar	IACL		
Stock No. K20049 K20047	Model No. PH* LH**	Bell Dia. 21" 25"	Length In. 16" 21"	C.P.S. Cutoff 140 115	Shpg. Wt. 9 lbs. 12 lbs.	Your Cost \$14.26 23.08
-Acoustic	length	42"; **_	acoustic ler	igth 54".		

UNIVERSITY Driver Units

Built to the highest standards of electrical and mechanical tolerances. All employ Alnico magnets to insure peak efficiency. Other features include: rim centering for perfect alignment and greater efficiency; breakdown proof diaphragm suspension; heat dissipating voice coil; sealed diaphragm construction makes the balance of the

unit water	proof. Al	I have sta	ndard threa	d to fit all s	tandard pr	ojectors.
Stock	Model	Cap.	V.C.	Range	Shpg.	Your
No.	No.	Watts	I'mped.	C.P.S.	Wt.	Cost
K21303	MD8	12	8 ohms	-	4 lbs.	\$12.94
K21301	SAH	25	15 ohms	70-5000	6 lbs.	19.40
K21302*	PAH	25	15 ohms	60-5500	12 lbs.	31.16

*—Heavy duty model: relative acoustic output 93

Public Address and High Fidelity Speakers

JENSEN S-81 Peri-Dynamic Projector



Dynamic principle. Speaker enclosure is sealed to the bulkhead with a neoprene gasket. Entirely weatherproof. Length overall 30", bell dia 24½". Shpg. wt. 23 lbs. Less stand. K19045— All steel projector employs famous Peri-

\$23.52 PAM-8 PM SPEAKER: Handles 15 to 25 watts. Has heavy magnet, 7" disphragm and 1½" voice coil. Range 110 to 5500 c.p.s. Especially fine middle register. Less transformer. Shpg. wt. 8 lbs. \$11.76 K19050—Your Cost. KER: Like shove but field coil type. Pield

FAB-8 DYNAMIC SPEAKER: Like above, but field coil type. Field resistance 1250 ohms. Requires 10 watts excitation. Less transformer.

Shpg. wt. 10 lbs.

K18931—Your Cost
Projector with PM Speaker. Less stand. SPH-81.

K19004—Shpg. wt. 30 lbs. Your Cost
Projector with Dynamic Speaker. SFB-81. Wt. 32 lbs.

S36-75 K18932—Less Stand. Your Cost K19005—EA-5 Stand only. Adjustable. Wt. 6 lbs. Eac K19041—Waterproof cover for proj. bell (ST-570). Each

UNIVERSITY "Baby Bull" Projector

A dual-driver 50-watt unit ideal for air raid alarm systems and other National Defense work. Superpower covers long distances and overcomes high background noise. Dual acoustic assembly protected by dust cover, (use drivers listed on page 38). Overall length 27", bell dia. 31". With universal type "U" bracket. Heavy metal. Shpg. wt. 25 lbs.
K24018—Less driver units

\$38.07 \$38.07



Your Cost

Marine Midget Speaker

Marine type waterproof speaker of reflex design. For installation anywhere, indoors or out. 10½ bell dia; overall depth 8". Heavy aluminum bell, grey finish. Bullet insert of acoustic material. Powerful 5" PM cone type speaker. 5-watt capacity. 6 ohm voice coil. Shipping wt. 4 ibs. K20072— Your Cost, Complete

CINAUDAGRAPH P.A. Speakers

Finest PM speakers available. Feature high power rmest rim speakers available. Feature high power handling capacity, excellent frequency response, high efficiency Ferainic magnets, ribbon wire ACIM voice coils on the larger units, polyfibrous cones. Sturdy metal frames are beautifully finished. All supplied less output transformer; suitable tube and line matching transformers listed at right.



Stock						V. C. Wt. Your
No.	No.	Diam.				Ohms Lbs. Cost
K19379	PM-8-11	8"	8	11	1"	
K19381	PM-10-12	101/4"	9	12	1"	6-8 7 7.35
K19391	PM-12-16	12"	13	16	11/4"	6-8 11 13.23
K19382	PM-12-18	12"	15	18	11/5"	6-8 12 19.11
K19397	PM-15-18	15"	15	18	11/2"	6-8 20 22.04

CINAUDAGRAPH Linear Standard PM Speakers High fidelity speakers with curvilinear cones and 6-8 ohm voice coils. Low distortion. Highly efficient Feralnic magnets. Less transformers. No. Type Diam. Watts Lbs. Each K19412 LM-8-8 - 8 8-10 8 \$5.88 K19413 LM12-13 12 13-18 12 14.70

CINAUDAGRAPH "Cinaxial" Dual Speaker



Coaxial type high fidelity "woofer-tweeter" combination designed to give ultra wide-range frequency response. The ensemble comprises a 12" bass speaker and a 5" high frequency speaker complete with its crossover network. Frequency range covers from 40 to 15,000 c.p.s., plus or minus 5 db. Has all the exclusive features of the Linear Standard series (above): special wider Feralic magnet structure curvispecial spider, Feralnic magnet structure, curvilinear cones, etc. Input impedance 6-8 ohns. Sturdy metal frame is beautifully finished. Ideal for fine A.M.-F.M. receivers, studio work, etc. Shpg. wt. 20 lbs. \$27.93

CINAUDAGRAPH "Mallard" PM Speakers



Designed originally to meet U. S. Navy specifications for marine units, the "Mallard" speakers are entirely water proof. Ideal for all outdoor installations. Exceptionally rugged, yet have fine frequency range. Overall finish in moisture-impervious paint. Voice coil impedance 6-8 ohms; voice coil diameter 1". All supplied less transformer (see list above, at right).

No.	Size	Watts	Shpg. Wt.	Each
K19408	6"	6 (10 peak)	3 1/2 lbs.	\$8.53
K19409	8"	8 (15 peak)	4 lbs.	9.70

LAFAYETTE 12" PM Dynamics

These highly efficient PM speakers utilize These highly efficient PM speakers utilize the latest type magnets to insure extremely fine quality. Will handle great audio output without distortion; in listing below, first number indicates normal wattage rating, second number peak wattage (10-15 watts means 10 watts normal, 15 watts peak). Frequency response covers the entire audible range. Construction features include: plated metal frames, ruggedly assembled; dust proof magnets covered by remove bled; dust-proof magnets covered by removable pressed fibre housings. Ideal for P.A. Systems, fine radios, centralized systems, etc. Less transformers, (See below.)

		Normal	Peak			-	
No.	Model	Watts	Watts	Voice Coil	Magnet	Shog. Wt.	Each
19222	P12	10	15	6-8 ohms 1"	12-02.	7-1bs.	\$5.95
19227	P12E	13	20	6-8 ohms 1"	20-oz.	9-lbs.	8.43
19228	P12F	16	24	6-8 ohms 11/4"	31-oz.	11-lbs.	9.12
19224	P12G	18	26	6-8 ohms 11/4"	46-oz.	13-lbs.	12.83
19198	P12GS	20	30	6-8 ohms 132"	64-02.	15-lbs.	18,39

LAFAYETTE 15" Concert Dynamics

Model 15G: Highly efficient heavy-duty field coil speaker, ideal for P.A. use. Frequency response essentially flat from 60 to 8000 c.p.s. (with proper baffle). Has 1½ dia. voice coil with 8 ohm impedance. Normal wattage 22, peak 33. Heavy metal frame with metal stand base having a terminal block on the back. Supplied less transformer (suitable transformers listed below) transformers listed below). Shpg. wt. each 21 lbs. Stock No. Field Res.

K19310 5000 ohms

Your Cost \$12.17



LAFAYETTE 12" Concert Dynamic

Model 12F: Similar to above, but without the metal stand base. Capacity 12 watts normal, 18 peak. 1½" voice coil dia. Less transformer. Field resistance 2500 ohms. K19214—Shpg. wt. 11 lbs. Your Cost

Universal Line and Tube Transformers For use with all Lafayette and other speakers on this page. Universal tube type matches voice coil to any tube, single or p.p.; universal line type match voice coil to 500, 1000, 1500 or 2000 ohm line. Average shpg. wt. each 2 lbs.

For Speaker	Un. Line	Un. Tube	Each
P12, P12E, 10AC12, 12AC12, 12AC20	K19190	K19194	\$1.05
12F, 12FB, P12F, P12G, 12AC40	K19191	K19195	1.37
P12GS, 12AC75, 15G	K19192	K19196	1.66
Heavy Duty, 15"	K19193	K19197	1.66

LAFAYETTE Fabrikoid Wall Baffles



Efficient enclosed speaker baffles that have correctly angled front faces to provide coverage over a wide area. Can also be placed on the floor or stage to direct sound up. (Grille bars on 10" and 12" models, only). STANDARD: made of hardwood with brown leatherette coverage. with brown leatherette cov-ering; DE LUXE: selected



hardwood veneers with cov-ering of Spanish grain brown leatherette and with inner lining of sound-absorbing material which reduces baffle resonance and

K20060

Average Shpg. Wt. 8 Lbs.
No. Speak. H.W. D.

K20060 6" 8/ya 7 1/ya 14 14 1.9

K20063 8" 10/4x 9 x64" 1.90

K20064 10" 14 x12 x814" 2.65

K20066 12" 15 x14 x10" 2.65 DELUXE MODELS (Right)
A verage Shpg. Wt. 12 Lbs.
No. Speak. H. W. D. Each
K20042* 8" 10½xx 9x 6½" \$1.95
K20055* 10" 14 x12x 8½" 2.95
K20056* 12" 15 x14x10"

*—Supplied with mtg. hardware. K20064

NOTE: The Lafayette speakers listed above are built by large

UTAH 15" Permo-Dynamic Speakers



High fidelity PM speakers designed for use in large P. A. installations, in theatres, etc., where great power handling capacity and wide-range response are required. Features include: giant magnets of latest type alloys; 2" diameter voice coils with 8 ohms impedance; coils treated with reactive lastic services. coils with 8 ohms impedance; coils treated with special plastic cement so as to be unaffected by heat and humidity; voice coil suspension of special celanese cloth—dustproof and highly efficient at low frequencies; cones treated to make them impervious to high humidity. Heavy metal stand has mounting bracket on back. Supplied less transformer (suitable transformers listed above)

No.	Manual	Watts	Ch TIV	_
(19358	Magnet 15 lbs.	27 Normal, 40 Peak	Shpg. Wt. 32 lbs.	S46
(19364	23 lbs.	30 Normal, 43 Peak	40 lbs.	61.



POPULAR EXACT DUPLICATE REPLACEMENT SPEAKER CONES

Seamless one piece cones that duplicate the original units. Feature enduring, non-resonant quality. Voice coils are accurately wound

and firmly attached to cones.

Only popular numbers are listed below; we can supply on order any cone not shown below—give make and model of receiver, or send in your old cone with voice coil and spider attached.

Vo.	Description	Dia.	Each	No.	Description	Dia.	Each
K19525	Admiral 5X,6M,6B,6	١,		K19578	Jensen T3 Jensen F6R	5"	50.73
	SA, A1, A2, A3 Airline 62-518	615"	\$0.88	K 19576	Jensen F6R	614"	.88
K19553	Airline 62-518	. 5"	.73	K19607	Jensen PM6GS	612"	.88
K19558	Airline 62-173, 62-175.	634"	.88	K19612	Jensen G8R, PM	8C	
K19558	Arvin 20A, 25, 29, 15.	634"	.88		(21/2"-holes diam.)	8"	1.32
K19501	Atwater-Kent No. 1514	2		MIALOT	Jensen PM12C	12"	1.71
*********	55, etc.	10%"	1.32	K19613	Jensen PM12B	12"	. 1,71
K19782	Atwater-Kent No. 1437			K19519	Jensen D7, D8	. 11%"	1.71
K 19507	A-K Part No. 26243-71	4 1074	1.32	N 13041	Jensen A12	12"	1.71
M13301	112, 511, 810	103/7	4 22	K19615			
MAGETE		10%	1.32		in Zenith 862, 11	62,	
WT3310	Belmont 777 (Jensen				811, 812	12"	1.71
MIGEE	F6R) Belmont 667, 740	. 6 %		K19626	Majestic G10B, G106	C. 73%"	1.18
M13338	Charmeles 005050	634"	.88			9"	.97
W19090	Chevrolet 985252 Chevrolet 985301 (Rola	61/2"	.88			9"	.97
K19663	Crosley A157, 517, 54	, 8	1.32			10"	1.32
M13333	5517.	5"	.73	K19533 K19576		12"	1.71
K19512	Crosley 159, 634, 650		.13	K19558		6R) 61/4"	.88
712323	716, 5V1, 6H3, 528	,		M 10000	0-11 = 1 (0 -1 -1		.88
	168, 555, 555J		.88	K19689		ler) 5"	.73
K19553	Delco R663	5"2	.73	K19687	Pole DD4	. 8"	1.32
K19563	Emerson AX211, 4X8		.,,	K19589	Role E4	5 #	.73
	324	4"	.59	K19640	Role P5	61/8	.88
K19606	Emerson CT275, 6JS			K19648	Role F6 F9	73.6"	1.18
	368U	1"	.59	K19689	Rola K8	1	1.32
K19543	Emerson A130, A132			K19588	Rola G12	12"	1.71
	1148, 149	. 5!4"	73				.88
K19697	G.E. A53, E62, A63, U7	0 6%	.59		Sparton 537, 547, 51,	8. 616"	.88
K19560	G. E. A52, A55, A64, A68	i, ·		K19553	Utah CV27, 5B6, GI	J16 5"	.73
	170, A83.	. 8"	.73	K19558	Wells Gardner 6D. 7	J. 616"	.88
K19544	G.E. E Series, 79, 81, 10	5 12"	1.18	K19571	Victor R32, RE45, et	c. 9"	.95
M19548	Grunow 650, 651, 661			K19558	Zenith Pt. 49-81, 808,	805 634"	.88
	670, 750, 8A3, 8A4			K19576	Zenith 5S127 (Jensen). 616"	.88
	SC4, used in Chevrole			K19574	Zenith Pt. 49-27, 50,		
	600565, 600249, 98530	0 83%".	1.32		70 .	1214"	1.62
0	- BOA MOTO	200		_			

	600565, 600249, 9	85300 8	36". 1.32	70		214"	1.62
Gen	uine RCA-VIC	TOR	Cones	Cones for PHI	LCO	Set	s
Stock		RCA	Dia. Your	Stock	Philco	Dia.	Your
No.	For Models	Part	In. Cost	No. For Models	Part	In.	Cost
		No.	Each		No.		Each
K19406	R28, R28P, RE40, R22,			K19500 TH-4.	16-1469	4"	53e
	100, 101, 110, 111.		5" 59e		36-3029	51/4"	59c
K19410	R37, 38, 37P, 38P, 112,			K19552 5, 5T (auto)	02861	53/4"	59 c
	120, 121, 122, 142B,			K19682 37-600, 37-602, 37-604	36-3029	51/4"	59 c
	341B, 310.		634" 59c	K19515 38-12 Code 121 (Run 6)	45-1344	51/8"	59c
K 19496	SWA3, R24, R71, R71B	8921	71/2" 70c	K19543 38-12 Code 121. (Runs			
K19405	R32, 52, RE45, RE75	10801	9" \$1.39	1-5)	36-3981	51/4"	73c
K19210	100A, B, 103 (mag.)	8359	9" 59c	K19703 816, FT9		5"	59 c
	R6, 7, 8, 9, 10, 11, 12,		, ,,,,	K19516 1708, F1740		67/8"	65c
	RE18, RE19, 14, 15, 17,			K19681 34B, L.	36-3157	73/20	59c
	21, 42, 48.		014" \$1.41	K19528 37-38B, F	36-3540	71/2"	59c
K 19403	34, 35, 39, 50, 55, 59,		074 31.41	[C. 13011 0, 7, 0, 3, 10 (Mato).	36-3159	73/4"	59c
1213403	30, 82, 86, RE20		03%" \$1.18	K19547 20, 21	36-3824	85/8"	73c
K 10405	C11-1, C13-2, C15-3			K19400 40, 41, 65.	36-3170	107/8"	8Ze
W13433	Citi-1, Cio-2, Cio-3.	8056 E	2 920	K19529 16B.	02625	1084"	82c

Midget Speaker Field Coils

Fit most midget 5" and 6" speakers. Impregnated. Approx. size: 1" 4x 34", 34" hole. K19477—1000 ohms K19478—1500 ohms K19478—2500 ohms K19480—3000 ohms



Replacement Field Coils

We can supply any standard or special field coil on order. Please submit all necessary informa-

Cion, Or	ochu sampie.		
No.	Set or Speaker	Ohms	Each
K19447		2730	\$3,47
K19657	Majestic G4, G5.	7650	3.47
K19678	Majestic G3	2730	3.47
K19458	Philco 20, 21 (2768)	3100	1.30
K19456	Philco 65, 76, 77, 86, 87,	3100	1.30
	95, 96, 111 (2850)	3200	2.92
K19486	Victor R-32, 45, 75	3000	3.07



CONE CENTERING SHIMS

Flexible celluloid shims that will last. Sixteen shims in a handy leatherette folder. Contains four each of the following sizes: .0125", .010", .0075" and .005". Take care of all speakers Take care of all speakers. K19649

Your Cost, Kit of 16.

35°



Cement Kit

An efficient radio repair cement kit for speaker cones; voice coils, r.f. coils and chokes. One bottle of all purpose ce-ment, and one bot-tle of thinner. Com-

plete with brush. K19499— Your Cost

36°

3/4" Celotex Speaker Baffles



Fine grade, %" thick. Five sizes supplied; specify hole size desired when ordering. Shpg.

Wt. 2 [os. per s	iq. it.	
No.	Size	Hole	Each
K19714	12x12"	5, 7 or 9"	\$0.35
K19715	18x18"	7 or 9"	.70
K19716	24x24"	7 or 9"	1.10
K19717	36x36"	9 or 12"	2.15
K19718	48x48"	None	4.50

Speaker Grille Cloth

Approx. 12x12".

K19609—Each
10 Pieces For \$1.75

Grille cloth 50" wide, cut to your specified length.
K20949—Your \$1.15





Each tapped at center. Resistance Each Side c.t.

500 M | Meg.

Gain Control
Like above but without center tap.

Resistance 250M (

500M 1 Meg. 2 Meg. "Delta-T" Pad

No. K9004

K9005

K9001 K9003 Dual control maintaining constant impedance to both sides. For sound amplifiers, re-

Stock No. K9000

CENTRALAB FADERS

quiet fading from one source to another.

Your Cost

Each

\$1.18

4-Wire Speaker Cable

Heavy rubber covering; hemp filler. Color coded. Wt. 6 lbs. per 50 ft. 100 Ft. for \$4.50. K16154—Per Foot.

2-Wire: Like above. Excellent for portables. K20945—Per Foot.... 31/2c 100 Ft. for

2-Wire Cable

For permanent installations. Live rubber covering. Ridged for easy separation of conductors. In Black, Ivory or Brown. Specify color desired when ordering.

	920											-
er	Fo	0	t.	. ,								2 c
00	Ft.											\$1.75
00	Ft.						,					\$7.85



Straight Fader For use with high impedance input devices, xtal pickups, mikes, etc. Provide smooth

CLAROSTAT 10-Watt Output Attenuators



Ohms

8 15

K7837 K7838

7-watt Output Attenuators
Type CIB: Compact constant impedance
attenuators that will dissipate 10 watts in any
position. Ideal for individual speaker controls.
Linear attenuation in 3 db steps to 30 db,
final step to infinity. Units are 2* dia, 2½,"
long. Mount in single hole. Bushing ¾*;
shaft 1" long. Supplied with dial plate and
knob. Shpg. wt. 1 lb.
Ohms No. Ohms Any Type, Each
9 50 K7841 250 \$6.37

Any Type Above....
"T" Pads:
Any Type Above....

	V	Į.		
LIM		TPU		
1.1/		* :	190	

K7840

All Hall Hall Hall Hall Hall Hall Hall H	
For controlling	level of low imp.
	mikes or phono.
etc. With knob	, dial and plate.

R/842	500	
	"T" & "	" Pads
"L" Pads		"T" Pads
No.	Ohms Imp.	No.
K6356	6	K6362
	8	K6363
K6357	15	K 6364
K 6358	50	K 6365
K 6359	200	K 6366
K6381	250	K 6382
K6360	500	K6367
K6361	2000	K6368
"L" Pads:		2.06
Any Type	Above	4.00

\$2.94

UTAH "T" & "L" Pads





The open frame type mounts in a single V_0''' hole. Dimensions $2^{11}V_0'''$ diameter, $1^{11}V_0''''$ deep. Enclosed dual frame type, $1^{11}V_0'''$ diameter and $1^{11}V_0'''$ diameter and 11/2" deep.

	Matt F	Pads (A)
No.	Ohms	No.	Ohms
K6388	- 8	K6391	
K6389	16	K6392	
K6390	50 '	K6393	1000
	ost Each,		45
Any At	ove Type.	" I	.47
15 Wat	t "L"-10	Watt "	T' (B)
Imped.	15W"L"	" 10W	wire
Ohms	Stock No.	Sto	ck No.
8	K 6567		K6571
16	K6568		K6572
50	K6394	1	K6396
200	K6395	1	K6397
500	K6569		K6573
1000	K6570	Any	K6574
Any T	ype, \$1.9	Type	\$2.20
Each	1.3	Each.	Z.ZU

Corders, etc. Stock No. Imp. K9006 50 ohms K9007 200 ohms K9008 500 ohms \$2.06

Quality SPEAKERS for Every Requireme



LAFAYETTE PM SPEAKERS

High quality permanent magnet all-purpose speakers. Each matches in sensitivity a comparable field coil type. Have high permeability magnets; one piece seamless cones; plated metal frames. Voice coil impedance 6-8 ohms. All supplied less output trans-

Stock	Diam-	V.C.	Wat	tage	Depth	Shpg.	Your
No.	eter	Dia.	Nor.	-Peak	ln.	W٤.	Cost
K19268	316"	8/8"	233	4	21/4"	2 1bs.	\$1.98
K19269	5.*	96"	3	41/2	219 27	3 lbs.	2_04
K19270	6"	34"	4	6	215/4"	3 lbs.	2.51
K19271	8"	**	6	8	313/2"	4 lbs.	3.04
K19290	10"	1 "	8	10	615"	6 lbs.	4.90
K19272	12"	1"	9	1	64-6"	7 1bs	5.95

Universal Tube Transformers for	Above
K19273—For 3½", 5" and 6" models. Your Cost K5667—For 8" model. Your Cost	
K1535—For 10" and 12" models. Your Cost	

LAFAYETTE Frequency Modulation Speakers

Range: 8" unit up to 12,000 c.p.s., others up to 10,000 c.p.s. 1" voice coils, 8 ohms impedance. All have 20 oz. magnets. Less transformer.

Stock	Dia.	Cap.	Watts Sh	pg. Wt.	Your
No.	In.	Normal	Peak	Lbs.	Cost
K19316	8"	10	15	5	\$6.22
K19317	10"	11	17	6	7.28
K19318	12"	13	20	7	8.47

K19194—Universal Tube Transformer K19190—Univ. Line Trans. (500/1000/1500/2000 ohms) \$1.05

Due to present market conditions we are unable to determine at this time future availability of the PM type speakers listed in this catalog. As a satisfactory substitute we suggest the following speakers with "AC excited" type fields.

LAFAYETTE "A.C.—Excited" Speakers



High quality speakers with fields especially designed for operation from a standard field exciter such as the one listed below. Voice coil impedance of all models is 6-8 ohms. Supplied less transformer and field exciter (suitable transformers listed on page 39)

Imoca on	hale only				
No.	Model	Dia.	Field	Wt.	Each
K18936	AC1012	10"	1950 ohms	7 lbs.	53.49
K18935	AC1212	12"	1950 ohms	7 lbs.	4.10
K18900	AC1220	12"	2000 ohms	9 lbs.	5.29
K18934	AC1240	12"	1500 ohms		6.61
K18933	AC1275	12"	1240 ohms		10.19
Power ca	pacity, 12	2" mos	dels: 10, 13,	16. 21	Watts.

A.C. Field Exciter

Humless supply, operates from any 110/120 volt, 50/60 cycle AC line. Uses type 117Z6GT rectifier (supplied). Mounts directly on speaker frame. Delivers 14.4 watts into 1000 ohms; 9.2 watts into 2000 ohms; 8 watts into 2500 ohms. Wt. 2 ibs.

K18901—With tube. Your Cost \$3.45

LAFAYETTE DYNAMIC SPEAKERS

Any Type



A quality line of speakers for general replacement purposes. Also good for light public address work. They have a practically flat response, when properly baffled, varying from 100 to 4500 c.p.s. Formed one-piece cones. Models with universal tube matching transformers will match any single or push-pull output tubes. Connection chart included.

3½" and 4" Diameter Models
For call systems, hearing aids and midget radios. Less transformer. Shpg. wt. 3 lbs.
3½" No. 4" No. Field
K19279 K19115 450 ohms \$1.39
K19278 Universal tube matching transformer for any of the above models

5" Diameter Models

All less transformers. Average wt. 3 lbs. Stock No. Field Stock No. Field K19261—450 ohms K19263—3000 ohms K19264—1800 tapped at 300 ohms. Your Cost, Each

Special Transformers for 5" Models
 Stock No.
 Impedance
 For Tubes

 K19286
 2,000 ohms
 25B6, 25L6, etc.

 K19287
 4,000 ohms
 25A6, 43, etc.

 K19288
 10,000 ohms
 41,6C6G, 6A4-LA

6" Diameter Models

All equipped with universal tube matching Att equipped with universal tube hatching transformers. Average shpg. wt. 4 lbs. Stock No. Field Resistance K19122 6 ohms (for auto sets) K19165 1000 ohms K19109 1800 ohms tapped at 300 K19166 2500 ohms

8" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 6 lbs. Stock No. Field Resistance K19307 1000 ohms K19283 1800 ohms tapped at 300 \$3.20

10" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 7 lbs. Stock No. Field Resistance K19284 1000 ohms Each K19285 2500 ohms \$4.36

12" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 9 lbs. Stock No. Field Resistance Each 1000 ohms 2500 ohms \$5.10 K 19295

Magnetic Speakers



Extra sensitive speakers with balanced armatures. Adjustments are main-tained indefinitely. Have plated metal frames. Solder lug terminals Wt. 3 lbs.

Diam.	Each \$1.20
5"	1.28
81/4"	1.99
	3" 5" 6"

Special 31/2" Magnetic



Balanced arma-ture type, similar to those listed above, but especially designed for inter-communi-cator systems, etc. Has 3½" square mounting flange. Mounting holes Wt. 11/2 lbs.

\$1.25

During the present emergency, we must reserve the right to substitute like quality or to make price changes without notice whenever necessary.

LAFAYETTE Dynamic Auto Speakers

10"-12"

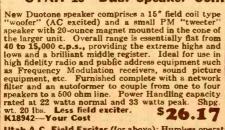


High quality speakers that are exact replacements for over 90% of the units in use today. Feature excellent quality of reproduction and correct design. All have 3 ohm voice coils and 4 ohm fields. Supplied less transformer and mounting bracket; all have pin-jack terminals. One side of field grounded to frame. Models marked

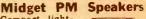
with asterisk (*) are also drilled and tapped for ½ "No. 20 mtg. bolt.

No. Dia. Type Wt. Each No. Dia. Type Wt. Each
K18341 5" A 3 lbs. 51.80
K18930 6½ "A 4 lbs. 2.31
K18939 7" B 5 lbs. 2.91

UTAH 15" Dual Speaker Combination



Utah A.C. Field Exciter (for above): Humless operation at 117 volts, 60 cycles input. Max. output 12 watts at 105 ma. Includes ballast and plug. Less cord and 50 Y6GT rectifier. Wt. 3 lbs. \$2.79 K18903—Less rect. tube. Your Cost



Compact, light-weight speakers that employ effi-cient permanent magnets. Idealfor call and paging systems, hearing systems, hearing aids, intercommu-

model has 4 ohm voice coil, all others 3 ohms, 5" model has round frame, others square. Less trans-former. Shpg. wt. each 11/2 lbs

No.	Dia.	Watts	Each
K19155	216"	1	\$1.24
K19123	314"	2	1.32
K19132	31/2"	3	1.40
K19111	4"	2	1.32
K19112	4"	. 3	1.59
K19113	5"	2	1.40
K19114	5"	3	1.59
Univ	ersal	Outp	uts



Popular strap mtk units that practi-cally match any tubes, single or push-pull, to any

push-pull, to any standard voice collinstructions supplied Three sizes: small for speakers from 3½ to 6°; medium for 6° to 8°, large for 8° 1.4.12°.

iarge 10	r w to 12		
No.	H. x L. x Wi	Ctra.	Each
K19273	1116x1116x1159"	2"	\$0.79
K5667	1 56x1156x136"	204	.79
K1535	1156x2 36x136"	2134"	1.06



TUBE and SET TESTERS

HICKOK Tube and Set Tester



Model 510X Tube and Set Tester, Comand Set Tester. Complete servicing outfit incorporating a true Dynamic Mutual Conductance Tube Tester with ranges: 0/3000/-6000/15000 micromhos, and a Set Analyzer. Checks tubes with filament voltages from 1.4 to 117 V. Checks ballast and pilot lamps. Set Tester AC-DC Volts, 0/20/200/500/1000. DC 20/200; Ohms, 1 to 25 megs. in 3 ranges

ranges: AC-DC Volts, 0/20/200/500/1000. DC ma., 0/20/200; Ohms, 1 to 25 megs. in 3 ranges—no batteries. Microfarads, 0001 to 24 in 3 ranges. Has 5" square meter. Black leatherette case 14x13\(^4\)x6". Shpg. wt. 24 lbs. K21638—

\$71.74

JACKSON Model 637 Dynamic Set Tester



- Push-Button Range Selection
- 27 Different Ranges
- 6" Illuminated Meter with 2% Accuracy

A complete servicing instrument for bench or portable use. Combines 27 ranges and 10 functions. Tubes are tested under normal working conditions by the "Dynamic" method. All filament voltages from ½ to 115 volts are available and provision for testing all ballasts. Sensitive neon leakage test can also be used to check condensers. Ranges are: A.C. and D.C. volts 0/10/100/250/500/1000/2500; output meter from minus 10 to plus 54 db; D.C. Current 0/1/10/100/250 ma., 0/10 amps.; resistance 0/3000/3000/30000 ohms, 0/30 megohms. All range selection is made by sure action push-buttons. 0/3000/300,000 ohms, 0/300 megonms. All range selection is made by sure action push-buttons. Illuminated 6" meter accurate to within 2%, in oak case 14%x13%x6". With self-contained ohmmeter battery and probes. Shpg. wt.

\$60.27 K21440-Your Cost

SUPREME Model 599-P Tube-Battery-Set Tester

This instru-ment has all the foolproof tube checker circuits and all the features neces-sary for effi-cient tube checking. The U. S. Army and Navy specify: "Port-able Tube Checkers will



Checkers will be of the emission type." Supreme tube checkers represent 8 years of development and improvement of the emission principle. They are fool-proof. Battery testing functions same as in Model 589. In addition, following set testing functions are provided: D.C. volts 0/6/15/150/600 (guaranteed rectifier circuit): 4 output meter ranges; D.C. Ma., 0/6/60/600; Ohms .1/200/-20,000, 0/2/20 megohms. Tests electrolytic and electrostatic condensers for leakage. Accuracy 2%, D.C., 3% A.C. Airplane luggage case with slip-hinge cover and handle. Complete instructions furnished. Size: 11/4x9/4x5/4". Shpg. wt. 12 lbs.

K21754—Your Cost.

TRIPLETT Model 1183 Combination Tester



Has 4" Triplett "Red Dot" lifetime guaranteed meter. Tests all tubes, including loktals, Bantams and miniatures. Free point tester makes all voltage and current tests at tube sockets without disconnecting any leads. Analyzer ranges: 0/10/50/250/500/1000 volts A.C. and D.C. (D.C. volts at 10,000 ohms/volt; A.C. volts at 2000 ohms/volt; 0/1/10/50/250 D.C. ma; three ohms ranges cover 500 to 1½ meg. Has neon short and leakage indicator. In portable metal case with snap-on cover. 14½x 7½x4½". Shpg. wt. 21 lbs. \$53.74

NOTE: Our stock of test instruments is unusually large even in these times. Try us first for whatever meter you need.

RADIO CITY PRODUCTS

Model Tube and Set Tester

This excellent instrument combines an ultra-modern tube tester and a comprehensive set tester within



nensive set tester within an attractive and sturdy portable case. Employs a fine 4½° D'Arsonval type meter with an accuracy of 2%. Tests all present day tubes including the new miniatures, ballasts, etc. Has a line voltage control covering from 105 to 135 volts. Tests for shorts, leaks, noises, etc. Set tester provides DC and AC voltage ranges: 0/10/50/500/1000. DC milliamperes: 0/1/10/100/1000. DC amperes: 0/10. Ohms: 0/500/5000/1 meg. Ohmmeter operates on self-contained battery up to 1 meg.—range from 1 to 10 megs is AC operated. Decibel ranges: —8 to +55 db. Four output meter ranges same as AC volts. Case 12x12½x6°. Shgs. vt. 13 lbs. K21641—Model 802—In portable slip-hinge case. For 105-135 V. 50/60 cycles AC. Your

K21642—Model 802-A—As above but with Model 506 plug-in analyzer unit built into the cover to permit all measurements to be made directly at tube socket terminals. Shpg. wt.

14 lbs. Your Cost.... \$46.99



ROLINDEX Model 803A Tube and Set Tester

This instrument combines the Model 802A, described above, with the Rolindex chart and the 506 plug-in analyzer in one compact case. All tube data conveniently at hand by merely turning a dial. All voltage and current measurements can be made directly at tube socket. A

Without Analyzer

MODEL 803—Tube and Set Tester. Same as 803A above but less Analyzer Unit. Shpg. wt.

PRECISION Tube and Set Testers

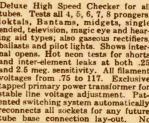


Model 920P Electronometer

As above but in metal case with cover. Black finish. Dim. 12x10½x6". Shpg. wt. 20 lbs. Type 920 MCP. K2701—Your Cost.

SUPREME 504A Tube, Battery

and Set Tester





Deluxe High Speed Checker for all tubes. Tests all 4, 5, 6, 7, 8 prongers, loktals, Bantams, midgets, single ended, television, magic eye and hearing aid types; also gaseous rectifiers, ballasts and pilot lights. Shows internal opens. Hot neon tests for shorts and inter-lement leaks at both .25 and 2.5 meg. sensitivity. All filament voltages from .75 to 117. Exclusive tapped primary power transformer for stable line voltage adjustment. Patented switching system automatically reconnects all sockets for any future tube base connection lay-out. No worry about spare sockets, adapters or rewiring for new tubes. Roller tube chart lists all complete and sectional tube tests; 1-year free chart revision service. Built-in battery tester checks batteries under normal load conditions. Electrolytic condenser leakage test. Noise test provides jack for external connection of phones for audible detection of noise or leakage between elements. Large high torque meter. Meter ranges: 0/5/25/100/2250/500/1000/2500/D.C. volts; D.C. current 0/5/25/10/50/250 ma. 0/1/10 amps; A.C. volts; D.C. current 0/5/25/10/50/250 ma. 0/1/10 amps; A.C. volts; D.C. current 0/5/25/10/50/250/50 ma. 0/1/10 amps; A.C. volts; D.C. current of meters of the primary of the phones of the ph

TUBE and SET TESTERS

JACKSON Model 636 Dynamic Tube Tester

Has every fea-ture of finest design and construction, including Dynamic test method, roll chart, noise test, line con-trol, etc., yet is priced un-usually low



usually low
Filament voltages from ¾ to 115 insures non-obsolescence.
Tests all tuhes: 4, 5, 6, 7, octal, loktal, Bantam, Miniatures, single ended types. Spare sockets for future types. Improved push-button switching arrangement for instantaneous adjustment. Noise test jack included. Roll chart tube index simplifies correct settings. High voltage power supply insures best results—"Dynamic" test method insures maximum efficiency. Has sensitive meter.

k21530—Portable Model. Grey leatherette case with hinged cover, 14x12x5½". Wt. 16 lbs.

\$40.67 Bench Model (shown). Steel cabinet 13x9½x5½". Two-tone grey. \$36.21

WESTON 777 Tube and Battery

Checkers



Duplicate operating conditions. Test Lok-tals, single ended tubes, ballasts and all standard tubes; tests individual miniature electrodes. Has GOOD-REPLACE test for 1.5, 6, 45 and 90 volt batteries. Shpg. wt. 16 lbs.

K 21734 — Portable Model 777-1. Hardwood

case 151/8x83/4x53/8" (not shown). \$49.50 Cost

Counter Model 777-2 (shown). With sing tube chart. \$54.75 K21735 self-indexing tube chart.

TRIPLETT Model 1213 Dynamic Tube Tester



Popular priced, efficient tube checker supplied with comprehensive tube charts that fit into the cover. New chart sections furnished as new tubes are announced. Tests all present day types, including ballasts and pilot bulbs. Filament voltages from 1.1 to 110. Hot leak-age and short tests. Convenient selector switches.

Has 3" "Red-Dot" life-time guaranteed meter with "GOOD-BAD" scale. Metal case with cover and handle with brown suede enamel finish: 7%x6½x5½". Shpg. wt. 14 lbs.

K21488-Your Cost

READRITE Model 432A Tube Tester

Not illustrated. Employs Triplett "Red Dot" lifetime guaranteed meter with three-color "Good"—"Bad" scale. Separate line voltage meter. Filaments from 1.1-110V in 19 steps. Tests all types including miniatures, rectifiers and ballasts. Black leatherette case 101/x291/x 6%". Tube charts supplied. Shop. wt. 18 lbs.

K21745— Your Cost..... \$20.32 K21694-Same but in case without tool com

partment. Your Cost... \$19.26

Model 309-P

Tube Tester
Tests all the NEW
MINIATURE
TUBES and other
new and old types.
Also tests ballast tubes, pilot lights, etc. All filament voltages up to full line voltage. Spare socket provides for future tubes. Em-ploys famous DY-NOPTIMUM test

RADIO CITY

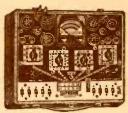


Model 310-P4 tube tester includes every feature and advantage of Model 309-P above, PLUS the newest and finest of mechanical roll type tube tester charts built in. It is the lowest priced tube checker with a tube index! A tube listing service and one new additional tube chart will be supplied FREE up to October 1st, 1942 to all registered owners. Model 310-P4 in combination portable counthe type case, with 4\%" rectangular meter as illustrated. 14\x13\x15\x5\x5\x'". For 105-135 volts 50\x60 cycles AC. Wt. 14 lbs. \$30.33 K21774—Your Cost

Model 310-P3—Same as above but with 3' rectangular meter. Wt. 13 lbs. \$28.37 K21775—Your Cost......

Tube and Battery Tester Modern in de-

sign-efficient in operation. low price. Has eight'sockets for all 4, 5, 6, 7, 8 prongers, loktal, Ban-tam, single-ended, midget, television, magic "eye" and hearing aid types; also



all tests at RMA all tests at RMA age test. Hot interelement short and leak age test between all elements. Individual tests of each section of full wave rectifiers, duodiodes, etc. Noise and hum tests. Continuously variable adjustment for line voltages from 105 to 135 volts. Line voltages indicated on D'Arsonval meter. For 105-135 V. 50/60 cycles AC.

MODEL 309-P—In combination portable counter type case as shown. Size: 12x8¾x7° Shpg. wt. 11 lbs.

K21644—Your Cost

MODEL 309-C—Same in counter-style case. K21643—Your Cost

K21643—Your Cost

M1 tests at RMA and thearing aid types; also gaseous rectifiers, ballasts, pilot lights and Christmas tree lights. Hot neon tests for internal opens. Phone jack for noise test. All filament opens. Phone jack for noise test. All fil

SUPREME 589-P Portable

Tube and Set Testers

Models 910 and 912 Tube Testers



Tests all tubes with filament voltages of 1.4 to 120 volts, including Loktals, new 7-pin tubes, Bantam Jrs., single-ended, miniatures, etc. Complete mutual conductance test made simply and quickly by push button. Checks for hot cathode leakage, hot inter-element charts, noise, open elements, etc. 3-inch meter, accurate within 2%. In metal case, 12x10½x6". Shpg. wt. 19 lbs. 19 lbs

MODEL 910MCP— K21705—Your Cost \$36.60

MODEL 910P—Same as above in portable hardwood case with removable cover and tool compartment. K21704—Your Cost. \$40.91

MODEL 912MCP-Same as Model 910 above, but with 45%" square meter. K21703—Your Cost

MODEL 912P—Same as above, but in portable hardwood case with removable cover and tool compartment. \$45.23 \$45.23

TRIPLETT Model 1612 **Tube Tester**



Deluxe counter check-er with 7" "Red Dot" lifetime meter having a 6" "GOOD-BAD" a 6" "GOOD-BAD" scale. Speed-roll chart permits 36 readings at a glance. Tests all present day tubes including: loktals, Bantam, Jr., miniatures and midgets; also test ballasts and pilot ment range from 1.1 to 110 volts. Has noise test jack and separate line voltage meter. Neon indicator for shorts and leakages, etc. Steel case: 15½x111 x16". Shpg. wt. 32 lbs.

\$32.18 MODEL 1613—Same as above, in Portable case, 15½x11½x6½". Shpg. wt. 35 lbs. K21686—Your Cost. \$37.57

HICKOK Model 530-P

Tube Tester

Dynamic tube tester calibrated in micromhos 0-8000/6000/15000 and also "Good", "" and "Bad". Tests all types for noise (audio and RF), hot and cold shorts, leakage, gas, etc. Tests grid controlled rectifiers. Continuous line volts adjusttinuous line volts adjustment. 96-130V. Portable case with handle. 143/x 13x6". Shpg. wt. 22 lbs. K21633



Your Cost Complete

Counter Model

Model 530C—Same as above but counter type. Size: 14x16x6". Shpg. wt. 22 lbs. K21640-Your Cost

Replacement Part Headquarters for Dealers and Service Men

\$58.80

POPULAR SIGNAL GENERATORS

HICKOK Model 188X Signal Generator



Crystal controlled instrument ideal for AM, FM. Television and P.A. servicing. RF ranges from 100 ke to 110 me in 7 fundamental bands, accuracy better than ½%. With crystal in use, 100 ke on 1000 ke beats are available with accuracy better than .01% from 100 ke to 100 me. Three frequency modulated band widths available: from 100 ke sweep, 60 cycle internally modulated, for usual alignment of FM if. and rf. stages; 150 ce standard sweep from 1000 ke to 133 me; 30 ke sweep for visual alignment of AM receivers. AF sutput available at 400 cycles fixed and 100 to 200 me. Crystal controlled in-

sweep for visual alignment of AM receivers. After the variable at 400 cycles fixed and 100 to 10,000 cycles variable with accuracy within 5%. I was been succeeded by the visual state of visual s 572.32 Your Cost

MODEL 1881 Same as above, less crystal (may be added later) and 6J5 crystal oscillator tube. K21635 \$62.82

MODEL 177: Same as Model 188, but less wtput meter. K21636 Your Cost \$52.34

HICKOK MODEL 19X Microvolt Signal Generator



trolled cali-brated output from 100 kc to 30 me on fundamentals with an accuracy of better than .01%. Self-contained vacuum tube voltmeter and power level meter give complete measurement of

measurement of receiver gainper-stage, selectivity and sensitivity. Calibrated autput ranges on RF, ½ to 100,000 microvolts on all ranges. AF, 0 to 1.0 volt at 400 cycles.

Output ranges from -10 to +6, +6 to +22, -22 to +38 db. 100" of direct reading frequency scale. Supplied complete with self-conained dummy antenna, cables and instructions.

Size 13x16x7". Shpg. wt. 21 lbs. \$94.03

SUPREME 571 Oscillator



Produces six types of signals:
(1) Straight
C.W.; (2) 400
cycle, 30 %
standard audio
modulated R.F.;
(3) 400 cycles
did modulated
ed R.F.; (4) External audio
modulated R.F.;
(5) External voes of signals: (5) External frequency modulated R.F.; (6) 400 cycle fixed audio note for testing audio amplifiers, etc.

Pive R.F. ranges, 65 kc to 20.5 mc on fundamentals, over 60 mc on harmonies E.C. oscillator circuit with air-dielectric condensers, iron-core coils; accuracy within 1/2 of 1%. All ranges lator circuit with air-dielectric condensers, iron-core coils; accuracy within ½ of 1%. All ranges read on (wo basic scales. Non-shorting ladder ype attenuator. Double shielding throughout flack metal panel with silver and red trimning. Oak case: 10½x8½x8½x8½. With output table, complete instructions. Shpg. wt. 19 lbs. \$2167.

Your Cost

AUDIO OSCILLATORS

Special! WIEN BRIDGE Audio Oscillator Kit



Resistance-capacity tuned audio osc. employing radically new Wien Bridge circuit incorporating both degenerative and regenerative feedback. No tuned circuits used—never necessary to re-calibrate. Degenerative feedback maintains constant output amplitude throughout range from 20 to 10,000 cycles, with no appreciable drift. Waveform is essentially sinusoidal throughout the entire range. Calibrated dial supplied with kit eliminates need for oscilloscope or calibrated oscillator. Independence from line voltage fluctuations assured by VR 150-30 voltage regulator tube. Supplied with gray wrinkle finish metal cabinet with many parts mounted, and with power supply and voltage regulator circuits completely wired. Tubes supplied: 6SJ7, 6J5, 6X5 and VR 150-30. Shpg. wt. 12 lbs. K20369—Kit complete with tubes, parts. 68J7, 6J5, 6X5 and VR 150-50. Suparts. K20369—Kit complete with tubes, parts. hardware and instructions. \$17.95

JACKSON Model 652 Audio Oscillator



The basic design of this new instrument eliminates all the characteristic faults of the beat audio method. No RF circuits vastly simplify the instrument, also

its remarkable accuracy and stability of output frequency. Features: Resistance Capacity Tuned Circuit Design for modern audio meas-urement needs: No Zero adjustment—tuned urement needs; No Zero adjustment—tuned fundamental frequency method provides permanently locked calibration; Full range, 20 to 20,000 cycles in 3 bands; Accuracy—freq. calibration to within 3% or 1 cycle; Scale length 25". Output Impedance, 10/250/500/5000 ohms/HIGH, controlled by selector switch; output control continuously variable from zero to maximum; less than 5% harmonic distortion at all freqs. Meets most exacting requirements as to wave form, uniform freq. characteristic to maximum; less than 5% harmonic distortion at all freqs. Meets most exacting requirements as to wave form, uniform freq. characteristic and output load impedance selection. For 105-120 volts, 50/60 cycles A.C. Supplied with 1-80, 1-6817, 2-6F6. Size: 13x9½x9½" deep. Shpg. wt. 30 lbs.

Your Cost Complete

\$86.73

CARRON "CCA" B.F. Audio Oscillator



Economical beat Economical beat frequency osc. with excellent characteristics. Wave form essentially sinusoidal, with distortion of less than 2%. Range from 20 to 16,000 c.p.s. at 15 volts R MS to ithin 1 db from 100

Volts RMS to Flat within 1 db from 100 100,000 ohm load. Flat within 1 db from 100 to 16,000 cycles. "Eye" tube used for zero beat and calibration check at 60 cycles. Permeability tuned: over 40" of direct reading dial. With tubes: 2-6J7, 2-6C5, 5Z4 and 6U5. 7x9x7". Shpg. wt. 10 lbs.

Your Cost Complete

\$26.90

JACKSON 640 Test Osc.



Has full range di-rect reading dial from 100 kc to 30 mc. All ranges fundamental frequen-cies. Push button selection of all ranges for speedy and accurate opera-tion. Glass enclosed dial; two circuit attenuator for vari-

attenuator for variable and vernier control. Powerful signal output which may be used as pure RF or modulated RF carrier, modulated at approximately 30%. AF voltage obtainable for external use. Accuracy to ½ of 1% on all ranges. Complete with three 6C5 tubes. Unit-welded steel case, gray morocco baked enamel finish; 3½x8½x6°. For 110 volts, 60 cycles AC. Shielded cable furnished. Shog. wt. 15 lbs. wt. 15 lbs. K21652—Your Cost \$36.21

TRIPLETT 1632 Sig. Gen.

Wide range signal gen-erator provides continuous coverage from 100 kc to 120 mc, Ideal for AM, FM, Television and P.A. servicing.



Metered output to multiplier and attenuator. output to multiplier and attenuator. Hetero-dyne detector permits checking oscillator, or beating with another oscillator, without a re-ceiver. Output available at end of coaxial cable. Provision for external modulation at AF or RF. Positive vernier dial tuning control. Perme-ability adjustments and tubular air-trimmers used for maximum accuracy and stability. All circuits shielded to eliminate strays; low loss insulation throughout. Streamlined metal case 15x9x6³, silver-gray sueds electro-arms. 15x9x6¾″; silver-gray suede electro-enamel finish, three tone panel. Complete with accessories. Shpg. wt. 31 lbs.

K21789—Your Cost

\$6.08

PRECISION E-200 Sig. Gen.



Uses AVC Substitution System especially designed for "Servicing by Signal Substitution" (hook supplied FREE). Simplifies precise circuit alignment.
Provides bias, to
permit alignment of circuits without
AVC interference.
Six bands cover from 90 keto 88 mc.
Full-vision 6 14" dial

Full-vision 6 ½ dial with vernier control. Separate 400 cycle modulator permits variable % modulation, and external audio signal. Self shielding coaxial cable and outlets. Thoroughly shielded, with dual RF attenuation network for output control. In black ripple finished metal case 12x10½x6°. For 110 volts, 60 cycles. Shap wt 19 be

60 cycles. Shpg. wt. 19 lbs.

K21715 With text book "Servicing By Signal Substitution".

RADIO CITY 702 Sig. Gen.

Useful test frequencies 95 kc to 100 mc; fundamentals to 25 mc. AF modulation 30% at 400 cycles, also available separately for audio tests. Pro-vision for external modulation or wobbulator



Triple shielded, with RF filters. 5-step ladder attenuator. 8x11½x5". For 115 volts, 50/60 cycles AC. Shpg. wt. 16 bs. \$27.39

PRICES SUBJECT TO CHANGE ... WITHOUT NOTICE

SIGNAL TRACERS

Audio Chanalyst

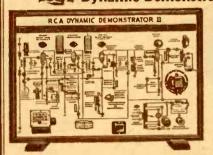
Complete instrument for matching up a new sound in-stallation or to repair existing systems. Will hold continuous check on four different audio



\$225.00

Your Cost

RCA Dynamic Demonstrator II



tion of the various circuits. Uses 6SA7, 6S 5Y3GT/G. Shpg. wt. 30 lbs. Size: 41x29x1 K17225—Model 172. Your Cost, Complete

The ideal instru-ment for lecture and demonstrating pur-poses in trade and vocational schools. vocational schools, etc. Comprises a typical 5-tube superhet with AVC, built in breadboard style and with all component terminals brought out to pin jacks for voltage and current read-ings and wave-form analysis. Entire analysis. Entire schematic diagram in colored sections or easy identifica-6SQ7, 6F6G and

\$75.00

-Rider "Chanalyst"

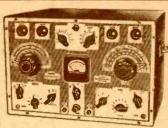
The servicing of any radio, new or old, can be done eas-ier and faster with a Chanalyst than with any other type of test instrument. The Chanalyst permits you to follow the signal like a blood-

hound from the antenna coil in the receiver right through

In the receiver right through each succeeding stage to the speaker voice coil. It shows you instantly where the signal gets weaker, distorted or disappears altogether. Range: 95 to 1700 Kc. It measures voltages in any part of the receiver without affecting its operation. This feature is valuable in checking control voltages of AFC and AVC circuits. The Chanalyst provides the only satisfactory means of checking for intermittents. It will check oscillator frequency of a superhet and power consumption in watts with equal facility. Includes 5 test channels with separate indicators. Shielded leads included with special probe handles incorporating the coupling capacity for r.f. and i.f. channels. For 110 V. 50/60 cycles AC. Size: 14x9x9¾". Shpg. wt. 30 lbs.

X21666—Model 162.

**MODEL TO THE STATE OF T



RCA Chanalyst Converter



Ultra High Frequency Signal Tracing device functions to reduce the high-er frequencies to within the range of the er frequencies to within the range of the standard Chanalyst. Expand your service field to include FM, television, facsimile, etc. Supplied with the new probe having only 5 mmfd. capacity—will not load or detune even the very high frequency circuits. Range 1600 kc to 80,000 kc; sensitivity 10 millivolts aver-30,000 KC; sensitivity in militorits average; calibration accurate to within 1%. Employs Polystyrene coil forms and air trimmers for stability. Furnished complete with all tubes, Chanalyst coupling lead and special test cable and probe. 101/2x91/2x91/8". Weight 18 lbs.

K21768 - Model 164 Your Cost

\$55.00

MEISSNER "Analyst" Model 9-1040

Incorporates 5 separate signal tracer channels. Each channel, on its individual panel, provides a simple, fool-proof instrument that will check any receiver from antenna to speaker. All channels can be used at one time for locating intermittents, and will locate the defective circuit quickly. A built-in electronic voltmeter then enables you to identify the defective part. Covers all frequencies from 95 to 1700 kc. Shielded test cables and probes, and an input impedance of 10 megohms, results in a minimum of circuit disturbance on all tests. A complete instruction book gives detailed directions for use of this instrument in locating all ki

for use of this instrument in locating all kinds of trouble. Complete with 12 tubes. For 110 volts, 60 cycles a.c. Size: 9½x13½x10½". Shpg 35 lbs. 706—Your Cost \$96.25



HICKOK Indicating Traceometer Model 155

This new complete dynamic signal tracer with its five precision meters enables you to measure and trace the signal in five circuits simultaneously. All this without affecting the oper-All this without affecting the operation of the set! Measures the signal in microvolts at any point in the RF or IF section. Measures oscillator voltage through its entire range. Also measures D.C. voltage, AFC and AVC voltage, etc. Measures AC voltages including audio signals in any part of the circuit. Can be used to check power consumption of any AC operated device, in watts up to 300 watts. Has self-contained voltage regulation for V.T. voltmeters. Complete operating instructions. Size: 13x16x10°. Shpg. wt. 50 lbs.

Shpg. wt. 50 lbs

K21739 Model 155, Complete Your Cost

\$126.42

SUPREME Model 562 "Audolyzer"

Signal Tracer With Loudspeaker

Complete functional signal



Complete functional signal tracer. The probe may be connected to any point in the receiver, from antenna post to speaker, and will audibly indicate the presence or lack of signal at that point. Instantly discloses faulty part where signal loses gain or dies, or where distortion, intermittents, regeneration, oscillation or noise occurs. Built-in loud speaker permits listening for defect without adjusting Audolyzer controls for every test.

6 Range electronic voltmeter, 15 meg. impedance on all ranges: 0/1/3/10/30/100/300/1000 volts D.C. plus or minus. Checks all operating and control voltages such as grid bias, AVC, AFC, etc. without interference with set operation. Checks set oscillator and IF frequencies. Range 90 kc to 14.5 mc. Can be used as field strength meter and noise locator. 5 Ohmmeter ranges: 0/200/200/000/200,000/2 meg./20 meg.

Can be used with any 'scope. With K21683—Your Cost Complete

SUPREME Model 560A "Vedolyzer" Signal Tracer

with Oscilloscope

Complete Signal Tracer and simultaneous Dynamic Tester. High frequency oscilloscope using modern video type amplifier, 30 cycles to 4.5 mc. wide, shows actual wave form, distortions of the complete of the c tion, noise, intermittents, etc., right through from antenna to loudspeaker. Checks alignment of standard and frequency mod-ulation receivers and television.



ulation receivers and television. Shows true form of sync pulses, pedestals, etc. in complex television wave. Checks form of television sweep circuits, phase distortion, etc. Shows all simultaneous effects in any circuit including gain, hum, distortion and noise. Reads gain direct on meter. Electronic voltmeter ranges: DC volts 0/2/6/20/60/200/600 200/600 at 15 megs. input all ranges. Also DC volts 0/20/60/200/600/200/6000 at 150 megs. constant input impedance. AC volts 0/3/9/30/90/300/900 all at 15 megs. impedance. Ohms: 0/100/10M/100M/100M/100M/100Meg./100 Meg./100 Meg. Multiple channel tests. Wavemeter checks local oscillator and IF frequency and drift. Oak case: 17%4x123%x13". With I.F. cables. Shpg. wt. 40 lbs. \$160.67

OSCILLOSCOPES



RCA Cathode Ray Oscillographs

3" Model 155A: Employs 906P1 tube and two 6C6's for vertical and horizontal amplifier stages, one 884 timing oscillator stage and two 80 rectifier tubes; total of 6 tubes. Bar knob controls all located on front panel. 20 volts (RMS) per inch deflection without amplifier; 0.5 volt (RMS) per inch with amplifier. Amplifier response flat from 20 to 90,000 c.p.s. Amplifier gain 40 db. Timing frequency from 15 to 22,000 c.p.s. Operates on 110 volts, 50/60 cycles a.c. Wrinkle lacquer metal case has etched panel. Size: 15x8x14". Complete with tubes and instructions. Shpg. wt. 32 bs. \$72.50 S MOdel 160B: Deluxe model with 5" screen for large, clear images. Timing range 4 to 22,000

5" Model 160B: Deluxe model with 5" screen for large, clear images. Timing range 4 to 22,000 cycles. Vertical amp. flat from 3 to 50,000 cycles; horizontal amp. from 5 to 100,000 cycles. Ideal for schools, laboratories, etc. Complete with tubes and operating instructions. Shpg. wt. 40 lbs.

K21442



\$142.50

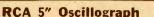
DUMONT Model 164E 3" Oscillograph

Ideal for service engineers and laboratory technicians. Employs 2501A3 (green) Cathode Ray Tube. Amplified sweep uses 885 as saw-tooth oscillator. Separately controlled horizontal amplifier has gain of 40 and vertical amplifier has gain of 50; response from 7.5 to 100,000 sinusoidal cycles. Provision for applying signals direct to deflection plates (not necessary to remove from cabinet). Two power supplies deliver 1250 volts accelerating potential and 415 volts amplifier potential. Removable calibrated scale for accurate determinations. For 115 volts. for accurate determinations. For 115 volts, 40/60 cycles a.c. Size: 111/4x7/4x13". Complete with tubes. Shpg. wt. 25 lbs.

K21557— Your Cost

\$63.21

5" Model 208: Uses type 2511A5 Cathode Ray Tube. Amplifiers flat from 2 to 100,000 sinusoidal cycles. Extended sweep range 2 to 50,000 cycles. Nearly 15" time base. Freedom from pattern drift. Size: 14/x/81/x/19/x/19/. Shpg. wt. 60 lbs. \$164.39



Model 158-D

Specialized instru-ment ideal for in-dustrial concerns. Also suited for television servicing. screen reproduces image of unusual clarity. Special atciarty. Special at-tenuator prevents changes in fre-quency characteris-tics at various input levels. Synchroniza-

tive or positive peaks. Vertical amplifier sensitivity od volts R.M.S./inch, range 5 cycles to 500 kc; horizontal amplifier .56 volts R.M.S./inch, range 5 cycles to 100 kc. Sweep from 4 to 22,000 cycles. In metal cabinet, 14½ x8. 19½ ". For 110-120 volts, 50/60 cycles. With tubes, C-R tube and special input cable. Wt. 30 lbs.

K21438 Your Cost



\$160.00

SUPREME Model 546 3" Oscilloscope

Laboratory type os-cilloscope for all radio, PA and television testing. Produces sin-gle or double image

gle or double image alignment patterns. Linear amplifier response from 15 to 90, 1000 c.p.s. Linear saw-tooth oscillator 15 to over 30,000 cycles. Tube lineup: 1-3" cathode ray tube, 2-6C6 tubes for vertical and horizontal amplifier circuits, 1-885 gas triode for timing oscillator circuit and 2-80 rectifier tubes in a specially designed power supply. Vertical amplifier compensated to pass 60 cycle Square Wave signal. Oak case 7½x 11½x13½". For 110 V. 50/60 cycles a.c. Complete with tubes and instructions. Shpg. wt. 25 lbs.

K21598—Your Cost

See tabulation on page 48.

See tabulation on page 48.

HICKOK Signal Tracing 3" Oscillograph. Model RFO-5 Has built-in wide band FM oscillator.



with auxiliary speaker or head-phones. Ideal for FM, AM, or television servicing. Frequencies up to 3.5 mc are internally amplified and viewed on the 3" C-R screen. Has built-in return trace eliminator, calibrated screen, phasing control and variable width sweep. Complete with 10 tubes. 11x13x15½". Shpg. wt. 50 lbs. KZ1441-

K21441our Cost

\$102.02

ELECTRONIC MULTITESTERS

RCP Model 662 **Electronic Multitester**



Provides 27 vacuum tube operated ranges, and has voltage regulated power supply. 4½ "microammeter has D'Arsonval movement with accuracy of 2% at full scale; meter unusually well protected. Ranges:

D.C. Vac. Tube Voltmeter, sensitivity 160 meg. on high and 16 meg. on low ranges, 0/6/30/150/-600/1500/-6000; Vac. Tube Voltmeter, same sensitivity as above, 0/3/6/30/150/600/1500/-6000; Vac. Tube Ohmmeter (0/1000/10,000/.1 meg./100 meg.—10 dest leads to short and no resetting when changing ranges; Vac. Tube Capacity Ranges 0/001/01/.1/.1/10/100/2000 mfd. All ranges are direct reading. Has additional 3 volt A.C. range with special 6 volt A.C. scale on dial. Supplied with high voltage test lead, signal tracing probe, high freq. probe, resistance and capacity lead. Gray wrinkle finish metal case 9½ 39½ x 7½ ". With tubes and batteries. Shpg. wt. 10 lbs. \$46.55 Provides 27 vacuum tube operated

PRECISION EV-10 V-T Multi-Range Tester



Employs 8½" meter and a voltage regulated power supply. Ranges: eight zero-center vacuum-tube voltmeter ranges 0/3/6/12/60/-300/600/1200/6000 volts at 13 to 133 meg. input resistance; six circuit probing zero-center ranges, sensitivity as above, using coaxial cable for measurement in AVC, AFC, FM and television circuits 0/3/6/12/60/300/600 volts; resistance 0/2000/200,000 ohms and 0/2/20/200/2000 megohms; eight A.C. and D.C. voltage ranges at 1000 ohms/volt to 6000 volts D.C. current 0/600 microamps, 0/3/12/60/300/1200 ma., 0/12 amperes; output ranges from -26 to +70 db. Shgg. wt. 20 lbs.
K21765—Model EV-10MCP in black ripple metal case with handle.

black ripple metal case with handle. \$53.85

Model EV-10P, same as above, but in hardwood portable case with removable cover and tool com-\$58.16

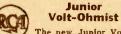
HICKOK Electronic A.C.-D.C. Multitester

Model 202 All but current measurements are made electronically sultant lack disturbance. Zero center D.C. voltmakes it un-

necessary to reverse leads. Employs a rugged 5" square meter which cannot be burned out by overload on any voltage or resistance scale. This instrument is ideal for alignment instrument is ideal for alignment of discriminator circuits in FM receivers and, due to its extremely high input impedance, does not require disconnecting any component circuit parts. Ranges: A.C. Volts 0/5/2.5/10/250/1000 at constant input impedance of 2.5 megohms; D.C. Volts. 0/2.5/10/250/1000 at input impedance of 14 megohms; Resistance in five ranges from 1 obm to 1000 megmegonms; Resistance in live ranges from 1 ohm to 1000 meg-ohms; D.C. Milliamperes 0/2.5/-10/250/1000. With shielded test probes. Size: 11x8x7". Wt. 17 lbs. K21465— \$46.30

Your Cost RF-10 PROBE: for Precision EV-10 (at left). For measurement of R.F. and U.H.F. voltages. With 955 acorn tube.

\$15.04



The new Junior Volt-Ohmist employs a push-

Junior

pull electronic circuit which draws no cur-rent from the circuit being measured.
D.C. overloads cannot
burn out the
meter, and
rugged construction
makes the instrument secure from cure from mechanical



shock. Accurate readings are always provided despite line voltage fluctuations. Ranges are: D.C. Volts, at 11 megohm input impedance, 0/3/10/30/10/300/1000; A.C. Volts, at 1000 ohms/volt, 0/10/300/1000; Resistance in five ranges from 1 ohm to 1000 megohms. Meter is 4½" square and accurate to within 2%. Polarity reversing switch makes it unnecessary to reverse leads at any time. Supplied complete with tubes and test leads, including Signal Tracer type probe. Portable metal case 9½x50½x5½x". Shpg. wt. 14 lbs. Model 165. \$37.50

During the present emergency we must reserve the right to substitute like quality and make price changes when necessary.

Portable VOLT-OHM MILLIAMETERS



K21657— Your Cost

PRECISION Series 844

Features ranges of 6000 volts AC and DC, 10 Megohms and 12 Amps. and DC, 10 Megohms and 12 Amps. 4%" meter, 2% accuracy on DC, 3% on AC. Ranges: AC and DC Volts at 1000 ohms/volt 0/12/60/300/600/1200/600); DC Current 1.2/12/60/300/1200 ma, 0/12 amps.; Resistance 0/400/100,000 ohms, and 1/10 meg; Decibels -12 to +70. Hardwood case with handle, 7x8x4". Less leads and batteries (uses 1-4½ v. and 1-45 v.). Shpg. wt. 6 lbs.

Counter Model 844L

Model 845L. Like 844L with dual sensitivity of 1000 and 5000 obms per volt and added ranges.

K21491—Your Cost. \$31.21

K21492-Model 845P: As above, in portable case. Each...\$33.37

PRECISION Series 832A

Ranges Up To 1200 V.-DC and 2400V.-AC really fine instrument priced low enough to make A really fine instrument priced low enough to make it attractive to amateur and professional alike. Incorporates an extra large—3"—modern meter. Scale length, visibility and ease of reading never before obtainable in small low priced multi-range testers. It is simple to operate—a single master rotary range selector allows all measurements, except the high AC and DC voltages, at only two polarized pin jacks. Ranges: DC Volts at 1000 ohms per volt—6/30/150/300/600/1200/2400; DC Current—0/12/120/600 Ma., also 1200 Microamperes. Resistance—5000/500,000 ohms on internal battery and to 5 megs on external battery; Decibels——10 to +64 db in 6 ranges. Hardwood case with leather handle and battery. 7x4½x3". Less test leads. Shpg. wt. 4 lbs. K21771—

Your Cost MODEL 334—Same, but with extra sensitive 400 microampere meter. Sensitivity on AC and DC voltage 1000 ohms/volt to 6000 volts. Resistance to 5 megs. with self-contained batteries. \$21.51

JACKSON Model 642 Universal Multimeter



20,000 ohms per volt. Features automatic range selection by means of 11 push-buttons—test leads re-main connected to same posts at all

Model 643: 1000 ohms/volt. Same ranges except micro-amps is 0/1000 and ohms up to 3 meg. Shpg. wt. \$33.27 K21759-Each.

SUPREME 592 Dual-Sensitivity Tester



25,000 or 1000 ohms per volt sensitivity by pressing a button. At 25,000 ohms/ volt, readings can be taken in AVC, AFC or FM discriminator circuits while set is in normal operation. Ideal for detec-tion of intermittents and noise. Ranges: DC Current 0/70/700 microamps, 0/7/ 35/140/350, ps. 0/14/14 35/140/350 ma, 0/1.4/14 amps; DC Volts (1000 or 25,000 ohms/volt) 0/3.5/7/35/140/700/1400; A.C. Volts 0/7/35/140/350/700/1400; Ohms 500 ohms 35/140/350/700/1400; Onms 500 onms to 50 megs in 6 ranges; Decibels -10 to +46 db in 5 ranges. Portable oak case 9½x7x6½". Shpg. wt. 9 lbs. \$54.83

K21722 our Cost

\$26.90



SUPREME Model 543M Tester

Similar in appearance to the model 542M listed above. Has 3" meter with knife-edge pointer. Sensitivity 1,000 ohms per volt. Ranges: DC Volts—0/15/150/600/3000. AC Volts—0/15/150/600/3000. DC Ma.—0/6/60/600. Ohms—0/2000/200,000 with built-in battery. Accuracy 2% DC, 3% AC. Metal case with snap-on cover, size 3½x6½x2½". Shpg. wt. 3 lbs. \$17.59

RADIO CITY Model 414 Multitester

2000 Ohms Per Volt



Employs well known R.C.P. system of AC measurements to insure higher accuracy, greater ruggedness and more sensitivity than that obtainable with the copper-oxide rectifier method. Practically linear scales, easily legible. Has 4½" meter with D'Arsonval movement having 500 D'Arsonval movement having 500 microampere sensitivity; meter is fused for protection. Specifications: 2000 ohms/volt sensitivity; DC Volts 0/5/50/250/2500/5000; AC Volts 0/10/100/500/1000/5000; DC Current 0/10/50/250/1000 ma. 0/1/5/25 amps.; Capacity 0/.03/3/30/30300 mfd.; Low Ohms 0/15000 on self-contenied batteries. 150,000 on self-contained batteries; 0/1.5/15 megs on built-in power supply; Inductance .25/1000 mh, .25/100/1000/10,000 henrys. Open face bench type hardwood case 91/4x 91/4x51/4". Shpg. wt. 9 lbs. K21741—

\$25.43 PORTABLE MODEL 414-P: (Shown). Same, in maple case with removable cover. \$28.37

DEPENDABLE Model 456 A.C.-D.C. Trouble Tracer



Ohms Per Volt

Combined AC-DC voltmeter, ohmmeter, milliammeter and decibel meter with sensitivity of 1000 ohms per volt. Has D'Arsonval type meter with movement accurate to 2%. Ranges are: DC and AC volts 0/5/50/500/1000; DC Milliamperes 0/1/10; Ohms 0/5000/500,000 with self-contained batteries; Decibels from minus 12 to plus 8, 8 to 28, 28 to 48, 34 to 54. Contained in a handsome hardwood case measuring 6x3x2½". This instrument is ideal for the serviceman because of its versatility and compactness. Shop. wt. 3 lbs. Combined AC-DC voltmeter. K10536-

\$9.75 Please refer to page 48 for additional

DEPENDABLE Model 446 A.C.-D.C. Multitester



Has 1000 ohms per volt sensitivity.
Ranges: DC Volts—0/5/50/256/
500/2500 DC Milliamperes—0/1/
10/100/1000. DC Amps—0/1/10.
AC Volts—0/10/100/500/1000.
Ohms—0/500/100,000/1 Meg.
Decibels—8 to +15, +12 to +35, +26 to +49, +32 to +55.
Output ranges same as AC volts.
Size: 3x8/x5°. Shpg. wt. 5 lbs.
K10503—

\$11.71 Your Cost Model 446P

DEPENDABLE Model 411 Universal Supertester



3" meter—200 microamp movement. 34 ranges. Meter ranges are: 0/10/100/250/1000/5000 DC Volts; 0/200 DC Microamperes; 0/10/100 DC Milliamperes; 0/1/10/25 DC Amperes; db from —10 to 69 in five stages; 0/400/40,000 ohms and 4 megohms; 0/10/100/250/1000/5000 AC Volts; 0/500 AC Milliamperes; 0/2.5/5/25 AC Amperes; Output Meter same as AC Volts. In hardwood case 77/sx 51/53/31/2". Shpg. wt. 5 lbs. KZ1673 3" meter-200 microamp move-\$19.06 Your Cost

Portable Model 411-P Same as above, but in case with cover. K21711 Each \$21.51

DEPENDABLE Model 413 A.C.-D.C. Multitester



ance-0/500/ 100,000/1,000,000 ohms. Back up 100,000/1,000,000 onms. Dack up type of low ohm scale reads down to 1/10 ohm. All ranges with self-contained battery. Natural finish wood case. Size: 3¼x6x2½". Shpg. wt. 4 lbs. \$15.63

Model 413P — Identical with Model 413 above but supplied with hand rubbed, piano finish solid walnut case with hinged cover, test probes, and compartment and latch. K10501.—
Your Cost \$17.59

Modern All-Purpose Test Instruments

SPRAGUE DeLuxe "TEL-OHMIKE"



Tel-Ohmike" provides a simple, accurate means for measuring capacitance and resistance and in capacitance and resistance and in-corporates a built-in d.c. volt-milliameter. It will measure ca-pacitances on direct reading scales from .00001 to 2.000 microfarads. Checks paper. mica, oil, wet and dry electrolytic condensers. Measures d.c. resistance from ½ ohm to be megohms, and insulation resist-

3 megohms, and insulation resistance up to 1,000 megohms. Provides power factor and leakage tests. Built-in power supply (up to 1000v.) permits checking under direct working conditions. A "magic eye" indicates circuit resonance. The voltmilliameter has a switch providing 8 ranges: 0/15/50/500/1500 volts d.c. and 0/1.5/15/50 d.c. ma. Switch and pin-jacks permit use of voltmilliameter for external measurement. Attractive portable case 1714/29x6". For 110 volts, 50/60 cycles a.c. Shpg, wt. 14 lbs.

544.90

JACKSON Model 650A Condenser Tester

Push Button Selection

Range From .00001-1000 Mfd.



Six push-buttons instantly select desired Six push-buttons instantly select desired range. Glass enclosed scale has "scale expander" indicating pointer that doubles effective scale length. Tests paper, mica electrolytic condensers. Range in four steps from .00001 to 1000 mfd. Measures power factor on dial; range calibrated from 0 to 60%. Test voltages from 20 to 500 volts. "Eye" tube for leakage and halance tests contain britis of the service of the 500 voits. "Eye" tube for leakage and balance tests: special built-in amplifier for leakage tests. In grey morocco steel case $8\frac{1}{3}\times 8\frac{1}{2}\times 6$, with metal cover. With tubes. Shpg. wt. 12 lbs. \$36.21 K21651—Your Cost

CORNELL-DUBILIER Instruments "BF-50" Capacitor Analyzer



For measuring all important char-acteristics of capacitors. Incor-porates a "Wien" hridge with acteristics of capacitors. Incorporates a "Wien" hridge with single stage of amplification and visual "eye" for measurements. Has built-in power supply (for 110 V. 60 cycles AC) for making leakage and insulation resistance tests. Measures paper, mica, air and electrolytic condensers, from 00001 to 240 mfds. Measures power factor, leakage, tests fores. In Walnut portable case, dim.

shorts, etc. Uses 12A7 and 6E5 tubes. 2x93/4". Shpg. wt. 11 lbs. 27 Your Cost. Less Tubes

\$29.28

"BN" Capacitor Bridge



Measures accurately and quickly all capaci-tors between .00001 and 50 mfds. Employs Wien bridge circuit, with

balanced condition. Has direct reading scale, and employs 2 tubes, a 12A7 and 6AF6G. Indicates power factor, shorts, etc. In Walnut bakelite case, dim.: 354x5x3". With test leads and instructions, but less tubes. For 110 V. 60 cycles. Wt. 4 lbs. \$11.64

Capacitor Decades



Accurate standards covering a wide range of wide range of ca-pacity in 3 units. For use with ad-jacent Capacity Bridge or similar orecise unit. Ca-

precise unit. Capacityrange: 0001
to 11.1 mfd. Catibration chart with each. Rating 600 V DC-220 V.
AC: Tolerance ±5%. Each in Walnut Bakelite case, dim. 3½x 5x3". Ayge. shpg. wt. 4 lbs. ea. K21729-011 mfd. in 0001 steps. K21730-1.1 mfd. in 01 steps. K21731-10.0 mfd. in 1.0 mfd. steps.

\$11.29

RCP Master Analyst



hish-button analyzer. Cable plugs o receiver socket in measure and capacidage, current, resistance or capacidage, resistance or capa oltage, current, reading of components. Protected gainst shorts when two or more autions are pressed. Permits current and voltage measurements in arount at same time. Has 7 sockets, adapters and cable with latch type due. 93/x7x3¼°. Wt. 5 lbs.

Each

RCP Appliance Tester

Model 417: A ocket size apor use on all ypes of equipnent drawing Ranges: AC and DC Volts 0/250: 30/120/600/-3000 at 120



240/1200/6000 at 240 volts. Power actor correction chart and line voltage correction curves supplied. Wood ase 3½x6x2½". Shpg. wt. 7 lbs. k10478—Your Cost.

Model 417-P: As above, in portable case with cover. K10477—Your Cost. \$14.65

A.C.-D.C. Pocket Volt-Ohm-Milliammeter



\$6.31

TRIPLETT 696 Battery Tester
Choice of 11 loads. Checks 9 DC voltage ranges, 2, 4, 8, 10, 25, 50, 75, 100, 150 v. Lifetime guaranteed 3" meter.
Case 31/6x57/6x21/6". With leads. Shpg. wt. 5 lbs.
K10476—
Your Cost. Shpg. wt. \$8.46

Other Popular Tock Faul

Other Popular Te	st Eq	uipmei	1t
Manufacturer and Description	Model	Stock	Your
AEROVOX	No.	No.	Cost
LC Checker	95	K21725	528.91
Capacity Bridge	75	K 21659	35.03
CARRON			
Signal Tracer	CH	K21781	43.12
DUMONT			
Electronic Switch	185	K21783	70.07
PRECISION			
Dual Range, 20M and 1000 OPV teste	r 856L	K21436	40.91
Same but in Portable Hardwood Case.	856P	K21437	43.07
RADIO CITY PRODUCTS			
Portable Tester with Analyzer	1154	K21493	48.95
DC Trouble Shooter	132	K10502	7.30
Same, in portable case.	132P	K10495	8.77
DC Speed Meter.	133	K10496	8.08
Same in portable case.	133P	K10497	9.65
R. C. A.			
B. F. Audio Oscillator	154	K21443	57.50
5" Oscilloscope.	158D	K 21438	160.00
AC Test Oscillator	167A	K21448	39.95
READRITE			
5000 OPV "Big Boy"	860	K21796	19.26
DC Pocket Multitester	738	K10514	8.08
AC-DC Pocket Multitester.	739	K10515	10.67
SUPREME			
Metered Signal Generator	561	K21717	105.35
Electronic Multitester	549P	K21760	52.87
As above, metal case bench model.	549M	K21761	49.73
Portable Multitester dual-type meter	1200 A	K21480	22.56
Same as above, but 5000 OPV	1200 A	K21559	23.56
Like 1200A, but 25,000 OPV	1200E	K21560	35.28
Push-Button 25,000 OPV Multitester	1200E	K21792	31.36
Portable Signal Generator	232A	K21478	30.03
Portable Appliance Tester	1270A	K21791	32.18
Pocket Multitester, 1000 OPV	666	K10472	
Same, but voltages to 5000 Volts	666H	K10475	15.09
DeLuxe, 10,000 OPV Pocket Tester	666S	K10479	15.65
Portable, 10,000 OPV Multitester	625T	K10480	16.34 21.56
DeLuxe Tube Tester	1621	K21748	
Case to make above portable	1021	K21749	37.57
Like 1621 but with 7" meter.	1620	K21750	5.39
WESTON	1020	WZ1/30	40.81
Portable Tube and Battery Tester.	777-1	K21734	49,50
Same, Counter with Roll Chart	777-2	K21735	54.75
DeLuxe Signal Generator	776	K21648	65.25
20,000 OPV Portable Multitester	772-2	K21523	49.50
Televerter for above to 5M Volts DC.	766	K21712	18.75
Checkmaster Tube and Set Tester	774	K21737	69.75
Serviset, combines Models 772 & 771	778	K21736	97.50
The state of the s	. 10	421130	31.30

SOLAR "QCA" Analyzer



Range 10 Mmfd. 70 Mfd.

Portable dynamic condenser anal-Makes all tests under actual ag conditions. Wien Bridge yzer. Makes an weeking conditions. Wien Bridge circuit accurate for oil, paper, mica circuit accurate for oil, paper, make from the control of the control o and electrolytic types. Range from 10 mmfd. to 70 mfd. Checks power factor: measures insulation resistance at 5000 volts. Case 5½,61½,44½". Shpg. wt. 7 lbs. With tubes. K17772-K21772 \$24.40

CI Volt-Ohmmeter

2" moving coil type meter, ac-curacy 2%. Ranges: 0-5-50-500-1000 v. DC; 0-500,000 ohms. 1000 ohms per volt. Batteries enclosed. Zero adjustment. With 30" test leads. In black Bakelite case. 15%x276x376". Wt. 3 lbs. K11450 Each.



56.38 K11450 Each Ohmmeter. Similar to above, but magnetic vane type. 3-30-300 volts DC; 0-10,000 ohms. With batteries. K11452—Each \$3.20

CI Pocket Volt-Ohmmeter



Voltagerange, 0-300 DC; resistance range 0-10,000 ohms. 2" magnetic vane type meter. Volts to ohms with phone tip and jacks. Black wood case Self-contained bat-

294x24x174 Self-contained tery, 30" leads. K11451—Your Cost, \$2.50

METERS, METER KITS & ACCESSORIES

Portable Carrying Case

fine quality portable carrying case r tube testers analyzers and other vpes of test instruypes of test instru-ments. Sturdy wood onstruction with overing of near black fabrikoid Pitted with plastic arrying handle.

outside dimensions:

'wide, 12½" long
and 6" deep. Inside
timensions: space for meters and panel 11 14 x 7 3/2 x 3" deep. Tool and test lead compartment.

A real value! Show over is removable.

K21794- Your Cost

Meter Box



Walnut finished inside and out. Rubber bumpers on two planes for upright and horizontal use. For 8x10" panels. Overall: 8½x 10½x4½". Leather handle. Shpg. wt. 3 lbs. K10530

\$1.91

Bakelite Meter Box

Black molded bakelite: 613 16x55 jex Panel mounting screw inser molded in. Shpg. wt. 3 lbs. inserts



Your Cost, Less Panel

K10532-White bakelite panel for above Your Cost 60°



Pocket Portable Meter Box

Open faced, lock cornered. For 3x5½" panel. Walnut finish outside, insidestained. Size 634x3½x2½" —inside, 3x5½x113 ". Two panel Shpg. wt. 1 lb. 65°

supporting pillars. Si

DEPENDABLE Volt-Ohm-Milliammeter Kits



Meter, 1000 Ohms/Volt. | 4 ½ " V. O. M. Meter excellent 1 Ma. foundation | An 0-200 Microampere An excellent I Ma. foundation meter of the D'Arsonval type.

An eacon meter of the D Arson.
Finely legible calibrations on long multi-range scales. Square Bakelite case. Scale ranges of o/5/50/250/50/50/250/0 voits
DC, 0/10/100/000 Ma. DC; 0/100 Voits
DC; 0/500/100,000/1,000,000 Ohms; —8 to +15/12 to 35/26 to 49/32 to 55 DB. Accurate within 2%. 1500 ohms per voit sensitivity.

Accurate within 2%. 1500 ohms per voit sensitivity.

Ranges: 0/10/100/250/1000/5000 Voits AC; 0/200 diagrams included. Ohmmeter circuit sequires 3 flashlight cells, 1½ voits each, which are furnished with the DC parts kit. Necessary parts for building testers are listed below.

2 lbs.

Accurate within 2%. 1500
Ohms per voit sensitivity.

Ranges: 0/10/100/250/1000/5000 Voits AC; 0/200
Microamperes DC; 0/10/10/25
Amps. DC; 0/500 Ma. AC; 0/2.5/5/25 Amps. ACc; 0/40/40/00/04,000/4,000,000 Ohms.

4 Meg. range with 7½ V. battery with kit. 40 meg. range (with 67½ V.) space in case for same. Cap. in Mfds.: Chart supplied showing how to obtain direct measurement of condenser capsurement of condenser cap

pacities and inductance in Henrys. Wt. 3 lbs Your Cost

Parts Kit for D.C. Ranges

All parts needed for above DC ranges. Includes drilled and etched aluminum panel cludes drilled and etched aluminum panel $T_{bg}X_{bg}^{3}$, selector switch, 13 bakelite tip jacks, ohmmeter control rheostat, 2 knobs, 12 specially calibrated resistors (6 wire wound); 3—1½ V. batteries, rosin core solder. Complete instructions and diagram. Wt. 2 lbs. K10543—DC parts kit only. Your Cost.

Parts Kit for A.C. Ranges When used with the above DC kit, you have a complete AC-DC instrument having all the ranges indicated in the description above.

ranges indicated in the description above. Includes copper oxide rectifier, jack, mounting bracket. Shpg. wt. 1 lb.

K10544—AC parts kit only.

Your Cost.

K10545—Hardwood meter box for above.

8½x5x3½". Shpg. wt. 2 lbs.

Parts Kit for AC-DC Ranges

Includes all necessary parts to construct instrument having aboveranges with above meter. Etched 8x10" panel, completely drilled: 2 batteries, 1—4½ volt. 1—3 volt. Individually calibrated multipliers for 1% and 2% accuracy, wire wound shunts, selector switch, ohmmeter adjust rheostat, knobs, jacks, rectifier, bracket, sub panel strips, screws, nuts, solder, wire. Complete with instructions and diagram. Shpg. wt. 2 lbs.

K10547—Parts Kit only

Finely finished hardwood case, open face, with leather handle for above kit. Overall size: leather handle for above kit. Overall size: 8½x10½x4¼". Wt. 3 lbs.
K10530—Case only. Your Cost \$1.91

"Meter Back" Fuse Mount



Mounts directly on any meter terminal. Will not touch the other posts. Takes 1x1/4" instrument type fuses only. Shpg. wt. 1 lb. K11049—Your Cost

Extractor Fuse Posts

Takes I" instrument type fuse only. 1/2" dia. Bushing for panels up to 3/8

K12328 Your Cost Each As above, for 3AG fuses (1 1/4 x 1/4"). K12326—Your Cost Each.

24c

Hinged Mounts For Type 3AG Fuses

lined to meet nderwriters requirements Metal shielded over hinged to bakelite base. Ter-



hase. Ter-minal mounting extends through minal mounting extends through insulated base. Requires 1½ 6x1½" hole in panel. Two \$\frac{a}{3}\tilde{\chi}_0\tilde{\text{the bound}}\text{ studs, centers 2½", for mounting. Base 2½x1¼". Shpg. wt. ¾ lb. \$\text{12340}\text{-Single Pole Your Cost Each.}

K12341—Double Pole Your Cost Each 35°

Copper Oxide Rectifiers



(A) 15 ma. 14 x 1/2 K 10570 Each. (B) 5 ma. 14x 14 x 1/6". \$ 2.06 K10572—Each (C)- 5 ma. 1 16" square. \$2.59 K10566 - Each (D)- 20 ma. 5/8: K10567—Each 58x114" \$1.95 30 ma. 5 15x25 52 . \$2.06 (D)- 50 ma. 1x1 4" \$1.75 K12297 9950 10* K12309 150000 150 K10568—Each. ** Allow for 50 ohm meter resistance. Each, Any Size

LITTELFUSES for Test Instruments



Protect delicate instruments. Break circuit immediately on reaching blow point. Length I" diam. ¼". May be used on 250 volts, AC or DC. High Speed action. Type 8AG

Stock No.	Rating Amps.		Ma. Load Ohms	Cost Each	Cost Doz.	Ohms Per V.	Milliam- meters
K12339	1/200	ĩ	500	18c	31.95	over 1000	Galv.
K12385 K12386 K12387 K12389	1/100	10 25 60 100	110 20 5	12°	^s 1.32	1000 500-1000 100-500 20-100	up to 0-1 1-10 10-25 25-75
K12388 K12390 K12391 K12392 K12393	3.8 1.2	100 200 300 400 600	6.2 3.0 2.5	9°	^s 1.00	20-100 10-20 5-10 3-5	25-75 75-150 150-250 250-350 350-500
K12394 K12395	1 2	1000 2000	.24	6°	65°		500-750 1000-1500

Continental Carbon Multiplier Resistors

Impregnated and hermetically sealed in a glass tube. Impervious to moisture and unusually stable. For any I watt application but especially recommended for meter multipliers, photo-cell circles and the second of the second of

cuits.	17121	all leads	. Lype	AL AC	curacy	士3%.		
No.	hms	Volts	No.	Ohms	Volts	No.	Ohms	Volts
K12286	1450	1.5* 1	12298	10000	10	K12310	200000	200
K12287	2950	3* ₽	(12299	13500	13.5	K12311	25 0000	250
K12288	3500	3.5 ₺	(12300	15000	15	K12312	300000	300
K12289	4450	1.5*	(12301	25000	25	K12313	450000	450
K12290	4950	5* P	(12302	30000	30	K12314	500000	500
K12291	5000		(12303	50000	50	K12315	600000	600
K12292	5500	5.5 H	12304	60000	60	K12316	750000	750
K12293	5950	6* N	12305	75000	75	K12317	800000	800
K12294	7450		12306	85000	85	K12318	900000	900
K12295	8500	8.5	12307	90000	90	K12319	1 Meg.	1000
K12296	8950	9# H	12308	100000	100		_	_

LITTELFUSES For Radio Sets and Amplifiers

Type 3-AG. 1¼x ¼". Approved. 250 Volt 500 Volt No. K12378 \mps. NO. K12396 K12379 K12380 K12399 Above, Each K 12381 Above, Each

Bakelite Fuse Mounts



Sub-Panel Type Molded bakelite. 1 6-32 studs. strument fuses only. K12382 12°

Each Same as above, but for 14x44 fuses (type 3AG).
K12327 Each.

Panel Type Molded bake lite. 1 1/8 x 5/8 x 1/8". For 1" instrument

type fuses
only. Plated
fuse clips.
K12383—Your Cost. Same as above, fuses (type 3AG). K12324 Each but for 1 1/4 x 1/4 90

Let us quote on any test

anel Meters & Accessorie

STERLING Meters



Efficient panel meters with 2" scales. 25%" overall. Plated flanges. Sensitive, accurate movements. Binding post terminals on backs of cases. For

		s of cases	
-		ntg. Wt.	
D	.C. Vol	tmeters	
K10903-	-0-3 volts		73c
K10904-	0-6 volts	3	73c
K10905-	-0-10 vol	ts	73c
K10906-	-0-15 vol	ts	73c
K10908-	-0-25 vol	ts	73c
K10907-	-0-50 vol	ts	73c
		ts	
K10912-	-0-100 vo	lts	97c
K10914-	-3-0-3 vo	lts	73c
		volts	
K10916-	-0-12-240	volts	. 1.76
Mick	Pociet	tance Ty	/D0
		ts	
		ts	
W10312-	-0-100 vc	lts	. 2.12
D	.C. An	imeters	
K10898-	-10-0-10	amps	73c
K10899-	20-0-20	amps	73c
		ps	
		ps	
K10882	-0-50 am	рв	. 1.29
DC	Milli	mmete	PC
No.			Ma.
K10890	Ma. 0-15	K10895	
K10891	0-25	K10896	0-300
K10892	0-25 0-50 0-100	K10897	0-400
K10893	0-100	K10878	0-500
4470000	0-100	LITOGIO	0-000

STERLING Pocket Meters

0-150



K10894

For Testing A" and **Batteries**



73°

1.29

In nickeled finish cases 21/4" in dia.
%" thick. All except No. 30 have
flexible plugs.
No. 37A: For small batteries. 0-50
and 0-2 v. K10885 Each \$1.47
No. 38A: For medium batteries
0-100 and 0-2 v. \$1.62 K10883—Each. \$1.62
No. 39A: For large batteries. 0-150
and 0-2 v. K10886—Each. \$1.62
No. 40A: For 3-way set batteries
0-150 and 0-10 v. \$1.76
K10884—Fach

No. 30: Air Cell Tester (2 volt). K10887— Your Cost Each

Miniature Tube Adapters



Unwired. Consist of a drawn steel black japanned cap containing a miniature socket, attached to an octal base plug. With instructions. For any tube

tester having an octal socket.

K11537—For RCA types 1S4, 1T4, 1R5, 1S5, etc. miniature tubes.

K11540—For Hytron Bantam Jr. tubes (HY113, 115, 125)

Either Type, Each 296

Universal Output Meter ⇒ Adapter



Contacts plate prong of tube. Flexible 50" lead; phone tip at end. K11603— Each



Model 55

No. Each K11050 \$1.47

65

.65

.65

65

65 .65 0-10 3-0-3

K11100 1.29

K11102

K11104 K11106

K11108

K11093

K11096

K11098 K11099

K11088 K11089

K11090

K11091 \$0.65

K11087 \$1.79

K11081 \$1.79 K11082 1.79 K11083 1.79

K11084 1.79 0-10 K11085 2.44 0-50

D.C. MILLIAMMETERS

0-5 0-10 0-15 0-25 0-50 0-100 0-150 0-200

0-300

1.29 0-15/150 K11161 D.C. AMMETERS

> 0-1 0.5

.65 6-0-6 K11168 .65 10-0-10 K11169 .65 20-0-20 K11170

A.C. MILLIAMMETERS

0-50

0-100

0-500

A.C. AMMETERS

0-1 0-3 0-5

READRITE Square and Round Meters

Model 55, round, with clamp, nickeled. Model 95, square, black enam-eled. Both require 2½" hole. DC: polarized vane solenoid type; AC: double vane repulsion type. Accuracy within 5%

Model 95

K11150 \$1.71 K11151 1.53

K11153

K11155 K11156

K11157

K11158 K11159

K11164

K11167

K11162 \$0.88

K11000 \$2.03 K11001 2.03 K11002 2.03 K11003 2.03

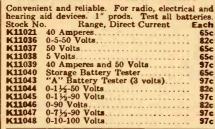
K11004 \$2.03 K11005 2.03 K11006 2.03



1	D.C. VOLTMETERS						
ı	Mode			Mode	95		
d	No.	Each	Range	No.	Each		
1	K11051	\$0.65	0-1	K11009	\$0.88		
1	K11052		0-3	K11010	.88		
	K11053		0-5	K11011	.88		
3	K11054		0-6	K11012	.88		
١	K11055	.65	0-8	K11013	.88		
3	K11056	.65	0-10	K11014	.88		
3	K11057	.82	0-15	K11015	1.06		
i	K11059	.65	0-25	K11016	.88		
3	K11060	1.79	0-25°	K11017	2.03		
í	K11061	.82	0-50	K11018	1.06		
í	K11062	2.12	0-50*	K11019	2.35		
1	K11063	.97	0-100	K11020	1.21		
1	K11064	2.12	0-100°	K11022	2.35		
3	K11065	1.15	0-150	K11023	1.38		
3	K11066	2.12	0-150°	K11024	2.35		
3	K11067	2.12	0-300	K11025	2.35		
3	K11068	2.91	0-500	K11026	3.15		
3	K11069	2.91	0-60/300	K11027	3.15		
3	• Indica	tes hig	h resistan	ce meter	1.		
3			OLTM		1 3		
3	V11022	e1 70	0.4	Water S			

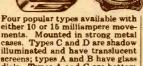
K11028 \$2.03 K11029 2.03 2.03 K11073 1.79 K11074 1.79 K11075 1.79 K11076 2.91 K11077 3.56 K11079 5.03 0-10 0-15 K11030 K11031 0-150 0-300 0-750 K11032 3.15 3.80 5.27 K11034 K11080 2.91 0-10-140 K11035 Wide Flange for Model 55 (Round) Meters 23/4" outside diameter. Black enamel finish. K11007 2.03 K11041— K11008 2.68 Your Cost Each.

READRITE D.C. Pocket Meters





READRITE Tuning Meters



either 10 or 15 milliampere move-ments. Mounted in strong metal cases. Types C and D are shadow illuminated and have translucent screens; types A and B have glass dials. Types A and C are bottom illuminated. B and D rear illumi-nated. All with 6" connecting cable. All are sold less escutcheon.



Stock No. Typ 10 Ma. 15 Ma. K11182 K11183 A K11186 K11187 B K11190 K11191 C K11295 K11296 D 96° Each Escutcheon Plates
K11293—For Type A-B.
K11294—For Type C-D.
Your Cost Each.

AMPHENOL Unwired **Adapters**



Make your own adapter, to meet your re-quirements. Tops and Bases available in all

Bases available in all types. Bases are black only, with ½ hole on side for bringing out leads or fastening metal tube grid cap stud. Bases and tops drilled forself-tapping screws supplied with each base. Tops available in black, red, green, and yellow. Specify color.

Prongs	Adapt. Top Stock No.	Adapt. Base Stock No.
4	K11562	K11569
5	K11563	K11570
6	K11564	K11571
7 small	K11565	K11572
7 large		K11573
7 comb.*		
8 octal	K11567	K11574
8 octalt		K11575
Lok.	K11568	

*7C top fits only 7L and 8L bases. †Large dia. base. Fits 7 comb. top. Adapt. Tops 12c Adapt. Bases 12c

Side Stud Only

22c Used in above adapter bases. K11576—Your Cost Each.



WESTON Model 301 33/8" Panel Meters





Ranges above 30 ms are shunted and have drop of approximately 100 mv. Accuracy within 2%. Round or rectangular black bakelite cases.

D.C. MILLIAMMETERS

No. Round	Range	No.*	Your Cost
K10675	0-1	K10759	\$7.35
K10679	0-5	K10760	
K10680	0-10	K10761	
K10681	0-15	K10762	^{\$6,61}
K10685 K10686	0-50	K10763	70.01
K10688	0-100 0-200	K10764 K10765	
K10691	0-500	K10766	

D.C. MICRO-AMMETERS K10701 0-200 K10770 \$10.47

A.C. VOLTMETERS

Model	4103	78 Dia	meter
Stock No.	Approx. Volts	Ohms Volt	Your
K10752 K10758		14	\$6.61 8.27

1424130	100	1110	0.21
Model	470	Dackson	
Monet	410-	Rectang	ular
K10753	15	1 14	\$6.61
K10754	150	110	8,27

*-Case 3x31/8"

BEEDE Illuminated D.C. Milliammeters



Model 15. Case is 3" square. Has translu-cent scale. Cutout in meter back for mounting pilot light socket (listed below). Scale becomes illumi-

nated. D'Arsonval jeweled movement, 2% accuracy.

K11196 0-1 Ma K11197 0-10 Ma K11198 0-100 Ma K11199 0-200 Ma Bayonet pilot light socket. K11173 Each.

MODEL 3-3" SQUARE | MODEL 3.--3" SQUARE | Like above, but have metal scale, Bakelite case. Not illuminated. No. Range | Range |

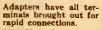
HOYT Hot Wire Antenna Ammeters

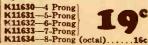


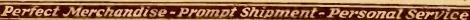
For measuring the output of small transmitters. 31/2" dia. molded bakelite cases. Mount in 23/4" hole. Shpg. wt. 2 lbs. Each

-0-1.5 amps.) K10445 K10446 0-3 amps. K10447 0-5 amps.

Universal Adapters









PIPLET PRECISION PANELM





D.C. Ammeters With **External Shunt**

These precision instru-ments incorporate the finest materials, and are assembled by skilled craftsmen. Moided cases; terminals molded
in. With external shunt. Prices on higher range meters, or on a.c.



Ammet	ers with	curren	transfe	ormers,	available	on app	olication	
Range Amps.	221-2" No.	Round Each			126-4" S No.		626-6" No.	Square Each
0-50 0-75	K10926 K10927		K10937 K10938		K10948 K10949		K10959 K10960	
0-100 0-150	K10928 K10929	7.18	K10939 K10940	8.10	K10950 K10951	9.34	K10961 K10962	10.78
0-200 0-300	K10930 K10931		K10941 K10942		K10952 K10953		K10963 K10964	
0-400	K10932 K10933		K10943 K10944		K10954 K10955		K10965 K10966	
0-600 0-800	K10934 K10935		K10945 K10946	14.93	K10956 K10957		K10967 K10968	
0-1000	K10936	17.61	K10947	18.52	K10958	19.77	K10969	21.20

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to 500; high ohms to	100,000. Shpg. wt.	each,
3 lbs.		Each
K11442-Model 321.	3" Round	\$5.39
K11388-Model 326.	3" Square	5.39
K11278-Model 421.	4" Square	6.83
K11297-Model 521.	5" Round	7.55
K11285-Model 726.	7" Square	12.58



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Resistors, on bakelite, for 0-10-50-250-500-1000 volts.

7.91
Shunts for 0-1-10-50-250 ma.; current limiting resistors for low and

\$2.52

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K11371—Your Cost. 725 \$1.44

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For measuring noise levels in P.A., thea-ters, broadcast sta-tions, etc.

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Model 321. 3" dia. \$8.46

K11446—Each.
Model 421. 4" sq. \$14.21
K11447—Each.
Decibel Meter Kit: Includes
K11446 3" meter, selector switch,
9 wire-wound multipliers on bakelite board, hook-up wire and diagrams. \$17.09 Triplett "V-U" Meter

For measuring sound or noise levels, includ-ing broadcast monitoring. Ideal for P.A. or communica-

tion systems. Ballistle characteristics comply with spees, formulated by N.B.C., C.B.S. and Bell. Internal impedance 3900 ohms. Steady state dance 3900 ohms. Steady state reference 1 milliwatt; for 600 ohm line. Two scale markings: 0-100%; minus 20 to plus 3 Volume Units (V-U). Scale length 3.12". Molded case finished in telephone black; cream yellow dial. 4" square case. Shpg. wt. 3 lbs. Model 426. Shpg. wt K11399-Each... \$25.87

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All 1000 ohms per volt. With external metallized multiplier on bakelite strip. 3" molded cases. Mod. 321—Round; Mod. 327A—Square. 321 327A 321 327A 327A Range No. No. Range K11553 K11559 0-2500 K11554 K11560 0-3000 K11555 K11561 0-5000 No. No. Range K11550 K11556 0-1000 K11551 K11557 0-1500 K11552 K11558 0-2000 Each 9.38 \$9.38 \$12.58

With Ex Model 341	CITTE	Mod	el 241	For
3" Round	Amps.		eund Each	tion
(11389)		K11428		3
(11391		K11425		No
11390 57.18	1.5	K11430	28 30	K11
11392 7.10	2.5	K11426	0.50	K11:
11393	5.0	K11427		KII
replacemen'	COLLE	des on	order	K11

Thermo-Ammeters ith Built-in Couples

			us, ant.	radia-
tion in	dication	n, etc.		
Mode	1 341		Mode	1 347A
3" R	ound		3" S"	uare
No.	Each	Amps.	No.	Each
K11229	\$4.87	0.5	K11220	\$4.87
K11235	4.87	1.0	K11221	4,87
K11238	4.87	1.5	K11222	4.87
K11239	4.87	2.5	K11227	4.87
K11246	4.87	5.0	K11228	4.87



ROUND AND SOUARE CASE PANEL METERS



Incorporate precision engineering, the finest materials and workmanship. Molded cases, all terminals molded in. Sapphire jewels in adjustable screws. Accuracy within 2%.

D.C. Milliammeters Round and Square Case

-				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	na ana	oqu	uic ou.	,
	2" Round	2" Square		3" Round	3" Square		4" Square	
	221	227A		321	327A		426	
Range	No.	No.	Each	No.	No.	Each	No.	Each
0-1	K11208	K11288	\$4.15	K11200	K11320	\$5.03	K11336	\$6.47
0-1.5	K11209	K11289	4.15	K11201	K11321	5.03		
0-3	K11415	K11290	4.15	K11411	K11322	5.03		
0-5	K11416	K11298	3.23	K11412	K11323	4.15	K11337	5.39
0-10	K11210	K11299	3.23	K11202	K11324	4.15	K11338	5.39
0-15	K11211	K11300	3.23	K11203	K11325	4.15	K11339	5.39
0-25	K11398	K11306	3.23	K11394	K11326	4.15	K11340	5.39
0-50	K11212	K11309	3.23	K11204	K11327	4.15	K11341	5,39
0-100	K11213	K11311	3.23	K11205	K11328	4.15	K11342	5.39
0-150	K11417	K11312	3.23	K11413	K11329	4.15	K11343	5.39
0-200	K11214	K11313	3.23	K11206	K11330	4.15	K11344	5.39
0-250	K11418	K11314	3.23	K11414	K11331	4.15	K11345	5.39
0-300	K11287	K11315	3.23	K11395	K11332	4.15	K11346	5.39
0-500	K11215	K11316	3.23	K11207	K11333	4.15	K11347	5.39
0-750	K11400	K11317	3.23	K11396	K11334	4.15	K11348	5.39
0-1000	K11401	K11318	3.23	K11397	K11335	4.15	K11349	5.39
-	O 881.			. D				

D.C. Microammeters—Round and Square Case

0-50	1	1	1	K11352	K11354	\$10,78	K11358	\$12.05
0-100				K11353	K11355	9,38	K11359	10.61
0-200	K11432	K11350	\$7.55	K11434	K11356	8.62	K11360	10.06
0-500	K11433	K11351	5.59	K11435	K11357	6.66	K11361	7.74
				_				

A.C. Voltmeters Round and Square Case

	2" Round 231	2" Square 237A		3" Round 331	3" Square 337A		4" Square 436	
Range	No.	No.	Each	No.	No.	Each	No.	Each
0-5	K11280	K11449	\$3.23	K11273	K11459	\$4.15	K11466	\$5.39
0-10	K11281	K11454	3.23	K11274	K11460	4.15	K11467	5.39
0-15	K11282	K11455	3.23	K11275	K11461	4.15	K11468	5.39
0-25	K11283	K11456	3.23	K11276	K11462	4.15	K11469	5.39
0-50	K11284	K11380	3.23	K11277	K11381	4.15	K11382	5,39
0-150	K11286	K11457	4.15	K11279	K11463	5.03	K11470	6,47
0-300	K11409	K11458	5.22	K11406	K11464	5.95	K11383	7.03
0-15-								
150				K11408	K11465	6.66		

D.C. VOLTMETERS

No.	Range	Each
K11240 K11241	0-10 0-50	\$5.95
K11242 K11243	0-100 0-150	\$6.30
K11244	0-500	\$7.91

D.C. VOLTMETERS

123 Onins per voit						
Mode No.	el 321 Each	Range	Mode No.	Each		
K11230 K11231 K11232	SA 4E	0-10	K11247 K11248 K11249	59 99		
K11233 K11234 K11236	SA 4E	0-50	K11250 K11251 K11253	12 22		
K11237 K11404	\$5.03		K11254 K11405			

METER DIMENSIONS

Mode	Fla	inge	Body	Dia.
221, 231,		2116		23,50
227A, 237	7A	23/8x		25 2
321, 331,	341	31/2"		234"
327A, 337	A, 347A	. 3x	3"	2%"
426, 436		41/4×		31/8"
521, 531		514"		43%
626, 636		6x	514"	436"
726, 736		717 32X	629 4	3 1/2"

lbs. K10398—21/4" hole K10399—21/4" hole Your \$1.03



A.C. MILLIAMMETERS Model 331

No.	Each	Ma.	No.	Each
	\$4.87		K11420	
K11265	4.15	0-15	K11269	13 22
K11266	7.10	0-25	K11270	0.20
K11267		0-50	K11271	
K11268	4.15	0-100	K11272	23 33
K11422		0.500	K11474	

A.C. AMMETERS

Mode			Mode	
	Each	Amps.		
K11255 K11256	⁵ 4.15	0-1 0-3	K11260 K11261	3.23
K11257 K11258		0-5 0-10	K11262 K11263	53.23
K11259 K11429	55.03	0-25 0-30	K11264 K11384	54.15
K11431	\$6.47	0-50	K11385	\$5.59

D.C. AMMETERS

ı	Model 321	SHAITE	Model 221		
H	No. Each	Amps.	No.	Each	
H	K11216		K11223		
H	K11372		K11376		
i	K11217		K11224		
ı	K11218 54.15	0-10	K11225	33 23	
ı	WIII212	0-10	WIIII		
ł	K11374		K11378		
u	K11375	0~30	K11379		

TRUTEST Meter Cases

Black crackle finish steel cases 4x4x4¼" high. Two ceramic insulators. Wt. 2

Front Illuminator

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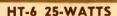
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More advanced than EC-1. Features a tuned
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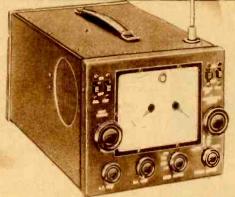
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Deluxe 9-Tube receiver with speaker in separate matching cabinet. Incorporates crystal filter, automatic noise limiter, preselection on all bands, 2-stage i.f. amp. Three tuning bands: \$50-2100 kc., 2.1-8.1 mc.; 7.9-30.5 mc. Calibrated band spread on 80, 40, 20, 10 meter bands. Tubes: 6SD7GT r.f. amp.; 6K8 converter; 2-6SK7 i.f. amp.; 6H6 det. and A. N. L.; 6SC7 first audio and b.f.o. 25L6GT "beam" output; 25Z6G7 rectifier; K29D ballast. Variable selectivity. For 110/120 valts d.c. or a.c. (50/60 cycles). Shpg. wt. 34 lbs. K21334—With tubes, crystal and matching speaker. speaker. \$59.50

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6-Tube 3-Band Receiver
Low cost 6-Tube 3-Band A.C.-D.C. communications receiver. Three bands cover from 550 kc. to 30.5 mc. Has electrical band spread. Features: beat frequency oscillator; band spread logging scale; self-contained speaker; a.f. gain control; standby switch; speaker -headphone and A.V.C. "on -off switches. Tubes: 12K8 converter, 125K7 i.f. amp., 125Q7 det.—a.v.c.—first audio, 35L6GT power output, 12J5 B.F.O. and 35Z5 rectifier. Housed in gray crackle finished metal cabinet. 71/2x11x756". Shap, wt. 14 lbs. K21332—With tubes. For 110 volts d.c. or a.c. (50/60 cycles).

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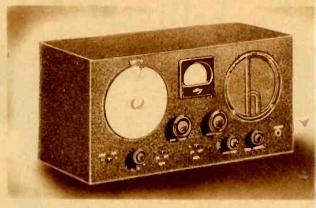
Portable Model S-29 SKY TRAVELER COMMUNICATIONS RECEIVER

The most sensational portable ever designed Not just a midget stuck into a carrying case, but a precision-built communications receiver in portable form. All the selectivity, sensitivity and stability you would expect only from the finest fixed station sets is yours in this new receiver that is truly universal. It will operate on either 110 volts a.c. or d.c. or from its self-contained batteries (approximate battery life 100 hrs.). It has a self-contained collapsible ontenna which can be extended to nearly 3 feet. It covers four complete bands-542-1490 kc, 1.43-4.35 km., 4.12-11.9 km and 11.26-30.5 km. Employs an r.f. stage on all bands. Incorporates an automatic noise limiter, electrical bandspread, high gain antenna coupling circuit, permeability tuned r.f. and i.f. circuits neon lamp indicator, etc.

The average sensitivity is below two microvalts on all bands. Tube lineup: IT4 r.f. amp., IR5 mixer, IP5GT 1st i.f., IP5GT 2nd i.f., IH5GT 2nd det.—a.v.c.—1st audio, 3Q5GT output amplifier, IG4GT beot oscillatar, IG4GT noise limiter and 50Y6GT rectifier. Controls include: main tuning—band spread—R.F. gain—A.F. gain—band switch—power switch—a.v.c. "off-on" switch—FO "off-on" switch—send-receive—standby switch. Connectors: doublet antenna socket—long anlenna socket—phone jack—battery cable with plug—ac/dc outlet cord. Dimensions: 7" high, 8½" wide and 13½" deep. All operating controls on front panel. Net weight including all batteries is I8 lbs.

K21084—Model S-29 Sky Traveler. Shog. wt 23 lbs.

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Undoubtedly the most popular amateur receiver ever designed Each new model has been an improvement over the previous one. And now the latest version to come out of the Hallicrafter laboratories incorporates more features than have ever before been built into so moderately priced a receiver. The efficient superheterodyne circuit employs 6 tubes of which two are dual-purpose types providing 8 tube performance. The tubes employed include: 6K7G, 6K8G, 6Q7G, 76, 41 and 80 rectifier. Complete tuning range of the receiver is from 545 kc to 44 mc in 4 tuning bands. This range includes the amateur 10 meter, 20 meter, 40 meter, 80 meter and 160 meter bands Electrical band spread is provided on each band. Other features of this remarkable receiver include: broadcast band coverage, beat frequency oscillator, automatic volume control switch, phone jack, pitch control, built-in speaker and a separate band spread dial. It also has a built-in plug and jact for battery or vibrapack operation. It is designed however for operation from any 110-120 valt 50/60 cycles a.c., line. Antenno connections are provided for both doublet and Marconi type antennas. The cabinet is beautifully finished in black crystolline and measures 17½x8x8½." Shipping weight 24 lbs K21094 – Sky-Buddy Model S-19R complete with tubes and built-in speaker



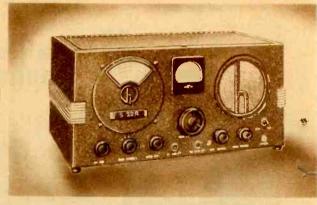
Model S-20R SKY CHAMPION

The new improved model of this famous communications receiver now employs nine tubes and incorporates many new and voluable features. Now more than ever before it is amateur radios biggest dollar value. Covering the compoler range from 545 kc to 44 mc in four bands it employs a stage of pre-selection on each band for added sensitivity and selectivity. It performs like a thoroughbred and is instantly responsive to each control. Among the controls provided are: r.f. gain or "sensitivity", audio gain or "volume", tone control, automatic volume control switch, beat frequency oscillator switch with its attendant "pitch" control, band switch, main tuning control and separate band spread control, "off-on" switch and "stand-by" or "send-receive" switch. Among the circuit features you will find; electrical band spread, outomatic noise limiter, two i.f. stages, drift compensated high frequency oscillator, r.f. amplifier, etc. White the receiver is designed for 110 volts 50/60 cycles a.c. operation o plug and jack is provided to permit operation from batteries or vibrapack

The tube lineup: 65K7 R.F. Amplifier, 6K8 1st Detector-Mixer H.F. Oscillatot, 65K7 1st 1.F. Amplifier, 65K7 2nd 1.F. Amplifier, 65C7 2nd Detector, A.V.C. 1st Audio, 6F6G 2nd Audio, 6H6 Noise Limiter, 6J5GT 8.F.O. and 80 rectifier. A matched built-in speaker and inertia type tuning controls further add to the completeness of this excellent receiver. It is housed in an extremely attractive steel cabinet measuring 181/2x93/2x81/2". Shpg. wt. 34 lbs. K21093 - Model 5-20R SKY CHAMPION complete with tubes and built-in

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While designed particularly for marine use in the 600 and 700 meter bands, this receiver is capable of covering a complete tuning range from 16.7 to 2730 meters (110 kc to 18 mc) thus making it ideal for any commercial or other service requiring a receiver operating within this range. The complete range is covered in four bands with an accurately calibrated main tuning dial having a scale length of 339° and a separate mechanical band spread dial. Both sensitivity and selectivity are of a higher order. Image rejection at the higher frequencies is particularly good due to the use of 1600 kc i.f. transformers.

formers

Other features include: beat frequency oscillator, matched built-in speaker, automotic volume control, individual coils for each band, sensitivity and gain controls, pitch control tone control, send-receiver switch and phone jack. The receiver is designed for operation from either 110 volts a.c. or d.c. Coibe operated from 6-volt d.c. storage battery by using converter listed below. The complete receiver is housed in an attractively finished steel cabinet measuring 18½x9½x9½x8½x8½x1078—Model 5-22R SKYRIDER MARINE for 110 V. o.c. or d.c. With tubes and speaker. Shpg. wt. 35 lbs.

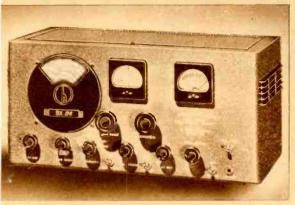
YOUR COST.

K14225—ELECTRONIC Converter Model 302 for 6-volt battery operation of Skyrider Marine Shpg. wt. 11 lbs.

YOUR COST.



COMMUNICATIONS RECEIVERS



Model SX-24 SKYRIDER DEFIANT

nine-tube communication receiver with "frequency metering," The Skyrider Defiant provides performance that can ampared favorably with most receivers selling at twice the Every advanced feature of the entire Hallicrafters line price Every advanced feature of the entire Hallicrafters line sincorporated in this unit. Four bands cover the range from 45 kc to 43.5 mc; frequency calibrated band spread dial for it imateur bands. Tube lineup: 3.65K7, 1.6K8, 1.65Q7, 6F6G 6H6, 1.76 and 1.80 rectifier. Controls include r.f. tain, selectivity switch, crystol phosing, audio gain, prich consists and tuning control, bandspread tuning control, auto-stic naise limiter switch. Hi-to fone control, send-receive which and beat frequency oscillator switch. Outstanding features at this remarkable receiver include: ane stage of presentation, DC operation socket for battery at vibrapack, six point variable selectivity from sharp CW crystal to high-celity, meter calibrated in both S and DB units, single-signal rystal filter and terminals for break-in relay operation. Cobmet dimensions are: 19½1x9½x9½x10½d. Shpg. wt. 40 lbs. K21194-Madel SX-24 Skyrider Defiant complete with tubes and

K21194-Madel SX-24 Skyrider Defiant complete with tubes and ystal but less speaker YOUR COST \$74.50

K21193-10" PM Dynamic Speaker in matching cabinet, Shpg \$15.00 YOUR COST



Model S-27 FM & AM RECEIVER

Model S-27 FM & AM RECEIVER

Designed specifically for the ultra-nigh frequencies—28 to 140
mc (11.1.2.06 meters) and to receive both frequency-modulated
and amplitude-modulated signals. Employs a total of 15
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supplied with voltage through a type VR-150 voltage regulator
toe. The meter is calibrated in both "S" and "D8" units.
Entire r.f. assembly is built on a separate chassis and shocktrounted to the main chassis. Expanding i.f. amplifier provides
sharp tuning ar standby tuning for AM and broad band-poss
for FM. Latest automatic noise limiter provided for AM. Airstand from output. Push pull audio amplifier with negative feedback. S meter has zero-center scale for accurate FM tuning.
Three tuning bands—27-46, 45-84 and 81-145 mc. Overall sensitivity (amplitude modulation) approx.: Band I—less than I
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1949/14" Shpg. wt. 75 lbs. For 110 V 50/60 cycle a.c. With 194227018 COST less speaker. \$195.00

K21299-YOUR COST, less speaker.

Model S-278: Same as above, but with extended tuning range

K21244-YOUR COST, less speaker \$195.00 K21193-10" PM Speaker in Table Model Cabinet.,



Model SX-28 SUPER SKYRIDER

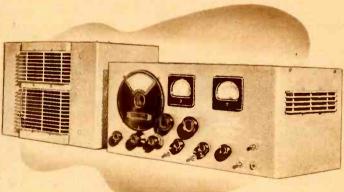
One of the finest communications receivers made, 15-Tube superhet covers from 550 kc to 42 mc in six bands, Incorporates variable A.N.L. control and oushpull "Beam Power" output.

pull "Beam Power" output.
Circuit features include: 2 r.f. stages, push-pull high fidelity audio, 5-step wide range selectivity, band pass audio filter, wide angle "5" meter, phono jack, adequate headphone output, improved signal to noise ratio, 80/40/20/10 neter amoveur bands calibrated, temperature compensated h.f. ascillator. The hassis is of No. 14 gauge steel codmium plated. The 8½x19" rack type panel is of ½" thick steel with eiched control markings and finished in Morocco. Cabinet atm.: 20/xx14/xx9½" deep. Cabinet is finished in machine tool gray wrinkle. X21083-Model SX-28 with crystal and tubes but less specker. For 110 volts 50/60 cycles a.c. operation. Shag, wt. 90 lbs.

SKYRIDER 32: Most popular communications receiver! Similar in appearance to the SX-28, it uses 13-tubes and covers from 500 kc to 40 mc in six bands. Has 6-step variable selectivity, wide angle "5" meter, crystal control, two r.f. stages (on bands 3, 4, 5 and 6). Same cobinet as used with SX-28 described above, Shpg. wt. 87 lbs.
K21319-Skyrider SX-32 with crystal and tubes, less speaker. \$149.50 YOUR COST....

\$34.50

10" PM Speaker in Table Model Cabinet, Shpg. wt. 17 lbs. K21193-YOUR COST. \$15.00



Model SX-25 SUPER DEFIANT

Model. SX-25 SUPER DEFIANT

One or the finest values that Hallicrafter has ever affered in the communications field! It has so many outstanding features that we hardly know where to begin. Most unusual in a receiver at this price are perhaps its extreme selectivity and its more and better audio amplification. Then there is the automatic noise limiter, the separate calibrated band spread dial for the 10, 20, 40 and 80 meter bands, the compensated ultra-stable oscillator, the six-step variable selectivity control, the "S" meter, the 8-watt push-pull output stage, the laboratory checked piezo quartz crystal filter. Four funing bands cover the complete range from 540 kc to 42 mc. The tube lineup: 65K7 1st r.f. amp.; 65K7 2nd r.f. amp.; 65K7 and det.-AVC--1st audio amp.; 65K7 1st i.f. amp.; 65K7 2nd i.f. amp.; 65K7 st origination in the six provided for the second provisions for: send-receive terminals, headphones, 5000 ohm on 500 ohm output, single wire or doublet antenna. 80th i.f. stages are expanded in the "Broad IF" position for high fidelity performance. The automatic volume control circuit keeps most signals at a uniform level. The automatic noise limiter reduces interference by as much as 70%. The extremely low noise level of the Superior and 111/4" deep. For 110 V. 50/60 cycle a.c. operation and a socket is provided for d.c. operation from either batteries or a vibragack. Shap, wt. 67 lbs. K21240-Model SX-25 complete with tubes, crystal; less speaker.

K21193-10" PM Speaker in Table Model Cabinet, Shpg. wt. 17 lbs. YOUR COST

\$15.00



Model 436A

This model incorporates all of the features of the model 435A described features of the model 435A described at the right plus an umber of important additions and refinements, It has 8 tubes instead of 7. The eighth is a noise limiter that permits you to hear many stations that would otherwise be lost in the QRM. It is so designed that signals having a modulation above 60% and a steep wave front characteristic are cut off automatically. The additional tube is a type 6H6, Also included are the new Howard Inertia Knobs that makes tuning easier and faster. Wt. 26 lbs. Model 436A—complete with tubes and built-in speaker. built-in speaker. K21242-YOUR COST\$41.75

Model 435A

Howard Model 435A is the basic unit of the Howard "400" Series

Model 437A



Model 445

Truly a "universal" Truly a "universal" communications-type receiver. Operates on AC or DC-117 volts! Ideally suited for use in DC districts, aboard ships and for operation by the traveler encountering various voltages and currents. Operates at top efficiency on any

Model 490

Howard's finest? 14 tubes with two stages of pre-selection! Incorporates a tempercorporates a temper-ature - compensated oscillator, variable selectivity air-trimmed I.F.'s, fully shielded coil and condenser assembly, carrier level meter and variable fidelity audio system. Con-trols include: main tuning, bandspread



Hammarlund "Super-Pro"

18-tube professional type receiver embodying the latest developments in the communications field. Incorporated features which enable it to take the place of several special receivers usually necessary where the service is diversified. Ideal for commercial or military service where exceptional performance is demanded. Features 2 stages tuned r.f.; variable selectivity crystal filter; noise limiter, "S" meter; full electrical band spread; BFO; 3-stage audia, etc. For 110 volts 60 cycles AC. In table cabinet 21½/x12½/x15". Black wrinkle finish. Shpg. wt. 115 lbs.

K21041 — Model SP210X. For 15-560 meters. With tubes, power supply, 10" dynamic speaker and crystal.

YOUR COST.

K21043—Model SPR210X-same as above but 18-tube professional type receiver embodying

K21043—Model SPR210X—same as above but for rack mounting. With dust cover, \$328.50 YOUR COST K21045—Model SP210SX. For 7.5-240 meters. With tubes, power supply, 10" dynamic speaker and crystol. YOUR COST. S318.00
K21047—Model SPR210SX—as above but for rack mtg. With dust cover. \$328.50



Hammarlund "HQ-120X"

An ultra-modern 12-tube superheterodyne designed to meet the most critical demands for a high quality communications receiver. Covers a continuous range from 31 to .54 mc (9.7 to 555 meters) in 6 steps including all important communications bands plus the broadcast band. Features a newly developed crystol filter circuit, variable in six steps from full band width to razar-edge selectivity, plus phasing contral; "5" meter for measuring signal strength; Noise Limiter circuit; Antenna Compensator to permit perfect matching to various.



Standard RME-99

RME receivers have long been favorites of amateur and professional alike. The RME-99 is the latest in this family of thoroughbreds and capable of amazingly fine performance. In construction, too, it is autstanding featuring a one-piece steel chassis for perfectly rigid, vibration-free alignment of its various components. 12 tubes are employed in a perfected circuit covering the range from 540 to 33,000 kc in six bands. Average sensitivity is better than 2 microvolts (based on I-watt rather than the usual 50-milliwatts output). Features include: voltage-regulated power supply; decibel-R carrier level meter; automatic noise suppressor; 8" diameter bandspread scale; high L/C ratio on all bands; 6-position crystal filter; relay and break-in control; combination antenna input; 8FO, AVC, etc. All tubes are of the latest loktal type. A matching 8" diameter dynamic speaker is included. Gray wrinkle cabinet 19x101/x29" on receiver; 53/x391/x16" on speaker. Shpg. wt. 77 lbs. For 110 V. 60 cycles AC.

8" speaker and crystal as described. YOUR \$160.78



MODEL NC-45 Series

National's inexpensive receivers for AC, AC-DC or bottery operation. From \$40-30,000 kc in four bands. Sand spread operation covers amoteur bands as follows: 3.5 to 4.0 mc-65 divisions, 7.0 to 7.3 mc-50 divisions, 14.0 to 14.4 mc-56 divisions, 28.0 to 30 mc 40 divisions, 28.0 to 30 mc-40 divisions. Separate switches for CW oscillator, noise limiter, AVC and tone circuits. Tube lineup: 6KB 1st det-osc.; two permeability-tuned 1F stages using 6L7's; 6SQ7 2nd det-AVC-1st audio; 6H6 self-adjusting series-valve noise limiter; 2SL6 power output stage (battery sets use 6V6G); 6J7 8FO; 2SZS rectifier (on AC and AC-DC models), Gray finished metal cabinets 8¾"H, 17"W, 10¾"D. All models complete with tubes and speaker in matching cabinet. Shpg. wt. 45 lbs.

K21273-NC-45 for 105-130 V. AC or DC.

K21273-NC-45 for 105-130 V. AC or DC. K21259-NC-45A for 105-130 V. 60 cycles AC EITHER ABOVE YOUR COST ... \$57.50 K21059-NC-45B for 6 V. "A" and 90-135 V. "B" Sattery operation. YOUR COST..... \$57.50 K21060 - NC-45BV same as 458 but vibrator power supply for 6 V. \$
YOUR COST. with built-in \$75.50

K21061 - LDR-44. 210-260 V. dropping resistor for Models NC-45 and NC-45A......\$1.98 NC-100 series receivers... K21325 - 686 Six-volt DC Vibrator Pack for Model

K21255-5886 120 V. 60 cycle AC power supply for Model NC-458 \$19.50

NC100-A-100-XA

11-tube communications type superhet covering the tuning range 540 kc to 30 mc (555 to 10 meters). One stage of r.f.; two i.f. used. Both sets have self-contained power supply; including speaker field excitation. Low loss insulation and Hi-Q coils for high sensitivity. and selectivity. Unique range changing system combines convenience of coil switch with electrical efficiency of plug-in coils. Large full vision dial calibrated directly in megacycles and a separate high range wegies dial for directly in megacycles and a separate high speed vernier dial for high precision in logging. The NC-100XA is identical with the NC-100A except for the addition of a built-in crystal filter. Both models use an effective noise limiter. Both in black crackle finish metal capitals. JV/01/4/16/1/ ish metal cabinets, 17x101/2x111/2

K21256-NC100A-Complete with all tubes and 10-inch speaker in matching cabinet.

.\$132.00

With Crystal Filter
K21257 - NC-100XA - Similar to
above, but with built-in crystal
filter for maximum selectivity on
both phone and CW. Complete
with tubes, 10" speaker in matching cabinet. Shpg. wt. 75 lbs. \$156.75

MODEL NC-200-TG

This National communications type receiver contains new features not previously available in any receiver regardless of price. Using a 12-tube superhet circuit that is inherently stable with all components operated well below their normal ratings insures long life and trouble-free operation. Tubes used: 65K7 r.f. preselector; 6KB ist det; 65K b.f. oscillator; 6K7 lst i.f.; 65K7 2nd i.f.; 6CBG 2nd det.-limiter; 6SJ7 AVC; 6SJ7 BFO; 6FBG phase inverter; 2-6U6G push-pull audia and 5Y3G rectifier. Outstanding feature is the new tuning and band-switching arrangement having 1EN accurately calibrated ranges with its individual dial scale. Six ranges cover 490 kc to 30 mc continuously, covering the 500 kc marine frequencies. 4 band-spread ranges for the ham 10, 20, 40 and 80 meter bands are spread out over the major portion of the scale. Range indicator system being part of the dial indicates band in use. Same knob used for tuning and band selection. Highly sensitive, I microvolt input provides. I watt audio. Polystyrene coil forms in all circuits. Signal to image ratio better than 30 db at 10 meters. New h.f. ascillator design makes for high stability. Temperature compensating condensers reduces frequency drift to minimum. Utilizes new crystal filter has selectivity adjustable in 6 steps. Phasing circuit provides rejection ratios as high as 10,000 to 1. Calibrated signal strength meter. Special socket and plug for emergency or portoble battery operation. In metal cabinet, 19/4x 101/xx121/4." with speaker in matching cabinet, 19/4x 101/xx121/4. Speaker in cabinet, 19/4x 101/xx12 This National communications type receiver contains

HRO Series

World's finest communications receiver, complete with de luxe relay rack, power supply, speaker and spare coil cabinet, in a single unit for table or desk use. Chrome strips between units and speaker grille coincide with other new, streamlined features. Standard model includes all coils for continuous range of 1.7 to 30 mc. Same coils, by simple switching method, may be used for band-spread on amateur bands, providing nearly 12-feet of dial space for each band, Low-drift oscillator and extremely favorable signal to noise rotio provide constant signal level. 2 stages of tuned r.f. provide exceptional sensitivity and image rejection ratio. Lamb type xtol filter circuit. AVC and manual control. V.T. voltmeter calibrated in "S" units. Phone or loudspeaker operation. Finished in black leatherette enamel. World's finest communications receiver, com-

K21262-HROC, complete as shown, with 4 sets coils (14-30, 7-14-4, 3.5-7.3, 1.7-4.0 mc.). Shpg. wt. 119 lbs. \$285.00

K21251-HRO, rack mounting, as above, less all other units, with 3/16" black aluminum panel, 84" panel height. Shpg. wt. 62 lbs. YOUR COST... \$211.20

K21265 - HRO table model, otherwise as above, less all other units. Shpg. wt. 62 lbs. YOUR S197.70

NOTE: All models above for 6.3 volt AC. We can supply 2.5 V. AC models on special order at same prices. Above models available in Gray finish on special order



ACCESSORIES FOR HRO RECEIVERS

K21320-Type SPC. Combination power supply, speaker and coil cabinet, rack mounting 15½," high. Shpg. wt. 48 lbs. \$59.40
YOUR COST.
K21279-Type MRR. Relay Rack only. 24½"
yonel space, Wt. 21 lbs.
YOUR COST.

YOUR COST.

POWER SUPPLIES

K21322-Type 697. With tube, for 6.3 volt tubes. Shpg. wt. 15 lbs.

YOUR COST.

K21323 - Type GRSPU697. As above, Rack Type. Shpg. wt. 36 lbs.

YOUR COST.

K21261-Type 5897. With tubes, for 2.5 volt tubes. Shpg. wt. 15 lbs.

YOUR COST.

K21324-Type GRSPU5897. As above, Rack Type. Shpg. wt. 36 lbs.

YOUR COST.

K21325-Type 686. Table type Vibrator Power Pack. For 6.3 V. DC.

Wt. 12 lbs. YOUR COST.

SPEAKERS

ADDITIONAL HRO COILS
K13774-Type E-900-2050 kc. \$13.20
K13773-Type F-480-960 kc. \$13.20
K13772-Type G-175-430 kc. \$18.00
K13779-Type H-100-200 kc. \$19.80
K13765-Type J-50-100 kc. \$24.00

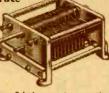


NATIONAL EQUIPMENT



"TMC" Moderate Power Units

For use with RK18, RK20, 800, 830,203A,210,etc. Air gap is .077"; buffed plate edges; aluminum plates and heavy alu-minum frame



Isolantite insulation; 3-hole panel mounting with bolts and spacers; flanged legs for base mounting; ¼" shafts, 1½" long; overall size: 3½" wide, 2¾" high (except TCN).

Letter	D after type	denotes	split	stator.
Stock	Nat'l No.	No.	Peak	Your
No.	& Cap. Mfd.	Plates	Volts	Cost
K14592		7	3000	\$2.64
K14593		13	3000	3.00
K14594		21	3000	3.45
K14596		39	3000	4.35
K14595		13-13	3000	4.95
K14261	TCN*		6000	2.40
* For no	eutralizing 203/	A. 852 20	14 A et	re

Ultra Midgets

"UM" Condensers
Especially designed for ultra-high frequency circuits. Mounted on isolantite base 1x23%"; can be mounted in shield can. Shafts extend for ganging. UMB25 has two stators and a single rotor.



No.	Type	Mmfd.	Gap	Each
K14336	UM-15	15	.017"	\$0.84
K14337	UM-35	35	.017"	.99
K14338	UM-50	50	.017"	1.05
K14339	UM-75	75	.017"	1.14
K14319	UM-100	100	.017"	1.26
K14340	UMA-25	25	.042"	1.20
K14341	UMB-25	25-25	.017"	1.20

"NC-600" Neutralizing Condenser



Small neutralizing condenser for use with 6L6's and similar beam power output tubes. Capacity adjustable by means of a thumb screw

from 5 to 4 mmfd. Isolantite insulation. Shpg. wt. 6 oz.

K14252—Your Cost Each 30c

Midget Receiving Condensers

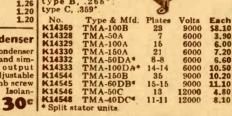


line wavelength plates; "SE" types 270° rotation cy plates. '" shafts. straight-line frequency plate

		2 5111111	/4 0	
No.	Type	Mmfd.	Plates	Each
K14300	STHS15	15	3	\$0.90
K14299	ST35	36	9	.99
K14291	ST50	50	11	1.20
K14293	ST100	100	20	1.50
K14295	ST140	140	27	1.65
K14294	ST150	150	29	1.65
K14296	STH250	250	32	1.98
K14303	STD-50	50-50	11-11	2.40
K14280	SE-50	50	11	1.50
K14282	SE-100	100	20	1.80
K14287	SEH335	335	43	2.31
K14476	STN*	18	7	1.20
* For ne	utralizing 10	, 45, 47,	etc.; 300	

"TMA" Heavy Duty Units

Plates of heav buffed rounded edges. Isolantite buffed rounded edges. Isolantite insulation; 4-hole bolt-spacer panel mtg.; ½" shafts 1½" long; 4½" wide, 8½" high; type A (last letter) have .171" gap; type B, .265"; type C, .359".



Experimenters' Midget Condensers A low-priced unit for re-

ceivers, transmitters and experimental work. Noncorrosive brass plates. Bake-

No.	Mmfd.	Plates	Spacing	Each	
K14327	15 -	5	.045	57c	
K14344	25	7	.045	57c	
K14392	35	10	.045	66c	
K14342	50	6	.017	60c	
K14322	100	12	.017	66c	
K1434 3	140	15	.017	84c	

"TMS" Low Power Units

Aluminum plates heavy aluminum frames; Isolantite insulation; ¼" shafts, 1½" long; both panel mounting and 2-hole base mounting; adjustable rear bearing; TMS units have .026"

air gap, TMSA air gap, TMSA units, .065"; all screws have lock-washers; overall dimensions: 13/4x23/23/4". Shpg. wt. 3 lbs.

Stock Nat'l No. & Cap. Mmfd. No. of Peak Plates Volts Cost No. K14550 TMS-100 \$1.65 1.80 1.98 2.55 1000 K14551 K14552 TMS-150 TMS-250 1000 1000 K14553 K14554 TMS-50D* TMS-100D* 5-5 9-9 3.00 2.40 1.98 1000 M 34549 27 1000 2000 K14556 TMSA-50 11 2000 2,16 Split stator models



"NC-800" Neutralizing Condenser

Condenser
High voltage Disc type neutralizing condenser for RCA
800, 35T, HK64 and similar
tubes. Low loss steatite insulation. Has micrometer
screw adjustment. Three-hole
mounting bracket. Shpg. wt.
1 lb.

1 lb. K14259 Your Cost \$1.80

"CIR" Isolantite Sockets With Locking Ring



Low loss isolantite sockets can be locked in metal flange. Ideal for high frequency receivers

and tr	ansmitters.			
No.	Prongs	No.	Prongs	Any Type
K1453	4 4	K14537		Each
K1453	5 5	K14538	7 large	05
K1453	6 6	K14539	8 octal	279

Flexible Shaft Couplings



wt. each, 8 oz. K14530 TX-12. 4%". Your Cost Each K14529 TX-13. 71%" Your Cost Each K14531 TX-11. With 840 990 K14531—TX-11. tite insulation. 45 Your Cost Each Without Isolan-4% 42°

Solid 1/4" Shaft Couplings: Solid K14501—TX-1. 1%". Ea. 66° K14502—TX-2. 3%". Your Cost Each 75°

Shaft Couplings



All take 1/4" shafts. TX-8: Isolantite ins. K8461 51° Each TX-9: Steatite insu-

75° TX-10: Can vas bakelite insulation. 36° Each

Isolantite Stand-Offs

Metal mounted top and bottom. Shaped for maxi-mum efficiency. Ideal for

No.	Туре	Dia.	Ht. I	Each
K14479	GS-1	35"	13%"	24c
K14480	GS-2	15"	21/8"	30c
K14481	GS-3	3/4"	216"	60c
K14482	GS-4	3/4"	47%"	75c
K14475	GS-4A	3/4"		1.05

Steatite Types AA-3, AA-6 AA-3 Feeder Spreader

(top) is 61/4" di-long, 3/4" di-ameter. Will give 600 ohm surge impedance with No. 12 wire.
K14498—Each

AA-6 Antenna Insulator (bottom)
½" dia., 4¼" long
K14499 Each

Isolantite Plug & Socket

For use with XR 16 coil forms PB-16 Plug. K14614— Each XB-16 Socket K14615 Each



Type "ACN" Dial

Ideal for E.C. oscillator or U.H.F. receiver. 5-Range scale for hand calibration, with 0-100 linear scale as guide. 2 extra scales furnished. Lucite dial and pointer. 5:1 Vernier. Frame 5x1½". For ½ shafts. K14474—Wt. 2 lbs. Your Cost. \$3.00

R100, 100U, 300 Chokes



R100. (A) For receivers and low-power trans-mitters. Four sections on Isolantite. Wire leads. Induct., 2½ mh., DC resist., 50 ohms.

pladas. Induct., 2½ mh., DC resist., 50 ohms, rating, 125 ma., dist. cap., 1 mmfd.

30c

K14429—Each

R100U—Same as above, for chassis mounting. (B)

K14421—Your Cost

R300—Like R100, but 1 mh. induct.; 10 ohms DC; 300 ma.; 1 mmfd, dist. cap. (A)

K14422—Your Cost

30c



R-175 Choke

Suitable for series or parallel feed circuits in rigs up to 3000 volts modulated plate sup-ply. DC resistance 6 ohms; DC current rat-ing 800 ma.; induct-ance 225 microhenries; distrib.cap.0.6 mmfd.; 12,500 volts insul. K14398 \$1.80

Type "B" Vernier Dial



Ratio variable from 6:1 to 20:1. Black Bakelite shell. 4" diam K14367-Clock. 200-0 in 360° K14368 0-100 0; 180°. Each

K14352-Dial illuminator TYPE "BM"—Similar to above but without variable ratio. 3" dia K14371—0-100-0; 180° K14372—Clockwise, 200-0; 360° Your Cost Each \$1.65

\$1.65

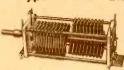


Type "N" **Precision Dial** Engine divided scale and vermer Reads to 1/10 of a division. Planet

ary driveratio 5:1 Diam. 4" Bake-lite knob K14363-Counter-clock.0-100,1809 K14364—Clockwise 100-0, 180° K14365—Clockwise 150-0, 270° K14366—Clockwise 200-0, 360° Your Cost

PRECISION

"HFA" and "HFB" Condensers Type



"XP53" Short-Wave

Plug-In Coils

rovide maximum signal strength and greatest selectivity on all bands.

Precision wound on natural amber

rolored ribbed forms. Have languagers for easy handling, and meter indexes for wave-length inscriptions. The diameter 2% long (exclusive prongs). Have shelf for padding condenser. Fit standard sockets.

SWK4 4-Prong Kit

Kit for four 2-winding coils cover-ng from 17 to 270 meters with 140

10 to 20 17 to 41

33 to 75 66 to 150 135 to 270

250 to 560 SWK6 6-Prong Kit

Kit of four 3-winding coils covering from 17 to 270 meters with 140 mmfd. condenser.

K9789—Your Cost.

\$3.00

Individual 6-Prong Coils

10 to 20 17 to 41 33 to 75 66 to 150

135 to 270

Individual 4-Prong Coils

\$2.55

75c

75c

60c

60c

900 90c

900

75c

with 140

\$1.00

1.00

1.25

1.00

1.50

mmfd. condenser. K9788 Your Cost

tock No.

tock No.

K8501

K 8479

K8481

K8500

K8475

All cadmium plated brass parts. lantite end plates HFB models have insulated control shafts especially deinsulated control snatzs especially designed for circuits where high voltage is connected directly to the rotor; more compact; higher factor of personal safety. 100% soldered construction. 14 "shafts; all plates semi-circular. 113 kg" square Isolantite end

plates.	All rear bearing		le ball thrust			
Stock No.	Hammi'd	Mmf.	Section No. Plates	Air Gap	Length	Your
K7225 K7226	HFBD100C HFBD100E	100	23 29	.050" 070" 070"	45/8 611 is 313/4	54.98 5.40
K7227 K7228	HFB100E HFB100F	100	29 39	100"	57/8	3.48 4.14
K7229 K7230 K7231 K7232	HFAD100A HFAD140A HFAD100B HFAD15E	100 140 100 15	19 27 27 9	020" 020" 030" 070"	223 32 33/8 329 32 223 32	3.18 3.54 3.24 2.40
K7233 K7234 K7235 K7236	HFA100A HFA140A HFA10B HFA15B	100 140 10 15	19 27 3 5	020" 020" 030" 030"	1 12 to 15 t	1.56 1.80 1.20 1.26
K7237 K7238 K7239 K7240	HFA25B HFA50B HFA15E HFA30E*	25 50 45 30	14	030" 030" 070" 070"	1 3/4 1 3/4 2 1/2	1.32 1.44 1.32 1.50
* Loug r	our legiantite no	nel				



Cadmium-plated soldered hrass plates; Isolantite plates; Isolantite insulation; heavy aluminum ends;

single-hole mount; 0245" gap; 0225" places; ¼" shaft, can be ganged; silver plated Beryllium wiper; 500volt a.c. test.

Stock	No. of	Cap. Mmfd.	Your
No.	Plates	MinMax.	Cost
K8503*	3	5.5-20	\$1.32
K8504*	5	6-35	1.38
K8505*	7	6.5-50	1.44
K8506†	11	8-80	1.56
K8507*	11	7.3-80	1.56
K8508*	14	8.3-100	1.68
K8509†	14	7.5-100	1.68
K8510+	19	9-140	1.80
K8514*	19	10-140	1.80
K8511†	27	10.3-200	1.98
K8512+	34	12-260	2.16
K8513†	43	13.5-320	2.40

† Midline. * Semi-circular plates.

Dual-Spaced Midgets

.0175" air gap; Isolantite insula-tion: single-hole mount; compact.

No.	Type	Mmfd.	Each
K8527	MC20 MX	20	\$1.44
K8468†	MC20SX	20	1.44
K8488†	MC35MX	3 2	1.56
K8489†	MC50 MX	50	1.68
K8502	MC100SX	100	2.10
† Straig!	ht Line.		

Chart Ways Manual

Short-wave mainai
Sixth edition. Devoted to the be-
ginner and "Junior Constructor".
32 Pages of data on s-w and u.h.f.
receivers, x'mitters, power sup-
plies, etc. Many photos and dia-
grams. Ideal for the beginner's
library.
K20023—Each

"SWF" Low-Loss Forms Made of XP53 low-loss didectric Natural amber color. All forms are grooved and equipped with flange grips for easy handling. Meter indexes for wave-

ength inscriptions, 1 ta., 2½ long. K9970 4 Pr. K9971 5 Pr. K9972 6 Pr. Each 300 36c

"TCF" Giant Forms

Similar to above, but for large transmitting coils. Groove ribbed for air-spaced windings. Supplied with brackets for base mounting. 25 winding space; 3" long exclusive

K8740- 4 Pr. Each

"TC" X'mitting Condensers



Moderately priced heavy duty transmitting condensers featuring: heavy aluminum end plates; Isolantite cross bars; non-inductive Beryllium self-cleaning contacts; full floating rotor bearings. Type L has .025" plates with plain edges; all others have .040" rounded plates. Ideal for modern up to date transmitters with power outputs ranging from 200 watts to 1 kilowatt.

"TC" Single Units

Stock No.	Type No.	Cap. Mmfd.	Plates	Plate Spacing	Length Ins.	Your
K9049	TC-55-F	60	15	.230"	5	\$4.80
K9048	TC-150-G	165	37	.200"	93/4	8.88
K9043	TC-110-H	115	23	.171"	55%	5.40
K9035	TC-90-K	95	11	.084"	214	3.42
K9034	TC-440-L	465	43	.070"	5	5.46
		"TCD"	Dual Ur	nits*		
K8940	TCD-50-H	53	11_	.171"	55/8	5.88
K8934	TCD-80-L	90	9	.070"	33/4	4.98
*TCD t	nits are ident	ical with	type TC	except th	at stator	sections
(canacit	ies shown) are	individual		•	9	

STAR Midget Condensers Non-corrosive

aluminum plates. Bakelite insula-tion. Single-hole mount, 1/4" shaft. mount, ¼" shaft. Wiper spring contact to rotor plates. Finest low priced condensers

made for experimental purposes. "HF" Micro Condensers

plates; Isolan-tite insulation; single-hole mount-

5 10

14 27

20

14 27

37

Single Cadmium

plated, sol-dered brass plates; Isolan-

No. K8700

K8701 K8702

K8703

K8705*

K8706 K8707 K8708

ing or base mounting.

Mmfd. 17.5 35 50

100 140

30

Specs. are given per section.

50

140

Stock No.	Cap. Mmfd.	Depth Inches	Your
K8482	15	11 16	54c
K8483	25	1 Lin	54c
K8484	50	1/2	60c
K8485	100	1 136	72c
K8486	140	11/2	84c
K 8487*	35	11/2	72c
K8469*	50	136	84c

*Double-spaced transmitting units

Isolantite Coil Forms

Equipped with a black Equipped with a black enameled grip handle. Size 1½" diameter, 2½" high, form only. Ample holes are pro-vided for taps, etc. K10058 4-prong form K10058-6-prong form K10058-6-prong form



Type CF Your Cost 96c Heavy-Duty R.F.

or hi power rigs working in the 20, 40, 80 and 160m e t e r bands. Six

Choke

pies on Isolantite core carry 500 ma., continuous. Inductance 2.5 ma. continuous. Inductance 2.5 mh. d.c. resistance 8 ohms. For parallel feed. Effective from 1500 to 30,000 kc. Type CH-500. K 8522

\$1.05 Your Cost Isolantite R.F. Choke

For short and ultra-short wave re-ceivers and transmitters. Four windmh., d.c. resistance 70 ohms. 1%x
%". Type CH-8.
K8524—Your Cost

Midget R.F. Choke C.MMD

windget R.F. Cho oniversal-wound pies on Isolantite core 1 1/4" long, 1/4" in diameter. In-ductance 2.1 mh., d.c. re 35 ohms, rated at 125 ma. K10002—Type CH-X Your Cost Each d.c. resistance

250 Ma. Choke Similar to above in design but rated at 250 ma, for use in medium power rigs; inductance 1 mh.; 10 ohms 30°

Bakelite-Cased Chokes

Very effective for broadcast and SW receivers. Large inductance, low distributed capacity. Bakelite case 1½" diam., 1½6" high.

Type RFC85—Passes 60 ma. 85



Type RFC85—Passes of ma. 85 millih, 215 ohms. K8525—Your Cost. Type RFC250—250 millih, at 60 ma., 420 ohms. K8528—Your Cost. \$2.10

16 28.5 K8709* 2.28 19 * Indicates double spacing.

"HFD" Dual Units

"MCD" Split-Stator



Entire condenser built on a strong Isolantite base. Shield plate be-

Each

50.84

.96 1.02

1.26

1.14

\$2.16 2.46 2.70 2.04

tween stators. Capacities are for each section. All 3%" behind panel. No. Type K8519* MCD140M K8520* MCD100M K8521* MCD50M Mmfd. Each 140 50

Double-Spaced Split-Stator Have wide (.0715") spacing of plates. Other specs. as above.

****	Conta opeca.		
No.	Type	Mmfd.	Each
	MCD35MX		\$2.88
	MCD35SX		

Type APC **Air-Padding Condensers**



Isolantite base soldered brass plates; 0.15" air-gap; only 17,221 15,12" high. Screw-driver adjustment; maintain con-stant capacity under all climatic condi-

Stock No.	Cap. Min.		Your Cost
K8623	3	25	50.78
K8624	3.9	50	.90
K8625	4.5	75	1.02
K8626	5.5	100	1.14
K 8743	6.5	140	1 35

Mica Trimmers

ype "MICS". Mounted on Iso-lantite bases, Size,

	Tested volts d.c.	
reakdov	vn.	
No.	CapMr	nfd.
K9952	10 to	70
V0053	70	40

K9953	70 to	220	36c
K9954	140 to		42c
K9955	600 to		60c
Mica die	MEQ-30.		

ype MEQ-30.	A
ca dielectric, Iso- tite base. %x3/4".	
nge 3to 30 mmfd. 747—	
747—	189

Ra K9



TRANSMITTING and SPECIAL PURPOSE





As the largest distributor of RCA tubes, we carry as complete a stock as possible under existing conditions. Deliveries of certain types, however, can be made only against orders bearing sufficiently high priority rating to enable RCA to deliver them to us

O -Oscillator; R -RF Power Amplifier; C -Class B Modulator; B -Beam Power Amplifier; A -AF Power Amplifier; S -Screen Grid Power Amplifier; T -Triode; P -Pentode; *=ICAS Rating.

6.0				-			
Type	Watts		Net	Type	Watts		Net
No.	Diss.	Description	Price	No	Dias.	Description	Price
203A	100	R, C, T	\$10.00	842	12	-A, T	\$ 3.25
204A	250	R, C, T	85.00	843	15	T, R, A	12,50
211	100	T, R, C, A	10.00	845	100	T, A	10,00
800	35	T, R, C	10.00	849	400	T, C, A, R	120,00
801A	20	T, R, A, C	3.45	850	100	S, R	37.50
802	13*	P, R, O, A	3.50	852	100	T, R	16.40
803	125	P. R	28.50	860	100	S, R	32.50
804	50°	P. R	15.00	865	15	S. R	12.75
805	125	T. R. C	13.50	1602	15	T, A	2.75
806	225*	T, R, C	22.00	1608	25*	T, R, O, C	4.00
807	30*	B, R, O	3.50	1610	6	P. 0	2.00
808	50	R, T, C	7.75	1613	10	R, P, O	2.75
809	30°	T, R, C	2,50	1614	21	B. R. O	3.50
810	150*	T, C, R T, C, R	13.50	1619	15	B, R, A, C, O	4.75
811	55°	T, C, R	3.50	1623	30*	R, C, T, O	2.50
812	55°	T, C, R B, R	3,50	1624	25	B, A, R	3.50
813	100	B, R	22,00	1625	30*	B, R	3.50
814	65*	B, R.	17.50	1626	5	0	2.50
815	25°	B, R, A	4.50	1627	150	T, C, R	13,50
826	60	T, O	19.00	1628	40	T, R, O	32,00
827R	800	B, R	135.00	1631	16	В	2.00
8Z8	80*	B, R, A	17.50	1632	5.5	В	2.00
829	40	B, R	19.50	1633	2.5	T, A	1.50
830B	60	T, C, R	10.00	1634	4	T. A	2.00
832	15	R, B	17.00	8000	150°	T, R, O, C	13,50
833A	450°	T, R, C	85.00	8001	75	B, R	27.50
834	50	R, O, T	12.50	8003	100	T, R, C, O	12.00
837	12	R, P, O	7.50	8005	85*	T, R, C, O	7.00
838	100	T, C, R	11.00	8007	25	B, R, O	3.50
841	15	R, A, T	3.25			L. T	100

Type Sci	een	Net
902	2"	\$7.50
904	5"	52.50
905	5"	45.00
3AP1/906-P1	3"	13.50
5BP1/802-P1	5"	24,75



	Type	Scre	en Net
	907	5"	\$48.75
1	908	3"	18.00
1	913	1"	4.00
1	914	9"	85.00

CATHODE RAY RECTIFIERS AND GAS TRIODES

Type 878	Description H. W. Hi-Vac Rec.	Net 511.00	884 885	Gas Triode	\$2.00
2X2/879	H. W. Hi-Vac Rec. H. W. Hi-Vac Rec.	1.35	2050	Gas Tetrode Gas Tetrode	3.00 2.50

HIGH VOLTAGE HALF-WAVE RECTIFIERS

Туре	Des.	Peak Volts	Net	Туре	Des.	Peak Volts	Net
217C 816 836	Hi-Vac Hi-Vac Merc-Vap Hi-Vac Merc-Vap	7,500 5,000 5,000	20.00 1.00 11.50	872 872A	Merc-Vap Merc-Vap Merc-Vap Hi-Vac	7,500	

EXI	PERIMENTAL TELEVISION TUBES	
Type	Description	Net
1847	2" Television Iconoscope	\$24.50
3AP4/906-P4	3" Kinescope ElectStat. (White Phos.)	18,25
5AP4/1805-P4	5" Kinescope ElectStat. (White Phos.)	27,50
7AP4	7" Kinescope ElectMag. (White Phos.)	36.00
9AP4/1804-P4	9" Kinescope ElectMag. (White Phos.)	62.50
12AP4/1803-P4	12" Kinescope ElectMag. (White Phos.)	75.00
5BP4/1802-P4	5" Kinescope ElectStat. (White Phos.)	27.50
1851	Amplifier Pentode	2.10
6AC7/1852	Amplifier Pentode (Single End)	1.35
6AB7/1853	Amplifier Pentode (Single End)	1.12
6AG7	Video Beam Power Amplifier	1.35

LHOLOLOBE2									
Type	Description	Vlts.	Net	Type	Description	Vits.	Net		
	Gas Type	90	\$3.70	924	Gas, End Type	90	\$2.00		
	Vacuum Type	500	4.75	925	Vacuum Type	250	2.00		
	Gas, Hi-Sens.	90	4.50	926	Vac. Cart. Rb. Type	500	3.00		
919	Vacuum Type	500	4.75	927	Gas Type (Miniat.)	90	3.70		
	Twin, Gas	90			Gas, Non-Direct	90	2.00		
	Gas Cartridge	90	2.00	929	Hi-Vac. Caesium	250	3.00		
	Vacuum, Cart.		2.00	930	Gas, Hi-Sens.	250	2.00		
323	923 Gas, Hi-Sens. 90 2,60 931 Multi. Type 400 12.00								
200		MIS	CELL	MEG	HE TYPES				

	R.C.A.	MISCELLANEOUS TYPES Fil.	En.
	Type	Description Vita	
	864	Amplifier Triode (low microphonic design) 1.1	\$1.00
	954	Detector, Amplifier Pentode (Acorn Type) 6.3	5.00
	955	Amplifier, Detector, Oscillator (Acorn Type) . 6.3	3.00
	956	Super-Control R.F. Amplifier Pentode (Acorn) 6.8	
	957	Detector, Amplifier, Oscillator (Acorn) 1.2	
	958	A.F. Amplifier, Oscillator (Acorn) 1.2	
	959	Detector, Amplifier Pentode (Acorn) 1.2	
	991	Voltage Regulator (Glow discharge)	.90
	1603 1609	Triple-Grid Amplifier (Low Microphonic Type) 6.3	
	1612	Amplifier Pentode (Low Microphonic Type). 1.1 Pentagrid Amplifier (Low Microphonic Type). 6.3	1.60
	1621		3.25 2.50
	1622	Beam Power Amplifier 6.3	2.75
	1629	Electron Ray Tube	1.25
	9001	U.H.F. Midget Pentode (Sharp Cut-off) 6.3	2.50
	9002	U.H.F. Midget Triode (for Osc., Det., or Amp.) 6.3	2.00
	9003	U.H.F. Midget Pentode (Super Control) 6.3	2,50
1	VR-75-30	Voltage Regulator, 75 Volts/5-30 ma	1.25
	VR-105-30	Voltage Regulator, 105 Volts/5-30 ma	1.25
	VR-150-30	Voltage Regulator, 150 Volts/5-30 ma	1.25

HYTRON TUBES

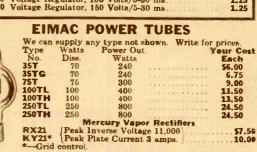
Туре		Fil.	Plate	Plate	C.C.S.º	Your
No.	Purpose	Volts	Volts	Ma.	Diss.	Cost
HY-24	Triode	2.0	180	20	2 W.	\$1.50
HY-30Z	Triode#	6.3	850	90	30 W.	2.75
HY-31Z	Twin-Triode /	6.3	500	150*	30 W.*	3.50
HY-40	Triode	7.5	1000	125	40 W.	3.75
HY-40Z	Triode#	7.5	1000	125	40 W.	3.75
HY-51A	Triode	7.5	1000	175	65 W.	4.75
HY-51B	Triode	7.5	1000	175	65 W.	4.75
HY-51Z	Triode	7.5	1000	175	65 W.	4.75
HY-1231Z	Twin Triode#	6:12	500	150*	30 W.*	4.50
801A/801	Triode	7.5	600	70	20 W.	2.50
HY-60	Beam	6.3	425	60	15 W.	2.75
HY-61/807	Beam	6.3	600	100	25 W.	3.50
HY-65	Beam	6.3	450	63	15 W.	3.00
HY-69	Beam	6.3	600	100	40 W.	3.95
HY-1269	Beam	6:12	750	120	40 W.	4.50
865A/865	Tetrode	7.5	1000	75	25 W.	7.50
HY-75	Triode	6.3	450	100	15 W.	3.95
HY-114B	Triode	1.25	180	15	2 W.	2.25
HY-615A	Triode	6.3	300	20	3.5 W.	2.50
866A/866	M.V. Rect.1	2.5	3165	5001		1.50
866 Jr.	M.V. Rect.	2.5	1575	250		1.05

°-Continuous Service Rating #-Zero Bias Tubes *-Both Triodes. ‡-Shielded Filament. †-Per pair. #-Zero Bias Tubes

HYTRON Bantam Junior Miniatures

	ments. Plate voltage 30 to 90. With base or 11/2" leads;
	specify type desired when you order. HY113/HY123—Medium-mu triode. Use as detector, ampli-
Inla	fier or oscillator. Your Cost Each \$1.75
HY115	/HY145—High gain non-microphonic pentode.
HY125	/HY155—Power output A.F. pentode.

We can supply all types of tubes for industrial requirements. Prices and technical data supplied on request.



Heintz-Kaufman GAMMATRONS

					CAMILLIA	171110	113
1	Type	Watts	Plate	Fil.	Power	Max.	Your
1	No.	Diss.	Volts	Vits.	Outp.*	Freq.	Cost
	24	25	2000	6.3	89	100MC	\$4.75
18	54	50	3000	5.0	210	100 M C	8.00
4	254	100	4000	5.0	450	50 M C	13.50
1	354C	150	4000	5.0	750	30MC	24.50
	257	75	4000	5.0	225	30MC	27.50
	454H†	250	5000	5.0	900	150MC	27,50
	854H†	450	6000	7.5	1800	125MC	75.00
		le Class					
	t-High	-Mil tvi	mo. [] age	-Mu a	n enecial o	rder)	

TAYLOR TUBES

Туре	Watts	Diss. Description Each
T-40	40	Gen. Purpose Triode. Carbon Anode \$3.50
TZ-40	40	Zero Bias Triode. For R.F. and Class "B" AF 3.50
T-20	20	Gen. Purpose Triode. Metal Plate 2.25
TZ-20	20	Zero Bias Triode. Metal Plate 2.25
T-55	55	Improved model. Max. freq. 120 MC 6.00
T-21	21	Superior Low-Power Beam Amplifier 1.95
T-125	125	Top plate and side grid caps. Accelerating fins. 13.50
T-200	200	Similar to T-125. Super carbon anode (2 1/2x1 1/4") 21.50
T-203-Z	65	Zero Bias. Metal plate. Class "B" Audio 8.00
822	200	Class "B" Audio. Carbon Anode
866A/866		Half-Wave Mercury Vapor Rectifier 1.50
866-Jr.		Lighter duty version of above 1.00
249-B		Heavy duty M.V. Half-Wave rectifier 5.00

INDUSTRIAL

Type 86 Porcelain Cased Micas

Hermetically sealed in purcelain conwith binding post terminals on standoffs. Mounting feet on base. Low r.f. resistance: capacity remains constant at



high frequencies and temperatures Mounting centers 3½" apart. 3¾" overall height, 2½" deep.

No.	Mfd.	D.C. Volts	Each
K4144	0001	12,500	\$3.53
K4145	.00025	12,500	3.88
K4154	.0005	12,500	3.88
K4146	.0005	7,000	3.18
K4147	.001	3,500	3.18
K4140	.001	12,500	3.88
K4148	.0015	12,500	4.59
K4155	.002	3,500	3.88
K4149	.002	7,000	4.59
K4141	.002	12,500	5.29
K4142	.005	10,000	7.06
K4152	.01	3,500	7.06

C-D "Silver Mikes"





Designed for use in electronic cuits where frequency stability must be maintained. Molded in must be maintained. Molded in low-loss red bakelite and provided with tinned brass wire leads. All units rated 500 volts d.c. working, 1000 volts d.c. test except on capacities higher than .0025 which are rated at 300 V. d.c. wkg., 600 volts d.c. test.

	Type	B	7 isX 11 1	"	
No.	Mfd. E	ach	No.	Mfd.	Each
K1351	.000005	35c	K1386	.00015	35c
K1352	.00001	29c	K1387	.0002	35c
K1353	.000025	29c	K1388	.00025	35c
K1371	.00004	29c	K1389	.0003	53c
K1383	.00005	29c	K1390	.0004	53e
K1384	.00007 -	29€	K1391	.0005	53e
K1385	0001	29c			

	Type	A3	" Squ	are	
K1392	.001	88c	K1396	.003	\$1.59
			K1397		
K1394	.002	1.06	K1398	.005	1.76
K1395	.(N)25	1.41			

Mallory Oil Impregnated Tubulars



K4028

K4030

Compact oil impreg-nated paper dielectric condensers available in two

1 Vpes OW: oil impregnated and filled. Suitable for vibrators, etc. Paper tube, with mounting bracket. 1600 working volts d.c.

OT: oil impregnated and oil filled.
Metal tubes. 2000 working volts d.c.
Type OW (1600 V. D.C.)

i y pc	CAR (TOOD A	
No.	Cap. Mfd.	Your Cost
K4011	0005	
K4012	.001	
K4013	.002	
K4014	.003	
K4015	.004	27°
K4060	.005	
K4016	.006	
K4017	007	
K4018	.008	
K4062	.01	the second second
K4063	.015	27c
K4064	02	
K4065	08	27 c
K 4066	.04.	29c
K4067	05.	22-
Тур		
No.		Your Cost
K4021	0025	44c
K4022	005	
K4023	0075	50c
K4024	.01	53c
K4026	.015.	53c
M 4027	02	590

03

05

62c

Low Voltage Units



For motion picture sound equipment, "A" battery power supplies, etc. In round aluminum cans with lug terminals on molded bakelite covers. External cardboard sleeve

provid	led.			
No.	Mfd.	Volts	Size	Each
K2560	1000	12	13/8×31/4"	\$1.76
K2561	1500	12	13/8×41/8"	2.12
K2562	2000	12	13/8×41/8"	2.29
K2563	1000	18	13 gx3 4"	2.12
K2564	2000	18	13/8×41/8"	2.82
K2565	2000	25	134x438"	4.23
K2566	1000	35	1%x4 %"	2.82
4450	VDII	D. C	lace IIm	ite

Bv-Pass Units

Dykano	"A"
oil fil	led.
Drawn:	metal
cans 600	volts
d.c. wor	king.
Low p	ower
factor.	
No.	Tv

Dy oi Dr

fac

K3011 K3012

K3013 K3014

K3015 K3007



1.0

1.59

General Electric Industrial Capacitors

No.

K3768 K3769

K3770 K3770 K3753 K3754 K3755 K3756

K 3757 K3758

K 3759

K3760 K3654

K3651

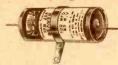
K3652

We can supply as	w C.D indus.
trial or transmitt	
not shown here.	Prices on re-
quest.	

Pyranol filled high voltage capacitors in hermetically sealed metal containers with pre-mounted rigid base brackets. Porcelain insulators.

DYR-6200 DYR-6011

"FA" High Capacity "BRH" High Capacity Low Voltage Units



Etched foil electrolytic capacitors that are widely employed in portable radio power rectifying circuits, electric fence devices, etc. In drawn aluminum cans with cardboard sleeves. Center mounting strap.

No.	Mfd.	Volts	Size	Each
K2567	100	6	5/8×11/16"	\$0.53
K2568	500	6	5/gx21/2"	.88
K2569	1000	6	38x2"	1.23
K2573	1500	6	39x21/2"	1.59
K2574	2000	6	1x21 2"	1.94
K2575	100	12	%x136"	. 59
K2577	500	12	%x212"	1.06
K2578	100	15	5/8×17/6"	.62
K2579	100	25	5/8×2"	.65
K2553	500	25	1x21/2"	1.59
K2554	100	50	3/4×2"	.71

"TLA" DYKANOL "A"

Filter Capacitors

In Sealed aluminum containers 4½x1½" (2 mfd. 600 v. and 1 mfd. 1000 v. are 2½" high). Mount in any position. Dykanol dielectric.

Mfd. W.V.

600

600 600

1000 1000

1000 1500 1500

1500

2000 2000 2000

3000

3000

No.	Cap. Mfd.	Wkg. V.	Each
K4195	2	600	\$1.94
K4196	4	600	2.65
K4197	1	1000	1.76
K4198	2	1000	2.35
K4199	1	1500	2.35

\$2.47

2.65

3 18

4.41

6.35 8.53

10.58

15.58

minum containers, with 2 insulated terminals

and universal m'tg bracket. May be mounted in any position.
No. Mfd. Wkg.V
K2962 2 600 21/8x2 \$2.35 23/4x2 3.17 K2963 K2964 600 1000 178x2 214x2 376x2 216x2 376x2 376x2 476x2 476x2 476x3 314x3 514x3 1.94 K2965 K2966 2412 1000 1000 2.65 3.35 K2967 K2968 K2969 K2970 1500 1500 2.47 3.35 3.35 3.18 3.53 4.94 6.35 7.64 1 2 2000 2000 K2971 K2972 2000

"TO" DYKANOL "A" **Oil-Filled Condensers**

Designed to stand up under conditions of severe transient volt-ages and line surges and

continuous duty opera-tion. In cylindrical alu-

K2973 3000 "TJU" DYKANOL "A" **Oil-Filled Capacitors**

New universal mounting bracket makes these conmakes these con-densers a better by than ever. DYKANOL filled and impregnated. Porcelain high tension terminals. Shpg. wt. 1 lb. Mfd

No. K2994



Ht. 21/8" 27/8" 31/4" 21/8" 45/8" 45/8" 45/8" 45/8" K2995 K2996 600 ¥ 2957 K 2997 600 1000 K2998 K3004 1000 4.41 6.35 7.06 K2958 K2959 1000 1000 10 K2999 K3000 1500 3 18 1500 416" 45% 434" 314" 334" 416" K3005 K2960 K3001 5 88 1500 8.82 3.88 1500 2000 K3003 2000 4 59 K 3021 6.35 2000 K3019 3000 3000 K3020 K3022* 5000 22.64

Mounting soldered of can

SANGAMO X'mitting Micas

For low and high power transmitters, power suplit

e house	electric. Co sings with t d. Size: 1%	mpletely apped 6/	employ the f cased in mol 32 screw ter thick and	ded bake minals of 15% wid	
aries s	lightly with	capacita	nce).	Type A-	2
	1000 Volt	s Test	2500 Volt		5000 Vo
fd.	No.	Each	No.	Each	No.
0005	K3051	41c	K3771	47c	K3085

Test
Each
59c
590
65c
680
82c
97c
\$1.47
2.15
2.26
2.68

SANGAMO ECONOMY MICAS



HAM SPECIAL!

Filter Capacitors

Special bar-gain offer of these high voltage filter capacitors. Oil impregnated, paper dielectric. In heavy metal containers with mounting

flanges. Per-fectly sealed

fectly sealed.
Lug terminals mounted on porcelain insulators. Quantity limited.
1000 Working Volts D.C.
No. Mfd. H. W. D. Each K2735 1 2½x1½x1½" 51.19
K2716 4 4½x2½x2½" 1.99
1500 Working Volts D.C.
K2737 1 3½x2x2" \$1.59
2000 Working Volts D.C.
K2739 1 4½x2x2" \$1.89
3000 Working Volts D.C.
K2717 1 4½x2x2" \$1.89

Special Value!

2 Mfd. 1000 Volt D.C. Wkg.

Identical to the above, but offered at a price far below the regular resale. Only a limited quantity 4x1½x1½".
K983—Each \$1.15

LL PURPOSE INSULATO

JOHNSON Stand-Off Insulators | JOHNSON Thru-Panel Insulators



All purpose stand-offs made of white glazed por-celain. All furnished with nickel-plated hard-

Stock No.	Type No.	Fig.	Body Ht.	Hard- ware	Your
K16747 K16746 K16748 K16745 K16744	24 22 22J 20 20J	A B A B	1" 1" 1%" 1%"	6/32 8/32 Jack 10/32 Jack	5c 6c 8c 8c 11c
K17024 K17025 K17026	65 66 67	D C C	1 %" 2 %" 4 ½"	10/32 14-20 14-20	15c 24c 36c

JOHNSON Spring Clip



Cost

\$0.59

1.18

K16749 Each



Made of white glazed porcelain; non-hygroscopic. Fea-ture great mechanical strength and increased breakdown voltand increased reaction with age. Flat mounting surfaces with cushion washers eliminates breakage. All have longest possible leakage path. Jack types have terminals per-

mitting connection above as well as below the panel. Nickel plated brass hardware furnished. Ideal for use as terminals on high frequency, high voltage and low frequency devices. Jack tops take standard banan pluss.

Stock No.	Type No.	Top Ht.	Bot. Ht.	Panel Hole	Hard- ware	Your Cost
K16736 K16737		11/4"	15"	14."	10/32 Jack	
K16738 K16739	42	7/6" 7/6"	16.	1/4"	10/32 Jack	14c 17c
K16740 K16741	44	5/8"	5/16"	4	6/32	11c
K16742	45 45J	1 1/8"	11/6"	18"	Jack	24c 27c

For inductor coils of all kinds.
We can supply any Johnson products not gauge. Lock screw adjustment.

We can supply any Johnson products not listed here, at standard discounts from the list price. Just send in your order, or write for information.

JOHNSON Lead-In Bushings



For antenna lead-in

For antenna lead-in bushings, panel bushings, and other applications where applications where insulated mounting is required. Feature long leakage paths. Type A made of white glazed porcelain, type B made of Alsimag 196; provided with all necessary hardware. Suitable for high frequency work. Cushion washers furnished ion washers furnished

Stock	Туре		Dir	nensio	ns '	Your
No.	No.	Fig.	Ht.	Dia.	Lth.	Cost
K17023*	55	B	1/4"	3/4"	114"	15c
K17020	50	A	1/6"	8/4 "	2"	12c
K17021	51	A	182."	114"	21/8"	21c
K17022	52	A	112"	134"	414"	29c
*—Made	of Alsi	mag 1	96.	174	474	230

JOHNSON Feeder Spreaders

	White
STORY THE RESERVE	
	porcelain.
Cross section of all sizes is %x !	5.
K17027-2" Long. Each	9c
K17028-4" Long. Each	12c
K17029 -6" Long. Each	
A1/UZ3 — Long. Each	150

AMPHENOL "912-B"



Sheets Strong, clear flexible material

(Polystyrene) for high frefor high frequency, RF or high-voltage work. Does not deterio-

rate with age and will not discolor.

Absorbs little moisture; water content only. .8%. Can be cut, drilled, machined, etc. Can be shaped when heated Your

Stock K 8072

Overall Dimensions 6x8x1/4" 6x8x1/8" 6x8x1/4

PLEXIGLASS Strips

A special kit of assorted pieces of clear Plexiglass. Approximately 12 sq. ins. of 1/2" and about 18 sq. ins. of 1/4" Plexiglass. No two kits alike. Ideal for making insulators, novel-.50°

K17049-Your Cost

Glazed Porcelain Wall Insulator



For supporting wiring or apparatus. Glazed, ridged porcelain; 21/4" high. Plated nut and screw. 110

K16735-Each 10 For

Strain Insulator



Large Stand-off Insulator

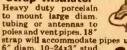




Heat Radiating Grid and Plate Caps Use at terminals of x'mitting tubes. Protects glass.

K14377—For HK-24 K14378—For 85-T, HK-54 K14381—For 100-T, 807 K14388—For 866, T-125

Strap Insulator



strap will accommodate pipes up to 6" diam. 10-24x3" stud. K17106—Your Cost Each 25°

PYREX Insulators

Used by the U. S. Army, Navy and commercial services. Finest glass commercial sections under the commercial section insulators made. In Type In.

insulators made. Long life.

No. Type In. Rating

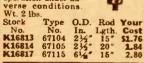
K16805 67007 3% Med.

K16806 67017 7½ ½ Kw.

K16807 67021 12½ 1½ Kw. \$0.20 2.40

PYREX Double Lead-Ins

Have high dielectic strength and low loss. Flanges are wide and flat. Sup-plied with two rub-ber gaskets for watertight seal, four ram nuts, two metal jam nuts, two metal washers and two rubber washers. Will provide for better operation under ad-



-Your Cost

67076 (right) wit



Pyrex Stand-Offs | Non-hygroscopic. Oval base 3½x1½°; dia. of glass 1½°. Flashover value 22.5 and 58 kv. respectively (when dry). Shpg. wt. 2 lbs. 3" high. No. 67106.

K16808—Each...\$1.80 7" high. No. 67107. K16809—Each...\$2.00

PYREX Airplane Insulators

High dielectric strength and low pow-er loss. 3½" O.D.; length 4". With brass fittings as illustrated. No. 67080. K16810



\$2.80

PYREX "Navy" Bowls



PYREX Assembled Navy Type Insulators

Both types have flanges 8½" in dia. with six ½" studs equidistantly spaced on 7½" bolt circle and are approximately 6" high from bottom of lower flange to top of center pin. 11½" center pin is ½" dia. with 16 threads per inch. Clear Pyrex bowls.

No. 67071 (left) has studs 1½" long and in bottom flange three countersunk 1½" holes on 7½" circle.

Clear, Navy type bowls having high dielectric strength and low loss. Over-all height 4 % " Have hole for center

1.84 K16815—No. 67009. Base 61%" 80c ea 2.80 K16816—No. 67037. Base 61%"

BIRNBACH Stand-Offs

Made of white, brilliantly glazed porcelain, for max-imum insulation. Ideal for mount-ing condensers, coils, tube sockets and other high fre-

quency apparatus. Complete with

No.	Ht.	B. Di	a. Thread	Each
K17001	5/8			7c
K17002	1"	11/6	″ 8 –32	90
K17003	11/2		" 10-32	11c
K17004	2%			18c
K16998	1"	11/4		12c
K16999	11/2	1/8	" Jack*	14c
Standa	ra b	anana	jacks; o	n top.

Steatite Buttons



Simplifies wiring. Use as binding post, binding post insulator or as standoff insulator. Special screw locks both sections. %" dia 6/32 K16711-Each 15c

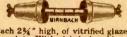
MILLEN Stand-Offs



Made of Quartz Q, a highly polymerized styrene having remarkably low R.F. losses and high resistance to voltage breakdown. Have fitted metal tops. Ideal for low-lose forms.

	low	-loss forms	
No.	Type	Dia., Lth.	Each
K8008	30001	36x1%"	150
K8009	30002	1/2×2 1/8"	210
K 8010	30003	1/4 x2 1/4"	550
K8011	30004	34×436"	650

BIRNBACH X'mitter Lead-in Insulators



Each 23/4" high, of vitrified glazed porcelain. With nickel-plated brass hardware. Also have lead and cork washers to make watertight seals.

K17040	15"	Porcelain	\$1.12
K17039	10"	Porcelain	88c
K17038	15"	Metal	76c
K17037	10"	Metal	68c
No.	Rod	Bushing	Lach

BIRNBACH Hi-Voltage Feed-Through



Has high dielectric and mechanical strength. Extra long leakage path Bottom sleeve tapped. Height 1%"; base dia. 2"; mtg. hole 1%". 2"; mtg. hole Hardware ¼-20. K16712-Each

MILLEN Safety Terminal



Insulated bushing extends thru chassis. All metal parts en-cased in bakelite.

Your Cost

40°

MILLEN 807 Tube Clamp

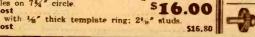


Holds tube to chassis in portable mobile rigs, etc.
K7998



MILLEN Feed-Through Bushing Small isolantite unit; lead shoulder K7999-5 For

25°



erfect Merchandise-Prompt Shipment-Personal Service



Transmitter & Receiver Components



Double-Spaced X'mitting Midgets



Hard drawn brass plates and rods elec-tro-soldered and heavily cadmium plated. Alsimag 196 insula-

tion. Double spring rotor contacts. Wide plate spacing. Double bearings on single and 2 gang units.

No.	Mmfd.	Gap	Plates	Each
K10827	5-15	.060"	1 5	\$1.21
K10828	7-35	.060"	11	1.41
K10829	8-50	.060"	15	1.50
K10830	10-75	.060"	23	1.85
K10831	13-100	.060"	31	2.06

2-Gang Double-Spaced X'mitting Midgets

Heavy ceramic base permits mounting these double-spaced con-

K10832 6-20° .060" 6° 2.29 K10833 7-35° .060" 11° 2.44	dense	als dile	cuy u) cue	CHASSIS	,
	K1083 K1083	32 6- 33 7-	20° .0 35° .0	60"		

*--Per section.

Single-Spaced Midget **Receiving Condensers**

Semi-circular plate type. Have single bearing (except 2-gang which is built on ceramic base and has two bearings) and spacing suitable for receivers and low power trans-mitters and transceivers.

Stock No.	Cap. Mmfds.	Air Gap	No. Plates	Your Cost
K10835	4-15	.024"	3	65c
K10836	5-35	.024 "	5	71c
K10837	6-50	.024"	7	76c
K10838	7-100	.024"	14	94c
K10839	7-140	.024"	19	\$1.03
K10834	7-100*	.024"	14*	2.44

-2-Gang ratings per section.

Tiny-Mite Condensers

Designed for u.h.f. circuits. Extremely compact. Have rigid construction, close fitting bear-ings, excellent



ings, excellent Alsimag 196 insulation. Soldered brass plates are bright cadmium plated. 3-way mounting. Shaft arrangement on single units permits ganging. Panel space required 1½x1½". These are excellent units for all types of SW equipment.

No.	Mmfd.	Plates	Each
K9539	3-15	5	\$0.76
K9540	4-25	9	.88
K9541	5-35	13	.94
K9542	6-50	19	1.00
K9543	9-100	87	1.23
K9545*	4-10	7	.82
K9546*	5-15	11	1.00
K9547*	5.5-25	17	1.09
K9548*	6-35	21	1.23

*-Double spaced units.

2-Gang Condensers

Capacities are per section.

K9512	3-15	5	\$1.71
K9513	4-25	9	1.85
K9514	6-50	19	2.00
K9515	9-100	37	2.26
K9516*	4-10	7	1.62
K9517*	5-15	11	1.76
K9518*	5.5-25	17	1.91
K9519*	6-35	21	2.06

*-Double Spaced.

Slot				
" high, 1	13/8"	long,	3/4"	wide.
or cond	lense	rs, et	C.	Le
(14906.				U

BUD Jr. X'mitting Condensers

Excellently suited for low and medium power transmitters,

power transmitters, etc. Each require panel space of 3x21/6". Rigid and perfectly spaced. Alsimag stator insulation. Brass rotor and stator plates, cadmium plated. Panel m'tg., plus brackets for chassis

Stock	Max.	Air	Rear	Your
No.	Mmfd.	Gap	L'th.	Cost
K10621	50	.051"	21/2"	\$2.15
K10622	100	.051"	27/8"	2.32
K10623	145	.051"	35/16"	2.73
K10624	250	.051"	45/6"	3.38
K10625	25	.078"	27/10"	2.11
K10626	55	.078"	3"	2.47
K10627	110	.078"	416"	3.00
K10628	20	.144"	3"	2.32
K10629	55	.144"	45/8"	3.00
K10630	105	.144"	71/4"	4.00
K10631	18	.175"	38/4"	2,59
K10632	55	.175"	59/4"	3.85
K10633	100	175"	914"	5.11
_				

BUD TINY-MITE Air Padder Condensers



Ideal for circuits re quiring a constant capacity under all conditions, such as oscillator padding circuits, I.F. transformers, fixed-tuned circuits etc. Fit standard 1½" dia forms. Adjusted by screwdriver or hex wrench.

Stock	Mmf. I	. Behind	Your
No.	Range	Panel	Cost
K10088	8-15	7/8"	76c
K10089	4-25	11/16"	76c
K10090	6-50	13/8"	\$8c \$1.12
K10091	9-100	11/8"	\$1.12

50-Watt Plug-In Coils

Air-wound plug-in os-cillator and buffer coils. Fit 5-pr. socket. End link coils not tap-ped, others center-tapped. Ceramic base.



Center	End	Vari.			Your
Link	Link	Link	Band	Mfd	Cost
K10634	K10640	K10602	160M	90*	\$1.03
	K10641			75	.97
K10636	K10642	K10604	40M	50	.97
K10637	K10643	K10605	20M	33	.97
K10638	K10644	K10606	10M	28‡	.97
K10639	K10645		5M	48	.79

* 95 mmfd. for variable link coil. ‡ 21 mmfd. for variable link coil.



6L6 Neutralizing Condenser

Range 1 to 9 mmfd For tubes like 6L6, 6V6, 807, RK49, RK39, etc. Shpg. wt. 1 lb.





ohma



UHF R.F. Choke 5.7 microhenries at 750 ma. DC resistance 1.4

K10108 Each



Coil Dope Kit

Has a polystyrene base and its power factor loss is negligible even if used for high frequency work. Will render articles moisture proof. May also be used for cementing parts made of polystyrene. Kit contains 2 oz.

polystyrene. Kit contains 2 oz. bottle of coil dope, 1 oz. bottle of special thinner and two brushes. Shpg. wt. 1 lb. K15313—Your Cost

AMPHENOL "Liquid-912"

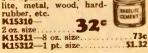
"Liquid 512"
Polystyrene base. A synthetic resin that is nonhygroscopic and has no loss factor. Ideal for high frequency coils.

K15362—2 oz. bottle......
K15363—4 oz. bottle.....

"916-8" Thinner for "912" With brush. K15364—2 oz. bottle.

All-Purpose Cement

For speaker cones, bake-ite, metal, wood, hardlite, metal, rubber, etc. K15310—



Liquid Victron Famous Victron H.F. insulation in liquid form. For r.f. coils, etc. 35c K15208 — 8 oz. size ... 89c K15275 — 1 pint size ... \$1.62

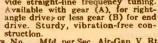
Millen Coil Dope

2 oz. can of "Quartz Q"; for coils, RF chokes, etc. Finest of its type. K8023 our Cost ...



MILLEN Dual Variables

Dual variable condensers for modern ransmitters and receivers. Isolantite insulation. Semi-circular plates provide straight-line frequency tuning. Available with gear (A), for right-angle drive; or less gear (B) for end drive. Sturdy, vibration-free construction.



Stock No.	Mfrs. No.	Mfd. per Sec.	Air-Gap	V. Rtg.	Length	Each
K8025 (A)	11035	35	.077	3000	31/9"	\$6.90
K8026 (A)	11050	50	.077	3000	51/2"	7.14
K8027 (A)	11070	70	.077	3000	51/2"	7.80
K8028 (B)	13035	35	.077	3000	31/2"	4.56
K8029 (B)	13050	50	.077	3000	51/2"	5.22
K8030 (B)	13070	70	.077	3000	51/2"	5.88
K8031 (B)	14200	200	.077	3000	612"	7.80
K8032 (B)	14100	100	.171	6000	111/3"	12,00
K8033 (B)	14050	50	.171	6000	634"	7.20

MILLEN Worm Drive



Right-angle worm drive assembly for variable con-densers, etc. May be panel or base mounted. Ratio 16 to 1. Frame of cast aluminum. Em-

ploys spring-loaded split gears which eliminate back lash. Drive shaft ¼" diam.; geared-shaft ¼" dia., couples to condenser by means of flexible coupling (not sup-plied). Excellent for transmitters and receivers. Shor, xt 2.18 and receivers. Shpg. wt. 2 lbs. K8000—Type 10,000 \$4.50 Your Cost Each....



MILLEN "Hetrofil" Audio **Wave Trap**

Unlike an RF trap, this one distinguishes between audible frequencies making it possible to eliminate an interfering signal or beat note if it is just different in tone. Wt. 2 lbs.

MILLEN **Hash Filters**

To eliminate interference caused by mercury vapor rectifier tubes. Type "A" is for 82 or 83 tubes. "B" is for 866s. Connect in each plate lead, close to tube. K8060—"A". Your S¶

\$1.00

K8061—"B". Your Cost, per Pair \$1.25

MILLEN Neutralizers

11

III A



Type A is a Quartz Q dielectric neutralizing condenser. Type B is a novel telescoping cylinder type with air dielec-tric for use where high ambient temperatures preclude

use of	Type A.			
Stock	Mfr's.	Cap.	Volt-	Your
No.	Type	Mmfd.	age	Cost
K8034	(A) 15001	.7-4.3	6000	\$0.90
K8035	(A) 15002	.5-13.5	6000	1.05
K7997	(A)15003	1.5-8.5	6000	.90
K8036	(B) 15005	3.4-14.6	4000	2.00
K8037	(B) 15006	2.8-9.1	6000	3.00

TRUTEST **Transmitting Chokes**



Tapered 6 section winding on a ce-ramic dowel. Distrib-uted ca-

pacitance 1 mmfd. D.C. resistance is 5 ohms for the first, 12.5 ohms for the sec-ond and 34.9 ohms for the last.

No.	Milli- henrys	Ma.	Cost
K10234 K10235	2.8	1000 500	\$1.35 1.22
K10229	5.9	200	.97

OHMITE R. F. Chokes



Solenoid chokes designed to avoid fundamental or harmonic resona-tions. All 1000 ma. No brackets on

Stock No.	Band Meters	Mic. Hys.	Dimens. L. Dia.	Your Cost
K10083	21/2	2.0	11/4×1/4"	15e
K10079	5	5 .5	13/41/4"	15c
K10080	10 & 20	30	3x /4"	47c
K10081	20 & 40	90	6x %	71c
K10082	20 to 160	200	6½x¾"	97c

Millen RF Choke

Brass tap insert molded in die cast end, with Steatite standoff at other end. 2.5 mh.; 50 ohms D.C. resistance, 125 ma. capacity.

Your Cost Each 36c



NOTE

We can supply any Bud or Millen product made. If the item you want is not listed please write for quotation giving description and manufacturer's number.

TRANSMITTING KEYS and ACCESSORIES

SIGNAL Practice Key Model R-50

Cast base black ripple finish Parts are silver contacts.

Easily adjustable Shpg. wt. 1 lb. K14009— Your Cost \$1.03

SIGNAL Key With Switch

A telegraph key with a switch to the

contacts Polished lacquered brass Shpg. wt. 1 lb. \$2.00

SIGNAL Model R-68 **Code Practice Set**



Key and high frequency buzzer or a polished hardwood base. Hook battery to terminals (1½ volt cell required, not supplied) and it is ready to operate. Metal code plate reduction operate. Metal code plate on base. Wt. 2 lbs. \$2.35 K14001—Your Cost. Type R-60 BUZZER ONLY: Fully adjustable. Has standard Fully adjustable. Has standard resistance of 2 ohms. Black crystal lacquer finish. K14006—Your Cost

SPEED-X KEYS and ACCESSORIES Model 301 Key

Model 321 Senior Key



key 14"P vilv contacts. Navy type knob. Die cast heavily plated base and key arm. Adjustable steel bearings; concealed brass connector strip. Shpg. wt. 2 lbs. \$2.35

Model 300 Practice Key



Has two ments Base o molded " coin silver contacts.

Machined parts in bright finish. Wt. 11b. K14041—Your Cost. Mod. 305. As above, with metal bas K14053—Your Cost. \$1.0

\$1.03

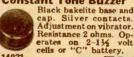
Model 310 Manual Key Heavy die-cast metal base finished

base linished in black wrinkle enamel. Smooth adjustable bearings. ½" pure silver contacts. Low cost key for light duty work. Shpg. wt. 1 lb.

K14051—Your Cost.

Like above, but with switch. K14052 \$1.76 Your Cost

Constant Tone Buzzer



Ceils or Coat

Your Cost

K19840—1½ V. ceils. Ea.

K20181—"C" Batt. Ea.

General purpose key with molded black bakelite base. Well insu-bearings. 1/8"

Adjustable bearings. silver contacts. K14040— Your Cost

\$1.26 As above, with switch K14044—Your Cost \$1.47

Model 515 Hi-Speed Key



Sturdy, heavy duty high speed key for communications work. Has two sets of ½" silver contacts. Metal parts heavily plated; base has black wrinkle finish, is 3x6½x ½". High quality construction. ". High quality construction. Less switch, cord and plug. Shpg wt. 4 lbs. K14033—Each. \$5.44

Cord and plug for above. K14054-Your Cost....

Code Practice Set



Model 450 Comprises a constant frequency ad-justable buzzer and a standard

hand key with 1/2" silver contacts, mounted on a brown bakelite base 6x4". Metal parts plated. Code card included. Uses 2—11/2 volt card included. Uses 2—1½ volt cells (not included). K14027—Single Set. \$1.62

K19840-11/2 V. cell. Ea. . . 41/6c

"Original" Vibroplex



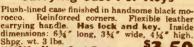
For all types of communications work where speed and perfect Morse are essential. Single lever. Two pairs of contact points; one for dots other for dashes. Easy to adjust. Has unlimited sending possibilities. Polisbed parts with blackbase. Supplied complete with cord and wedge. Shpg. wt. 5 lbs. K14057 Your Cost

"Champion" Vibroplex



An inexpensive transmitter having exceptional sending qualities; clarity, speed and ease of operation. Single lever with two pairs of contact points (one for dots, one for dashes). Easy to adjust. Black crystal finish metal base. All parts above base in bright finish. With d complete with shore base in bright finish. With Shpg. wt. 5 lbs. cord and wedge. Shpg. wt. 4 lbs. K14058—Your Cost. \$9.95 \$9.95

Carrying Case For Keys



G.L. Automatic Tape Senders



Model J. Compact, easy to op-erate and highly accurate. Blank tape is spaced and

spaced and punched, then run through the sender at speeds from 10 to 60 words per minute. For 110-120 volts ac. With cord and plus. 5x5x3". With 5 rolls of practice tape and 5 blank rolls. Shipped Postpaid in U.S.A..

K14022— \$12.50 Each K14023—1000-Ft. Roll Tape, \$1.00



Model S. Deluxe com-pact auto-matic tape sender. Has silent 110 volt

silent 110 volt
a.c. motor
providing
providing
per minute. Only 3 controls: motor
switch, contact switch and speed
control. Terminals for osc. or buzger. With 10 rolls double perforated
tape (20 practice lessons). 5½x4½x
%. Shipped Postpaid in U.S.A.
K14060 \$17.50

Bakelite Key Knobs

Brilliant black bakelite Navy knob (illustrated)

with disc.

K14037—Each 18c

K14037—Each 18c

Wised on most speed keys.

K14038—Your Cost.....18c

McELROY'S KEYS and ACCESSORIES Model BB300 DeLuxe Streamkey



tear drop'
parts,
heavy
plating.
Finely
Bronze bear-

balanced key lever. Shipping weight 2 lbs. silver contacts.

\$3.45

Professional Mod. BB200
Like above, but with black base; lacquered parts. "contacts. Shipping weight 2 lbs. K14092—Your Cost."

2.25

MAC Oscillatone



In stream-lined plastic case. Operates on A.C. or D.C. Has built-in speaker. Toggle switches give choice of low or high vol-

ume and 600 or 1000 cycle note. Head-phones may be connected in series with key and keying terminals on back plate; transmitter relay may be similarly connected. Less 117N7GT. Wt. 4 lbs. \$6.50 K14046—Each....

Mac Speed Key



Model CP-500: Semi-automatic. Bakelite bushings, paddle and knob. ½" platinoid contacts. Massive cast-iron base 3½x6½x¾". Chrome finish. Shpg. wt. 5 lbs. \$11.85 K14087-Your Cost ..

Code Master Outfit



2-tube oscillator with switch, pitch and volume con-trol, jack for key and tip plugs that take up to 20

take up to 20 headphones or 5 magnetic speakers. In walnut case 5½x1½x3½x3½deep. Operates on 110 v. a.c. or d.e. With tubes. Less speaker and Wt. 3 lbs. -Each... \$4.95 -As above, Less cabi

DeLuxe Code Master





of circuit when phones are plugged in. Operates up to 20 pairs of phones. Works on a.c. or d.c. (110 v.). Variable pitch control. 51/8x71/8x41/8". With tubes. Less phones. Shpg. wt. 4 lbs.

K14066-Your Cost

LINGUAPHONE Code Lesson Records



code this easy way at your o w n ience. Slow Slow down or speed

up your phono as you progress. Will operate on any phono or record player. Text book and 5 double-faced 10" discs (in album) teach you to send and copy Continental (International) Code. Shpg. wt. 6 lbs. K21895—Your Cost. \$8.82

Two-Way Code Set



A switch on each set permits radio code (buzzer), blinker (bulb) or telegraph signals. Metal code plate on each set. Adjustable key with standard knob. Each set takes two large flashlight cells. Supplied with bulbs, 50 ft. of double wire and instructions. Less cells. Shpg. wt. 5 lbs.

5 lbs.
K14000—Your Cost.
One-Way Code Set
Same as above but only one unit.
Less cells.
K14008—Your Cost.
Flashlight cells for above.
K19840—Each.

erfect Merchandise - Prompt Shipment - Personal Service

RANSMITTING CRYSTALS & RELAYS

Type SMC-100



Provides a simple means for checking the calibration of receivers oscillators and ham monitors. Oscillates at

100 kc. (with allowance for room temperature compensation), and 1000 kc. (.05%) by switching proper tank coil in circuit. Instructions

included. K13523—Your Cost. \$7.75

Mounted "I.F." Crystals Mounted crystals for use in 1st i.f. stage of short wave receivers. No spurious responses within 7 kc fundamental. Complete wirestite holder. Each Steatite holder. K13516-456 k \$5.50 K13516—456 kc.) K13517—465 kc.)



Type SOC-100 Precision 100 kc. unit for frequency standards. Bar type crystal. Maximum temperature coefficient 3 cycles per megacycle per degree Centigrade. Incorporates tank coil. Bakelite base, alu-

minum shield.

K13559—100 kc.
(calibrated at room \$15.50

K13560—100 kc. (calibrated at k13560—100 kc. (calibrated at specified oven tem **\$21.00** K13098—20-40 meter. specified oven tem **\$21.00** K13099—80-160 meter. your Cost Each

BLILEY Mounted Crystals

BC3 Crystal Unit



Economically priced crystal units for 40, 80, and 160 meter ham bands. Powham bands. Pow-erful oscillator. Freq. drift only 23 cy cles/M c/°C. One-piece Bakelite holder fits stand-

One-piece Bakeitheholder his standard 5-prong socket. Specify frequency desired and tolerance for 40 or 80 meters.

Within 5 kc. of specified frequency; 40 or 80 meter band. \$3.35 Your Cost. S. Your K13529—Exact integral \$4.95 ed frequency. \$3.35



CM2 Holder

Crystal holder to fit tube socket base. 20-40 meter and 80-160 meter types. Dia. 13% 4" high, excluding pins. Wt. 2 oz. meter

Type B5
A low drift crystal
or 40 meter
band. Accurately
calibrated. Less
than 4 cycles/Mc/
°C. drift. Has un-

usually high ac-tivity. Mounted in a low loss tivity. Mounted in a low loss holder which will fit into any standard 5-prong tube socket or special socket listed on this page.

Stock | Freq. | Freq. | Your No. | in Mc. | Within | Cost

Stock | Freq. in Mc. | K13546 | 7.0-7.3 | K13547 | 7.0-7.3 Cost \$4.80 5.90 5 Kc. Exact



Variable

O manife O

Frequency Merely by twist-ing the control knob you can shift

frequency to avoid QRM. Has drift not exceeding (±)
4 cycles/Mc/°C.
Allows approximately 6 Kc. variation on 80 meters and 12 Kc. on

Stock No. K13493 K13482 K13538	Band 80 M. 80 M. 40 M.	Min. Freq. Within 5 Kc. Exact 15 Kc.	Cost \$6.60 8.50 6.60
K13539	40 M.	5 Kc.	8.50



Mounted, precision crystal for the 20 meter band; offers control for 2½, 5, 10 and 20 meters. Holder fits 5-prong sock-

K13507—14.0-14.4 Mc, drift 20 cycles/Mc./°C., within 15 kc. of

Type LD2

A rugged low-drift crystal for the 80 and 160 meter bands. Fre-quency drift is less than 4 cycles/ Mc/°C. Mounted in Bakelite holder. Specify frequency desired. K13585—Within 5 kc. of specified frequency. \$4.80 Your Cost K13494—Exact integral kc. \$5.90

BLILEY Manual

A complete handbook on quartz crystal frequency control. 35 pages. K20029—Your Cost. 10c

We will gladly quote on any Bliley mount or crystal from 20 kc. to 30 mc. upon request, with details.

ALLIED CONTROL RELAYS



Available for AC, DC and plate circuit type (2500 ohms) can be adjusted to pull in at from 6 to 8 ma. and drop out at 3 to 5 ma. Contact ratings of all models 5 amps. of non-inductive AC load (not to exceed 10 operations per minute at maximum rating; speed can be increased with smaller loads). Contacts of coin silver. Insulated bracket.

S.P.D.T.	Each	Coil	D.P.D.T.	Each
K14105	\$1.57	2500—	K14099	\$2.94
K14106	1.67	6 V. AC		3.14
K14107	1.57	6 V. DC		2.94
K14108	1.67	110 V. AC		3.14

POTTER & BRUMFIELD Automatic Lock—Relay



Employs two coils-one to operate relay and another to release the lock.
When the circuit to the operating coil is closed momentarily the nor-mally closed contacts

mally closed contacts open and the normally open ones are closed with the relay remaining in this position even with the current removed from the coil. In order to return the contact positions to normal, current is applied to the "release" coil which removes the automatic lock and allows the relay to return to its original position. This type of relay is often used in connection with photo-cell units in alarm systems. Size: 31½" long, 2½" high, 1¾" wide. Shpg. wt. 2 lbs. K14142—ELA-6. DPDT contacts. 110 V. 60 cycle AC coils.

Your Cost

Crystal Sockets



Easy to mount below or above chassis surface. Available in Polystyrene or Steatite both providing exceptionally low losses. lug terminals.

Make Insulation Steatite Polystyrene 25c 18c Amphenol

apparatus for all industrial applications. Write for quotations, giving full particulars.

WARD-LEONARD Relays Standard-Antenna

Change-over



Your Cost With Break-in (No. 507-534)

Same as above but with two additional single poles. One normally closed the other normally open. Base: 3\%x2\%". Shpg. wt. 1 lb. K14131 \$6.47

Remote Control Heavy Duty Midget

Single-pole double-throw, single break. 110 V. A.C. operation. Silver to silver self-cleaning contacts. Rating: 20 amps. A.C. normally open, 15 amps. A.C. normally closed. Size: 25%11%. Shpg. wt. 1 lb. Type 507-549. K14124—

Your Cost

Thermal Time-Delay Relay

For rectifier tube protection. Single-pole double-throw, single break. Timing adjustable from 15 to 45 sec. 4 amp. contacts. Dust proof cover. 110/120 V. 50/60 cyc. K14129—411/x44/6" \$8.82 \$8.82 Your Cost



TRUTEST Unmounted 40, 80, 160M Crystals Guaranteed crystals at a price far

lower than they have ever been offered before. 40 and 80 meter crystals are "X" cut and 160 meter are low drift "Z" cut. State desired from

meter are low drift "Z" cut. State desired frequency and we will ship nearest stock crystal or within whatever limits you set. We carry a large stock and can usually supply the one

you want. K13398 K13399 you want.

K13398 40 M. "X" cut \%x\%"

K13399 80 M. "X" cut ix!

K13400 160 M. "Z" cut \%x\%"

Any Type Above, Each

The above listed Trutest Unmounted Crystals can be used with Bliley holders listed at top of

page or in most standard holders

POTTER-BRUMFIELD Relays

Designed for motor starting, up to 1 HP, heater load to 20 amperes, or any control circuit requiring fast positive switching. Full floating contact carrier positively locked in place. Coll operates on only 4 volt-amperes or approximately 3 watts. Will not heat in continuous duty. \$\frac{5}{2}'' \text{ silver contact points rated in double break type at 20 amperes noninductive load at 110V. AC or 10 amps. 110V. DC, or 1 HP 110 or 220V. single phase motor. Single break types carry non-inductive loads of Single break types carry non-inductive loads of 15 amps. 110V. AC, 8 amps. 110V. DC or 220V AC. Size: $2\frac{1}{6}$ " long, $2\frac{3}{6}$ " wide, 2" high.. Shpg. wt. 2 lbs. each.

No.	Туре	Cont	acts	Coll Vits.	Each
K14254	PRA-1	SPST-D	B-NO°	.6V/60c AC	\$2,50
K14255	PRA-I	SPST-D	B-NO*	110/60c AC	2.50
K14256	PRA-2	SPST-D	B-NC*	6V/60c AC	2,50
K14257	PRA-2	SPST-D	B-NC*	110/60c AC	2.50
K14258	PRA-3	SPDT		6V/60c AC	2.75
K14262	PRA-3	SPDT		110/60c AC	2.75
K14263	PRA-4	DPST-N		6V/60c AC	3,60
K14264	PRA-4	DPST-N		110/60c AC	3,60
K14265	PRD-1	SPST-D		6V/DC	2.45
K14266	PRD-1	SPST-D		24V/DC	2.45
K14267	PRD-2	SPST-D	B-NC*	6V/DC	2.45
K14268	PRD-2	SPST-D	B-NC*	24V/DC	2,45
K14269	PRD-3	SPDT		6V/DC	2.70
K14270	PRD-3	SPDT		24 V/DC	2.70
• NO-	normall	v onen.	*NC-	normally close	ret .

"MR" Series



A more compact relay for lighter loads than the one listed above. Will handle 8 amps. AC or 4 amps. DC non-inductive loads. Adjustable spring. No current carried thru pring. Size: 2½" long, 1½" wide, 1½" high. AC coils require approx. 2 watts; DC approx.

No.	Туре	Contacts	Coil Vits.	Each
K14271	MRA-1	SPDT	6V/60c AC	\$1.55
K14272	MRA-1	SPDT	110V/60c	1.5
K14273	MRA-4	DPDT	6V/60c AC	2.20
K14274	MRA-4	DPDT	110V/60c	2.20
K14275	MRD-1	SPDT	6V/DC	1.59
K14276	MRD-1	SPDT	24V/DC	1.59
K14277	MRD-4	DPDT	6V/DC	2.20
K14278	MRD-4	DPDT	24V/DC	2.20

Plate Circuit Type: similar to above but only 1½" high. Handle 6 amps. 110V AC. K14279 MRS291 SPDT 2500-ohm coil \$1.00 K14281 MRS292 SPDT 5000-ohm coil 1.15



RANSMITTING TRANSFORMERS



















THORDARSON

PLATE TRANSFORMERS

All primaries for 115 V. 50/60 cycles a.c. Specified secondary A.C. voltage is at transformer terminals, either side of c.t.; dual Sec. A.C. listings indicate tapped secondary. D.C. voltage out of 2-section filter (choke input) approx. 20% less than A.C. rating. Electrostatic shields between primary and secondary.

Stock No.	Thord.	Sec. A.C.	D.C. Ma.	Mtg. Type	Size, Inches H. W. D.	Wt. Lbs.	Your Cost
K560	T19P54	560	150	3	4%x3%x3%	7	54.23
K 642	*T19P55	660 550	250	3	478x374x414	8	4.59
K643	T19P56	900	225	3	,41/8x33/4x41/4	10	4.94
K644	†T19P57	1075	125	3	41/4x31/4x41/4	- 11	6.00
K645	T19P59	1560	300	5‡	6 x57/8x75/8	261/2	12.35
K 648	T19P63	1560 1265	500	5‡	6%x6%x85%	38	18.17
K649	T19P67	2450	500	5‡	9%x71/4x6%	51	35.28

*Indicates bias tap at 30 volts.
†-Have insulated bushings.
†-Designed for double rectifiers. Will deliver both ratings simultaneously.

FILAMENT TRANSFORMERS

Primaries (or 115 volts, 50/60 cycles except those marked (*) which have primary taps of 105, 110, 115 volts. All secondaries center tapped unless indicated by (†) which has two taps.

The essential of improved voltage regulation and minimum heat rise have been given prime consideration in the design of these units. Ratings given are for continuous operation at full load.

Stock	Thord.	Win	dings	Insul.	Mtg.	Size-Ins.	Wt.	Your
No.	No.	Volts	Amps.	Volts	Type		Lbs.	Cost
K517	T50F61	2.5	3.5	1600	6	23/8×13/4×23/8	1	\$1.23
K304	T19F88	2.5	5.25	1600	6	27 8x21/8x23/8	i	1.41
K305	T19F89	2.5	10	1600	6	33/8x21/8x3	2	1.59
K306	T19F90	2.5	10	7500	ĭ	25/8×21/4×31/4	2	2.12
K450	T64F33*	2.5	10	7500	8	33/4x31/4x4	5	4.23
K500	T19F82	2.5	15	10000	ĭ	384x276x4	4	3.53
K452	T63F99	5	4	1600	8	27 14X3 X31/8	2	2,29
K501	T19F83	5	5	1600	6	33-8x21-8x3	2	1.59
K515	T19F84	5	8	1600	1 1	2%x21/4=31/4	3	1.94
K519	T19F85	5	13	1600	1	38/x21/6x4	4	2.82
K520	T19F86	5	21	1600		33/4 x 215/6 x 4	5	3.88
K 467	T74F23	5	13	1600	8	334x314x4	5	3.53
K468	T74F24	5	21	1600	8	37/8×35/8×49/6	6	6.00
K307	T19F91	5.25	4	1600	1	25/6x21/4x31/4	2	1.76
K309	T19F92	5.25	13	1600	i	33/4×21/2×4	4	2.47
K549	T19F80	6.3	1	1600	6	21/4x15/4x2		.94
K550	T19F81	6.3	2	1600	6	27/8×13/4×23/8	1 1	1.06
K311	T19F97	6.3	3	1600	6	21/xx2 x23/8	2	1.23
K303	T61F85†	6.3,	2.5	1600	2	34/8x23/8x21/4	2	1.59
		5,2.5				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
K373	T73F60*	6.3	5	1600	8	21/6x27/6x31/4	4	2.82
K312	T19F98	6.3	6	1600	ĭ	25/ax23/ax31/	3	1.94
K313	T19F99	6.3	10	1600	i	334 x21/2x4	4	2.47
K314	T19F93	7.5	4	1600	i	258x214x314	2	1.76
K315	T19F94	7.5	8	1600	1 1	3 x27/8x33/4	4	2.12
K374	T92F20	7.5	8	1600	8	3%x33%x4	5	3.70
K533	T19F95	10	4	1600	1	2% x2 1/4 x3 1/4	3	1.94
K 499	T19F96	10	8	1600	i	21176x27/8x311/4	4	2.47
K442	T64F14*	10	8	1600	8	3¾x3¾x4	5	3.53
K 497	T19F87	10	12	1600		3%x3%x4	7	4.41
		28-		2000		· · · · · · · · · · · · · · · · · · ·	-	2,41

INF	UT (SV	VINGII	NG) CI	HOKE	S
hord.	Henries	Ma.	Ohms	Insul.	Туре

No.	Thord.	Henries	Ma.	Ohms	Insul.	Type	Each
K551 K634 K635 K637	T19C39 T19C35 T19C36 T19C38	5-20 5-20 5-20 5-20 5-20	150 200 300 500	215 130 105 75	3000 3000 5000 5000	3 8 8 7	\$2,29 2,82 4,94 10,58
100							

SMOOTHING CHOKES

K552	T19C46	12	150	215	3000	3	52,29
K638	T19C42	12	200	130	3000	8	2,82
K639	T19C43	12	300	105	5000	8	4.94
K641	T19C45	12	500	75	5000	7	10.58

UNIVERSAL MODULATION TRANSFORMERS

Ideal for amateurs and experimenters. The tapped coils used in this series designed for wide range applications. Type 1 mounting.

Stock No.	Thord. No.		Pri. Ma. Per Side	Secondary Series	Ma. Par.	Wt.	Your
	T19M13 T19M14	15		50 75	100	2 414	

RELIABLE EQUIPMENT AT REASONABLE

STANCOR

PLATE TRANSFORMERS
All primaries for 115 volts 50/60 cycles.

No.	Type	Sec. A.C.*	M.A.	HxWxD	Mtg.	Lbs.	Each
K1777	P3699			45%x3%x41%"	- 8	10	\$5.53
K1776	P3535	1000-780-550	300	45/8x3/4x51/2"	8	16	8.14
K1783	P6152	1550-1350	300	7 x73/8x63/2"	7	27	14.41
K1788	P5053		300		7	31	15.88
K1789	P6154	2430-2150	300	7 x73/8x7"	7	32	18.23

* Each side center tap. D.C. voltage approximately 20% less.

SWINGING CHOKES

No.	Type	Hys.	Ma.	Ohms	HxWxD	Mtg	Wt.Lbs.	Each				
K1827	C1400	8-40	175	100	31/8x25/8x25/8"	3	3	52.23				
K1766	C1702	8-30	250		31/2×3 ×3"	6	4	2.94				
	C1402				31/2x3 x31/2"		5	3.23				
K1769	C1720	5-25	300	80	41/4x31/4x31/4"	6	9	3.70				
	FILTER CHOKES											

K1830	C1410	20	175	100	31/8x25/8x25/8"	3	3	\$2.12
K1831	C1411	15	200		31/2x3 x31/8"	3	4	2.76
K1832	C1646	20	200	70	31/8x31/4x33/8"	3	5	3.09
K1767	C1703	15	250	60	31/2x3 x31/4"	6	4	2.94
K1833	C1413	12	300	80	45/8x37/8x37/8"	8	9	5.09

FILAMENT TRANSFORMERS

140.	Lype	Sec. V.	Amps.	HXWXD	Mtg.	Lbs.	Each
K1774	P3060	2.5	10	31/2x21/4x21/4"	6	3	\$2.41
K1790		5.0	3	31/8x21/3x21/8"	6	2	1.65
K1779	P5014	6.3	3	31/8x21/2x21/4"	6	2	1.73
K1775	P3064	6.3	6	31/4x21/4x21/4"	6	3	2.06
K1780	P5015	7.5	4	31/8x21/2x21/2"	6	3	1.76
K1782	P6138	7.5	8	31/8x31/4x31/4"	6	4	2,79
K1781	P5016	10.0	4	31/2x3 x27/8"	6	3	2.23
K1791	P4096	10.0	5	31/8x31/4x31/4"	8	5	3.32

All secondaries C.T.-All primaries 115 V. 60 cycles.

DRIVER TRANSFORMERS

Driver tubes listed in order of preference with best listed first.

No.	Type	From	То	Class	Mtg.	Each
K1896	A4208	PP 6C5, 6J5, 6N7, 6L5, 56,	PP 2A3, 2A5, 6A3, 6F6, 6L6,			
K1897	A4702	27, 76 1-2A3, 45, 46, 89, 2A5, 6F6,	6V6, 42, 45 PP 6L6, 6V6, 6F6, 45, PP	AB AB2	3	\$2.53
		42	Par. 6L6	AB1	3	2.44

POLY-PEDANCE DRIVER TRANSFORMERS
Tapped to give usable ratios in Class B Drivers. Cap. of K1616 and
K1617, 15 watts; primary per side, -60 ma. Cap. K1618, 30 watts;
primary 120 ma. per side. All type 1 mtg.; Wt. 4 lbs.

Stock No.	Type No.	Ratio Primary to 1/2 Secondary	Dimen. HxWxD	Each
K1616	A-4761	1.25:1, 1.4:1, 1.6:1, 1.8:1, 2:1, 2.2:1, 2.4:1	31/4×25/4×33/4"	54:79
K1617	A-4762	2.6:1, 3:1, 8.2:1, 8.4:1, 4:1, 4.5:1, 5:1	31/4×25/4×31/4"	4.79
K1618	A-4763	1.25:1, 1.5:1, 1.75:1, 2:1, 2.25:1, 3.2:1	31/4×3 ×4"	5.88

PLATE MODULATION TRANSFORMERS

No.	Туре	Tubes	Sec. Imp.	Audio	Mtg.	Lbs.	Each
K1748	A3845	1-6A6, 6N7, 53, 79,6Y7		Or IV			
K1751	A3808	PP 6L6, 807,	6500, 8000 4000, 5000	25 W.	3	4	\$2.41
W4757	4 0005	PP Par. 6L6	7500, 10000	60 W.	8	8	5.41
K1757	A2907	PP 10, T20, TZ- 20, HY25, 35,	6800, 9000,				
K1758	A2908	PP RK18, T20,		90 W.	8	10	7.03
864750	4.0000	TZ20, HY25, RK31, 35T, 50T		120 W.	8	11	7.41
K1759	A3829	P.P. RK 12, 57, HY25-40Z, T40,					
		809, 100TL		175 W.	8	12	8.00

POLY-PEDANCE MODULATION TRANSFORMERS

Tapped to give wide range of impedances for correctly matching every type load. Impedance chart and instructions with each unit.

Stock	Type	Max.	Pri. Ma.	Sec. Ma.	Dimen.	Type	Each
No.	No.	Audio	Per Side	Ser. Par.	HxWxD	Mtg.	
K1622	A-3892 A-3893 A-3895	60 W	80 125 260	125 250	3 1/8 x 3 1/4 x 4 3/8 " 3 1/8 x 3 1/4 x 4 3/8 " 7 x 6 1/4 x 6 3/4 "	1	\$5.00 5.88 24.40



TRANSFORMERS



Case Dimensions Type Height Width Depth 13/4" 115/16" 21/8" 25/16" 49/16" 51/2" 17/8" 25/16" 21/2" 21 5/16" 35/8" 45/8" G-1 G-2 2³/₈" 2³/₄" 3¹/₈" 3¹/₈" 3³/₄" G-3







Case Dimensions Type Height Width Depth 49/16" 51/2" 55/16" 63/16" 69/16" 59/16" 51/2" 613/16" 611/16" G-7 53/8" G-8 53/8" G-9 61/8" G-10 61/8" G-11 71/8"

Class A Input Transformers

No.	Type	Application	Ratio	Case	Wt.	Each
K5802	S-2	1 plate* to 2 grids	2:1	G-2	2 lbs.	\$2.35
K 5804	S-4	1 plate* to 2 grids, wide range response	1:1	G-3	3	3.23
K5805	S-5	Single or double button mike or line to 1 grid; hum bucking type	16:1	G-2	2	2.65
K5806	S-6	Single or double button mike or line to 1 grid, compact type	16:1	G-1	2	1.91

Will match tubes like 6C5, 56, 6C6 triode, 77 triode, etc. Can be use with high mu triodes with loss in low frequencies.

Univ. Output To Line and Voice Coil

All secondaries designed to match 2, 8 and 15 ohm voice coils and 500 ohm line. Average shpg. wt., each 6 lbs.

No.	Туре	Primary Ohms	Watts	Case	Each
K5814	S-14	2500, 4000, 7000	10	G-2	\$2.79
K5815	S-15	4000, 5000, 10,000	12	G-2	2.94
K5816	S-16	3000, 6000-6600, 10,000	30	G-4	3.82

Universal Output Transformers

Designed to match any modulator tubes to any RF load. Secondary

No.	Type	Watts	Case	Lbs.	Each
K5818	S-18	12	G-3	3	\$3.09
K5819	S-19	30	G-4	4	4.70
K 5820	S-20	55	G-5	5	6.76
K5821	S-21	110	G-7	11	9.41
K 5822	S-22	250	G-9	18	14.70

Matching Transformer

Shipping weight 4 lbs. Your Cost Stock Type Pri. Ohms Case Application K5811 S-11 Single 56, 6C6 triode, 6C5 or similar tube to line... 10,000 500 \$2.65

Universal Driver Transformer

No. Type	Application	Case	Lbs.	Each
K5809 S-9	P.P. Driver plates to grids of Class B tubes up to 400 watts output	G-3	4	\$3.23

Multiple Secondary Filament Windings Primaries tapped 105, 115 volts, 50/60 cycles AC. All secondaries center tapped. Shpg. wt., each, 8 lbs.

Stock Type Fil. No. 1 Fil. No. 2 No. No. Volts Amps. Volts Amps. Fil. No. 3 Volts Amps. Your Cost Case \$3.53 3.82 3.82 S-65 S-68 S-70 G-5 G-5 G-5 K5865 2.5 5 6.3 K5868 6.3 K 5870 6.3

All 3000 volt insulation.

Standard VARITRAN **Voltage Controls**

The VARITRAN is an ideal voltage control unit of the type employing a sliding contact riding over the transformer turns. They provide continuously variable output voltages FROM 0 TO 130 VOLTS without interruption of the circuit. Used extensively to control lights, line voltage, rectifiers, motors, transmitters, etc. Type V-1 (illustrated) is completely shielded and includes cord, plug, and switch. Other units are completely shielded and have screw terminals on an insulated strip. All units shown below for 115 volt input.



No.	Type	Watts	Amps.	Size	Wt.	Price
K5733 K5771 K5716 K5772 K5773 K5774	V-0 V-1 *V1-M V-2 V-3 V-4	230 570 570 570 570 850 1250	2 5 5 7.5	4 x 6 x434" 5 x 814x334" 5 x101x334" 5 x 7 x445" 5 x 7 x516" 6%x 934x6"	10 lbs. 14 lbs. 14 lbs. 13 lbs. 19 lbs. 37 lbs.	\$8.33 11.76 19.60 9.80 14.70 21.56

*Same as V-1, but includes 0-150 volt A.C. meter.

Filter, Swinging and Audio Chokes

No.	Туре	Service	Hy.	Ma.	Ohms	Case	Each
K5823	*S-23	Audio	500	5	6000	G-2	\$2.06
K5827 K5828 K5829	*S-27 *S-28 *S-29	Filter Filter Filter	30 20 10	75 100 175	350 350 95	G-4 G-4 G-4	2.35 2.35 2.35
K5830	*S-30	Swing.	5/25	175	95	G-4	2.35
K5831 K5832 K5833 K5834	†S-31 †S-32 †S-33 †S-34	Filter Swing. Filter Swing.	20 5/25 20 5/25	225 225 300 300	120 120 90 90	G-5 G-5 G-7 G-7	3.09 3.09 4.41 4.41
K5837	‡S-37	Filter	20	550	60	G-9	8.82
* Shpg.	wt. 4 lbs.	† Sh	pg. wt. 6	lbs.	‡ Shpg	. wt. 9 l	bs.

Plate Transformers

Primaries for 115 v., 50/60 cycles a.c. For duplex rectifiers, the high and low voltage output of any of the units listed below can be used simultaneously. The rated d.c. current can be divided as required between both voltage outputs.

No.	Type.	High Voltage	Ma.	Case	Lbs.	Each
K5844 K5845	S-44 S-45	575-525-0-525-575 900- 750-0-75 0-900	500 200	G-9 G-8	22 14	\$9.11 7.06
K5846	S-46	1000-750-0-750-1000	300	G-9	19	8.82
K5847	S-47	1500-1250-1000-0-1000-	300	G-10	30	11.47
K5848	S-48	1500-1250-1000-0-1000-	500	G-11	32	16.46
K5850	S-50	3000-2500-0-2500-3000	300	G-11	50	22,05

Plate and Filament Transformers

All primaries for 115 volts, 50/60 cycles a.c. High volt. 490-400-0-400-490 at 175 ma.; 5 v. at 3 a. (rect.); 2.5 v. ct. at 6 a.; 6.3 v. ct. at 4 a. G-6. Wt. 9 lbs. \$5.38 \$5.88

High volt. 525-425-0-425-525 at 250 ma.; 6 v. at 3 a. (rect.); 6.3 v. c.t at 3 a.; 6.3 v. c.t. at 3 a. G-7. Wt. 12 lbs. \$5.88 \$5.88

High volt. 600-0-600 at 200 ma.; 5 v. at 3 a. (rect.); 7.5 v. tapped at 6.3 v. at 3 a.; 6.3 v. c.t. at 2 a. G-7. Wt. 11 lbs. \$5.29

High volt. 600-525-0-525-600 at 300 ma.; 5 v. at 3 a. (rect.); 7.5 v. tapped at 6.3 v. at 3 a.; 6.3 v. c.t. at 3 a. G-8. Wt. 14 lbs. \$7.06

Single Secondary Filament Transformers

tanned 105 115 volta 50/60 avalor a

No.	Туре	Sec. Volts	Amps	Insul.	Саве	Lbs.	Each
K5853	S-53	2.5 c.t.	10	1500 v.	G-3	3	\$2.06
K5854	S-54	5 c.t.	4	2500 v.	G-3	. 3	2.06
K5855	S-55	6.3 c.t.	3	1500 v.	G-3	3	2.06
K5857	S-57	2.5 c.t.	10	10000 v.	G-5	5	2.94
K5858	S-58	2.5 c.t.	20	10000 v.	G-5	5	3.53
K5859	S-59	5 to 5.25 c.t.	13	5000 v.	G-5	5	2.94
K5861	S-61	7.5 tapped, 6.3 c	.t. 8	3000 v.	G-5	5	2.94
K 5862	S-62	10 c.t.	10	5000 v.	G-5	5	3.53
K5863	S-63	14 v. c.t. tapped					
		12 v. c.t., 11 v. c	.t. 10	5000 v.	G-7	5	6.47

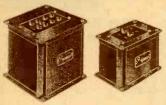
Ultra-Compact Line Matching Trans.

Compact high fidelity units having a frequency range from 30 to 20,000 c.p.s. Only 1x1x1"; threaded inserts for mounting. Match 50, 125, 200, 250, 500 ohm lines. Net wt. 6 oz.; shpg. wt. each 1 lb. K5394—A-10. Line to 1 grid. 50,000 ohms. K5397—A-24. 1 Triode plate 8000/15000 ohms to line.

Either Above Type.....



2435



CASE DIMENSIONS									
Туре	H.	W.	D.						
Type RA	27/8"	2"	2716"						
RB	38 16"	23%"	234"						
RC	27/8" 35 16" 35/8" 37/8" 5"	23/8" 29 16" 3"	31 16"						
RD	378"	3"	11/2"						
RE	5"	376"	5"						
RF	5"	43/2"	5"						
RG	5"	4 1/4" 5 1/8"	5"						
RH	5" 5" 9" 9"	715"	5″ 5″ 7″						
RJ	9"	8%	735"						
RK	9"	8 4	9"						
RL	13"	8%"	10"						

PLATE TRANSFORMERS

No.	Type	Pri. V.	Sec. V.	D.C. Ma.	Mtg.	Wt.	Each
	P-8500	115	510	250	RF	12 1bs.	\$6.44
	P-8501	115	660, 555*	250	RF	13 lbs.	8.58
		105 115	880, 700	250	RG	18 lbs.	8.53
	P-8503		1100, 500	130-150	RG	17 lbs.	8.67
	P-8504	115	1550, 1350	300	RJ ·	30 lbs.	16.61
	P-8505		1550, 1330	500	RJ	41 lbs.	22.34
	P-8507	115	1820, 1520	500	RK	49 lbs.	29.11
	P-8508	115	2150, 1850	300	RJ	36 lbs.	23.52
	P-8509	115	2450	250	RJ	35 lbs.	22.78
	P-8510	115	2430, 2150	300	RK	39 lbs.	24.11
	P-8511	115	2950, 2400	300	RK	50 lbs.	26.90
K1808	P-8514	115-230	3000, 2410	5 0 0	RL	70 lbs.	47.04

* Also has 40 volt bias tap

UNIVERSAL OUTPUT TRANSFORMERS

Stock No.	Type No.	Imp. ii Pri.	n Ohms Sec.	D.C. Ma.	Max. Audio			Your
K1809	A-9070*	1500 to			1	-	1.	
K1810	A-9071*	20,000 1500 to	.02 to 50	80	15W	RC	4	54.12
		20,000	.02 to 50	150	30 W	RD	5	6.17
* Outpu	t tubes S	ingle or F	P.P. plates.					

PLATE TO GRID INTERSTAGE TRANSFORMERS Hum-bucking construction. Numbers marked with * are for single plate to P.P. grids; ** indicates P.P. plates to P.P. grids.

No. Type	Pri. (Imp.) Sec.	Ratio D.C. Ma.	Mtg. Wt.	Each
K1811 A-9500* K1812 A-9501* K1815 A-9502** K1816 A-9508**	10000 90,000 20000 80,000	1:2 10	RB 3 lbs. RB 3 lbs. RB 3 lbs. RB 3 lbs.	3.23 3.23

LINE TO LINE AND V.C. TRANSFORMERS

Stock No.	Туре	Use	Impedance Prim.	in Ohms Sec.	Audio Watts	Type Mtg.	Wt.	Each
	A-9540*		250, 333, 500	50, 125, 200 250, 33, 500	+24	RA		\$3.23
K1819		L-VC	250, 500	4, 8, 15 4, 8, 15	15 30	RC RD	3	3.67 3.97
	A-9543 A-9544	L-VC L-VC		4, 8, 15 4, 8, 15	60 30	RE	10	5.59 3.67

* Hum-Bucking type construction.

DRIVER TRANSFORMERS

Numbers marked with * are for single plate to push-pull grids. Those marked with ** are for push-pull plates to push-pull grids.

No.	Туре	Pri. Imp.	D.C. Ma.	Audio	Mtg.	Wt.	Each
K1822	A-9520*	2000-5000	40	10W	RB	3 lbs.	\$2.94
K1823	A-9521*	2000-5000	50	15W	RC	4 lbs.	3.82
K1824	A-9522*	5000-10000	50	15W	RC	4 lbs.	3.82
K1825	A-9523**	2500-5000	50	15W	RC	4 lbs.	4.12
K1826	A-9524**	5000-10000	50	15W	RD	5 lbs.	4.32
K1835 K1836	A-9525** A-9526**	2500-5000	50	15W	RC	4 lbs.	4.12
WT930	M-2020**	1500-5000	100	30W	RD	5 lbs.	4.35

POLY-PEDANCE DRIVER TRANSFORMERS

No.	Туре	Capac.	Prim. to 1/2 Sec. Ratio	Mtg.	Wt.	Each
K1837	A-9527	15W	1.25:1, 1.5:1, 2:1, 2.5:1,	RD	4 lbs.	\$5.59
K1838	A-9528	30W	3:1, 8.5:1, 4:1 1.25:1, 1.5:1, 2:1, 2.5:1,	RC	5 lbs.	6.17
K1839	A-9529	15W	3:1, 3.5:1, 4:1 1:.75, 1:.85, 1:1, 1:1.25, 1:1.45, 1:1.75, 1:2,	RC	4 lba.	5.00
			1:2.25, 1:2.5, 1:2.5, 1:2.75, 1:3.5			
K1842	A-9580	30W	1:.75, 1:.85, 1:1, 1:1.25, 1:1.45,1:1.75,1:2,1:2¼, 1:2.5, 1:2.75, 1:3.5	RD	5 lbs.	6.47

FILTER CHOKES

No.	Type	Induct.	Ma.	D.C. Res.	Insul.	Mtg.	Wt.	Each
K1845 K1846	C-2711 C-2712	15 Hys. 12 Hys. 10 Hys. 8 Hys.	300 400	80 ohms 80 ohms 60 ohms 65 ohms	5000 V. 5000 V.	RE RF	10 lbs. 15 lbs.	5.73 7.94

SWINGING CHOKES

No. Typ	e Henrys	Ma.	D.C. Res.	Insulation	Mtg.	Wt.	Each
K1849 C-27 K1850 C-27 K1853 C-27 K1854 C-27	01 8-25 02 5-25	300 400	80 ohms 80 ohms 60 ohms 65 ohms	3000 V. 5000 V. 5000 V. 5000 V.	RE RF	5 lbs. 10 lbs. 15 lbs. 19 lbs.	5.73 7.94

Public Address Audios

Incorporate the most advanced design features. Uniform drawn cases are finished in telephone black enamel with threaded inserts for top or bottom mounting. All have lug terminals. Low level units have hum bucking construction. Completely poured with special sealing compound. Overall dimensions: (length, width, height).

Type E Case: 2½x3x3"
Type F Case: 3½x4½x3½
Type G Case: 3½x4½x4½
Type H Case: 6x4½x4¾"

Line Matching Units

In Type E. case. Shpg. wt. 3 lbs. each. Туре No. Application Each 50, 200, 500 ohm line or mike to 1 grid 1 plate to p.p. grids. Split-sec. 2:1 PA-134 PA-132 Varitone Unit

Equalizer matching transformer. 50,000 ohm external potentiometer required. Type E case. Shpg. wt. 3 lbs.

K5532—VT-2. For insertion in shunt with line or mike of 5,000 to 20,000 ohm plate. Your Cost. \$4.70

Output Transformers Secondary impedances: 500, 200, 50, 16, 8, 5, 3, 1.5 ohms.

Stock	Type	Imped. P.P.	Typical Tubes	Case	Lbs.	Each
K5387 K5392	PA-16 PA-2L6	3000/5000 6000	2A3's, 6A5G's 6L6's self bias			\$4.12 7.06

P.A. VARIMATCH Output

Designed to match any tubes within the rated power to line or voice coils. Output impedances: 500, 200, 50, 15, 8, 5, 3, 1.5 ohms.

Stock	Туре	Watts	Typical Tubes	Case Lbs. Each
K5777	PVM-1	12 4	2, 43, 45, 47, 2A3, 6F6	E 3 \$3.53
		277	Ann Alexander	

Fifter Chokes								
Stock	Type	Henrys	Ma.	Ohms	Case	Lbs.	Each	
K5580 K5582	PA-40 PA-44	10 30	200 100	110 375	F	4	\$3.23 3.23	
K5725	PA-48C	100	50	2500	F	3	3.23	

Line Varimatch Transformer

Matches any voice coil or group of voice coils to a 500 ohm line. Impedance range from .2 to 75 ohms in 50 combinations. Will match 1 to 10 500 ohm lines to 500 ohm output of amplifier.

No.	Type	Application	Case	Lbs.	Each
K5782	LVM-1	15-Watt Line Varimatch	E	2	\$3.23



"Linear Standard" Audios A line of shielded highest fidelity audio transformers featuring input coils that have transformers leaturing input coils that have lowest hum pick-up of any available, wide range frequency response (within plus or minus 1 db. from 30 to 20,000 c.p.s.), thorough shielding and dependability. Used extensively by broadcast stations. Housed in allow rases that have threaded 4 heletes. extensively by broadcast stations. Housed in alloy cases that have threaded 4-hole terminals for mounting (top or bottom). Telephone black enamel finish. Overall dimensions: A-2**x8**x3**\frac{1}{2}**(\$B-3\frac{1}{2}\$x4*\frac{1}{2}**(\$C-5x5*\frac{1}{2}\$x5*\frac{1}{2}**(\$C-5x5*\frac

Line Matching Units

For mate	hing multip	le line: 50, 125, 200, 250, 500 ohms.	Type A
	ual alloy shi	elding, hum reduction -74 db. Shpg.	wt. 8 lbs.
No.	Type	Match To	Each
K5401	LS-10	Single grid—60,000 ohms, 2 sections	\$10.58
K5739*	LS-10X	Single grid—60,000 ohms, 2 sections	13.23

*-Quadruple alloy shielding, hum reduction -92 db.

Interstage Transformer

No.	Type	Application	Case	Lbs.	Each
K5423	LS-21	l plate to 2 grids. 216:1	A	4	\$10.00
		Outnut Transform	MARC		

To voice coil secondary: 30, 20, 15, 10, 7.5, 5, 2.5, 1.2 ohms. K5412 in type B case, K5398 in C case; K5412—8 lbs.; K5398—16 lbs.

No.	Туре	Pri. Imped.	Typical Tubes	Each
K5412† K5398	LS-55 LS-6L3	8000 6600	2A3's, 6A5G's, 800A's 6L6's self bias	\$11.76 11.76
t-Alen	nutahan 50	195 900 950	200 500 -1- 1	

Varimatch Modulation Transformers

Match Any Modulator Tube to Any R.F. Load
Here's the answer to your modulation problem—a new line of transformers providing a universal range of load impedances for any modulator combination. The VARIMATCH transformer can never become obsolete. All units carry Class C current and have charts giving impedance combinations.

Stock No.	Type Type	Max. Audio Watts	Input Class C	Typical Mod. Tubes	Case	Wt. Lbs.	Your
K5400	VMO	12	25	30, 49, 79, 6A6	E	4	\$3.53
K 5360	VM1	30	60	6V6, 6B5, 2A3	F	8	5.59
K5361	VM2	60	125	801, 6L6, 809	Ġ	10	8.23
K5362	VM3	125	250	800, 807, 845	H	15	11.75

NCOR



UNIVERSAL MOUNTING POWER TRANSFORMERS

- **Electrostatically Shielded**
- Primaries For 115 V. 50/60 cycles
- 5 Possible Mounting Positions
- Heavy 8-Inch Flexible Leads

Stock	Type	No. of	Your	Pi	ate	Rec.	Fil.		No. 1		No. 2	Mtg.	W
No.	No.	Tubes	Cost	Vlts.	M.A.	V.	Α.	V.	A.	V.	A.	Area	Lb
(1706	P-6001	4-5	\$2.18	650	40	5	2	2.5	4			2½x3"	4
(1712	P-6002	5-6	2.79	700	50	5	3	2.5	71/4			2½x3"	4
(1713 -	P-6003	6-7	2.91	700	70	5	3	2.5	9			213/6x33/8"	4
(1714	P-6004	8-9	3.41	700	90	5	3	2.5	12.5			31/8×3%"	6
(1719	P-6009	6-7	3.20	550	70	5	3	5.0	.5	2.5	10.5	213 16x3 3/8"	5
(1715	P-6005	6-7	3.20	700	70	5	3	2.5	9	2.5	3.5	213/6x38/8"	6
(1716	P-6006	11-13	4.20	700	120	5	3	2.5	12.5	2.5	3.5	31/8×31/4"	6
K1717	P-6007	10-12	4.38	800	110	5	3	2.5	15	2.5	3.5	31/8×31/4"	7
1735	P-6297	.4-5	2.18	1. 480	40	5	2	6.3	2			21/2x3"	4
1720	P-6010	4-5	2.18	650	40	5	3	6.3	2			21/2×3"	4
(1721	P-6011	6-7	2.79	700	70	5	3	6.3	2.5			2½x3"	4
(1722	P-6012	8-9	3.15	700	90	5	3	6.3	3.5			213/6X33/8"	6
(1723	P-6013	11-13	3,47	700	120	5	3	6.3	4.7			31/8x31/4"	6
(1724	P-6014	13-15	4.55	750	150	5	8	6.3	5			31/8x31/4"	6
(1726	P-6165	14-16	5.26	800	200	5	4	6.3	5.5			33/4 x 4 1/2"	7
(1731	P-6293	6-7	3.15	600	60	5	3	6.3	2.5	2.5	7.5	211/6x31/8"	4
(1733	P-6295	8-9	3.67	700	90	5	3	6.3					
12100	1 0000	0.0			1			2.5	8.5	2.5	9	31/8x31/4"	6
(1734*	P-6234*	11-13	4.79	660	90	5	3	2.5	12	6.3			
	. 0201	10								5.0	4	31/8x31/4"	6
										2.5			
K1718	P-6008	14-16	4.91	750	180	5	3	6.3	3.3	2.5	6	3 16x4 18"	7



Type "M" Mount



Vertical Mount



Horizontal Mount



2 or 4 Hole Half Shell

*M1/34—P-6234 has an ac	iditional 2.5 V. at 1.70 amp.	OI Phament with			
SPECIAL 6.3 V.	TRANSFORMERS	FOR SETS	USING	P.M.	SPEAKERS

K1786 P K1787 P K1741 P K1743 P K1744 P	-6289 -6119 -6120 -6312 -6313 -6314 -6315	5-6 6-7 7-9 7-8 11-13 14-16 16-18	\$2.18 2.20 2.94 3.35 3.70 5.17 7.06	420 600 630 580 580 700 740	40 55 70 90 125 200 275	5 5 5 5 5 5 5	2 2 3 3 3 3 8	6.3 6.3 6.3 6.3 6.3 6.3	5.5		2½x3" 2½x3" 2½x3" 3½x2½" 4½x3½" 4½x3¾" 4½x3¾"	4 4 6 6 7 8
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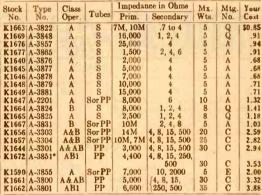
CRYSTAL RECORDER OUTPUT TRANSFORMERS Most efficient coupling between output tubes and crystal recording head, Type A mtg. Shpg. wt. 5 W.—1 lb.; 10 W-1½ lbs.

Stock	Output	lm	pedance	Mx.	Dimensions	Mtg.	Your
	Tubes	Pri.	Sec.	Wts.	HxWxD	Ctrs.	Cost
	Single	7M	70M or 4-6	5	17/8×35/6×17/8"	213/6	\$1.41
	Single	7M	70M & 4-6	10	21/4×35/4×21/6"	31/8"	1.94
K1593		10M	70M or 4-6	5	13/8x35/6x17/8"	213/16	1.41
K1594	P.P.	10M	70M & 4-6	10	214x35/8x21/8"	31/8"	1.94









OUTPUT TRANSFORMERS

* 10% Inverse Feedback Winding



Stock	Type	Impe	dance	Ratio	Mtg.	Mtg.	Wt.	Your
No.	No.	Pri.	Sec.	1/2 Sec.	Type	Ctrs.	Lbs.	Cost
K1684	A-4712*	20M	2.2M	3:1	A	23/16"	1	\$1.09
K1685	A-4713	10M	2.5M	2:1	A	23/6"	1	1.09
K1688	A-4723	10M	1.1	3:1	A	25%"	1	1.09
K1687	A-4722	10M	10M	1:1	E	23/8"	2	1.76
K1682	A-4401	10M	1.4M	2.7:1	J	23/8"	2	1.59
K1689	A-4734	10M	1.6M	2.5:1	A	23/8"	- 2	1.29

		FILTI	ER CH	IOKES	TYPE A		
Stock	Type	Hen-	Cur.	D.C.	Dimensions	Wt.	Your
No.	No.	rys	M.A.	Ohms	HxWxD	Lbs.	Cost
K1698	C-1706	5	50	300	15/6x23/6x11/6"	1	\$0.68
K1699	C-1707	7	50	500	15 18x23 8x11/6"	1	.68
K1700	C-1708	10	65	460	176x31/4x211/6"	2	.88
K 1701	C-1709	9	85	250	17/8x31/4x213/6"	2	1.18
K1702	C-1710	8	150	200	21/2x4 x21/6"	3	1.47
K1623†	C-1003	30	50	550	17/8x35/6x15/8"	2	.91
K1624	C-1002	30	75	400	21/4 x31 16x178"	2 3	1.23
K1625	C-1001	30	110	200	21/2x4 x2"	3	1,56
K1626*+	C-1034	30	30	1150	178x21/4x15/8"	2	1.12
K1583	C-2303	10	130	100	2 x3\%x1\5\%"	2	1.09
K1584	C-2304	8	150	65	2 x33 8x15 8"	2	1.09
K1585	C-2305	20	100	275	2%x2%x21/8"	2	1.47
K1586	C-2309	8	150	90	21/4x311/6x17/8"	2	1.29
*Center	tapped.	†Ou	tput ch	nokes.			

	A	.CD	.C. CI	HOKE	S TYPE A		
K1703	C-1723	4.4	50	330	15/6x28/8x13/6"	1	.68
K1694	C-1080	15	50	200	15/8×213/6×15/4"	1	.71
K1697	C-1325	15	50	250	15/8×213/8×13/8	1	.71
K1695	C-1227	15	50	350	15/8x218/16x18/8"	1	.71
K1696	C-1279	15	50	400	15/8×213 16×13/8"	1	.71









UNIVERSAL INTERSTAGE TRANSFORMERS

Split secondaries. Primary center tapped. May be used plate to grid, p.p. input or p.p. interstage. Primary will pass 10 milliamperes DC. Shpg. wt. each, 2 lbs.

Type Core Mtg. H. W. D.

K1630 K1631 K1634	A-4773 A-4774 A-4775	%x1" %x1" %x2"	E 8 8	21/4×	2 x21/8 21/6x21/4 21/4 x23/6	" 2	3/8" 3/8"	\$1,82 1.53 2.06
		Single	Plate 1	To Sir	igle Gi	rid	1	
Stock No.	Type No.	Turns Ratio	Dimens H x W		Mtg. Type	Mtg. Ctrs.	Wt. Lbs.	Your
K1650 K1652 K1653	A-53 A-63 A-73	3:1 3:1 3:1	18/8x23/8 15/8x218/6 2 x35/6	x112"	A	2" 25%" 213%"	1 1 1	\$0.91 1.06 1.32

K1653	A-73	3:1	2 x3%6x1%"	A	21%	1	1.32
	Pu	sh-Pu	II Inputs (1 Pi	. to	2 G.)		
K1651	A-53C	3:1	13 8x23 8x112"	A	2"	1	\$0.91
K1690	A-4740	3:1	2 x23/8x11/2"	S	2"	1	1.18
K1654	A-73C	3:1	2 x35/6x15/8"	A	213/4	1	1.32
X1691	A-4750	3:1	21/4x27/gx15/8"	8	23/8"	1	1.32
K1686	A-4719	3:1	23/8x25/8x21/8"	E	23/8"	2	2.32
K1587	A-62C	2:1	15/8×213/6×11/2"	- A	1 U	1	1.00
K1588†	A-4745	2:1	28/8x25/8x21/4"	E		2	2.11
K1589*	A-4206	3:1	31/8x25/8x25/8"	C		3	3.09
	Secondar		as static shield.				

	Pus	h-Pull	Interstage (2 Pl. te	2 G.)		
K1683 A- K1681* A- *Has split	4711 4208 secon	1:1 1.4:1 ndary.	15/8×213/6×11/2" 31/8×25/8×25/8"	Å C	25%	2.5	\$1.32 2.53

71

Centers Each

Trutest POWER TRANSFORMERS

* SERVICE OVER 90% OF ALL STANDARD RECEIVERS .



(A) Flush-Type



(B) Compact



(C) Bottom Shell

Trutest Power Transformers are engineered by experts and constructed of the finest materials. Each unit is designed to provide ample safety factor under normal conditions of use. All are fully guaranteed for a period of ninety (90) days against mechanical and electrical defects. All conform to R.M.A. standard. This is your

assurance that Trutest transformers will live up to the claims made for them. To simplify installation, all units are furnished with a schematic diagram, showing terminal connections. All primaries are designed for 105-120 volts, 60 cycles a.c. only.

Stock	M't'g	No.	*Plate	Rect.	*Fil. #1	*Fil. #2	Mounting	Mounting	Shog. Wt.	Your
No.	Type	Tubes	Volts-M.A.	V.—A.	V.—A.	V.—A.	Area, Ins.	Cntrs., Ins.		Cost
K 5635	A	4	65040	5-2	6.3-1.6	100000000000000000000000000000000000000	3 x21/2	234x2	2	\$1.17
K5636	A	5	700-50	5-2	6.3-2		3 x21/2	234x2	21/4	1.62
K1518	A	6-7	700-60	5—2	6.3-2.5		3 x21/2	212x2	2%	1.72
K1519	A	7-10	700-70	5-2	6.3-3	2.5-4	33/8×213/4	218/4x21/4	31/2	1.77
K1521	A	4	650—40	52	2.5-4		3 x21/2	214x2	2	1.20
K2431	A	5	700—50	5-2	2.5-5		3 x21/2	234x2	21/4	1.40
K1505	A	7	700-70	53	2.5-7	2.5-3	38/ax218/a	211/4×21/4	31/2	1.90
K1507	A	8-9	70090	5-3	2.5-10.5	2.5-3	3%x31/8	314x216	33/4	2.12
K1509	A	10-11	700-110	53	2.5-1514	2.5-3	334 x81/8	31/8×21/2	41/2	2.72
K5492	C	6-7	700—60	52	6.3-2.5		3 x21/2	21/2x2	3	1.80
K5493		8-9	700—75	53	6.3-3.2		33/8×213/6	213/4×23/4	31/2	1.95
K1522	C	10-11	600-150	5—3	6.3-3		34x31/8	31/8x21/2	7	2.38
K1523	C	12-13	750—125	5—3	6.3-5		33/4 x31/8	31/4×21/4	5	2.27
K1524	CCC	12-14	675200	5—3	6.3-5		4 1/2 x 3 3/4	334x3	5	3.18
K1450	C	5	650—50	5—3	2.5-5%	2.5-1%	3 x21/2	21/2×2	3	1.74
K1451	C	7	70070	5-3	2.5-7	2.5-3	33/8×213/6	218 6x214	3%	1.99
K1452	C	8-9	700-90	5—3	2.5-10.5	2.5-3	3%x31/8	31/8×21/2	4	2.20
K1456	В	4	650-40	5-2	6.3-1.6		21/2×23/8	2 x11/2	21/4	1.40
K1457	В	5	70050	5-2	6.3-2		21/2x25/8	2 x13/4	23/4	1.77
K1458	В	6-7	70060	52	6.3-2.5		21/2x27/8	2 x2	31/4	2.04
K1459	В	8-9	700—75	5-3	6.3-3.2		21/8x31/8	21/4×2	33/4	2.15
K1525	В	10-11	600150	53	6.3-3		31/4x31/4	21/2×21/4	7	2.51
K1460	В	12-13	750—125	58	6.3-5		31/4 x33/8	21/2×23/16	51/4	2,51
K1526	В	12-14	675—200	5— 3	6.3-5		4 x3½	31/8×21/4	5	3.30
K1461	В	13-15	800160	53	6.3-6		31/4x31/4	23/4 x211/16	6	3.05
K1454	В	5	700—50	52	2.5-5		21/4x25/8	2 x134	23/4	1.64
K1455	В	5	650—40	5—2	2.5-7		21/2×25/8	2 x13/4	23/4	1.80
K1956	В	6	700-60	5-2	2.5-7	2.5-134	21/2x21/8	2 x2	31/4	2.07
K1958	В	7	700—70	53	2.5-7	2.5-8	21/8x31/8	21/4×2	4	2.20
K1953	В	8-9	70090	5-3	2.5-10.5	2.5-3	31/4 x31/8	21/4×115/6	41/4	2.33
K1963	В	10-11	700—110	53	2.5-151/4	2.5-3	31/4 x33/8	23/2×23/6	5	2.99
*All	plate an	d heater s	secondaries are c	enter tapp	ed.					

mutest PURPOSE Audio Components

INPUT TRANSFORMERS Stock No. For Use As Mounting Turn Size—In. Mounting TerFlange Ratio H. W. D. Centers minals Wt. Cost

Stock No.	For Use As	Mounting Flange	Ratio	H. W. D.	Centers	minals	Wt.	Cost		
K1619 K1550	Single Plate to Single Grid Single Plate to Single Grid	A A	3:1	1 1 x 2 15 4 x 1 1 6 " 1 1 x 2 15 4 x 1 5 6 "	21/8"	Leads Leads	1 lb. 1 lb.	\$0.72 1.03		
K1620 K1551	Single Plate to P.P. Grids Single Plate to P.P. Grids	A	3:1	1% x21%x1%" 1% x21%x1%"	25/6"	Leads Leads Leads	1 lb. 1 lb. 1 lbs.	1.03 .79		
K5448 200 Ohms D.B. Mike to Grid A 20:1 11/4 x21/4 x11/4" 2" Leads 11/4 lbs. .79										

OUT OF TRANSFORMERS									
Stock No.	To Match	Cap.		V.C. Ohms	Size—In. H. W. D.	M't'g Centers	Ter- minals		Your Cost
K1610 K1611 K1613 K19273	Single Tube, 2000 ohms Single Tube, 5000 ohms Single Tube, 10,000 ohms Universal Tube	3 3 4	A A A	4 4 4 All	1 1/6 x2 1/6 x1 1/6" 1 1/6 x2 1/6 x1 1/6" 1 1/6 x2 1/6 x1 1/6" 1 1/6 x2 1/6 x1 1/6"	2" 2" 2"	Leads Leads Leads Leads	1 lb. 1 lb.	\$0.56 .56 .56 .79
K5667 K1535 K1538 K1537	Universal Tube Universal Tube Universal Line* Heavy Duty P.P., 3000-10000 ohms	8 12 18 26	A A B B	All All All 4 to 16	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25/8" 215/4" 215/6" 31/8"	Leads Leads Leads Leads	1 lb. 2 lbs.	.79 1.06 1.37 2.12

*-Matches 500, 1000, 1500 and 2000 ohm lines.

FILTER CHOKES

Stock No.	Induct. Henrys	Max. D.C. Ma.	D.C. Res.	Mtg. Flg.	H. Size In. W. D.	Mtg. Centers	Termi- nals	Shpg. Wt.	Your Cost	
K1601 K1527 K1528	10 10 10	30-40 65 85	200 460 250	A A A	1½x3½ x2½" 1½x3½ x2½" 1½x3½ x2½"	2 1/4" 2 1/4"	Leads Leads Leads	1 lb. 1 lb. 2 lbs.	\$0.45 .75 .80	
K1603 K1604 K1570 K5638	15 18 30 30	30-40 30-40 110 110	400 500 235 200	A A A	15/x115/x15/* 15/x115/x15/* 21/x31/x x21/x" 21/x4 x2*	23/8" 23/8" 31/4" 31/4"	Leads Leads Lugs Leads	1 lb. 1 lb. 2 lbs. 2½ lbs.	.45 .45 1.11 1.35	

FILAMENT TRANSFORMERS*

Stock No.	Filament Winding Rated At	Mtg. Flg.	Size In. H. W. D.	Mtg. Centers	Termi- nals	Shpg. Wt.	Your Cost
	6.3 volts c.t. @ 1.2 amps. 2.5 volts c.t. @ 5 amps. 5 volts c.t. @ 4 amps. 6.3 volts c.t. @ 5 amps. 2.5 volts c.t. @ 10 amps.	A A A C	1 % x2 1 / x1 / x" 2 / x2 1 / x1 / x" 2 / x3 x1 / x" 2 / x3 x2 x 3 / x2 / x x2 x x x x x x x x x x x x x x	2 1/4 1/3 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8	Leads Leads Leads Leads Leads	1 lb. 2 lbs. 2 lbs. 2 lbs. 3 lbs.	\$0.85 .75 .95 .99 2.19
K1470 K1471	5 volts c.t. @ 6 amps. 6.3 volts c.t. @ 4 amps. 7.5 volts c.t. @ 5 amps. Tube Tester 1.1 to 117 volts (19 steps)	C C C A	3½x2½ x2½" 3½x2½ x2½" 3½x2½x2½" 2½x4½ x2"	2x1¾" 2x1¾" 2¼x2" 3¾"	Leads Leads Leads Leads	3 lbs. 3 lbs. 4 lbs. 3 lbs.	2.35 2.19 2.55 4.15

* All primaries for 105-120 volts, 50/60 cycles a.c.



Type A Mtg.
Popular wide frame
strap mounting units.
Channels are riveted.



Type B Mtg.
Popular strap mounting
units with high frame.
Channels are riveted.



Type C Mtg.
Fully shielded upright
mounting units with
four eye lugs for mounting.

Miscellaneous Audio Components @



Shielded Filter Choke



Our supply is limited on this item—and at the low price shown, they won't last long. Get your order in now. Fully shielded, with terminals. Inductance is max.d.c.50 ma.

esistance 500 omhs. Shpg. wt. 2 lb 2 lbs

Decoupling Choke

Strap mtg. filter or decoupling choke for currents of 10 ma. or less. Also used in "C" bias supplies. 28 Hen-



supplies. 28 Henrys, 1000 ohms. Size: 111/6x111/x11/2". Shpg. wt. 11/2 K1411—Each

3:1 Ratio Audio

Popular replacement unit, strap mounting. 1 ½x 1 ½x 1 ¾; cen-ters 2 ¾". Insuters 2½". Insulated leads. For receivers and a mplifiers. Shpg. wt. 2 lbs. K1619—Your Cost



Exciter Lamp Transformer Supplies exciter

lamp current for 8-volt lamps at 4 amps., or for 10-volt lamps at 7.5 amps. Tapped secondary permits instant changeover. 31/8x31/x3". Shpg. wt.

Bell Ringing Transformer

Primary 110 volts a.c. Secondary 6-8 volts. Wire leads on primary, posts on secondary. K13245—55c



Servicemans Special

P.P. Input Transformer

A type of transformer that you are called upon to replace more often than any other. A real high quality unit. Ratio 3:1. High voltage insulation. 3x2½x2½". Shpg. wt. 2 lbs. 3x21/4x21/2". Shpg. wt. 2 l K1843—Your Cost Each

30 Henry Filter Choke



Inductance 30 Henrys, 50 ma. max. d.c., resistance 450 ohms. Size: 2 ½ x 1 ½ x

21/6". Shpg. wt. 3 lbs. K246—Your Cost Each. 50c

THORDARSON Tone **Control Choke**



No. T-14C70. High impedance. 22 Henrys at zero current. Max. d.c. 5 ma. Size 2½x1½" dia. Mtg. lugs; leads. Wt. 1 lb. K302-Your Cost \$1.76

C.R.L. Dual Control for use with the above. K406—Your Cost Each \$1.47

Special STANCOR **Power Transformers**



Popular type power transformers at un-usually low prices. Ideally suited for communications equipment. All primaries for 115 volts, 50/60 cycles

K1773—Type M-1535. Delivers 1200 volts c.t. at 200 ma.; 7.5 volts at 3 amps.; 2.5 volts at 3 amps.; 2.5 volts at 10 amps. Mtg. area 3%x 4¼". Shpg. wt. 15 lbs.

K1772—Type M-1534. Delivers 1200 volts c.t. at 200 ma.; 6.3 volts at 3 amps.; 5 volts at 3 amps.; 6.3 volts at 4 amps. Mtg. area 3%x 4\%". Shpg. wt. 15 lbs.

Either Type Above, \$3.95

2-Button Mike Trans.



Has a turn ratio of 1:45. Impedanceratio1:2000. Flat response curve from 30 to 7000 c.p.s. 3142 2146334 K1929 95°

P.P. Input Fully shielded, lug terminals on bot High grade tom. Turns ratio 3:1 Size: 2x21/x21/ Shpg. wt. 2 lbs. K1912— YourCost 85c

Class "B" Input



Strap mtg. p.p. Strap mtg. p.p. in put transformer for use with a 6J5G or similar plate to 6 N 7 or 6 A 6 grids in class "B". Size: 15%x art 2 lbs

111/x11/2". Shpg. wt. 2 lbs. K1409 Your Cost....

Special Value Class "B" **Power Transformer**



Special low price on this excep-tional unit. Uni-versal both phys-ically and electric

ically and electrically. Mounts in any position. Windings tapped. Primary for 115 volts, 50/60 cycles. Secondaries: 165-310-310-165 volts at 115 ms; 2.5 volts ct. at 3 amps; 2.5 volts tapped at 1½/1½/2½ v. at 5 amps; 2.5 volts tapped at 1½/1½/2½ v. at 7½ amps. Size: 4½x33/6; centers 11½ to 2½". Shg. wt. 9 lbs. K5630—

\$1.60

Shielded Filter Chokes



Fully shielded fil-Fully shielded fli-ter chokes pro-vided with long leads. For upright mtg. All 2 ½ " wide, 3½" high, 2½ "deep. Induct-ance values are with rated d.c. through coil, 2000 V. Test. Wt. 3 lbs.

25			
	50	800	\$1.15
20	80	475	. 1.15
12	100	300	.99
10	125	215	.99
6	150		.99
4	200	90	.99
	10	10 125 6 150	10 125 215 6 150 150

Audio or Plate Choke

High impedance for use as audio choke, filter in "C" bias supplies, screen grid coupler, etc. D.C. resistance 3200

6 Henrys (zero current) at 4 ma. 3x2x2¾". Q limited. Shpg. wt. 3 lbs. K1415—Your Cost Quantity

Majestic Pilot Light Dimmer



Exact duplicate of Majestic Part No. 7785. Used in models 300 300 A and

quality material—will stand up.

K2514—Your Cost.

R.C.A. Universal Output

Matches any single tubes to any voice coil of from 1 to



Primary impedance 1000 to 20,000 ohms. Response flat from 30 to 10,000 cps. Wt. 3 lbs. \$1.18 2%x21/x2". W

Step Down Transformers 220 Volts A.C. to 110 Volts A.C.

Fully shielded. Supplied with 6-ft. heavy lamp cord for 220 volt line, and flush recep-

tacle ic	or iio a	off Bide.			
No.	Watts	Size	Shpg.	Wt.	Each
K1969	80	31/4 x4x5		lbs.	\$2.05
K1968	160	314x4x5	14" 9	lbs.	2.80
K1422	250	314x4x5	14" 10	lbs.	3.75
K1426	500	378x5x4	34" 13	lbs.	5.25

Universal Step Down Transformers

Like above but input is tapped for 160/180/200/220/240 volts a.c.; desired tap selected by means of a switch on the housing. Output 115 volts a.c. With 6-ft. line cord. desired tap. With 6-ft. line co. 115 volts a.c. With 6-ft. line co. 100 Watts. 4%x3½x3½x3½" high. 100 Watts, 4% Shpg. wt. 5 lbs. K1970—Each 250 Watts. 4%x37%x434" high.

Shpg. wt. 8 lbs K1971—Each **Line Regulating Auto Transformer**



Corrects abnormal line voltage conditions. The switch on the unit permits maintaining output at 115 volts even though line may vary between 95 and 130 volts. Input tapped in 5-volt steps from 95 to 130 volts. Maximum capacity 2 amps. In black metal housing with 6-ft. line cord and output receptacle. 4½x2½x3½% high. K1972—Shpg. wt. 5 lbs. \$3.35

Auto transformer only: Like above, less case, switch, line cord and socket. For mounting in equipment. Ideal for service testing.

K1973—Shpg. wt. 5 lbs.



UTAH Special Value Transformers

Unusually low priced units of fine quality. All are fully shielded and have insulated leads. Power trans. primaries for 115 volts, 50/60

Power Transformers For 6.3 Volt Tubes (A) *Plate | Fil. No. 1 | *Fil. No. 2 | V.-A. | V.-A. Type No. H. No. K1429 K1430 K1431 K1432 RX640 RX650 RX660 5-2 5-2 5-2 1%x3 x2½" 2½x3 x2½" 650-40 6.3-1.6 6.3-2 \$1.18 x3 x21 1.62 -Windings are center tapped.

Public Address Output Transformers (B)
Primary 10,000 ohms (30, 56, 6C5, 76, etc.) Secondary for 200 or Primary 10,000 ohms (30, 56, 6C5, 76, etc.) Secondary for 200 or 500 ohm line. Shpg. wt. 3 lbs.

K1433—Type 7814. Your Cost Each
Universal class "A" primary. Adjustable impedance 3000 to 14000 to hms, 40 watts audio. Sec. for 2-4-8-16 ohm v.c.

K1434—Type 8444. Wt. 4 lbs. Your Cost.

As above, but secondary for 200 or 500 ohm line.

K1435—Type 8446. Your Cost Each
Universal class "AB" or "B" primary. Adjustable impedance 3000 to 14000 ohms, 40 watts audio. Sec. 2-4-8-16 ohm v.c.

K1436—Type 8445. Wt. 4 lbs. Your Cost.

As above, but secondary for 200 or 500 ohm line.

K1437—Type 8447. Your Cost Each
Primary 1818 'GL6, 6600 ohms plate to plate, 80 watts audio. Sec. 2-4-8-16 ohm v.c.

Secondary 4-8-16-125-250-500 ohms. Wt. 4 lbs.

K1438—Type 9076. Your Cost Each

3.23

POPULAR REPLACEMENT PARTS



Manufacture Airline Atwater-Kent Clarion Crosley General Elec. Majestic Majestic Philco Philco Philco Philco Phileo RCA-Victor RCA-Victor RCA-Victor RCA-Victor RCA-Victor Sparton Stromberg Stromberg Stromberg

EXACT DUPLICATE AUDIO TRANSFORMERS

In the tabulation below, we list the popular manufacturers type duplicate replacement audio transformers. We can supply any unit not shown at the lowest obtainable prices; give year, make and model number of set and name of unit, or send sample.

Model and Type	No.	Eac
62-101, 62-020; Input	K2247	\$1.5
55, 55C, 60, 60C-P.P. Input and Out.	K2492	1.8
AC60 Input	K2247	1.5
60S,61S,62S,63S-P.P.Input(6leads)	K1848	1.2
42, 44, 46 (KA)—P.P. Input	K1642	1.3
H32 Input and Output	K2001	1.9
70, 90—1st Audio	K2490	1.2
70, 90, 180—P.P. Input	K2109	.9
20, 220—P.P. Input	K1738	1.6
20, 220—P.P. Output (2-45's)	K1746	1.4
76, 77—P.P. Output (2-45's)	K1746	1.4
90, 90A (2-45's)—P.P. Output	K1746	1.4
95, 96, 296—P.P. Output (2-45's)	K1746	1.4
111, 112 (2-45's)—P.P. Output	K1746	1.4
R32, 52, RE45, RD75, Phono Input.	K5683	1.8
R32, RE45, R52, RE-75-P.P. Input		
and Output assembly 80, 82, 86, R35, R39, RE57—P.P.	K1965	1.8
Input and Output assembly	K1998	1.8
R50, R55, RE20, RAE59, RAE79—	W1330	1.0
P.P. Input and Output assembly	K2001	1.9
16, 17, 18, 33, 41, 50, 51—Dual Audio	K2005	.7
R7A-P.P. Input and Output	K2098	1.9
589, 930, 931—P.P. Input	K281	1.4
930, 931—P.P. Output	K276	1.0
641, 642, 652, 654—Audio	K2331	1.3
10, 11, 25, 26—P.P. Input.	K2375	6.2
68—1st Audio	K1813	.5
68—Driver Input.	K1814	.9

Aerovox A.C.-D.C. Electrolytics

Numbers in greatest demand today are listed below. We can supply any electrolytic duplicate not shown at lowest prices; give name of set and model, or send sample for quote.

1	No.	No.	Mfd.	Volts	Cost						
		C	ROSLE								
h	K2976	W25857B									
5	K2804	W27488A	8-8	200-25	\$0.59						
9	K3826	W29097B	8-6 8-8-8	25-300	.56						
5	K504	W29150B	6-7-8								
5	11304			450-450-25	1.06						
5 5 0	157	E	MERSO	N							
4	K2815	4HC348B	20-20	150	.68						
2	K3830	HC-31	4-4	200	.53						
4	K3831	HC-32	5-5	35	.44						
,	K4554	GGC-137		150-25	1.21						
-	K3031	KKC-143	12-8	150	.73						
7	K3033	2CC-194	8-16	150	.85						
1	K2816	2CC-222	12-12	150	1.03						
5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	K2822	2LC-224	16-4-8	150	1.09						
5	GENERAL ELECTRIC										
	K2993	K12J6	12-8	450	.91						
5		DC/	-VICT		,31						
4											
5	K2893	6661	8-8-5-5	450-450-	1.29						
0	K2863	66185-2		50-50							
4	M 2863	7589 66143	4-4	150-450	.62						
	K5011	11240	16	450							
	MOULE	68597-5	10	450	1.03						
ı	K5011	11203	16	450	4 02						
1		68597-6	20	400	1.03						
)			-								
1			ENITH								
1	K3148	22-560	35-16-10	150-150-25	.88						
		The state of the s									



HORDARSON

Power Transformers



General purpose fully shielded units for radio re-ceivers and amplifiers. Bottom leads; diagram furnished. All primaries for 110/ 120 volts, 50/60 cycles.

2.5 Volt (10 to 15 Tubes)

T56R05—700 volts et. at 110 ma.; 2.5 v. et. at 9 amps.; 2.5 v. et. at 3 amps.; 2.5 v. et. at 3 amps.; 5 v. at 3 amps.

For Class "B" Receivers

T69R35—775 volts ct. at 200 ma.; 6.3 volts ct. at 3 amps.; 5 volts at 3 amps. 4 1/2 x 3 ½ x 4 ½ ". 5 4.76 K426—Your Cost... 5 4.76

For 6L6 P.A. Amp.

T17R30-740 volts ct. at 280 ma.; 6.3 volts ct. at 7 amps.; 5 volts at 3 amps. 3½x4½x4½x".\$6.00
K511—Your Cost...

For Hi-Power Amp.

T17R31—860 volts et. at 325 ma.; 6.3 volts et. at 8 amps.; 5 volts at 6 amps. 33x44x44x. \$8.82
K522—Your Cost.

6.3 Volts (4 or 5 Tubes)

T70R78—680 volts ct. at 55 ma.; 6.3 volts ct. at 1.5 amps.; 5 volts at 2 amps. 3\%x2\%x4\%".\$3.00

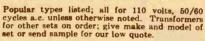
6.3 Volts (7 to 8 Tubes)

T70R61—770 volts et. at 70 ma.; 6.3 volts et. at 2.5 amps.; 5 volts at 2 amps. 43/x33/x33/x" \$3.35

6.3 and 2.5 Volts (11 Tubes)

T75R50—870 v. ct. at 250 ma. (bias tap 80 v.); 6.3 v. ct. at 1.5 amps.; 2.5 v. ct. at 10 amps.; 2.5 v. at 3 amps.; 5 v. at 3 amps. 3 4x 4 14 x4 1/6". K516—Your Cost

EXACT DUPLICATE POWER TRANSFORMERS





Fully Shielded 6.3 V. **Transformers For Sets Using PM Speakers**

Deliver lower plate voltage than required by sets using field coil type speakers. All fully shielded, upright mounting, with leads. Primaries are for 110/120 volts, 50/60 cycles a.c.



k1938—Delivers 240-0-240 volts at 40 ma.; 5 volts at 2 amps.; 6.3 volts c.t. at 1.6 amps. Size: 2½x 2½x 3½". Shpg. wt. 3 lbs.

K1939—Delivers 260-0-260 volts at 60 ma.; 5 volts at 2 amps.; 6.3 volts c.t. at 2 amps. Size: $2\frac{1}{4}x$ $3\frac{1}{4}x$ 34.7 Shpg. wt. 4 lbs. Each.

K1940—Delivers 275-0-275 volts at 80 ma.; 5 volts at 2 amps.; 6.3 volts c.t. at 2½ amps. Size: 2½ x3½ x3½ ". Shpg. wt. 5 lbs. Your Cost

\$1.50

Special Value! **Transformer For Sets** Using PM Speakers

Dealers and servicemen can add to profits by taking advantage of the unusu-



of the unusu-ally low price quoted for this unit. Popular half-shell mounting type, with lug terminals. Primary for 110/120 volts, 60 cycles a.c. Sec-ondaries: 240-0-240 volts at 40 ma.; 5 volts at 2 amps. (rectifier): 6.3 onuaries: 240-0-240 votts at 40 ma.; 5 volts at 1.6 amps. (rectifier); 6.3 volts at 1.6 amps. (for heaters). Mounting area 2½x3". Diagram supplied. Shpg. wt. 3 lbs. \$1.10 Each.

THORDARSON TRANSFORMER ENCYCLOPEDIA

ZE-70 power units

. K1980 6.47

Informative Transformer Encyclopedia and Service Guide supplied FREE with all orders for Thordarson transformers. Just ask for one when you with all orders for Thorsend your next order in.

\$5.47 send your next order in.

K461—FREE on request with orders for Thordarson transformers.

K 2405

Replacement













2B, 2E

3B, 3E

Plate-To-Grid Transformers

High quality units, all designed to match a 10,000 ohm plate (56, 76, 37, 27, 55, 85, 77, etc.) to a single class A grid delivering not more than 15 watts.

Stock	Thord.	Turns	Dimensions	Mtg.	Wt.	Your
No.	No.	Ratio	W. D. H.	Type	Lbs.	Cost
K599	T-13A34	3:1	213/6×15/8×15/8	3B	3/4	\$0.94
K265	T-29A99	3:1	27/8×2 ×23/8	2B		1.41
K266 K213	T-57A36 T-47A25	3:1 3:1	21/6 x21/8x21/8 21/6 x21/4x21/6	2F 2C	11/2	1.59
K268	T-57A38	3:1	3% x2½x3	2F	21/4	2,12
K211	T-75A74*	2:1	2½ x2½x3	2F	11/2	

^{*} Has static shield between primary and secondary

Push-Pull Input Transformers
Single plate (10,000 ohms) to push-pull grids. Stock No. K301 may also be used as a tapped PP grid impedance with ratios of 1:1, 1:2, or 1:4.

Stock No.	Thord. No.	Turns Ratio	Dimensions W. D. H.	Mtg. Type	Wt. Lbs.	Your Cost
K532	T-14A92	3:1	23/4 x15/4 x13/4	3B	1/2	\$0.94
K600	T-13A35	3:1	213 16x 15/6 x 15/8	3 B	3/4	1.06
K281	T-33A91	3:1	27/8 x21/6 x23/8	2B	11/4	1.41
K237	T-86A03	3:1	31/6 x21/6 x2	3B	13/2	1.59
K216	T-14A29	3:1	2 x115/6x23/8	2C	13/4	1.76
K282	T-57A39	3:1	23/4 x21/8 x23/8	2F	11/2	1.76
K283	T-57A40	3:1	33/8 x21/8 x3	2B	2	2.29
K284	T-57A41	3:1	33/8 x21/2 x3	2F	21/4	2.47
K301	T-74A31	1:1	33% x212 x3	2F	21/4	2.47
K601*	T-13A36	1:1	31/6 x13/4 x2	3 B	1	1.41
K272*	T-58A70	1.5:1	334 x234 x3	2F	21/4	2,65

^{*} Indicates P.P. Plates to P.P. Grids.

Filtering Chokes

For receivers, amplifiers and transmitter application. All inductance

ratings shown are with full faced current howing through the winding.									
Stock	Thord.	Mount.	Induct.	Rated	Res.	Wt.	Your		
No.	No.	Type	H'ys.	Ma.	Ohms	Lbs.	Cost		
K604	T-13C26	3B	8	40	530	1/2	\$0.65		
K 605	T-13C27	3B	10	40	475	3/4	.76		
K606	T-13C28	3B	10	65	460	1	.85		
K241	T-43C92	2C	10	75	260	11/4	1.18		
K252	T-47C07	3B	12	75	410	11/4	1.18		
K254	T-44C02	3B	12	80	405	11/4	1.06		
K287	T-57C51	2B	6	80	138	11/4	1.06		
K607	T-13C29	3B	9	85	250	114	1.12		
K334	T-68C07	2 B	15	85	375	2	1.41		
K289	T-57C53	2B	10	110	200	21/4	1.41		
K290	T-57C54	2F	10	110	200	23/4	1.59		
K335	T-75C49	3B	8	120	290	11/2	1.06		
K269	T-17C00-B	2F	12	150	231	33/4	1.94		
K608	T-13C30	2B	8	150	200	21/4	1.41		
K336	T-74C29	2G	15	150	200	51/4	2.82		
K310	T-67C49	2F	5	200	80	33/4	1.94		
K366	T-75C51	2G	13	250	121	8	3.53		
-									

AC-DC Filter Chokes

Small but highly efficient filtering chokes for AC-DC receivers, inter-

communicators, etc. All are 21% 1811 % 1198 1198									
Stock No.	Thord.	Mount. Type	Induct. Hy's	Rated Ma.	Res. Oht 's	Wt. Lbs.	Your Cost		
K 487 K 488	T-14C61 T-14C62	3B 3B	7 8	55 55	200 250	**	\$0.71		
K 489	T-14C63	3B	8	55	300		.71		

	_			251		
Low	mp.	Source	To Si	ngle or	P.P.	Grid

Stock No.	Thord.	Application	Impedano Pri.	e Ohms Sec.	Mtg. Fig.	Wt. Lbs.	Your Cost
K375	T-65A73	DB mike to grid	200/50	100,000	2F	2	\$2.12
K 402 K 405	T-83A78 T-86A02	S.B. mike to grids S.B. mike to grid		*400,000 *400,000	2F 2B	11/4	1.59 1.59
K377	T-72A59	Plate and S.B. Mike to grid	500 0 200	100,000	2B	3/4	1.18
K 428	T-83D21	Line to P.P. grids	500	5100, 12,500	2F	21/4	2.47

^{*} Center tapped secondary.

We are listing on this page only the most popular numbers in the complete Thordarson audio line. See page 68 for power transformers. We can, however, supply any unit made by Thordarson at the Dealer Prices.

Output Transformers								
Stock	Thord.	Class	Ohms Impedance	Max.	Mtg.	Your		
No.	No.	Oper.§	Pri. Sec.	Watts	Fig.	Cost		
K455	T-14S81	S or P-P; A	7000 Ct3 to 6	1 5	3B	\$0.88		
K536	T-14S83	S; A	25,000 Ct3 to 6	5	3B	.88		
K537	T-14S84	S; A	8000-3 to 6	5	3B	.88		
K602	T-13S37	S; A	70001-2-4	5	3E	.88		
K376	T-13S39	S; A	4000-1-2-4	5	3E	.88		
K276	T-33S99	P.P.; A	8000 Ct6 to 12	10	2B	1.06		
K386	T-13S40	P.P.; A	14,000 Ct1-2-4	10	3E	1.06		
K387	T-81801	P.P.; B	10,000 Ct.—2-4-8	8	2B	1.06		
K388	T-17S10	S; A	2500-2-4-8-500	8	2F	2.12		
K390	T-17S11	P.P.; AB ₁	8000*-4-8-15-250-500	1 15	2F	3.18		
K391	T-17812	P.P.; AB ₁	4300*-4-8-15-250-500	25	2F	3.18		
K392	T-17S13	P.P.; AB ₁	6600*-4-8-15-250-500	34	2G	4.23		
K393	T-17S14	P.P.; AB2	5500*-4-8-15-250-500	40	2G	4.23		
K471	T-17815	P.P.P.; AB ₁	3300*4-8-15-250-500	60	2G	4.59		
K327	T-67S51	P.P.; A	14,000-4-8-15-500	20	2F	2.47		
K329	T-67S48	P.P.: A&B	8000-4-8-15-500	25	2F	2.47		
K273	T-58S72	P.P. A&AB	30004-8-15-500	30	2F	2.65		
K326	T-67854	P.P.; A&AB	5000-4-8-15-500	30	2F	2.82		
K331	T-67892	P.P. Par.	1500-4-8-15-500	40	2F	2.82		
		A and AB			}			
K328	T-65S94	P.P.; A,	8000 4-8-15-500	40	2F	2.82		
		AB ₂						
K330	T-75S75	P.P.; A,	10,0004-8-15-500	40	2F	2.82		
		A Back B						
K507	T-84S58	P.P.; AB2	3800-4-8-15-500.	60	2G	4.23		
K364	T-89S75	P.P., AB1	6600-4-8-15-500	40	2F	2.82		
*-10%	feedback	winding. §-8	ingle, Push-Pull or P.P. P	arallel s	pecified	as well		
as Class of Operation.								

	ж от орологи						
		Universal	Output Tra	nsformer	'S		
K603	T-13S38))	8	3E	\$1.06
K541	T-14S85	Sin.	4000/7000	Adjust.	8	3B	.88
K278	T-57S01	or P.P.;	8000/10,000	.I to	8	2E	1.41
K474	T-57S02	Cl. A	14,000 Ct.	29	8	2B	1.41
K275	T-17S57	0	22,000 00.	-	8	2C	1.59
ILLIO	1 11001	,	1 1200 10000	1 4 1 4	1	20	1.03
	m .ngo	2 4	1500/2000	Adjust.		077	
K354	T-13S42	S; A	4000/5000	l to	10	3E	1.06
0.7	1		7000	29			
			3000/5000	Adjust.			
K355	T-13S41	P.P.; A	6600/7000	1 to	20	2E	1.94
			8000/10,000	29			
	PL	Unive	rsal Tube To	Line			
K297	T-61S25	Univ.	2500/4000	500	10	2E	\$2.29
		Single; A	5000/6000/70				
K298	T-61S26	Univ.	8000/10,000	500	10	2E	2.47
		P.P.; A	12.000/14.000				
-		Univers	al Line To S	peaker			
K299	T-53S81	L. to V.C.	500/250	4-8-15	35	2D	\$3.35
-	1	1 to 6	500/1000 \Pr	i as 500		1 1	
K506	T-60S48	V.C.'s to	1500/2000 oh		10	2E	2.12
11.000	. 00010	500 ohm L.	2500/3000 pr		10		
		COO CHILD Z		m12 to 16			
K453	T-14S80	L. to V. C.	500 2-4-6-8		12	2E	1.41
K454	T-76S74	L. to Mul-	500-250/166	/125/	30	3E	2.65
		tiple spkrs.	100/84 (auto				

Audio Reactors

Stock No.	Thord. No.	Induct. H'ys	Max. Ma.	D.C. Ohms	Mtg. Type	Shpg. wt. lbs.	Your
K317	T-67C46*	300	- 5	6470	2B	2	\$1.23
K5497	T-29C27*	500	.5	6150	2B	1 1	1.23
K333	T-18C92*	22	35	405	3B	2	1.06
K318	T-81C151	.75	.5	30	2B	1 1	1.41
K320	T-93C201	250	.5	6400	2B	2	1.94
K332	T-74C301	42	15	2100	3B	1 1	1.06
K302	T-14C70	22	0	220	††	1	1.76

*—Indicates Plate Impedance. ‡—Indicates Tuned Audio Circuit, to accentuate a pre-determined band of frequencies. ††—Round can, 2½" h., 1½" o.d.

_		-			11		-	1 -74	<u>. </u>
Н	ī	Di	iver	Tr	ansi	forme	rs	10	Т
		4	-						_

No.	Type	Mtg.	Input Tubes	Output Tubes	Class	Each
K308	T-67D78	2F	1-46, 59, 6F6, 42,	2-46, 59	B	
	E-20		2A5 Triode	2-6L6	AB2	\$2.12
K338	T-74D32	2 F	2-6C5, 76, 56	2-6F6, 42, 2A5,	AB2	
				4-2A3, 6B4G	AB	2.29
K316	T-78D46	2B	1-30	1-1J6G, 19, 2-30	В	1.06
K322	T-54D63	2F	1-30, 1-49, 1-6C5	1-1J6G, 1-19	B	
				2-49, 2-6V6	AB2	1.59
K340	T-81D42	2F	1-6F6, 42, 2A5	2-6F6, 42, 2A5		
	12		Triodes	Triodes or Pts.	AB2	2.29
K508	T-84D59	2F	2-6C5, 6N7	2-6L6, 6V6	AB2	
		-	2-6A6, 53	2-6N7, 6A6, 53	B	2.29
K 457	T-17D01	3B	6F6, 42, 2A5 Tr.	2-6F6, 6L6	AB	1.41
K 458	T-14 D93	3B	1-76 Triode	1-6A6, 6N7	B	1.23

EROVOX Special Purpose CONDENSER



"O9" Series

Compact high voltage units hermetically sealed in welded steel cans. "Hyvol" filled. Universal mounting bracket that permits either upright or inverted mtg. Sizes to 5000 V. available on special

			oruger.	
Stock	Cap	Wkg.	Size	Your
No.	Mfd	. Vits.	In.	Cost
K4527	2	600	31/4x111/4x11/4	\$3.00
K4528	4	600	31/4 x21/2 x13/6	3.88
K4529	1	1000	21/8×113/6×11/6	2.65
K 4530	2	1000	33/8×11/6×11/6	3.53
K4531	-4	1000	45/8x21/2 x13/6	4.41
K4532	-1	1500	4 x113/6x11/6	3.17
K4533	2	1500	41/8x21/2 x11/6	4.41
K 4534	4	1500	45/8×38/4 ×11/4	6.00
K4535	1	2000	314x2 x134	3.88
K 4536			31/x33/4 x11/4	4,59
K4826			3 1/4 x 3 1/4 x 2 1/4	6.35
K4830			45/8x3% x1%	9.17
K4825	2	3000	4½x3¾ x3¾	10.58
19	50		40	



Aerovox 1000 V. **Condensers**

Compact wax-filled and impregnated units in rust-proof metal cans 2" high, 14" wide. 1000 V. Wkg. Wt. 2 lbs.

NO.	Mid.	Depth	Each
K5046	.5	11/4"	51.06
K5047	1.0	11/4"	1.47
K5048	2.0	215"	2.26
K5049*	4.0	23/4"	3,65
* 274" W	ide.		

Drawn Metal Case Oil-Filled Condensers



Non-inductive paper sections encased in a onepiece drawn, hot-tinned brass

case with sol-dered bottom plate which hermetically seals plate which hermetically seals the capacitor. Are both oil-impregnated and oil-filled. Riveted lug terminals. 3%" mtg. ears. In addition to the sizes listed below we can also furnish units with 200V. and 400V. DC working voltages. Other capacities are also available on order; prices on request. 600V. D.C.W. Type 630.

	урс	000.	
	Sing	le Section	
Stock No.	Cap.	Size Inches	Your
K3637	.1	113/6X15/6X13/6	Cost \$1.23
K3638 K3639	.25	2 1/6x11/6x1/8	1.29
K3640	1.0	2x2¼x1½	1.59
Wacas			
K3641	.11	113/6X15/16X13/16	\$1,56
K3642	2525	2 16x 118 6x 18	1.59
K3643	.55	2x214x11/8	1.82

Rectangular-Can Oil-Filled Condensers



Upright corrosion-proof metal con-tainers hermet-ically solder-sealed. Special immersion-proof terminals. Espe-cially designed for cially designed for aircraft and marine installations where compactness

and minimum weight are essential. Ideal for use wherever severe atmospheric and climatic conditions are encountered.

00V.	Ty	pe 416	400V	D.C.1	N.
	Stock			e In.	Your
	No.	Mfd.	DxV	/ x H"	Cost
	K3629	.25	11/4×13/4	x1114	\$1.35
Your	K3630	.5	11 16 X 1 5 16		1.38
Cost	Tv	pe 616		D.C.	
\$1.23	K3633	.1	116x156		\$1.35
1.29	K3634	.25	116x156		
1.38	K3635	-5	116x156	x214	1.41
1.59					
	Тур				
	K3627	.05	11/6×15/6		\$1,32
\$1,56	K3628	.1	11/ax1%	x17%	1.38
1.59	K3631	.25	11/4×15/	×1114	1.41
1.82	K3632	.5	11/4X15/6	T214	1.53

"05" Series

"Hyvo!" filled and impregnated units in round aluminum cans provided with terminals mounted on high voltage stand-off insulators. Hermetically sealed. All mount either upright or inverted; mounting ring is furnished. All conser-

V. E.	-01	vatively	rated.	
Stock	Cap.	Wkg.	Size	Your
No.	Mfd.	Vits.	ln.	Cost
K4819	1.0	600	2 x23/4	\$1.76
K4820	2.0	600	2 x23/	2.29
K 4821	4.0	600	2 x334	3.17
K4793	1.0	1000	2 1512	1.94
K4794	2.0	1000	2 x51/4	2.65
K4795	4.0	1000	21/2x51/4	3.35
K4796	1.0	1500	2 x51/4	2.47
K4797	2.0	1500	2 x514	3.35
K4822	4.0	1500	21/2x51/4	4.23
K4798	1.0	2000	2 x43/	3.17
K4799	2.0	2000	2 151	3.53
K4827	1.0	2500	2 x514	4.23
K4828	2.0	2500	21/2x51/4	7.06
K4823	1.0	3000	21/2x51/4	6.35
K 4561	2.0	3000	3 x51/4	7.76

AEROVOX "10" Series

Hyvol filled inverted aluminum cans 11/3" diam. Hermetically sealed With

		SCAICU.	
insul.	washe		
Stock	Cap.	Wkg.	Your
	Mfd.	Vlts.	Cost
K4519	2.0	600	\$1.94
K 4520	3.0	600	2.29
K 4521	4.0	600	2.65
K4522	1.0	1000	1.76
K4523	2.0	1000	2,29
K4524	0.5	1500	2.11
K 4525	1.0	1500	9 2 0



AEROVOX Paper Tubulars



Non-inductively wound paper tubulars. Fully wax impregnated. All have pigtail wire leads.

400 Volts Working

140.	MIIG.	Eacn	INO.	INITIA.	Lacn
K4731	.01)		K4737	.1	15c
K4733	.02	400	K4739	.25	18c
K4734	.03	12°	K4741	.5	26c
K4735	.05		K4742	1.0	35c
	60	0 Volts	Work	ing	
K4746	.001		K4754	.02	12c
K4747	.002		K4755	.03	15c
K4748	.003		K4756	.05	15c
K4749	.005	400	K4758	.1	18c
K4750	.006	12°	K4760	.25	26c
K4752	.01		K4762	.5	35c
K4753	.015				- 117
	1000	Volts	Workin	ng	
K4766	.001)		K4772	.01	24c
K4767	.002	150	K4774	.02	24c
K4768	.003	15°	K4776	.05	26c
K4769	.005		K4778	.1	35c
K4770	.006				

VIBRATOR TUBULARS

Paper	type,	rated at	1600	volts w	kg.		
No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
K4779	.01	12x11/2	27c	K4782	.04	11 16x2	
K4780	.02	%x2	27e	K4783	.05	11 16x2	32c
K 4781	0.3	9: 9	20.	-		- NO	



Oil Filled and Oil Impregnated Tubulars

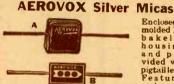
2000 volts wkg. Ideal for vibrators and x'mitters.

No.	Mfd.	Size	Each	No.	Mfd.	Size F	Each
K4833	.0075	Size 13/6x111/6	53c	K4837	.03	18/4×29/6	56c
K4834	.01	13 16X 111 16	53e	K4838	.04	13/4×29/6	56c
K4835	.015	18/6×28/6.	53c	K4839	.05	18/4×29/6	59c
K4836	.02	13 16 x 29 16	53c				577

PREE: An informative, practical engineering paper, issued monthly, the AEROVOX RESEARCH WORKER. Servicemen, engineers, hams, and other interested radio workers need only write us today—names will be placed on the mailing list immediately. When writing, give name and address, employment or business AND your radio qualifications.

We can also furnish the extra-heavy-duty commercial grade capacitors as used by the Army, Navy and commercial communication companies. Aerovox Transmitting Catalog FREE only to professional radio and electronic engineers. Write on business letterhead. K19668—FREE on request.

Commercial Grade Capacitors We can also furnish the extra-heavy-duty



Enclosed in molded XM bakelite housings and pro-vided with pigtail leads. Features: only plus .0022 per ; high "Q";

degree F. temperature coefficient; high "Q"; no capacity drift with time 1000 volts test, 500 working. Tolerance ±5%.

Type 1469—Fig. B. 1821 ""

K5071	.000005	35c	K5079	.00015	35c
K5072	.00001		K5080	.0002	35c
K 5073	.000025		K5081	.00025	35c
K 5074	.00004		K5082	.00023	53c
K5075	.00005	29c	K5083	.00035	53c
K5076	.00007	29c	K 5084	.0004	53c
K5077	.000075	29c	K 5085	.0005	53c
K5078	.0001	29c			
T	ype 1464	_Fig	A 25/#	Square	
W.cono					
K5086	.00075	71c	K5090	.0025	\$1.41
K5087	.001	88c	K5091	.003*	1.59
K5088	.0015	\$1.06	K5092	.004*	1.68
K5089	.002		K5093	.005*	1.76
*600	volts test,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

AEROVOX Midget Micas





1000 V. Test, 500 V. Wkg. Type 1467 (A) "Postage Stamp" Micas only 254" square. Bakelite case. Type 1468 (B) ultra-tiny units in bakelite cases only 456254."

"A"			"B"	44 A27			16 B**
No.	Mfd.	Each	No.	No.	Mfd.	Each	No.
	.00004	12c	K3417	K 4623	.0005	15c	K3427
	.00005	12c	K3420	K4624	.001	18c	K3428
	.00007	12c	K3421	K4625	.002	24c	
	.000075	12c	K3422	K 4626	.003		
	.0001	12c	K3423	K4627	.004*		
	.00015			K4628			
	.0002	12e	K3425	K4629	.006*		
	.00025			K4493			
Sizes	marked	* are	e 600 v	. test,	300 v		

Type 1450 Micas



High quality bakelite cased micas, all 1½" square. Lug terminals. 1000 v. test, 500 wkg.

NO.	MIG.	tach	No.	Mfd.	Each
K4601	.00005	26c	K4608	.002	32c
K4602	.0001	26c	K4609	.003	41c
K4603	.0002	26c	K4610	.004	41c
K4604	.00025	26c	K4611	.005	41c
K4605	.0005	26c	K4612	.006	47c
K4606	.001	29c	K4613	.01	59c
K4607	.0015	32c	K4614	.02*	85c
* 600	v. test, S			.00	000

AEROVOX UNCASED Replacement Units

Non-inductively wound high grade uncased sections, neatly shaped and wrapped in black varnish paper with ends sealed with pitch.Provided with insulated wire leads, 8" long. Designed for replacement use in filter block repair work. In two popular sizes; two standard working voltages. Shpg. wt. each 1 lb.

400 Wkg, Volts D.C.

No. Mfd. Size Each

K3412 1.0 2x1½x1½ 53c

K3414 1.03½x1½x1½ 65c

K3413 2.03½x1½x1½ 82c

K3415 2.03½x1½x1½ 97c

Paper Condensers to Replace **Dry Electrolytics**



Paper wound units in round metal cans or flanged cardboard con-tainers to replace dry electrolytics rated up to 600 volts. Extremely low power factor and leakage. Leads.

eries	PWC-Ro	und Metal	Cans 4	36" H.
Stock	Replaces	Actual	Dim.	Your
No.	Mfd.	Cap. Mfd.	In.	Cost
K5065	4	2	13/8"	\$0.97
K5066	8	2.75	13/8"	1.23
45067		1.75-1.75	136"	2.00
Serie	s PWP-C	ardboard C	ases 41	" L.
₹5068	4		3/8× 15/6"	.85
C5069	R		82 - 112 A	

EROVOX Dependable Quality -

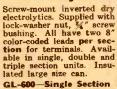
Prong-Base Midget Condensers



Compact, economical and easily mounted dry electrolytics. Have base prongs which slip into elliptic washer riveted or eyeletted on chassis. Fibre washer for insulated can; metal for grounded can. Metal and bakelite washers Can neg. Type F.

supplicat can neg.						
No.	Mfd.	W.V.	DxH	Each		
K5022	10	450	1x2	\$0.53		
K5023	20	450	1x2	.79		
K5021	30	450	1x3	.97		
K5024	40	450	1x3	1.15		
K5025	10-10	450	1x2	.85		
K 5026	10-10-10	450	1x3	1.12		
K5027	20-20	450	1x3	1.18		
K 4586	80	400	13/8x2	1.73		
K 5028	10-10	250	1x2	.76		
K5029	20-20	250	1x2	.79		
K5030	20-20	150	1x2	.71		
K5031	30-30	150	1x2	.79		
K5032	30	150	1x2	.50		
K 5033	10-10	450	1x3	.94		
K 5033	20	25	110			
K 4590	30-20	150	1x2	.82		
M 4590	20	25	1XZ	.04		
K4567	15-15	250	1x2	.79		
W4201	20	25	1 AZ	.19		
			_			

Inverted Dry Electrolytics



		Single Second V. D.C.	
No.	Mfd.	DiaHt.	Each
K4516 K4517		1%x4¼ 1%x4½	1.85

		Single Se	
K4651		13/4x3	\$0.62
K4652	8	138x4	.76
K4653	12	13/8×4	1.00
K4654	16	13/8×4	1.12
K4577	20	13/8×4	1.23
K4679	30	13/8×4	1.71
K4580	40	13/8×4	2.18
M 4572	90	182-4	3 00

		Double S 50 V. D.C.	
K4655	4-4*	13/8×4	\$0.94
K4656	8-8*	136x4	1.15
K4686	8-16*	136x4	1.41
K4573	10-10*	13/8×4	1.38
K4574	16-16*	11/2×4	1.65
K4575	20-20*	136x4	1.94

Туре	3GL-450 Peak 45	Triple Se	
K4657 K4658	4-4-4* 8-8-8*	1 1 1 x 3 1 1 x 4 1/2	\$1.35
	10-10-10*	11/6x4	1.88

*	Each section has 2 leads.				
Ī	Type GL-45025 450x25 V. D.C. Wkg.				
	(4585 \(\begin{pmatrix} 10-10 \times 450 \\ 20 \times 25 \end{pmatrix}\) 1 \(\frac{1}{8} \times 3				

Midget Dry Electrolytics

Ultra-	compact; 2	leads p	per section
Туре	GLS-450-	Singl	e Section
525 V	/. Peak 4	50 V. D	.C. Wkg.

525 V. Peak—450 V. D.C. Wkg.						
No.	Mfd.	Size-Ins.	Each			
K4663	4	1x23/6	\$0.62			
K4664	8	1x211/4	.76			
K4665	12	1x83/4	1.00			
K4666	16	1x3¾	1.12			
K4518	8-8*	13/8×3	1.15			
Type G	LS-250 -	250 V. D.C.	Wkg.			
K4667	4	1x21/6	\$0.53			
K4668	8	1x211/6	.68			
K4669	12	1x211/6	.82			
K4670	16	1x31/4	.97			
* Double section; 2 separate leads.						

"DANDEE" Ultra-Compact Tubular Dry Electrolytics — Type PRS



Space saving, yet full-rated capacity and voltage. Ideal for midgets, AC-DC and auto radios where maximum capacity and working voltage required in minimum space. Varnished paper insulating jacket over can. Dual units (Type PRS-A) have two leads plus common negative riveted center mounting strap.

Stock	Cap.	Wkg.	Sixe	Your	Stock	Cap.	Wkg.	Size	Your
No.	Mfd.	Volts	Ins.	Cost	No.	Mfd.	Volts	Ins.	Your Cost
K700	10	25	%x1 %	\$0.29	K726	4	350	%x2 3/6	\$0.35
					K737	8	350	13 16×111/16	.41
K701	25	25	16x111/6	.35	K738	12	350	13/8×2 3/6	.50
K5050	50	25	11/6X111/6	.44	K739	16	350	13/6×2 3/6	.59
K5051	100	25	13/6×111/6	.65				15/-0 %	
K702	10	50	%x111/16	.32	K5054	24	350	15/16x2 3/16	.65
K703	25	50	11/6X 111/16	.41	K753	4	450	11/6×111/6	.41
K5052	50	50	13 16×111	.50	K754	8	450	13 6x 111 6	.44
K5053	100	50	18/8X2 3/6	.71	K755	12	450	15/6×111/6	.53
M 2022	100	00	/16×2 /16		K756	16	450	15/16×2 3/16	.65
K741	4	150	%x111/4	.29	K5055	20	450	15/6X2 3/6	.71
							200		
K742	8	150	%x111/6	.32	K704	10-10	50	%x2 %	.59
K748	12	150	11/6×111/16	.35	K5056	10-10	25	5/8x2 1/6	.50
K749	16	150	11/6×111/16	.41	K5057	8-8	150	11 6x2 3/6	.59
K750	24	150	11/6×2 3/6	.44	K5058	8-16	150	3/x2 5/16	.62
K751	30	150	13/6×111/6	.47					
K752	40	150	18 16X 2 3/6	.47	K5059	20-20	150	1/8×2 1/6	.76
KIJE	40	100	Mers Me	.41	K5060	8-8	200	3/4×2 5/6	.68
K718	4	250	%x1 %	.32	K5061	8-16	200	13/6×2 5/6	.68
K723	8	250	11/6X111/6	.35	K5062	16-16	200	7/8×2 5/6	.76
K724	12	250	11/16X 111/16	.47	K5063	8-8	450	1 x2 5/6	.76
K725	16	250	11/4×2 3/4	.53	K5064	8-16	450	1 x2 1/8	.94
KILD	10	201)	180 m 180	.55	KJOOT	0-10	100	1 A4 78	.54

4-Lead Dual-Section "DANDEES" Type PRS-B Featuring separate sections with separate leads, reduced size. Smallest middet sectrolytics on the market. Same high quality.

minger	C. C. C.	013 0100	OM BALL		. Detaile	Par d			
No.	Mfd.	Volts	Size	Each	No.	Mfd.	Volts	Size	Each
K5034	20-20	150	1x23/4	\$0.97	K5036	8-8			
K5035	16-16	250	1x2½	1.18	K5037	8-16	450	1x3½	1.35

Electrolytics

Plug-In

Stock

No.

K5014

K5015 K5016

K5017 K5018

K5019

Stock

No.

Universal Mounting Dry Electrolytics



Multiple units consisting of separate sections with common negative grounded to can. Self-healing; surge proof. Complete with mounting for universal mounting. Exact replacement for many of the (Songton, Zenith, etc.)

the older sets (Sparton, Zenith, etc.) Shpg. wt. 2 lbs Type E-450 Multiple Section

и	9200.	See Pc	4000	WOIN.
Į	No.	Mfd.	Size-Ins.	Each
Į	K4630	8-8	21/2x41/8	\$1.29
	K4494	5-15	21/2×41/8	1.65
	K4631	8-8-8	3 x41/8	1.91
1	K4632	9-9-18	3 x41/8	2.65

Cardboard Drys



With justimoun brackets.

Type P450—2 Leads 525V. Peak—450V. D.C. Wkg. No. | Mfd. | Size-Ins. | Each 34x13/8x41/8 13/6x13/8x41/8 13/6x13/6x41/8 K4671 \$0.53 .68 1.03

3	Lead	ls-Com. Neg.	Ī
K4674	4-4	11/4x12/8x41/8	
K4675	8-8	11/4x12/4x41/8	

Tubular Dry Electrolytics



sizes. Aluminum internal construc-tion. Can be used to replace wet electrolytics providing surge volt-age does not exceed 525 volts.

Type AEP-450

450 V. D.C. Wkg. 525 V. Surge

Type AEP-45025 (15/2125/2")

10

40

80 10-10

Cap.

K5020 10-10-10

K5013 | 10-10/20 |

Size

In. 154x254 154x254 154x254 154x254 154x454 154x254

Wkg. Vlts.

450/25

Cost

\$0.88

1.23 2.18 3.00 1.38 1.94

Your

\$1.88

Cost

Single and double-section dry electrolytics in sturdy cardboard, completely sealed containers. 2½° bare wire leads. Single sections have 2 leads; double section units 3 leads, all riveted to tabs.

PR45	0-450	V. DC Worl	king	lype P	K20-2	O V. DC W	orking
No.	Mfd.	DiaLth.	Each	No.	Mfd.	DiaLth.	Each
K4676	2	%x21/4	\$0.47	K4689	5	3/4 x2 3/4	50.35
K4677	4	%x21/4	.53	K4690	10	3/4 x 2 1/4	.47
K4678	8	34 x234	.68	K4692	20	7/8×23/4	.53
		1 1 1 1 1		K4693	25	7/8×2 1/4	.59
PRZS	0-250	V. DC Wor	King	K4694	50	15/6x28/4	.85
K4682	8	7/8×21/4	.59	K4695	5-5	7/8×21/4	.53
K4683	10	1/8 x2 1/4	.65	Type P	R25-2	V. DC W	orking
PR100	100	V. DC Wor	king	K4696	5	5/8×21/4	.35
K4684	5	1 34 x2 34	.41	K4697	10	3/4 x2 1/4	.35
K4685	10	%x234	.50	K4700	25	7/8×21/4	.47
K4688	25	15/4×23/4	.68	K4701	50	13/4×23/4	.68

"Adjustimount" Midget **Dry Electrolytics**



"adjustimount" mounting bracket with slotted holes.
Mounts flat, upright, singly or
stacked. Two separate leads for
each section. Wax impregnated.

Type PBS600—High Surge 600 Volts DC Working

No.	Mfd.	D. W. L.	Each
K 4501	4	136x11/8x27/6	\$1.23
K 4502	8	176x11/2x31/8	
Type	PBS450	-525 Volts	Surge
	450 V. E	C Working	
Ct. I	1 0	CI T	

Stock No.	Cap.	Size—Ins. D. W. L.	Your
K 4633	2	1/2x 3/4x23/4	\$0.47
K4634	4	%x1 x276	.53
K4635	8	11/ex 11/ex 27/6	.68
K4636	10	11/6x11/8x33/16	.82
K4637	12	11/6x11/8x33/6	.94
K4495	16	11/6x11/8x21/6	1.03
Туре	PBS450		Surge

K4644 | 4-4 | 11/4x11/8x21/6 | \$0.85

Type 1 250 V	PBS250	-300 Volts Working-S	Surge
K4491 K4650	8-16 8-8-8	11/4x11/4x3 11/4x11/4x3	1.35
K 4645	8-8	1%5x11/8x2%	1.06

No.	Mfd.	D. W. L.	Each
K4639	4	1/2x 3/4x21/6	\$0.4
K4640	8	%x 13/6x23/46	.59
K 4641	10	11/8x11/8x27/4	.6
K4642	12	11/8×11/8×27/6	.6
K4643	16	11/6x11/8x27/6	.70
K4503	20	11/6x11/8x27/6	.8
K 4504	25	11/6x11/8x31/6	.8
K 4505	30	11/8x11/8x33/8	1.0
Tyme	P#5250	200 Volte	Carro

250 V.		Working-Do	
K4646	4-4	11/6x 3/4x27/6	\$0.65
K4647	8-8	13/16X 13/16X 23/16	.88
K4648	8-16	11/4x11/8x27/6	1.03
K4507	16-16	11/6x11/8x21/6	1.18

K4507	19-10	1%6x1%8x2%	1.18
Type	PBS250	-300 Volts	Surge
250	V. DC V	Norking—Tri	ple
K4649	8-8-8	17/8x 13/6x 27/6	\$1.35
K4492	8-8-16		1.50

Cardboard Dry Electrolytics



K5010

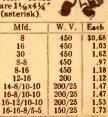
K5011 K5012

K4813° K4814° K4815°

K4816

K4817

K5042*



150/25

* K4813-11/6x33/4". * K4815-11/6x23/4". * K4814-11/6x41/4". * K5042-11/6x11/6x3/

Metal Can Drys—Insu-lated or Grounded Types



Type I-450—Insulated dry electrolytic. Negative lug on can.
Type G-450—Can negative. Both types 450 V. wkg. (525 V. P.); %" bushing; 1\%" dia.

I-450 No.	G-450 No.	Cap. Mfd.	In.	Cost
K 4660 K 4661	K4509 K4510	8 12	31/4	\$0.76 1.00
K4662	K4511	16	41/4	1.12

rutest GUARANTEED CONDENSERS

TYPE FOR EVERY REQUIREMENT * MILLIONS



Dry Electrolytic Filter

Condensers

In heavy cardboard containers, with heavy wax impregnation. 525 volt surge, 450 volts d.c. working voltage. E quipped with 6" leads and mtg. flanges. Perfectly sealed; mois-

ture proof.

No.	Mfd.	Inches	Each
K3351	2	21/2x 13/4x 13/4"	31c
K3346	4	41/6×13/4× 3/4"	40c
K 3348	8	436x186x1"	46c
K3349	10	436x136x136"	62c
K3350	12	4 1/8 x 1 1/8 x 1 3/8"	70c
K3352	16	41/6×13/6×11/4"	77c

Multiple Units All 525-volt surge, 450 working.

No.	Mfd.	Inches	Each
K3337	4-4	15/8×1"	64c
K3339	4-8	13/8×13/8"	73c
K3342	8-8	13/x13/6"	79c
K3366	8-8-8	2 x136"	\$1.17

Special Compact Filters For A.C.-D.C. Receivers

Accurately rated, full apacity compact



heavy cardboard containers with metal mtg. tabs. Wax impregnated.
All units listed are only 2½" long.

525 V. Peak-450 V. Wkg.

NO.	Mid.	W. T.	Each
K3219	2	%x 3/4"	35c
K3220	4	7/8× 7/8"	40c
K3222	8	34x138"	46c
K3302	12	11/6x11/6"	70c
K3218	8-8	13/8×17/4"	79c
K3303	8-8-8	1116x136"	\$1.10

"600" V. Surge 475 V. Wkg. Units

No.	Mfd.	W. T.	Each
K3206	2	15 16X 15 16"	51c
K3207	4	11 16X1 1/6"	59c
K 3209	8	136x136"	71c

Self-Mounting **Dry Electrolytics**



In uninsulated metal cans. Have mounting ears to be bent back un-der chassis. Connections to coded lug terminals.

Perfectly sealed. Can
be used with the insulating or metal mounting plates listed below.

All are rated conservatively.

Stock	Cap.	Wkg.	Size	Your
No.	Mfd.	VIts.	In.	Cost
K3325	10	450	1x2	\$0,48
K3326	15	450	lx2	.64
K3327	20	450	1x2	.71
K3330	40	450	1x3	1.03
K3331	10-10	450	1x2	.76
K3332	20-20	450	1x3	1.06
K3333	40-40	450	136x3	1.69
K3334	20-20	250	1x2	.71
K3335	20-20	150	1x2	. 64
K3336	30-50	150	1x3	.79
K3338	40-20	150	1x2	.71
K3340	50-50	150	1x3	.85
K3341	10-10/20	450/25	1x3	.85
K3343	20-20/20	400/25	1x3	1.11
K3344	10-10/20	350/25	1x2	.71
K3345	20-20-20	150	1x2	.76
K3353	40-20-20	150	1x23	4 .87
K 3354	40-40-40	150	1x3	1.01
K3355	10-10-10/20	450/25	13/8×2	1,09
K3356	20-10-5/10	350/25	13 8x2	.95
K3357	40-20-10/20	200/25	13/gx3	1.01
Mos	inting Pla	tes Fo	r Abe	IVE

Bakelite. For 1" cans... Bakelite. For 1%" cans K3361 Metal. For 1% cans.

FULLY GUARANTEED FOR 1 YEAR!

For best results, use TRUTEST filter and by-pass condensers They are manufactured to conform with the highest standards
—easily meet all R.M.A. quality standards. All TRUTEST Dry
Electrolytics are GUARANTEED to have a power-factor of from
4% to 8%; leakage less than .1 Ma. per microfarad; all capacity
ratings within a R.M.A. requirements; not affected by humidity
(suitable for trong use).

Always specify TRUTEST CONDENSERS—the fully GUAR-ANTEED line with a type for every service and set builders requirement—Accept No Substitutes!

"Mites" Ultra Compact **Dry Electrolytic Condensers**



Ultra compact units that can be used in a large percentage of radio repair requirements. Especially well suited for use in a.c.-d.c. midgets, and whenever space is limited. Self-supporting wire leads are permanently attached to the end plates. All have cardboard outer sleeves. Conservatively rated.

a								or very	secu.
Stock	Cap.	Wkg.	Size	Your	Stock	Cap.	Wkg.	Size	Your
No.	Mfd.	Vits.	In.	Cost	No.	Mfd.	Vits.	In.	Cost
K757	10	25	5/6x17/9	22c	K766	4	450	11/6x13/6	
K758	25	25	5/8x17/6	27c	K767	8	450	18 6x 17/8	32c
K3275	5	50	%x138	24c	K768	12	450	15 16X 17 R	40c
K3276	10	50	11 16X 1 7/8	26c	K788	16	450	7 RX216	48c
K759	25	50	11/4×13/	30c	K789	20	450	15/6×21/8	53c
K3277	50	50	116x136	37e	K790°	10-10	50	5/ax23/a	43c
K760	4	150	11 16X 17	22c	K3285*	8-8	150	11/6×23/8	44c
K761	8	150	11/6×17/8	24c	K3286*	12-20	150	11/6x28/8	51c
K762	12	150	11/6x1%	26c	K3287*	20-20	150	15 MX 28/8	55c
K763	16	150	11.6x178	30c	K791*	12-12	200	18 MX 23/8	51c
K764	20	150	116x176	32c	K792*	8-16	200	13 16X28	51c
K3278	30	150	18 2x 17/8	35c	K793*	16-16	200	%x23/g	55c
K765	40	150	74x174	35c	K3288*	8-16	250		
K3279	4	250	%x13%	24c	K794*	8-8	450	1/x21/8	58c
K3280	8	250	5/8×17/8	27c	K3289*	8-16	450	1x23/8	53c
K3281	12	250	34x176	35c	K3290†			1x25/8	72c
K3282	16	250	34x1/8	40c	K3290†	20-20	150	1x23/8	73c
K3283	20	250	%x21/8			16-16	250	1x27/8	88c
K3284				44e	K3296†	8-8	450	11/6x33/8	73c
K3204	40	250	1/8×23/8	51e	*-3 lead	8; 1-4	leads.		- 1

Universal Mounting Cardboard Tube Drys



Mount in any position. Cardboard tubes are provided with metal mounting tabs that can be soldered to the chassis, mounted through holes in the chassis, or anchored with screws. All sections have separate positive and negative insulated leads; leads on dual units can

be connected together to get either common negative or common posi-tive. Sealed to be moisture-proof. 1273---

DOUGK	Cap.	77 B.K.	0126	Lou
No.	Mfd.	VIts.	In,	Cos
K3298	20	150	34x234	\$0.3
K3299	8	450	34x236	.3
K3304	16	450	7 ax21/2	.4
K3305	20-20	150	1 x21/2	.7
K3306	8-8	250	7 gx21/2	.5
K3307	16-16	250	1 x3	.8
K3308	8-8	450	1 x3	.7
K3322	16-16	450	13/8×4%	1.0

Trutest

TRUTEST "Tiny Mikes"

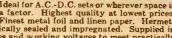
450 V. Wkg. 525 V. Peak



Tiny dry electrolytics in rectangular cardboard cartons with insulated wire leads. All have metal tabs for quick, easy mounting. Cartons are fully wax impregnated so as to be impervious to moisture. Conservatively rated at 450 volts d.c. wkg., 525 volts surge. Ideal for universal replacement, purposes replacement purposes.

ı	Stock	Cap.	Size	Your
3	No.	Mfd.	In.	Cost
1	K3258	2	%x %x21/4"	\$0.35
1	K3259	4	%x %x21/4"	.40
1	K3265	8	%x1 1/6x2 1/5"	.51
1	K3266	10	138x116x216"	.62
1	K3267	12	11/6x11/6x21/6"	.70
1	K3268	16	114x114x214"	.77
1	K3273*		11/6x17/6x21/4"	.64
۱	K3274*		11/8×11/6×23/2"	.79
1			parate sections.	

TRUTEST MIDGET PAPER CARTRIDGE CONDENSERS



Ideal for A.C.-D.C. sets or wherever space is a factor. Highest quality at lowest prices. Finest metal foil and linen paper. Hermetically sealed and impregnated. Supplied in a wide variety of capacities and working voltages to meet practically every service requirement. All provided with long tinned wire leads; units can be made self-supporting.

Stock No.	Cap. Mfd.	Work. Volts	Your Cost	Stock No.	Cap. Mfd.	Work. Volts	Your Cost
K3179	.01	400	0-	K3185	.002	600	1
K3180	.02	400	Re	K3186	.006	600	Qc.
K3181	.05	400		K3187	.01	600	100
K3182	.1	400	10c	K3188	.02	600	
K3183	.25	400	12c	K3189	.05	600	10c
K3174	.5	400	17c	K3190	- 1	600	12c
K3172	1.0	400	24c	K3191	.25	600	17c
K3184	.001	600	8c	K3169	.5	600	24c



Inverted Can **Dry Electrolytics**

Dry Electrolytics
For inverted, hole-inchassis mounting. Standard size, round aluminum
can fits hole for ½ stud.
Can is insulated from condenser sections. Rated at
450 volts d.c. working
and 525 volts surge.
With 6" insulated leads.
With mounting nut. Shpg.
wt. each 1 lb.

No.	Mfd.	Diam.	Ht.	Each
€3324	8	138"	47/4"	57c
43328	10	13%"	41/4"	66c
<3329	12	1%"	47/6"	75c
(3398	8-8	1%"	476"	86c

Dry Electrolytic Can-**Type Multiple Section**



450 volts, d.c. working 525v. surge. 4½" aluminum can, common negative. Each section a separate electrolytic. elf-healing type. So

No.	Mfd.	Diam.	Each
K3316	8-8	21/2"	\$0.97
K3317	5-15	214"	1.23
K3318	8-8-8	3"	1.43
K3320	9-9-18	3"	1.98
K3319	8-8-8-8	3"	1.91
K3321	8-8-18-18	3"	2.57

Shielded Paper By-Pass

Universal mounting types. Sealed in drawn alu-m i n u m shield cans.



ALL are 600 volts peak.

Stock No.	Mfd.	Wkg. Volts	Each
K3263	1.0	200	55c
K3264	2.0	200	65c
K3269	.1	400	25c
K3270	.25	400	32c
K3271	.5	400	36c

Midget Molded Micas



Tiny mica con-densers in molded bakelite housings. Provided with pigtail wireleads.

Sizes through .004 mfd. are 1000 v. test, 500 v. d.c. wkg.; above .004 mfd. are 600 v. d.c. test, 300 v. d.c.

Stock	Cap.	Your	Stock	Cap.	Your
No.	Mfd.	Cost	No.	Mfd.	Cost
K3438	.00001	8c	K3402	.0006	9c
K3439	.000025	8c	K3443	.00075	9€
K3403	.00005	8e	K3416*	.001	11c
K3405	.0001	8e	K3400°	.0015	lle
K3440	.00015	8c	K3418°	.002	14c
K3407	.0002	8c	K3404*	.003	18c
K3408	.00025	8c	K3446*	.004	21c
K3409	.0003	9c	K3406*	.005	23€
K3441	.0004	90	K3401°	.006	28e
K3411	.0005	9c			
-2/4"	square;	other	8 16x11/6		

High Voltage Oil Impregnated Tubulars

Non-induc-tive. Extremely low power factor. Ideal



mica substitutes as by-pass, blocking, buffer or antenna coupling units, etc. Metal cases. Oil impregnated.

No.	Mfd.	Vlts.	DL.	Cost
K3250	.002	1500	%x1%"	\$0.24
K3251	.005	1500	5/8×111/4"	.24
K3252	.01	1500	11 16X 111 16"	.37
K3253	.02	1500	78X1116"	.40
K3254	.05	1000	1/4×21/4"	.44
K3257	.1	1000	1/8×21/4"	.48

Deduct 10% when ordering in lots of 10 (may be assorted).

"600" Line-Type TC **Paper Tubulars**

Non induc tively wound.



a.c.					
No.	Mfd.	Each	No. 1	Afd.	Each
K2627	.0001	12c	K2636	.006	12c
K2628	.00025	12c	K2637	.01	12c
K2629	.0004	12c	K2638	.02	12c
K2630	.0005	12c	K2639	.05	15c
K2631	.001	12c	K2640	.06	18c
K2632	.002	12c	K2641	.1	18c
K2633	.003	12c	K2642	.25	26c
K2634	.004	12c	K2643	.5	35c
K2635	.005	12c	K2681	1.0	59c

Save on "600" Tubular Kit! You make a real saving when you buy this Sprague kit of 33 TC tubular condensers: 2—.001, 3—.002, 3—.005, 6—.01, 5—.02, 4—.05, 8—.1, 2—.25 and 1—.5 mfd. Shpg. wt. 3

K2613—Per Kit... "400" Line-Type AA

volts d.c. working voltage.							
No.					Each		
K2604	.03		K2610	.25	18c		
K2605	.05	12c	K2611	.5	26c		
K2606	.06	15c	K2612	1.0	35c		
K2608	.1	15c					
				1.0	35c		

Type BP Metal-Cased Paper By-Pass Condensers

Indrawn metal



v.,surge;		600 00	2
400 volts working		nd moisture-p	roof.
No.	Cap.	Dimen.	Each
K2619 K2620	0.1	111/4x1x1/4 21/4x1x1/4	47c
K2621	0.5	21/4x11/4x1/4	68c
K2622 K2623	1.0	2x13/4x1 13/4x15/4x15/4	88c 59c
K2624	.2525	21/ax1 1/4 x 3/4	71c
K2625 K2626	.55	2x1 1/4 x 1 21/4 x 1 1/4 x 3/4	88c 76c
K 2040	.112	14488	11-11

TypeUCCased"Hang-Up **Paper Condensers**

Oil impregnated and wax filled. and wax filled. Fully cased and sealed to prevent melting of wax. Impervious to moisture. Ideal for X'mitting and P.A. work.



WOLK.			_
400		TS WORKIN	
Stock	Cap.	Dimen.	Your
No.	Mfd.	Ins.	
K2779	- 1	23/8x15/8x5/8	53c
K2780	2	21/8×15/8×15/8	82c
600	O VOL	TS WORKIN	
K2781	1	2%x111/4x136	
K2782	2	31/2x178x11/6	97c
100	O VOL	TS WORKIN	
K2783	1	4 1/2x1 7/8x1 3/8	\$1.06
K2784	2	41/2×27/6×1	1,76

	-/2/	
all F	Paper Dielectric Ur	iits
	To replace electro-	
	lytics. No polarity	
	pacity about 1/8 to 1/2	
	that in same size dry electrolytic can.	
調	CAN TYPE (Right)	Y
Stock	Repl. Size-Ins. Cap. Mfd. L. D.	You
INO.	Cap. Mid. L. D.	COR

No.	Cap. Mfd	. L. D.	Cost
	4		\$0.97
	8		
	8-8 RDBOARI		
Stock No.	Repl: Mfd.	Size—Ins. L. W. T.	Your Cost
K2755	8 14	1/8×1%×11/4	\$1.15

SPRAGUE "ATOMS" Ultra-Compact **Dry Electrolytics** SPRAGUE

Ultra-compact capacitors sealed in tubes with outer insulating sleeve. Protected against "Blow-ups." All have 3½" bare wire leads riveted

to end	caps.								1100
No.	Mfd.	Wkg. V.	DL.	Each	No.	Mfd.	Wkg.V.	DL.	Each
K769	10	25	%515/8	29c	K783	10-10f	50	5/8×23/8	59c
K770	25	25	%x15/8		K3164	8-8°	150	5/8×28/8	59c
K2680	5	50	%x15/8		K2842	12-20°	150	11/6×28/8	68c
K2682	10	50	11/16X 1 5/8		K3165	20-20*	150	3/4 x 23/8	76c
K771	25	50	%x15/8		K2683	20-20†	150	1 x21/8	97c
K2841	50	50	11/6x17/8	50c	K2843	40-20†	150	11/6x2 1/8	\$1.00
K772	4	150	5/8×15/8	29c	K784	12-12*	200	18/4×28/8	68c
K773	8	150	%x15%	32c	K785	8-16*	200	13/8×28/8	68c
K774	12	150	%x15%		K2844	8-16*	250	34x27/8	76c
K775	16	150	11/6x15/8		K2845	8-16†	250	1 x23/8	1.00
K776	20	150	%x15/8		K787	16-16°	200	7/8×25/8	76c
K2840	30	150	13/6×17/8		K2846	16-16°	250	1 x23/8	88c
K777	40	150	%x1%	47c	K2684	16-16†	250	1 x21/8	\$1.18
K778	4	450	%x15%	41c	K786	8-8*	450	15/6X 23/8	76c
K779	8	450	3/x 15/8		K2685	8-81	450	11/6x3%	97c
K780	12	450	78×15/8		K2847	8-16°	450	1 125/8	97c
K781	16	450	18/6×21/8		(°) 3 le				
K782	20	450	%x21/8	71c	(,) 2 16	aus. (/ 1 leads	· .	

"PTM" Tiny Mikes 450 V. Wkg., 525 V. Peak



Have adj	untable m	ntal faat	
No.	Mid.	Size	Each
K3564	Mid.	1/8x 1/8x21/2"	\$0.53
	8	%x11/8x21/2"	.67
K3565	16	11/x11/x21/2"	1.03
K3587	8-8	11/1×11/4×21/4"	1.06
K3567*			2,00
-Four I	eaus; seps	rate sections.	

"ATOMS"

8 MFD 450 V. D.C.

"600" Line Can Type Dry Electrolytics

Durable units for exacting P.A. amplifier and radio replacement use. 600 Volt Surge, 475 Volt Wkg. SC type has threaded screw mtg.; insulating hardware supplied. AC type for clamp mounting; clamp

supplied.	†-Si	ze is 5	x1 1/2".		
Type AC	(left)			TypeSC	
Stock			Size	Stock	Your
No.	Cost			No.	Cost
K2601	\$0.88	4	314x1	K2616	\$0.88
K2603	1.06		41/4x13/8	K2618	1.06
		12	47/4x13/8	K2767	1.47
K2657	1.65	16	41/4x11/	K2768	1.65
K2607	1.70	8-8*	456x138	K2676†	1,70
			separate le		

Type "EL" Prong-Base Dry Electrolytics

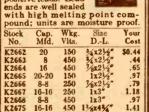
In uninsulated metal cans with self-mounting feature; metal ears bend back under chassis. Lug terminals are coded. All are per-fectly sealed and are impervious to moisture. Insulating

		tes ar			arate	negativ	ve an	d les	
		tes list			positiv	e leads	. Lea	d S	of milita
Stock	Cap.	Wkg.			ends a	re well	seale	d	_
No.	Mfd.	Vlts.	DL.		with h	nigh m	eltin	g point	com-
K2522	10	450	1x2"					noisture	
K2523	15	450	1x2"	.71	Stock	Cap.	Wkg.	Size	Your
K2524	20	450	1x2"	.79	No.	Mfd.	Vlts.		Cost
K2525	40	450	113"	1.15	_				
K2526	10-10	450	1x2"	.85	K2662	20	150	%x2/2"	\$0.44
K2527	20-20	450	1x3"	1.18	K2663	8	450	1/4×21/2"	.44
K2528	40-40	450	1⅓x3″	1.88	K2664	16	450	7/8×21/2	.65
K2529	20-20	250	1x2"	.79	K2665	20-20	150	1x21/2"	.97
K2531	20-20	150	1x2"	.71	K2666	8-8	250	%x21/2"	.79
K2532	30-50	150	1x3"	.88	K2667	16-16	250	1x3"	1.18
K2533	40-20	150	1x2"	.79	K2668	8-8	450	1x3"	.97
K2540	50-50	150	1x3"	.94	K2675	16-16	450	13/8x43/4"	1.41
K2541	10-10/20	450/25	1x3"	.94	co.	0 V I	Dook	Drys	-
K2548	20-20/20	400/25	1x3"	1.23					
K2550	10-10/20	350/25	1x2"	.79				ectrol	
K2552	20-20-20	150	1x2"	.85	Simila	r in ap	ppears	ince to	"LM"
K2556	40-20-20	150	1x21/4"	.97	units a	bove.	High	ly forme	ed dry
K2593	40-40-40	150	1x3"	1.12	electro	lytics	guara	nteed to	carry
	10-10-10/20		136x2"	1.21	the a.c	. ripple	. Use	to repla	ce wet
	20-10-5/10							are no	
	40-20-10/20				availal				
			_		Stock	Cap.	P.	eplaces	Your
Mana	maina Bla	the En	e Abe	- MA	DWUCK	Casi.	40	chiacco	1001

Mounting Plates For Above K2658-Bakelite. For 1" cans K2659-Bakelite. For 13%" cans K2660-Metal. For 1" cans K2661-Metal. For 13%" cans

"LM" Cardboard **Tube Compact**

Dry Electrolytics
All provided with
universal mig. lugs
that can be soldered
on top of chassis,
anchored with screws or extended through holes in chassis and bent under. All have separate negative and positive leads. Lead



Stock No.	Cap. Mfd.	Replaces Wet El.	Your Cost
K2515	8	4 to 8 mfd.	\$0.73
K2516	16	12 to 18 mfd.	1.00
K2517	25	20 to 40 mfd.	1.18

4450" Line Inverted Can Dry **Electrolytics**

Type LC. Cased in metal containers. standard mounting holes. Continuous work-ing voltage, 450; maxi-mum peak voltage, 525. Color-coded leads. Mounting nuts, long



				7.	
Stock	Cap.		Ins.	Your	
No.	Mfd.	D.	L.	Cost	
K3534	4	1	3	\$0.62	
K3535	8	13/8	41/6	.76	
K2789	12	13/8	41/4	1.00	
K2790	16	13%	41/6	1.12	
K3536*	4-4	13/2	41/6	.94	
K3537*	8-8	11/2	43/8	1,15	
* 4 leads—separate sections.					

"600" Volt Line Cardboard Cased **Dry Electrolytics**



Type DC. Full sized electrolytics for P.A. and heavy service work. Double seal—moisture-proof con-struction. Long color-coded leads. 475 V. working; 600 V. peak.

No.	Mfd.	L. W.	T.	Each
K2646	2	28/8x 7/8x	1/8	\$0.68
K2647		41/8×13/8×		.82
K2649		438x188x		.97
K2651*		41/8×15/8×		1.29
K2653		4 % x 1 % x		1.41
K2656*		4 1/8 x 1 1/5 x		1.56
* 4 leads	: separ:	ate section	ns.	

Type LD. Similar to above but 450 V. working; 525 V. peak.

No.	Mfd.	L. W. T.	Each
K3527		41/8×13/8× 34	\$0.53
K3528		41/8x11/8x1	.67
K2792		41/8×13/8×11/8	
K2793		4 %x1 %x1 ¼	1.03
K3529		416x1%x1	.85
K3530 K2794	8-8*	4 % x 1 1/4 x 1 1/8	1.06
		ds. (†) 6 lead	1.56 ls.

Silvered Micas

Type SM silvered mica condensers. Exceptionally stable and high "Q". Size 1 1/22". Workin Voltage 700 V. Tolerance ±10.77 Excellent for oscillator padders.

Stock No.	Capacity Mfd.	Each
K2757	.0001	26c
K2758	.0002	26c
K2759	.0005	26c
K2760*	.001	44c
K2761*	.002	50c
K2762*	.003	65c
K2763*	.004	85c
K2764*	.005	94c
* Size 1 1/6 x	%".	

Standard Micas Type 1FM standard

postage stamp size micas with high quality ruby mica dielectric. 600V. working voltage. Size: ½1½". Moisture-proof molded construction. Each 12c 15c 15c 15c 18c 27c 29c 32c Stock No. Capacity Mfd. **K2769** .0001 **K2770** .0002 .00025 .0005 K2773 .001 .002

:}\\#**#**

"KR" Dry Electrolytics



Extremely compact etched foil dry electrolytics with color coded leads. May be color coded leads. May be mounted in any position—either above or below sub-panel. Seamless drawn aluminum can equipped with mounting nut. Furnished with long insulated, color coded leads. Dual units have separate sec-Mounting nut supplied.

40	0 Mala - P		
43	A ADIES P	C Worki	ng
Stock	Cap.	Size	Your
No.	Mfd.	Ins.	Cost
K1295	4	1 x236	
K1296	8	1 1216	76c
K1297	12	1 x234	\$1.00
K1298	16	1 x316	1.12
K1299	4-8	136x3	1.03
K1300	8-8	138x3	1.15
K1354	8-16	138x436	
K1302	8-8-8	138x416	1.65
600	Volts D.	C. Worki	2.03
Stock	Cap.	Size	Your
No.	Mfd.	In.	Cost
K1050	8	136x436	
K1051	16	1 LC v 4 LC	
			2 47

High Voltage Dry to Replace Wet Electrolytics



High Formation-High High Formation—night Voltage dry electrolytics especially designed to replace wets. Designed with mounting feet for upright mounting to replace inverted can type.

upright mounting to replace inverted can type units. Available in three universal types. The 10 mfd. dry unit will replace wet electrolytics from 4 to 12 mfd.; 20 mfd. replace wets from 12 to 24 mfd; 40 mfd. replaces wets from 24 to 40 mfd.

No.	Mfd.	Size	Each
K1052	10	1%x31/4"	50.68
K1053	20	1 %x4"	.97
K1056	40	1%x4"	1.18
		O	2.20

"UP" Dry Electrolytics



Smallest can type dry electrolytics. Hermetically sealed in aluminum cans with terminal lugs on bakelite insulating cover. Can negative. Projecting tongues for vertical mounting on chassis or bakelite mounting on chassis or bakelite mounting plate. Tongues have wire holes. Feature low leakage and power factor, dependable operation over wide tem-

No.	Mfd.	Vits.	In.	Each	
K1150	10	450	1x2	\$0.53	
K1151	20	450	1x2	.79	
K1152	40	450	1x3	1.15	
K1153	20-20	150	1x2	.71	
K1154	30-30	150	1x2	.79	
K1149	50-50	150	1x3	.94	
K1155	20-20	250	1x2	.79	
K1156	10-10	450	1x2	.85	
K1209	50-50/20	150/25	1x3	1.03	
K1160	10-10/20	450-350/	25 lx2	.85	
K1170 Bakelite mounting plate for					
1" car	s. Each			36	

"DA" Metal Cased Paper **By-Pass Condensers**



Non-inductively wound. Wax impregnated and oil cooled. Lug terminals.

	400 Vol	ts D.C. Wkg.	
No.	Mfd.	LxWxT	Each
K1277	.1	113/6x1 % 3/4"	\$0.47
K1278	.25	114 ux1x3/4"	.53
K1279	.5	113 mx1x 7/1"	.68
K1342	1.0	2 x13/4x13/6"	.88
K1343	2.0	2 x2 x116"	1.12
K1344	.11	113 16X 1 X 34"	.59
K1345	.2525	2 x134x34"	.71
K1346	.55	2 x134x1"	.88
	600 Volt	s D.C. Wkg.	
K1348	.5	2x 13/4 x 13/16"	.85
K1350	1.0	2x2 x116"	1.06

"BLUE BEAVER" Type BR Dry Electrolytics



Extremely small and very handy to use. Feature: Electro-Chemical etching that eliminates corrosion; Hi-Formation Process that affords higher voltage breakdown; Hi-Fressure Centrifuge that provides better impregnation and gives a lower power factor; Hi-Purity Aluminum Foil that makes for better direct current leakage recovery; Special C-D Super-Purity Cellulose Separator that gives extra long life; Double agoing that provides more stable characteristics.

No.	Mfd.	Wkg. Vlts.	ln.	Each	No.	Mfd.	Wkg. Vlts.	In.	Each
K1090	10	25	5/2X11/6	29c	K1104	40	150	3/4×2	50c
K1091	20	25	%x13%	32c	K1105	4	250	%x11/4	32c
K1092	25	25	5/8×11/16	35c	K1106	8	250	%x1%	35c
K1093	50	25	%x176	44c	K1107	12	250	56x2	47c
K1094	5	50	5/8×15/6	29c	K1108	16	250	3/x111/4	53e
K1095	10	50	16x 11/4	32c	K1109	20	250	32x111/6	59e
K1096	20	50	3/8×13/6	35c	K1110	40	250	3/8×23/2	68c
K1097	25	50	39x176	41c	K1111	4	450	34x134	41c
K1098	50	50	5/8×111 16	50c	K1112	8	150	34x2	44c
K1099	- 4	150	%x11/6	29c	K1113	12	450	7.8x2	53e
K1100	8	150	5/8×11/16	32e	K1114	16	450	76x214	65c
K1101	12	150	%x11/6	35e	K1115	20	450	1x21/2	71c
K1102	16	150	96x11/6	41c	K1055	30	450	1x3	85c
K1103	20	150	58x111 16	44c	K1116	8	500	16x1116	62c
K1054	30	150	3/4×2	47c	K1117	16	500	1x21/2	94c



"BRL" Dual Beavers (Com. Neg.) Dual "Beavers" with common negative. Provided with sturdy center mounting strap; only one screw mounts under chassis. With long

	-		color-	-coaea	leads.				
No.	Mfd.	Wkg. Vlt	s. In.	Each	No.	Mfd. W	kg. Vl	ts. In.	Each
K1118	5-5	25	%x1%	44c	K1124	20-20	150	36x214	_
K1119	10-10	25	5/8×13/4	50c	WIITEA				76c
K1120	5-5	50	%x1%	53c	K1125	8-16	250	78x23/4	76c
K1121	10-10	50	5/8×21/4	59c	K1126	16-16	250	1x23/4	88c
K1122	8-8	150	3/4×21/4	59c	K1127	8-8	450	1x23/4	76c
K1123	8-16	150	13 ix 21/4	62c	K1128	8-16	450	114x31/4	97e

Type BRS Dual Beavers (Common Positive)

No.	Mfd. V	Vkg. Vit.	s. In.	Each	No.	Mfd. W	kg. Vlts.	In.	Each
K1200 K1201	4-8 8-8	150 150	34x21/2 1316X21/2		K1204 K1205	16-16 20-20	150 150	1x21/2 15/4x27/2	88c 97c
K1202	4-12	150	13/6x21/2	71c	K1207	30-10	150	15/6×27/8	97c
K1203	8-16	150	15-16X232	79c	K1208	30-20	150	1x27/8	\$1.00

"JR" Tiny Electrolytics



HANDI-MIKES equipped with convenient metal mounting

feet and long color-coded leads

No.	Mfd.	L x W x T Each				
K1313	4	21/2x1 x 1/6 53c				
K1314	8	21/2x11/8x 11 16 68c				
K1315	12	21/2x11/8x 1/8 94c				
K1316	16	21/2x1 x13/8 \$1.03				
K1317	4-4	21/2x11/8x 1/8 85c				
K1318	8-8	21/2x13/8x11/8 1.06				
K1320	8-8-8	2½x1½x1¾ 1.56				
HEH!! Standard Drye						



"Heavy Duty"
units for large
receivers.
450 volts DC working. In cardboard cartons with flanges. Long

		coded le	ads.
No.	Mfd.	Size, Ins.	Each
K1379	4	43/8x13/8x 3/4	\$0.53
K1321	8	4 1/6 x 1 3/6 x 1	.68
K1380	16	41/4x19 mx15 m	1.03
K1381	4-4	4 1/0 x 1 3/0 x 1 3/10	.85
K1322	8-8	41/6x13/6x11/6	1.06
K1382	8-8-8	41/8x2 x2	1.56
			_

"EB" Dry Electrolytics

	Standard		
	trolytics		
		ls. All in 45	
5	aluminum	cans fitte	ed witl
	mounting	nut. Con	dense
1	sections	complete	ly was
*		i double ag	
	be mounte	ed in any p	osition
16	either abo	ve or belov	v panel
	450 Volt D	.C. Wkg.	
lo.	Mfd.	Diam.	Eact
1323	8	136"	SO 70

"EZ" Universal Mtg. **Dry Electrolytics**



Popular low cost replacements. Have feet to replace inverted can or spadelug types, or can be used beneath chassis by means of the center strap. Unused mountings can easily be cutoff. Sealed in moisture-proof

cardbo	ard tub	es, with	8" leads	3.
No.	Mfd.	Vits.	Size	Each
No. K1326	16	250	1 x212	\$0.53
K1327	8	450	36x234	.44
K1328	16	450	11 xx234	. 65

Dual Units, Common Neg.

l	K1215 K1216	30-30 50-50	150 150	1 x28/4 1 x31/4	1.03
Į	K1198	8-8	450	1 x31/2	.76
ĺ	Du	al Units,	Sep.	Sections	
ı	K1217	16-16	250	13/8×33/4	1.18
ı	K1218	16-16	350	13/8848/4	1.29
ı	K1329	8-8	450	13 8x3	.97
	W1220	0 10	450	13	

		- Charle	
Triple Unit	e Carm	man M.	0.00
	s, com	HOIL EA	aR.
K1258 24-16, 20	150, 25	1 +3	1.03
K1332 30-10, 20	150, 25	1 x3	1.03
K1259 40-20, 20	150, 25	17/6X3	1.06
K1333 30-20, 10	150	11/8×23/4	1.06
	100	17 BALTA	1.00
K1260 40-20-20	150	136x3	1.18
K1261 15-10, 20	350, 25	11/4x31/2	1.18
K1335 20-10,25			1 20
W 1999 50-10'59	400-350,	1787073	1.32

		80		
Tri	ple Unit	s. Sep.	Section	s*
	8-8, 20		13%x3	1.09
	16-16, 20		13/8×3%	1.41
K1272	8-8, 20	350, 25	13/8×33/4	1.06
	16-16, 20		13/8×43/4	1.50
K1338			13/8×33/4	1.18
	8-8-8			1.18
K1275	8-8-8	450	13gx334	1.32
Quad	ruple U	nit, Co	mmon f	Veg.
	30-20,		13/16x23/4	

K1341 30-20 150, 25 13/6x23/4 10-10 * First section separate, others common 51.21 negative.

"DT"

Halowax nated.



laminated Kraft tissue, Wax impregnated tube, wax-potted ends, oil-cooled. Conservative DC rating.

	400 V	olts [D.C. W	kg.	
No.	Mfd.		No.		Each
K1221	.01	12c	K1228	.06	15e
K 1222	.015	12c	K1229	.1	15c
K1223	.02	12c	K1230	2	18c
K1224	.025	12c	K1231	.25	18c
K1225	.03	12c	K1232	.5	27c
K1226	.04	12c	K1233	1.0	35c
K1227	.05	12c			
	600 V	olts [.C. W	kg.	

K1641	.00	140		
	600 Vo	Its D.C. W	kg.	
K1234	.0001	12c K1247	.02	12c
K1235	.00025	12c K1249	.03	15c
K1237	.001	12c K1250	.04	15e
K1238	.002	12c K1251	.05	15c
K1240	.004	12c K1252	.06	18c
K1241	.005	12c K1253	.1	18c
K1242	.006	12c K 1255	.25	27c
K1245	.01	12c K1257	.5	35c

1600 Volts D.C. Oil impregnated units especially de-

signea	ior au	ito rac	110 use.		
No.	Mfd.	Each	No.	Mfd.	Each
K1262	.005	27c	K1269	.03	27c
K1264	.007	27c	K1270	.04	29c
K1266	.01	27c	K1271	.05	32e
K1268	.02	27c			



PE-CH & PE-B Paper Dielectric Capacitors





| PE-CH 1000V. Test 450V. Whg. No. R-Mfd. A-Mfd. Size Each K1281 4 2 49x119x14 52c K1282 8 314 49x119x14 52c K1283 8-8 234x2194 49x119x114 \$1.35 PE-CH 1200V. Test—600V. Wkg.
K1284 4 2 434x134x134 85c
K1285 8 3 434x134x134 1.15
K1286 8-8 234x234 434x2x132 1.88 1.23

R-Mfd = Value of electrolytic con-denser to be replaced. A-Mfd =

C-D Molded Micas





Compact mica condensers in molded bakelite housings. With wire leads. Individually tested; will give dependable service. Type 1W (fig. A) is 34x34"; type 5W (fig. B) are only 500 volts DC working except sizes higher than .003 mfd. which are 600 volts test, 300 volts DC working.

No.	Mfd.	Fig.	Each
K1355	.00001	В	15c
K1356	.00002	В	15c
K1357	.000025	В	15c
K1358	.00005	В	12c
K1359	.0001	В	12c
K1360	.00015	В	12c
K1361	.0002	В	12c
K1362	.00025	В	15c
K1363	.0005	В	15c
K1364	.001	A	18c
K1366	.002	A	24c
K1367	.003	A	29€
K1372	.004	A	32c
K1373	.005	A	35c
K1374	.006	A	44c
K1377	.01	A	53c

We carry a full line of all Cornell-Dubilier products. We can sup-ply any C-D condensers not listed in this catalog at lowest

· SMALLER SIZE · HIGHEST QUALITY · FOR EVERY REPLACEMENT

Dry Electrolytic Cardboard Carton Filters



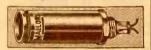
Compact impregnated cardboard carton units with universal mount-ing flanges. Insulated leads. Inter-nal metal shield. Hermetically sealed as a guarantee against mois-ture absorption; ideal for use under tropical conditions. 450 V. wkg.—525 V. peak

CS—Single Sections

Stock Can

A COURT	Creise		
No.	Mfd.	In.	Cost
K3862	4	%x 7/8x27/6"	\$0.53
K3864	8	%x1 x27/6"	. 68
K3854	16	1 x114x276"	1.03
CM	-Sep	arate Secti	ons
		arate Secti	
CM- K3887 K3889	Sep	34 x13/4x25/4" 13/4x1 x25/6"	.85 1.06

Inverted Can Type **Dry Electrolytics**



A high quality line of compact filter a night quanty line of compact inter-condensers. All are housed in round cans, and are furnished complete with a painut and a flat washer. All have 8" color coded insulated leads. Shpg. wt. each, 8 oz.

T VI	oe K5-	-Single	Section	ns
Stock	Cap.	Wkg.	Size	Your
No.	Mfd.	Volts	In.	Cost
K4033	50	25	23/4×1	\$0.76
K3917	8	250	284×1	. 68
K3918	12	250	234x1	.79
K4031	30	250	314x1	1.06
K4034	50	300	3%x1%	1.94
K3920	8	450	23/4×1	.76
K3921	12	450	23/4×1	1.00
K4032	16	450	31/2x1	1.12
Type	RN	Commo	n Nega	tive
			2-1	

K3923 K3925	8-8 4-8	250 450	3x1 3x1	1.03
Type			te Sect	
K3931 K3932	8-8-16 8-16-16	250 250	312x13/8	
-				
K3933	4-8	450	3x13 8	
K3934 K3935	8-8 N-R-R	450	3x13/8	1.15

MALLORY-YAXLEY Encyclopedia, 4th Ed.



only

Here is the book that is invaluable to repairmen everywhere. Contains complete data on over 27,000 sets, and furnishes the correct answer to practically all service problems en-countered in day to day work. Over 400 pages of data on i.f. peaks, voland pages of data on 1.1. peaks, voltrators, tubes, circuits and original part numbers on vibrators, controls and condensers. Should be in every serviceman's shop. Shpg. wt. 2 lbs. K19786

"BB" Ultra-Compact Tubular Dry



Electrolytics

Ideal for use where space is limited.
All are full rated capacity, have low power factor and leakage. Maximum voltage protection. Hermetically sealed in tubular metal vented containers with cardboard outer tube.

Made with famous FABRICATED PLATE. All 13/8" long.

Stock	Cap.	Wkg.	Diam.	Your	Stock	Cap.	Wkg.	Diam.	Your
No.	Mfd.	Vlts.	In.	Cost	No.	Mfd.	Vlts.	In.	Cost
K848	10	25	11/4	50.29	K989	8	250	11/16	\$0.35
K875	25	25	11,2	.35	K990	12	250	13/4	.47
K876	50	25	11/4	.44	K991	16	250	13 16	.53
K986	5	50	11.4	.29	K883	4	350	11.16	.35
K987	10	50	11/4	.32	K884	- 8	350	13/16	.41
K877	4	150	11,16	.29	K885	12	350	13.16	.50
K878	8	150	11/16	.32	K886	16	350	15/4	.59
K879	12	150	11.7	.35	K887	4	450	11/4	.41
K880	16	150	11,7	.41	K888	8	450	13/16	.44
K881	24	150	13/16	44	K889	10	450	13/6	.50
K882	30	150	13/4	.47	K992	12	450	15,4	.53
K988	40	150	15,16	.47	K993	16	450	15,7	.65

Any Mallory item not shown here can be supplied promptly at the standard discount of 40 and 2% from the list price.

Universal Replacement **Dry Electrolytic Condensers**

Types SR and UR. Compact, sturdy units designed to replace original manufacturers parts exactly. From the listing below, types for the most popular radio receivers can be selected. All are moisture proofed and have low power factor.

100000						
No.	Type	Cap. Mfd.	Wkg. Vits.	Container	Size In.	Each
K3956	URI80	8-8	250-350	Carton	11/ax11/ax21/4	\$0.94
K3957	UR181	3-2-1-1	450	Round Can	13/8×23/4	1.50
K3958	UR182	5-25-10	150	Carton	13/6x13/6x23/6	1.15
K3959	UR183	4-4-4	150	Carton	5/8x11/4x21/4	.97
K4069	UR192	20-20	150	Carton	136x136x236	1.18
K4070	UR193	5-8-16	150	Carton	1 x11/4x21/2	1.29
K4071	UR194	16-12	200	Card. Tube	13/4×31/4	1.12
K4075	SR605	8-8	350	Round Can	13/8x31/8	1.12
K4077	SR607	6-4-6	300-300-12	Carton	11/6x12/6x27/9	1.12
K 4079	SR609	8-8-25	400-400-25	Round Can	13 8x24	1.50
K 4080	SR610	8-8-25	400-400-25	Carton	1%x1%x23%	1.35
K4081	SR611	8-8-25	300-300-25	Carton	2 x2 x21/2	1.32
K 4091	SR617	16-16-10	150-150-25	Round Can	13/4×23/4	1.38
K 4086	SR619	5-5	35	Carton	%x %x134	.53
K4092	SR621	8-16, 5-5	200-50	Tube	13/8x23/4	1,53
K4085	SR646	1000	3	Tube	7/8×25/8	1.23
			50 (AC)	Tube	1 325%	1.06
K4087	SR647	70	DU (AU)	1000	1 12%	1.00

HEAVY DUTY (HD) AND HIGH SURGE (HS) TYPES

Especially designed for public address and theatre applications; where extra safety factor is desirable. Round cans (*) or Rectangular cartons. (†)

aute.	reound c	ans (.) 01 106	Cuali	Ruiai	Can con	
No.	Type	Mfd.	Wkg. V			, ln.	Each
K 4053	HD682†	8	500 (550	P.)	II wall	18x236	\$1.06
K4054	HD683*	8	500 (550	P.)	1 x3	18	1.23
K 4095	HD684*	8	450 (525	P.)	3% x1	3/8	_ 76
K4096	HD685*	8	450 (525	P.)	436x1	3/8	.76
K4097	HD686*	8-8	450 (525	P.)	43mx1	1/2	1.18
K4057	HS692 †	8	600 (700	P.)	Maxl	3x3	1.73
K4058	HS693 *	8	600 (700	P.)	13/8×4	1/4	1.85
_		_		_	_		



Type FP "Fabricated Plate" **Metal Cased Dry Electrolytics**

New, exclusive Mallory development—now being used extensively by the large radio set manufacturers. Features: compact size; round cans with lug terminals (coded); improved power factor for better filtering; long-life; new, improved sealing prevents deterioration due to heat or humidity—yet condenser will vent under overload.

ı	No.	Mfd.	Wkg. V.	1n.	Each	No.	Mfd.	Wkg. V.	ln.	Each
П	K3655	30	150	3x3/4	\$0.50	K3666	40-20-20	150-150-25	2x1	\$0.85
П	K3656	20	250	3x3/4	.50	K3667	15-15-40	250-250-25	2x1	.85
Ł	K3657	15	300	3x3/4	. 47	K3668	10-10-20	450-450-25	2x1	.94
Ł	K3658	10	450	3x3/4	.53	K3669	20-20-20	150	2x1	.85
Ш	K3659	15	450	2x1	.71		40-20-20		2x13	1.15
н	K3660	20	450	2x1	.79	K 3670	10-10-10	450	3x1	1.12
ı	K3681	80	450	3x13%	1.73		40, 40,)	150-25	2x13/	1.18
ш	K3661	20-20	150	2x1	.71		30-20			
Н	K3662	30-30	150	2x1	.79	K3672		450-350-25	3x13/	1.32
	K3663	20-20	250	2x1	.79		15-20		,	
	K3664	10-10	450	2x1	.85	K3673	15-15.	450-25	2x13/	1.35
			450	3x1	1.18	Moore	10-20	100 20		
	K3665	20-20		3x13/8	1.88		10-20)			- 1
	K3680	40-40	450	OX128	1.00					

		Mounti	ng Plates For Abo	ve Condensers	_
For	3/4"	dia. cans	K3674—Bakelite	K3677—Metal	Any Type
For	1"	dia. cans	K3675—Bakelite	K3678—Metal	20
For	138"	dia. cans	K3676—Bakelite	K3679—Metal)	J ea.

"TP" Paper Tubulars



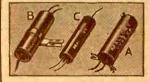
Oil treated non-inductive units, wax filled and impregnated. All triple sealed. Not affected by humid climatic conditions. All have wire leads. Mfd. Volts

Each

190

K3897	.02	400}	14
K3898	.05	400	
K3899	.1	400	15c
K3818	.2	400)	
K3900	.25	400	18c
K3901	.5	400	26c
K3819	1.0	400	35c
Maora	1.0	400	
K3902	.0001	600)	
K3903	.00025	600	
K3904	.0005	600	
K3905	.001	600	-
K3906	.002	600	12°
K3907	.005	600	
K3908	.006	600	
K3909	.01	600	
K3910	.02	600	
K3820	.03	600	
K3821			15°
	.04	600	
K3911	.05	600	
K3912	.06	600)	18c
K3913	.1	600	
K3914	.25	600	26c
K3915	.5	600	35с
K3823	1.0	600	59c

Universal Mounting Compact Dry Electrolytics



Ultra compact units ideal for use in midget A.C.-D.C. sets. Type A has insulated leads at one end and has universal mounting tabs; Type B has insulated leads both ends and an adjustable mounting strap; Type C has bare wire leads both ends.

	Single	Units-	-Fig. A	
No.	Cap.	Wkg. V	. Size	Each
K4115	8 Mfd.	250	7/8×21/2	\$0.35
K4116	16 Mfd.	250	7/ax21/2"	.53
K4119	8 Mfd.	450	78x21/2"	.44
K4121	16 Mfd.	450	15/6×28/4"	.65

Duals, Common Neg. K3945 10-10 Mfd. 25 3/8x K3947 10-10 Mfd. 50 13/6x

Dual	s, Co	mm	on	NegFig.	B
K4122	4-4	Mfd.	150	Uwx134"	.50
K4123	8-8	Mfd.	150	3/x13/4"	.59
K4124	16-8	Mfd.	150	3/4 = 23/4"	62
K4125	16-16	Mfd.	150	3/4×23/4"	.68
K4126	20-10	Mfd.	150	34x214"	. 68
K4127	20-20	Mfd.	150	18/6x21/4"	.76

Duals, Common Neg.—Fig (4128 8-8 Mfd. 250 %x2½" (4130 8-8 Mfd. 450 ½x2¾"

Dual	s, Comm	on P	osFig.	B
K4131	8-8 Mfd.	150	3/4×23/8"	.71
K4133	8-16 Mfd.	150	13/6x28/8"	.79
K4134	16-16 Mfd.	150	7/8×23/8"	.88
K4135	20-20 Mfd.	150	38x23/8"	.97

Duals, Sep. Sections—Fig. A 4136 8-8 Mfd. 250 1x11/4" .79 4138 8-8 Mfd. 450 11/4x21/4" .97 4139 8-16 Mfd. 450 11/4x31/2" 1.18

Trip	le Units-	Comm	on I	Neg.
No.	Mfd.	Wkg. V.		
K3687	16, 10-10	150-25	В	\$0.88
K3688	16, 16-20	150-25	В	.97
K3690	16-8-4	150	В	.85

Triple Units Separate Sections 450-25

Condensers at New Low Prices QUANTITIES

General Purpose Dry Electrolytics





our limited supply lasts. All are brand new and accurately rated. Three popular types are avail-able, as

11	ustra	ted.	Shpg.	wt.	8 oz.	
		DEC	TANK			

R	RECTANGULA	R FLANGED CART	ONE /TYPE A			
Stock N	lo. Cap. Mfd.	Wkg. Volts	Dimensions	Each		
K3200	8	450	3 x 1/4x 1/8"	19c		
K3201	8-8	450-450	3 x11/x11/4"	33c		
K922	4-10-10		2½x1 x1¾"	80		
K3202	16-8-5-5	200-200-25-25	3 x1 1/x1 1/4"	34c		
K3204	16-16-8-5-5	200-200-200-25-25	3 x1 1/x1 1/4"	39c		
UPRIGHT TUBULARS LESS CLAMP (TYPE B)						
K681†	8-8	250-20	3%×1%"	24c		
K995‡		25-25-25	25/8x 1/8"	24c		
K743‡		250-250	416x116"	24c		
† Metal	Tube ‡	Fibre Tube	-/8/8			
FIBRE TUBE WITH SPADE LUGS (C)						
K696	8-8	475	3½x1¾"	32c		
K689	14-18-10-10	175-175-35-35	3½x1¾"	30c		
K 692	16-8-5-5	175-175-35-35	3 x13/8"	30c		
K694	16-16-8-5-5	175-175-175-35-35	3½x1¾"	34c		

High Voltage Tubular Dry Electrolytics



Ideal for replacement of aluminum can units: also replace the now hard to get wets. All housed in cardboard containers, perfectly sealed, and provided with insulated leads. Mount in same hole as old units; have three 6-32 studs (with nuts) and fibre mounting washer. All 475 volts wkg., 600 volts peak.

	11/8" Dia.	34" M	Itg. Neck
--	------------	-------	-----------

	140'	Cap. Mid.	Cacn
34c	K 2371	8	CO AR
20-	*****		
336	K2372	8*	1.24
	K2373		
	M23/3	12	66
24c	K2374	16	74
246		10	
240	K2376	30	88
		40	
24c		40	. 1.12
	K2379	8-8	76
	600	Volts wkg., 700 v. p	eak.
22-	4 //	PAT- 5// BEA- BI	
		Dia. 5/8" Mtg. Nec	
30c	K2380	8	SO AA
3UC	K2381	12	54
24-	K2382		
346	M4304	16	64

New! Plastic Cased Dry Electrolytics

They're new! Gleaming plastic replaces aluminum to bring you new beauty and even greater efficiency. Designed for inverted mounting on top of chassis; provided with palnut for mounting. All are 100% moisture proof and will withstand extremes of heat sulated wire leads for direct connection. All are rated at 450 volts d.c. rated at 450 volts d.c. wkg.; 600 volts peak. Mounting not supplied.



1%x31/5".

Stock No.	Cap. Mfd.	Your Cost Each
K2383	8	\$0.59
K2384	10	.73
K2385	12	
K2386	16	
K2389	20	.94
K2390	24	
K2391	30	1.10
K2393	35	1.15
K2394	40	
K2395	8-8	

Kit of 25 Tubular **By-Pass Condensers**



Contains 25 popular tubular pass condensers, are of standard capacity and working voltage. Capacities range from .002 to .1 mfd. Shpg. wt. 2 lbs.

Your Cost, Kit of 25.

Mounting Clamps





K936—(A) For condensers from 1" to 1¼" dia. 2½c
Your Cost
K937—(B) for 1¼" to 1½".
Your Cost. 21/2° 40



These compact high-capacity tu-bulars are used in almost all of the new '3-way'

combination portable radios. comountion portable radios.

Overall dimensions: 1½" long by

½" diameter. Tinned leads.

K697—50 mfd.—50 V 12c

K698—100 mfd.—50 V 15c

K699—200 mfd.—50 V 18c

High Capacity Tubulars

8 Mfd., 350 V. Tubular

4-4 Mfd. 150 Volt Wkg. **Tubular Electrolytic**

Similar in appearance to the above unit, but 4-4 mfd., 150 volts d.c. wkg. Wire leads. K677—Each 28c

Midget Metal Cased Dry Electrolytics



Very compact dry elec-trolytics in round cans with lug terminals. Can negative. All self-mounting; have metal tabs that can be bent back under the chassis to hold the unit firmly. A last minute purchase of a quantity of these condensers makes it

possible for us to offer them at unusually low prices. Buy now and SAVE. All are 3" long by 1" diameter (mounting plates listed below). K2408—20-20 mfd., 400-400 volts

53c **K2409**—20-20-20 mfd., 400-400, 25 volts d.c. wkg. 56° K2410-15-10-20 mfd., 400-400-25 490 volts d.c. wkg.

Mtg. Plates For Above K3358—Bakelite K3362—Metal3° each

Universal Tubular Drys



Will service about 90% of the small midgets on the market today. Each as supplied with mtg. bracket. All are 150 volts wkg., 200 volts peak.

Mfd. 20-20 30-20 Size 1x23/4" 1x23/4" Each 23c 26c 1x31/3" 40-30 30c

SPECIAL OFFER: By buying a Kit of 6 Condensers (2 each of the above), you SAVE! \$1.49

Tubular Paper By-Pass Condensers

Standard cartridge condensers with pigtail leads.



400 VOLTS (WKG.) Mfd. Each No.

K3507	.01	4c	K3510	.25	- 80
K3508	.05		K3511	.5	120
K3509	.1		K3526	1.0	180
	600 V	DLT	'S (WI	(G.)	
K3512	.001		K3517	.02	50
K3513	.002	4c	K3518	.05	60
K3514	.005	4c	K3519	.1	60
K3515	.006	4c	K3524	.25	80
K3516	.01	5c	K3525	.5	150

Mica Condensers







High quality mica dielectric units in molded cases, Types A and B have wire leads; type C has lugs. Color coded (not official R.M.A.). Buy now at these low prices. Limited

now at these low pitch quantities. K1035—,00015 mfd. (A) K1042—,00015 mfd. (B) K1008—,0003 mfd. (A) K1006—,00005 mfd. (C) K1036—.00005 mfd. (C) Any Above Type, Each 25 (any assortment) For

All units listed here are for sale only as radio replacement parts. We reserve the right to limit quantities when necessary

New! 2 Mfd. 600 Volt Wkg. Plastic Case Paper Condenser



In plastic tube. Inverted type, with palnut, for mounting on top or side of chassis. Completely moisture proof. Unit is oil cooled and molded in special oil proof wax to insure perfect sealing.

Insulated leads. Tested at 1800 V. D.C. 134x314".

\$1.05

Midget Dry **Electrolytic Condensers** COMPACT CARTONS 550 Volts Peak Diminutive electrolytics in all | standard capacities and working

voltage	s. In t	ubulars with	h long	No.	Mfd.	Size	Each
		r compact		K965	4	84 x2"	23c
		es and leads		K966	8	3/4x21/4"	25c
		ULARS		130	200 Vol	ts Peak	
				K957	8	5/8×23/8"	17c
		Its Peak		K958	12	%x2½"	18c
No.	Mfd.	Size	Each				
K954	8	7/8×1 7/8"	18c	K959	16	5/8×21/2"	20c
K955	16	1 x23/4"	29c	K960	20	3/4 x2 1/2"	22c
K956	8-8	1 x2 7/8"	29c	K961	4-4	3/4 x2 1/5"	18c
14330			250	K962	8-8	3/4 x23/6"	20c
	200 Vo	Its Peak		K963	16-8	34x23/8"	24c
K948	8	5/8×1 7/8"	14c	K964	16-16	34x23/8"	26c
K949	16	34x1 1/8"	20c	14304	35 Vol		200
K950	20	%x1 %"	22c	1/007			
K978	40	138x178"	25c	K967	5	%x2½"	11c
K310	40	1 78 7 1 78	230	K968	10	5/4x21/2"	14c
	35 Vol	ts Peak		K969	25	%x21/4"	16c
K951	5	3/2×13/4"	11c	K970	50	5/8×23/5"	22c
K952	10	36x17%"	14c	K971	5-5	%x21/5"	16c
K953	25	%x17/8"	16c	K972	10-10	5/8x23/3"	19c
11000	20	/8/1/8	-00		10.10	784472	-3¢



Electrolytics

Ultra compact. Wax impregnated cases 3" long by approx. 3%" thick. Tabs at each end take 6-32 screws. Can be bolted together.

Out De Di	Diced tog	CALCI.	
No.	Mfd.	Peak V.	Each
K2686	5	35	15c
K2687	5-5	35	16c
K2688	25	50	20c
K 2689	50	50	25c
K2690	4	200	16c
K2691	8	200	20c
K2692	12	200	20c
K2693	16	200	20c
K2694	20	200	25c
K 2695	2	550	18c
K2696	4	550	20c
K 2697	8	550	26c

Line Noise Eliminators

MALLORY Interference Filters



X-3 Plug-In Capacitive type for use between set Rated 5 amps. at

Z-2. Capacitive-inductive. 3 amps. at 110-220 v. 13/x23/4". 82° Each

W-7 Motor Type



Dual capacity unit for use on motor brushes or rings. Bracket for

ne. For moderate inmtg. to frame. terference. K12512 Each

W-11. Like above, for severe interference. 1%x3". terference. 1% K12513—Each 880

Heavy Duty Filters



LC-5. Induc-tance-capacity filter for severe nterference. Rated 110-220 V., 5 amps. Has cord and plug and receptacle. 2 1/8 x 3 x 3 1/2"

Case has flanges. high. Case has mys. 18.53 Shpg. wt. 8 lbs. \$3.53 LC-10. Same as above, but rated 110-220 V., 10 amps. \$5.64

DeLuxe "Plug-In"

Z-6. A dual inductance-caprovision for return lead to



ground. Rec-ommended for suppressing severe ommended for suppressing severe interference. Rated 110-220 volts, 3 amps. Use at radio or noise source. 1½x3½s". \$1.23

Heavy Duty Type LB Industrial Filters

For use with equipment that is permanently con-nected to the power line or which draws 10 amps. or more. Contain capacitors and standard type



boxes. Installation is made by cutting the power line as close as practical to the offending device, and inserting the proper LB filter in series with the line at this point. Connections are made by splicing inside the cut-out box. For 110 or 220 volts AC or DC.

Amps. Size Wt. Each 10 6x 6x4" 12 lbs. \$8.47 20 10x10x6" 18 lbs. 19.76 40 12x10x6" 25 lbs. 24.70 No. K12517 K12518 K12519

AEROVOX Interference Filters



For fractional h.p. motors. Bracket for mtg. 5 mfd. capacitors. Flexible leads. 1x23/8 K4852-

IN-27



Small capacitive type for use between set and outlet. 1%x1¾". Keeps noise out of line and wiring. Shpg. wt. 1 lb.

K4801-Your Cost Each

47° IN-29



Affords greater filter action than IN-27 and 28. Ideal for electric razors. 1 3/4 x23/4". Shpg. wt. 11b K4803—

Your 53° Cost



IN-30 Similar to the IN-29 listed above, but handles more severe interference. Plugs between noisy ap-pliance and outlet or between the set

and the outlet. Only 13/4×23/4". Wt. 1 lb. K4804-Your Cost Each.

0

IN-31 Plugs between at-tachment cord and electric outlet of either set or appliance. Provides additional inductance hetter filtering

K4805-Each

for bette. 13/4x23/4". \$1.06 Antenna Substitute

ANT-32



average wiring conditions 13/4x 710 -Your Cost Ea.





Overcomes most serious cases of radio Interference. Combined capacitive and inductive filter. capacitive and inductive litter. Plugs into electric outlet; set or appliance plugs into receptacle. For 110-220 volts, AC or DC. Size: 4x2½x3½". With cord and plug. Wt. 3 lbs. \$3.35

TACO All-Wave Filter

De Luxe Model 100

An effective capacitive-inductive filter designed for radios and ap-pliances drawng no more han 200 watts

at 120 volts AC or DC. Eliminates short-wave and ultra-high frequency bands. Brown metal case 4x4x5" with receptacle, cord and plug. Wt. \$4.41

K12505-Each

Standard Model 104

Eliminates noises en-Eliminates noises entering through power line. Capacitive-inductive. In round metal housing 3½% With cord and plug. For 110-250 volts AC or DC, Max. 200 watts. K12506 Each



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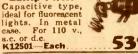
SPRAGUE IF-21 Filter

Metal cased dual condenser filter For use across brushes of small motors, etc. 23/6x1" dia. 6" leads.



710 K12441-Each **IF-24 Fluorescent**

Lamp Filter Capacitive type, ideal for fluorescent



Plug-in "Filternoys"



mfd. condenser bakelite plug-in coupler. Diverts noise caused by lamps, vacuum cleaners etc. K12502—Each. 35°

LAFAYETTE DeLuxe Power Line Filter

Inductive-capacitive type that can be attached at radio or at the source of interference. Eliminates line disturbances caused by fans, razors, refrigerators, dental machines, drills, motors, household appliances, etc. Contains two high capacity condensers and two high "Q" chokes. Effective on broadcast, short-wave and high frequency bands. Rated 3 amperes at 115 volts a.e. or d.c. In black bakelite case with long rubber covered cord and plug. Has binding post for ground connection. Wt. 3 lbs. ground connection. Wt. 3 K12509—Your Cost Each \$1.95



Cornell-Dubilier "Quietones"

Each has plug end and receptacle, for connecting between noisy device and line

mg beeneen notes	at vice	College Harrow	
For These	Use	For These	Us
Adding Machines	IF-18	Cash Registers	1F-1
Addressing Machines	1F-18	Dishwashers	1F-1
Billing Machines	IF-18	Floor Polishers	1F-1
Dental Machines	IF-19	Food Mixers	[F-19
Dictating Machines	1F-19	Fans	1F-1
Drilling Machines	1F-19	Juice Extractors	IF-19
Washing Machines	1F-19	Massagers	IF-19
Air Conditioners	[F-18	Radios	1F-18
Auto Call Systems	IF-18	Refrigerators	1F-1
Barber Clippers	1F-21	Vacuum Cleaners	1F-6

F-18

IF-21. All-Wave capacitive-inductive filter.
For 110 V., 1.6 amps. max. In Walnut bakelite case. Shpg. wt. 2 lbs.

-Your Cost Each.
ike shows but f

K12495-K12495—Your Cost Each.

IF-19. Like above, but 5 amps. max.

K12494—Shpg. wt. 2 lbs. Your Cost Each.

IF-18. All-Wave capacitive-inductive filter. For 110 volts, 5 amps.
max. In Wainut bakelite case. Shpg. wt. 5 lbs.

K12493—Your Cost Each.

\$3.53 \$2.82

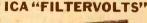


IF-19-21

IF-18

Special Type "Quietones"

F-22A. For use with Schick, Knapp Monarch, etc. shavers. Black bakelite case. Wt. 1 lb. \$1.26 K12496—Your Cost Each. If-22B. Like above, but for Packard, Zephyr, Remington-Rand, Ronson, etc. shavers. \$1.26 K12497—Your Cost Each. If-27. Capacitive-inductive filter for severe interference from oil burners, motors, etc. For 110 V., 5 amps. max. Steel box; flexible leads. K12498—Shpg. wt. 5 lbs: Each. \$3.17 IF-28. Same as above, but for equipment drawing up to 10 amps. max. Shpg. wt. 7 lbs. \$5.64





Intermediate Model (A)

Eliminates extremely noisy radio reception due to power line disturbreception due to power line disturn-ances caused by lights, electrical appliances, etc. Can be installed at set or at source of interference. Metal case has receptacle, cord and plug and ground binding post. Ca-pacitive-inductive type. Size: 4%x pacitive-inductive type. Size 3 1/4". Shpg. wt. 2 lbs. K12507—

\$2.35

All-Wave Model (B)

All-Wave Model (B)
Contains heavy duty R.F. chokes,
large filter capacitors and has "P1"
filter circuit arrangement. Eliminates noises caused by electric heating pads, irons, toasters, vacuum
cleaners, etc. Rated 250 wats, at
32, 110 and 220 volts a.c. or d.c. For
use with any all-wave or broadcast
receivers. Metal case 5x4x4%.
Has cord and plug and receptacle.
Wt. 5 lbs. Wt. 5 lbs. K12508 Each \$4.09



Model IF-7A Capacitive-in-ductive type heavy duty fil-ter for elimina-



ter for eliminating noises caused by motors, oil burners, diathermy machines, elevators, etc. In steel cutout box 6x6x4", with knock-outs for BX cable or conduit. For single phase 110-220 volts a.c. or d.c. at 5 amps. Wt. 9 lbs.

K12500—Each...\$5.29

WIRE-WOUND RESISTORS

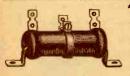
Trutest 5 and 10 Watt Resistors Wire-Wound



Tolerance Within 2%

These Trutest resistors are wound with genuine nichrome wire on fine ceramic tubes. Guaranteed accuracy 2%; most are within 1% of their rated value. When ordering, specify size desired.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	50	250	800	1500	2750	8000	20000
10	75	400	900	1750	3000	9000	22500
15	100	500	1000	2000	4000	10000	25000
20	150	600	1100	2250	5000	12500	30000*
25	200	750	1250	2500	6000	15000	40000*
* Avai	lable in	10-watt	size only	7.	7000	17500	50000*
K4438	-TRU	TEST 5	-Watt R	esistors			TEC
Your	Cost E	ach, An	y Size				.43
Your	Cost E	ach, An	y Size				.40



Trutest Semi-Variable Wire-Wound Resistors

Vitreous enamel coated. Adjustable lugs have small contact buttons so that several taps can be used without shorting out much resistance. Brackets and one slider furnished.

25 W	atts (2	x5/8")	50 Wa	tts (41	2×5/6")	75 W	atts (6	w5/#\
No.	Ohms	Each	No.	Ohms	Each	No.	Ohms	Each
K20740	1)		K20770	.100)		K20800	100	Eacn
K20741	2		K20771	200		K20801	200	
K20742	2 3		K20772	300		K20802	300	
K20743	5	- 1	K20773	400		K20803	400	
K20744	10		K20774	500		K20804	500	
K20745	20		K20775	800	LAC	K20805	750	
K20746	50		K20776	1000	00	K20806	1000	0-0
K20747	100	Maria Inc. 1	K20777	1500		K20807	1500	85
K20748	200	4-90	K20778	2000		K20808	2000	
K20750	500	44	K20779	2500		K20809	2500	
K20751	750		K20780	3000		K20810	3000	
K20752	800		K20781	4000		K20811	4000	
K20753	1000		K20782	5000		K20812	5000	
K20754	1500			<u>_</u>			0000)	Transfer and
K20755	2000		K20783	6000)		K20813	60001	
K20757	2500		K20784	7000		K20814	7000	
K20759	4000		K20785	8000		K20815	7500	
K20760	5000		K20786	9000	55	K20816	10000	000
		i	K20787	10000	720	K20817	15000	40
K20761	6000)		K20788	12000		K20818	20000	
K20762	7000		K20789	15000		K20819	25000	
K20763	8000	46°	K20790	20000			,	
K20765	10000	40	K20791	25000		K20820	300001	(4 40
K20795	15000)		K20792	30000	Acres 1	K20821	40000}	71 (1)
K20796	20000	EAC	K20793	40000	82c	K20822	50000	1.10
K20797	25000/		K20794	50000)		K20823	100000	1.22
K20825	-Extr	a sliders	to fit an	v of th	e above	rogistore	Ench	

Vitreous Trutest Resistors

Guaranteed plus or minus 10%. All are non-porous, dissipate heat rapidly, have positive lug contacts and do not change in resistance value. Each marked for



No.	Ohms	No.	Ohms	No.	Ohms	No.	Ohms
K4850	1	K4866	100	K4875	750	K4886	10000
K4854	5	K4868	150	K4876	1000	K4888	15000
K4856	10	K4869	200	K4879	2000	K4889	20000
K4861	30	K4870	250	K4880	2500	K4890	25000
K4863	40	K4872	400	K4881	3000	K4893	30000
K4864	50	K4873	500	K4883	5000	K4895	50000
Your C	Cost Ead	ch,			1	4c	5 For
Any Si	ze					U	75c

	20-44	att Ka	ting	SU-Watt %x4"				
No.	Ohms	Each	No.	Ohms	Each	No.	Ohms	Each
K4910	25		K4936	2500	1000	K 4958	100)	
K4911	50		K4938	3000		K 4959	250	
K 4913	100		K4940	4000		K4960	500	54°
K4915	200		K 4942	5000		K4963	1000	34
K4919	400	27C	K4943	6000	34	K4970	5000)	
K 4920	500	74	K4946	8000	5 For	K 4976	10000	
K4923	750	5 For	K4947	10000	\$1.42	K4979	15000	61°
K 4926	1000	\$1.42	K 4949	15000		K 4981	20000	OI
K4930	1500		K 4950	25000		K 4982	25000	
K4933	2000	1	K4952	50000		K4983	30000	70°
K4934	2250		K4892	100000	37cl	K 4985	50000	10



TRUTEST Ohm Indicator

Determines replacement value for burned out resistors. Wire-wound, cement coated. Test prods and test clips furnished. Easy to use.

SPRAGUE "KOOLOHM" Resistors



→ Guaranteed 5% Accuracy New Type of Coating
 With"Teledot"Indicator

No Shorted Turns

Employ new type, completely insu-

Employ new type, completely insurant restrength, withstands red heat, is impervious to moisture and conducts heat rapidly. Units are encased in tubular ceramic shells which permit mounting in contact with metal parts without shorting. A red "Teledot" on one end of unit acts as overload indicator, turning brown at 25 %, or

more overload and resuming its red color when overload is removed. Accuracy guaranteed ±5%. Non-inductive types show zero inductance up to 50 mc, and distributed capacitance is only 2 mmfd. All have pigtail wire leads.

STANDARD FIXED

Ohms	Ohms	Ohms	Ohms
10	250	2500	20,000
20	300	3000	25,000
25	400	5000	30,000
30	500	7500	40,000
50	750*	10,000	50,000*
75	1000	12,000*	60.000*
100	1250	12,500†	70,000*
150	1500	15,000	10,000
200	2000	17.500*	
			watt only.
T	5K-	IV	
No.	3M		
		Ohms	Each
K7513		10 to 5,0	000 24c
K7514		500 to 10,	000 27c
K7515		500 to 15,	
K7516		20,000	32c
K7517		25,000	41c
K7518		30,000	44c
K7519	1	40,000	50c
Type	10K-	10 Watts.	13/x13/6"
K7520	10	to 10M Ol	ams 27c
K7520		4, 15M O	
K7521		500 & 20,	
K7522		25,000	41c
K7523		30,000	44c
K7524		40,000	53c
K7525		50,000	59c
K7526			
K7527		60,000	73c
W1971		70,000	82c

STANDARD

ADJUSTABLE
Type 10AD—10 Watt. 1½x1½"
With adjustable clip.
Ohms Ohms Ohms Ohms 10 25 50 200 250 300 750 1000 1500 3000 4000 5000 150 500 2500 10,000 K7534—Any above Your Cost Each... 44c

NON-INDUCTIVE

	FI	XED	
		lo Watt. 1	
Ohms	Ohms	Ohms	Ohms
10	70	500	2500
20	80	750	3000
80	90	1000	3500
40	100	1250	4000
50	250	1500	5000
60	400	2000	7500
			10,000
Stock		Ohms	Each
K7528		10 to 1000	35c
K7529	12	50 to 2000	41c
K7530	25	00 to 4000	44c
K7531		5000	47c
K7532		7500	53c
K7533		10,000	68c

OHMITE Ohm's Law Calculator



One of the handiest items avail-One of the handlest items available. Solves any Ohm's law problem. Resistance range 0 to 10 megohms; finds volts, amperes, watts; multiples, divides, finds squares and square roots. Scales on both sides. 4½x9°.

K19711-Your Cost Each 10°

Filament Resistors



Dependable wire wound filament resistors, accurately rated. Have solder lug terminals and mounting feet. Available with tap at the electrical center or without any tap. Supplied in the following resistances only:
10,20,30,40,50,60 and 100 ohms. With Center Tap
K3999—Specify resistance desired. 10 For 71c.
Your Cost Each.

Without Center Tap K3998 Specify resistance K3998 Specify sired. 10 For 63c. Your Cost Each

IRC All-Metal Rheostats

All-metal units with die-cast aluminum case. Heat is uniformly distributed throughout the ele-Heat is uniformly distributed throughout the element regardless of percentage of element actually used. Flat clockspring (Silent Spiral Connector) gives positive contact between rotor arm and center connector, 25-Watt units 131,6" dia., 31,6" behind panel; 50-Watt units 23,6" dia., 13,6" behind panel Shny wt 2 lbs



hind pa	inel. S	npg. w	t. 2 lbs.
25-	-Wat	t Rhe	eostats
No.	Ohms	Amps	. Each
K9150	6	2.04	
K9151	10	1.58	
K9152	25	1.00	
K9153	50	.709	
K9154	75	.575	\$2.35
K9155	100	.500	4.33
K9156	250	.315	
K9157	350	.267	
K9158	500	.222	
K9159	750	.173	
K9160	1000	.155	\$2.65
K9161	1500	.129	4.03
K9162	2500	.100	
K9163	5000	.070	\$2.79

50-	-wat	Rhe	eostats
No.	Ohms	Amps	Each
K7746	6	2.88	
K7747	16	1.77	
K7748	50	1.00	
K7749	125	.630	\$2.65
K7750	225	.470	4.03
K7751	300	.407	
K7752	500	.315	
K7753	1000	.223)	\$2.79
K7754	2500	.140	4.19
K7755	5000	.100)	\$2.94
K 7756	10000	070	4.

Trutest R.M.A. Coded Carbon Resistors

Trutest 2-Watt Carbon Resistors



Heavy-duty carbon resistors, absolutely moisture proof. RMA color coded for easy identification; made of the finest material and workmanship. Guaran-

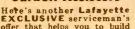
teed accuracy, 10% plus or minus.

The average are within 5%. Resistance values will not vary at normal voltage. Ideal for replacement across small voltage divider sections, bleeders, etc. Also, for public address amplifiers or for test instrument replacement. Size 2" L. x ½" 0.D.

	Stock		Stock		Stock		Stock
Ohms	No.	Ohms	No.	Ohms	No.	Ohms	No.
200	K4450	2500	K4460	10000	K4469	70000	K4479
400	K4451	3000	K4461	12000	K4470	75000	K4480
500	K4452	3500	K4462	15000	K4471	100000	K4481
600	K4453	4000	K4463	17000	K4472	125000	K4482
700	K4454	5000	K4464	20000	K4473	150000	K4483
800	K4455	6000	K4465	25000	K4474	200000	K4484
1000	K4456	7000	K4466	30000	K4475	250000	K4485
1250	K4457	7500	K4467	40000	K4476	300000	K4486
1500	K4458	8000	K4468	50000	K4477	500000	K4487
2000	K4459	0000		60000	K4478		Oc
Your C	ost Each	1					
12 For			89c	25 Fc	or		\$1.73

SERVICEMANS

1/2 & 1 Watt R.M.A. **Carbon Resistors**



offer that helps you to build profits! Our tremendous buying power makes this offer possible—stock up now and save! All are R.M.A. coded and held to acceptable tolerances. Specify stock number of type and

resist	ance de	sired.				
Ohms	Ohma	Ohms	Ohms	Ohms	Ohms	Ohms
100	900	6000	17500	70000	200000	11/2 Meg.
150	1000	7500	20000	75000	250000	2 Meg.
200	1500	10000	25000	80000	300000	21/2 Meg.
250	2000	12000	30000	90000	400000	3 Meg.
500	2500	12500	35000	100000	500000	5 Meg.
600	3000	13000	50000	125000	750000	
750	5000	15000	60000	150000	1 Meg.	
	-1/2-W	att Size		2c ea.	100	For .
		att Size		3	52	.60

KIT OF 100 RESISTORS: An assortment of 100 popular sizes. Contains (approximately): 25—1/4 watt, 25—1/4 watt and 50—1 watt resistors. All have R.M.A. color code. Shpg. K3852-Kit of 100, Your Cost

10-Watt Adjustable Wire Wound



High quality vitreous enamel coated adjustable wire wound units. Lug terminals. 1\%x\%" O.D.; with mtg. brackets. Specify resistance.

19	8	3	K4445-		
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms Each
10	50	150	500	2000	5000 25°
25	100	200	1000	2500	10000/45
K4446-	-Extra Slic	ler for ab	ove		Each 5c

Trutest INSULATED 1/2 & 1 Watt

*Porcelain Insulated Outer Shells *Low Drift



Improved, finer carbon resistors, with heavy molded insulating shells which make them impervious to moisture, heat and mechanical strain. Guaranteed accuracy 10%; average 5%. Ideal for congested wiring of receivers. Insulation permits resistors to touch each other without shorting. Half-watt units $\frac{1}{2}\sqrt{2}$ dia. One-watt units $\frac{1}{2}\sqrt{2}$ dia. RMA color-coded. Approximately 300 units to 1 lb.

Resis.	1/2-Watt	1-Watt	Resis.	1/2-Watt	1-Watt
Ohms	Stock No.	Stock No.	Ohms	Stock No.	Stock No
200	K4250	K4300	25000	K4274	K4324
300	K4245		30000	K4275	K4325
	K4245	K4348	40000	K4276	K4326
400		K4301	50000	K4277	K4327
500	K4252	K4302			K4328
600	K4253	K4303	60000	K4278	
			70000	K4279	K4329
700	K4254	K4304	75000	K4280	K4330
800	K4255	K4305	100000	K 4281	K4331
1000	K4256	K4306	125000	K4282	K4332
1250	K4257	K4307	150000	K4283	K4333
1500	K4258	K4308	200000	K4284	K4334
	-		250000	K4285	K4335
2000	K4259	K4309	300000	K4286	K4336
2500	K4260	K4310			K4350
3000	K4261	K4311	400000	K4247	K4337
3500	K4262	K4312	500000	K4287	
4000	K4263	K4313	750000	K4298	K4353
4000	144203	R4313	Megohms	1	1
5000	K4264	K4314	1	K4288	K4338
6000	K4265	K4315	1.5	K4248	K4351
7000			2	K4289	K4339
	K4266	K4316	2.5	K4249	K4352
7500	K4267	K4317	3	K4290	K4340
8000	K4268	K4318	4	K4291	K4341
9000	K4246	K4349	5	K4292	K4342
10000	K4269	K4319	6	K 4293	K4343
12000	K4270	K4320	7	K4294	K4344
15000	K4271	K4321	8	K4295	K4345
17000	K4272	K4322	9	K4296	K4346
20000	K4273		10	K4297	K4347
20000	K42/3	K4323	1 10	N4291	1/4241

1/2-WATT SIZE

Your Cost 50 \$3.55 12 For 100 For 45c

1-WATT SIZE

Your Cost Each. 12 For...5 56c 100 For \$4.45

Resistor Color Code

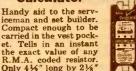
Indicator

Permits instant calcula-tion of the value in ohms of any R.M.A. color coded resistor. The circular rule

readings are accurate. Full directions are printed on the or.

-Your Cost Each. 10^c K19791—
Your Cost Each. indicator

CENTRALAB Resistor Calculator



et. Tells in an instant the exact value of any R.M.A. coded resistor. Only 4½" long by 2½" wide. Complete instructions printed on the calculator.

FREE: Either calculator above supplied FREE with orders for 24 or more Trutest carbon resistors. Specify type desired.

OHMITE Power Rheostats



Rheostats are wire, wound on is fused to a porcelain base by is tused to a porcelain base by vitreous enamel which locks each turn in place and also conducts away the generated heat. Surface upon which the contact rides is flat. Contact shoe is of copper-graphite

(silver-graphite on heavy current models). A single hole mtg.; %" bushings for panels up to 1/2 thick. With knob. Depth: "H", 11/4" "K", 13/4" Model 1. 25 Watts (13/4" dia).

. 10		AABLES (TAR	
No. Ohn	ns Each	No. Ohms	
K8362 2		K8370 175	
K8363 6		K8371 250	SA 25
K8364 10		K8372 500	\$2.35
K8365 15	CA	K8373 1000	
K8366 25	\$2.35	K8374 1500	SO LE
K8367 50		K8375 2500	\$2.65
K8368 100		K8376 3500	
K8369 125		K8377 5000	
	del K-100		
K8378 10		M 8383 500	\$4.12
K8379 25			
K8380 50	P4 1 74	K8384 1000 K8385 2500	44.41
K8381 100	احتراب علا	K8386 5000	\$4.70
K8382 300			0 55.29
M0304 300	,	MO301 10,00	0

HARDWICK-HINDLE 25-Watt Rheostats



K8970

2500

Each element is wound on a placed in a re-fractory base which is embedded in vitreous enamel.

%" bushing and nut for single hole wounting; depth behind panel 1%"; base diameter 1%"; ¼" shaft; rotation 285 degrees. All rated 25-watts maximum. Have screw terminals. Furnished with knob.

Stock Resis. No. Ohms Max No. K8963 10 1.58 K8964 K8965 .706 .500 .316 .222 50 K8966 K8967 100 250 K8968 K8969 500

CENTRALAB Power Rheostats

Ideal for use as motor speed controls, charging rate regulators, and many charging rate regulators, and many other applications. All metal frame; core insulated with treated asbestos. Wire wound. All for single hole mounting; knob supplied. Diameter 2"; bushings 12", 10" ong. Depth behind panel: 25 watt units 14", 75 watt units 14". All have tinned solder lug terminals for easy connections. Shpg. wt. 1 lb.



23-	watt	OHILLS	30-	watt	OHILLS
G4 1	n	**	No.	Ohms	Each
Stock	Res.	Your	K8987	25)	
No.	Ohms	Cost	K8988	60	
K8977	21	Each	K8989	150	54 47
K8978	2 6		K8990	500	51.47
			K8991	1000	- 10 1 2
K8979	15		K8960	2500	
K8980	50				
K 8976	100	C4 4A	K8992	5000)	
K8981	150	§1.18	75-	Watt	Units
K8957	250	1110			011110
K8982	400		K8995	50)	
			K8996	150	(4 70
K8958	500		K8997	300	'I / h
K8983	1000		K8998	500	1.10
K8984	5000				
140304	00001		K8999	1000	

100

BIR 44 K4 (0) RX4



Type BT Insulated Resistors Type F Metallized Resistors

I(R)C 5,000 DHMS



An all-purpose line of high quality units for all radio work. Type BT employ the famous metallized element sheathed in an overall covering of moisture proof phenolic compound. Type F are the original famous Metallized units housed in Isolantite. Both types are non-inductive. Have pig-tail wire leads. Tolerance ±10%.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohma	Ohms	Moon
1	100	600	3000	10000	30000	125000	Megs.
2	150	750	3500	11000	35000	150000	1.5
3	200	800	4000	12000	40000	200000	2.0
5	250	1000	5000	12500	50000	250000	3.0
10	300	1250	6000	15000	60000	300000	4.0
15	350	1500	7000	17500	65000	400000	5.0
20	400	2000	7500	20000	70000	500000	6.0
25	450	2250	8000	22500	75000	600000	10.0
30	500	2500	9000	25000	100000	750000	20.0
50							

Specify Resistance Desired When Ordering

%x 1/6". 250 ohms up. K5206 10°	1½x½". 350 ohms up. K5207— 12° Each 12°	1 x 1/2". 500 ohms up. K5263 18c
11/-9// 50 ab-	1-Watt-F-1	2-Watt-F-2

118 x11 /2". 100 ohms 118 /2 18/4 ". 50 ohms to 20 megohms. 10c up. K5251—Each 12c 10 megohms. 18c K5250—Each 18c

"BW" Insulated Wire-Wound Resistors

Similar to the BT units listed above, but contain a wire wound element, completely encased in molded compound. Tolerance ±10%. Order sizes desired from tabulated listing above.

Specify Resistance Desired When Ordering

19-Watt-BW-19	1-Watt-BW-1	2-Watt-BW-2
%x %". 1 to 750 ohms.	1 1/4 x 1/4". 1 to 4000	134x54". 1 to 8000
K5298 4 6	ohms.	ohms.
K5298 10°	K5259—Each	K5299 - Each



Wire-Wound Variables

Preferred by servicemen and amateurs. Dissi-Preferred by servicemen and amateurs. Dissipate heat rapidly, withstand heavy overloads, have great mechanical strength. All (except 10 watt units) are supplied with a NEW highly improved contact band that has a stainless steel spring spot-welded to it. The Accuracy 5% stainless steel spring spot-welded to it. The spring carries a silver contact button on which the pressure never varies—no torn resistance wire, no corroded contacts. Band is threaded so that nut is not

required for the bolt. Mounting brackets furnished with all but the

Check this list with informa-tion given with each unit. Spe-

CILL !	Calaratica	ucsileu.	
Ohms	Ohms	Ohms	Ohms
5	250	2500	15000
10	500	3000	20000
25	750	4000	25000
50	1000	5000	40000
100	1250	6000	50000
150	1500	7500	75000
200	2000	10000	100000

Type ABA-10 Watts

(See list above). K5262— Your Cost Each	1	110
Your Cost Each K5213—Extra slider Your Cost	for	above
Each		.6°

Type DHA-25 Watts

4 72 X 78	. range t	up to za,uuu	onms.
(See list	t above).		
No.	From	To	Each
K5274	5	5.000	56c
K5275	6,000	15,000	65c
K5276	20,000	25,000	71c
K5214-		der (plain)	
W 5210	Eastern -12	der (piatti)	42

Type EPA-50 Watts 4½x¾". Available in sizes up to 100,000 ohms. See list above. Each

WILD DIS	ickets and	one silder.	
No.	From	To	Each
K 5286	5	5,000	\$0.88
K5287	6.000	25.000	.97
K 5288	40,000	50,000	1.12
K5289	75,000	100,000	1.29

Type ESA-80 Watts

6½x¾". Available in all sizes as listed at left (except 150, 1250 and 75,000 ohms). Each with brackets and one slider.

and one	anuer.		
No.	From	То	Each
K5196	5	5,000	\$1.15
K5197	6,000	25,000	1,29
K5198	40,000	50,000	1.47
K5199	100.000		1.62

Type HAA-100 Watts

61/2x11/3". Available in the follow-

THE LEGI	peatices.		
Ohms	Ohms	Ohms	Ohms
100	2500*	10000*	50000*
500*	5000*	15000	75000*
1000*	7500	25000*	100000*
No.	From	To	Each
K 5266	100	5,000	\$1.29
K5267	7,500	25,000	1.47
K5268	50,000	******	1.62
K5269	75.000	100.000	1.76

Type HOA-200 Watts 10 1/2x1 1/4". In sizes marked by

No.	From	To	Each
K5270	500	10,000	\$1.94
K5271	25,000	100,000	2.26

Extra Sliders

Both plain and silver contact types to fit resistor sizes listed.

	Size	Plain	En.	Silver	E-
	50-80W	K 5215	6c	K 5217	12c
8	100-200 W	MOZIE	30	N SZI N	150

WIRE-WOUND **POWER RESISTORS**



Machine wound on non-hygroscopic cores; cement coating.

Ohms	Ohms	Ohms	Ohms
1.	500° †#	4000° †#	15000° †#
5#	7500%.	4500	20000° †#
10#	1000*	5000*†#	25000°†#
254	1250°	6000#	30000#
50#	1500°†#	7000#	35000
75	2000° †		40000#
100°†#	2250	7500° †#	50000°+#
150	2500°†#	10000° †#	60000#
200#	3000#	12000#	75000° †#
250°†#	3500	12500#	100000°†#

Type "AB" 10-Watt Rating 30,000 ohms and over are 5 watts. 1½" long, ½" diam. Range up to 50,000 ohms (see list).

K5210-Up to 10,000 ohms. Each...29c

Type "DG" 20-watt Rating 60,000 ohms and over are 10 watts. 2" long, 1/4" diam. Range up to 100,000 ohms (see list).
No. From To Each From 1 K5211 15,000 41c 50c 20,000 K5290 60,000 100,000

Type "EP" 50-was Range 4\footnote{'1500} (image 100,000 ohms. Only in marked with (f) (see list). From To 5,000 Type "EP" 50-Watt (Max.) Range up to Each 71c 6,000 25,000 100,000 K5254 94c

K5294 30,000 100,000 Sec Type "HA" 100-Watt (Max.) 6\%" long, 1\%" diam. Range up to 100,000 ohms. Only in sizes marked with asterisk (see list). Each \$0.97 1.15 1.29 1.47 To 5,000 25,000 From K5260 K5261 K5234 100 5 7,500 25 50,000 ohms 75,000 ohms K5236

K5236 100,000 0mms

Type "HO" 200-Watt (Max.)
10 ½" long, 1½" diam. Range up
to 100,000 ohms. Only in sizes
marked with (†); see list.
No. From To Each
K5237 100 10,000 \$1.62

No. K5237 K5238 15 000 100,000



Precision Wire Wound Resistors



WW-1—2½x½" WW-2—2½½x½" Guaranteed accuracy 1%. These resistors are non-inductively wound. Winding is specially impregnated. Type WW-1 and WW-2 have ferrules with binding post terminals. WW-4 has lug type terminals.

Type WW-4

ı	Stock	Res.	Your	Stock	Res.	Your
1	No.	Ohma	Cost	No.	Ohme	Cost
1	K5125	200		K5136	30000)	
1	K5126	300	50c	K5138	40000	79c
ı	K5124	500	000	K5139	50000	136
ı	K5127	1000	53c	K5140		04-
1	K5128	2500	JUL	K5141	75000	94c
i	K5129	5000			100000	1.09
1	K5130	7500	59c		150000	1.38
1	K5131	10000	000		200000	1.38
ı	K5132	12500	65c	K5101	250000	1.53
ų	K5133	15000		K5102	300000	1.68
ı	K5134	20000	79c	K5122	400000	1.76
ı	K5135	25000	136	K5123	500000	2.00
ı		Penne			_	

		1	Гуре	WW-1
1	K5150	1)	100	K5148 15000 79c
۱	K5154	5	68c	K5171 20000)
	K5159	10	000	K5149 22500
	K5160	25		K5172 25000 94C
1	K5161	50	COa	K5173 30000
1	K5162	100	68c	K5176 50000
ı	K5164	200		1000000
ı	-			K5177 60000 1.12
ı	K5200	250)		
ı	K5204	400	COal	K5179 100000 1.23
ı	K5165	500	68c	
H	K5166	1000		K5181 150000 1.56
1	K5143	1500	COA	K5183 200000 1.56
۱	K5144	2000	68c	15540 + 0050 + 11
ı		2000)		K5184 225000 1.71
ı	K5167	2500)		K3183 230000)
ı	K5145	3000	720	K5190 275000
ı	K5168	5000	/3C	
١	K5147	7500	70	K5186 300000 1.85 K5187 400000
ı	K5169	10000	/3C	K5188 500000 2 15

Type WW-2

\$1.62 K5193 750,000 2.65 K5202 11/2 Meg. 4.41 1.94 K5194 I Meg. 3.09 K5115 2 Meg. 5.88

IRC Ultra High Range Resistors

Tolerance 10%. No surface leakage. Metallized ends, ceramic insulation 114x11/2". Max. volts 500.	
K5116—100 Meg	1.50
K5118—500 Meg 1.00 K5121—10000 Meg	2.00

IRC Parasitic Suppressor

Type NAB non-inductive wire-wound resis-tors (in each grid of driver or amplifier parallelled) prevent par-

asitic oscillations. 10 watts: 50 ohms. K5158 53° Your Cost

IRC Universal Bleeder Resistor

25,000 ohms tapped at 7500, 10,000, 12,500, 15,000 ohms. Rated at 18 watts attached flat to metal chassis. In-sulated 1000 V. to ground. 73s

Resisto-Cabinet

Resisto-Cabinet
Given FREE with any of the following resistor kits. Steel, four drawer
(7 compartments in each) cabinets
11x6½x5½". Blue and silver finish.
KIT No. 1

8 Type BT-½ half watt resistors, 37
type ABA 10 watt fixed resistors, 10type ABA 10 watt fixed resistors, 10type ABA 10 watt adjustable resistors. Total 59 resistors having list
K5281—Your Cost, Complete
KIT No. 2: Contains 100 type BT-½ half watt resistors plus FREE
cabinet. List value \$17.00. Shpg. wt. 7 lbs.
K5280—Your Cost, Complete.
KIT No. 3: Contains 83 BT-1 one watt resistors plus FREE cabinet.
List value \$16.60. Shpg. wt. 7 lbs.
K5282—Your Cost, Complete.
S9.76 value \$16.60. Shpg. wt. 7 l 2—Your Cost, Complete

Replacement Part Headquarters for Dealers and Service Men

NOTE: The listing below, due to space limitations, includes only such Mallory, IRC and Centralab volume controls as are most often-used in the most popular sets. Our stock includes the complete lines of these manufacturers and any volume control will be supplied at 40 and 2% discount from manufacturer's list price.

* Asterisk denotes original volume control is supplied with switch which replacement does not include. Switch should be ordered senarced volume control.

ATWATER KEN 7, 38, 40 series, 52, 53, 56, 57 7, 38, 40F, 52, 53 (Strip only) 5, 55C, 55FC, 60 (Late). 5, 55C, 55F, 60, (Strip only) 0, 60C, 70 (D & L Chassis) 2 (H Chassis) BOSCH 8, 29 8, 49 (Early). COLONIAL	K6656 \$0.29 K6604 1.47 K6657 29 K6604 1.47 K6605 1.47	Stock Your Cost K9212 \$0.88 K9230 1.47 K7801 1.47 K9167 1.47	No. Cos K8870 \$0.8
7, 38, 40 series, 52, 53, 56, 57 7, 38, 40F, 52, 53 (Strip only) 5, 55C, 55F, 56 (Strip only) 6, 60C, 70 (D & L Chassis) BOSCH 8, 29 8, 49 (Early) COLONIAL	K6656 \$0,29 K6604 1.47 K6657 29 K6604 1.47 K6605 1.47	K9212 \$0.88 K9230 1.47 K7801 1.47	K8870 \$0.8
7, 38, 40 series, 52, 53, 56, 57 7, 38, 40F, 52, 53 (Strip only) 5, 55C, 55F, 56 (Strip only) 6, 60C, 70 (D & L Chassis) BOSCH 8, 29 8, 49 (Early) COLONIAL	K6656 \$0.29 K6604 1.47 K6657 29 K6604 1.47 K6605 1.47	K9230 1.47 K7801 1.47	
BOSCH 8, 29 8, 49 (Early)		K9230 1.47 K7801 1.47	
BOSCH 8, 29 8, 49 (Early)		K7801 1.47	
BOSCH 8, 29 8, 49 (Early)			K8658 1.7
BOSCH 8, 29 8, 49 (Early)		K9167 1 47	K8657 1.7
8, 29 8, 49 (Early)COLONIAL	K6641 .88		K8954 1.4
8, 49 (Early)COLONIAL	K6641 .88		
COLONIAL		K922088	K8849 .8
	K6686 1.47	K7804 1.47	K8774 1.4
2AC, 32DC. 34, 439, 440, 441, 444, 493	К6686 1.47	K9166 1.47	K8786 1.4
34, 439, 440, 441, 444, 493		K9016 .88	K8852 .8
CROSLEY			
1A, 42, 602, 608, 609, 610, 704	, 706 K6693 .88 K6707* .59	K9412 .88 K9425 1.18	K8785 .8 K8677 1.1
24, 125	No10139	K9425 1.18	N80// 1.1
FADA			
11, 290, 291, 311 3, 761, 762, 764, 766, 767, KC	K6581 .88	K9192 1.47	K8882 .8 K8775 1.4
		K5152 1,41	nores 1.4
GAMBLE SKOG	MO		
-J		K7698 1.18	K8803 1.1
GENERAL ELEC	TRIC		
		K9031 1.18	K8853 .8
K64, K64, M65, A67, M68 K66, K66M, A70, K80, K85	K6545 .88	K9472 .88 K7736 .88	K8779 .8
	K 6694 1 47	K9190 1.47	K8905 1.4
70, F75, F81, F86 661, E62, E68, E71, E72, E76 E86, E91, E95, E101, E105, E	6, E81,	K7699 .88	K8853 .8
E86, E91, E95, E101, E105, E	C106 . K6586* .88 K6601 1.47	K9498 1.18	K8756 1.1
80, K62, J85, S132, JZ835.	K6636 .88	K9149 1.47 K9216 .88	K8813 1.4 K8693 .8
82, A86, A87 80, K62, J85, S132, JZ835 D50, D51, D52, D72 M51, M52, M55, M56	K6918* .59	K9497 1.18 K7736° .88	K8757 1.1 K8691 1.1
		121730 .00	1,0001
GENERAL MOT			
 130, 140 (Chassis A below No. 29100A; Chassis B 			
Serial No. 1700B)	K6610 1.47	K9188 1.47	K8899 1.4
20, 130, 140, 150 (Chassis A be No. 29100A and 62100A; Ch	assis B		-
between 1700B and 1964B), General	Little K6609 1.47	K9191 1.47	K8818 1.4
(Jeneral		K3131 1.41	K0010 1.4
	ERAL HOU		
A, 9A Chassis, 801, 901, 902. A, 6C, 6F Chassis, 650, 65	K6581° .88	K9485 1.18	K8695 1.1
661, 662	K6581° .88	K9445 1.18	K8688 1.1
G, 6G, 6J Chassis, 580, 581, 64 680, 681		K9479 1.18	K8698 1.1
MAJESTIC (GR	IGSBY-GRU	MOW)	
0, 51, 52 5, 251, 253, 254 (Early)	K6673° .59	K9420 1.47 K9221 1.18	K8903 1.4 K8799 1.1
5, 15B, 55, 56, 57, 58, 150, 15	1, 153, K6711° .59	K7780° .59	
0, 90B, 91, 92, 93		K7730 .59	K8797 1.1
MONTCOMERY	WARD (A	DIAMES	
MONTGOMERY 2-185, 62-186, 62-187, 62-190, 6		RLINE)	
7GM	K6611° 1.47	K9464 1.76	K8671 1.7
7, 95, 62-120, 62-122, 62-126, 2-166, 62-202	62-128 K6544 .88	K9164 .88 K9458 1.18	K8906 .8 K8790 1.1
	A / I		
MOTOROLA (G	ALVIN)	V.0.400	
0		K9480 1.18 K7700 1.18	K8761 1.1 K8762 1.1
9, 80 (Golden Voice)		K9481 1.18	K8762 1.1
PHILCO			

MA	LLORY	IRC	CRL					
	Stock Your No. Cost	Stock Your No. Cost	Stock Your No. Cost					
DUIL CO (Comtd.)		1101 0031	110. Cost					
PHILCO—(Contd.) 116-X (Code 122), 650, 655, 660, 665	K6586*\$0.88	K7795*\$0.88	K8994 \$1.18					
620, 625, 630, 635 816, 817, 826, 827, 827K, 828, Part Nos.: 33-5139, 33-5148, 33-5202	K6579* .88	K7794* .88	K8993 1.18					
No's.: 33-5139, 33-5148, 33-5202 Part No's.: 33-5121	K6789 .88	K9460 .88 K8962 .88	K8854 88 K8855 .88					
Part No's.: 33-5121 60, 66, 261, 264, 265, 505. 28 (AC-DC), 45 (AC-DC), 29, 245. 37-84 (Code 122), 84, 84B, 267E.	K6680° .59 K6547° .88	K9428 1.18 K9441 1.18	K9021 1.18 K9024 1:18					
37-84 (Code 122), 84, 84B, 267E 14, 14 (Late), 507, 18, 49, 118	K6740* .59 K6547* .88	K7713° .59 K7792° .88	K9020 1.18 K8975 1.18					
Part No's.: 33-5067, 33-5088 30, 96, 111, 111A, 112, 112A, 211, 212,	K6587* .88	K9470 1.18	K8837 1.18					
296	K6680* .59	K9181 .88 K7732* .59	K9019 .88 K9023 1.18					
37-116, 37-610, 37-623, 37-630, 38-3, 37-9, 37-10, 37-11, 37-611, 37-620, Part No's.: 33-5158, 33-5166								
Part No's.; 33-5158, 33-5166	K6579* .88	K9496 :88 K7794* .88	K8781 .88 K9022 1.18					
144, 506	K6547° .88 K6712 .59	K7787* .59 K7782 .59	K9025 1.18 K9015 .88					
86, 87, 511 NT-7 Nash; ST-7X Studebaker, T-7, NT-8 Nash, T-8, 806		K7703 .88	K8810 .88					
NT-8 Nash, T-8, 806 38, 38A (Battery) 38 (Code 121) 38-1, 38-2 (Code 121)		K7712 .59 K7701 .88	K8829 .88 K8856 .88					
38-5. 38-4, 38-7, 38-8, 38-9, 38-23 (Code 121)		K7702 .88 K7704 .88	K8856 .88 K8856 .88					
80		K7714° .59	K9026 1.18					
RCA								
5T, 8-U-2, 811-K, 6-K-2, T-6-1, C-6-8, 5-T-5, 6, 7, 8, Part No's.: 72291-46,								
72558-44, 13144 9K, 9-K2, 10-K, 10-T, 9U, 9-U-2,	K6586 .88	K9455 .88	K8798 .88					
812-K, Part No's.: 72558-42, 72558- 47 11205 12861	K6594 .88	K9495 .88	K8800 .88					
R-32, RE-45, R-52, Part No's.: 10450. R-14, R-15, RE-17, Radiola 42, 48,	K6698 1.47	K9195 1.47	K8911 1.47					
	K6694 1.47	K9190 1.47	K8905 1.47					
R-8, R-10, R-11, RE-18, RAE-26, Part No's: 3092, 3094 T-5-2, M-107, 119, 125, Part No's: 4790, 72291-7	K6636 .88	K9216 .88	K8693 .88					
4790, 72291-7 R-35, R-39, RE-57, Part No's.: 62895.	K6545° .88 K6773 1.47	K7736* .88 K9189 1.47	K8691 1.18 K8904 1.47					
M101, M104, M108, M109, Part No's: 5018.	K6918° .59	K9497 1.18	K8757 1.18					
SEARS ROEBUCK	SILVER	TONE)						
1715, 1720, 1721, 1722, 1722X, 1725,			Varian 1 III					
1726X, 1732, 1732X	K6603 1.47	K9486 1.47	K8789 1.47					
SPARKS-WITHING	TON (S	PARTON)					
69, 79-A, 101, 109, 110-AC, 301, 591, 593, 930, 931	K6699 .88	K9202 .88	K8825 .88					
STEWART WARNEL	2							
R-100, Series 950-AC, Part No's .:		K9169 .88	K8901 .88					
66033, 66389	K6701 .88	K9169 .88	K8901 ,88					
STROMBERG CARL 641, 642, 652, 654 (Rear)		K9178 .88	K8883 .88					
641, 642, 652, 654 (Front)	K6653 .88 K6651 .88	K9168 .88 K9178 .88	K8884 .88 K8846 .88					
846, 848 (Rear). 846, 848 (Front). NOTE: Panel and rear con	WCCCC 00	K9183 .88	K8848 .88					
matched—Do not purchase so	parately!							
UNITED MOTORS	SERVIC	E						
982044, 982045 (Olds.), 983526, 983527, 983569 (Pontiac), 985254 (Chev.)		· - -						
Above Serial #B16301 980534, 980535 (Buick)	K6776 1.18	K9016 .88 K8932 4.18	K8852 .88 K8807 1.18					
WELLS GARDNER								
6K Series.		K7705 1.18	K8803 1.18					
WESTINGHOUSE								
WR-48, WR-48A, WR-53	K6545* .88	K7736* .88	K8691 1.18					
ZENITH								
6B-107, 6B-129, 6-S-157, Chassis 5634, 5801, Part #63-522	K6586° .88	K7795* .88	K8680 1.18					
50, 52, 53, 60, 61 (1929) Part #63-227 (Single)	K6584° .88	K9429 1.18	K8802 1.18					
50, 52, 53, 60, 61, 722 (Dual), Part #63-226.	K6619* 1.47	K9198 1.76	K8924 1.76					
7-S-323, 7-S-342, 7-S-343, 7-S-363, 7-S-366, 7-S-364, 8-S-359		K8923 1.18	K8808 1.18					
the second of the second of the second		-						

"Latest VOLUME CONTROLS

TRUTEST "TRU-TAPER" **Volume Controls**



Features: extra-hard composition elements; multi-wiping contacts; accurate tapers. Metal housing Shafts 4," dia., 14," long. Bushing 3," dia. Switch coverplate fits all trials lated below.

No.	Ohms	Taper						
K9081	1000	Antenna Shunt						
K9082	2000	Ant. & "C" Bias						
K9083	5000	Antenna Shunt						
K 9084	10,000	Ant. & "C" Bias						
K9085								
	25,000	Ant. & "C" Bias						
K9086	50,000	Screen V.—Tone						
K9087	75,000	"C" Bias						
K9088	100,000	Screen V.—Tone						
K9089	250,000	Audio or Tone						
K9090	500,000	Audio or Tone						
K9091	1 Meg.	Audio or Tone						
Your C								
Less Si	witch	7.8°						
Your Cost Each, Less Switch.								
In lots of 5, Each								
C D C T	-Switch c	overplace only.						
5.F.S. T	. cach							

TRUTEST Exact **Duplicate Controls**



Victor For Victor models R-32, RE-45, R-52 and RE-75. Dual con-

RCA-Victor For RCA-Victor ls 42, 48, R-14, R-15, R-17, Control (25000-10000 ohms). models 42.

Dual Control (25000-10000 ohms).

K9093Each
Philco 20, 20A and 220
Dual, 285 & 5000 ohms.

K9092-Each
Philco No. 33-5139
Midget 350,000 ohms.

K8831-Each
Philco No. 33-5155

2 megohms, with switch.

K8832-Your Cost
Philco No. 33-5105

1 megohm with switch.

1 megohm with switch. K8833—Your Cost

UTAH Volume Controls Only 1 diam.-1/6" deep. Shaft

1½" long. Switches cannot be used. Tapers: U—uniform; C— clockwise; L—counter-clockwise.

CIOCK W	ioc, to	Jumper -C	TOCK WISE.
No.	Ohms	No.	Ohm
K8244	1000U	K8255	25000U
K8245	2000U	K8256	25000C
K8246	3000U	K8258	50000 U
K8248	5000U	K8259	75000 I
K8249	5000C	K8266	100000C
K8251	10000C	K8267	20000 U
K8252	10000U	K8268	250000C
K8253	15000C	K8269	500000C
K8254	20000C	K8270	1 Meg. C
10 For	\$2.70		
Each.			29°

CRL Split Knurl Midget Radiohms



will not fit any other type of shaft. Shafts 3%" long.

No.	CRL	Ohms	Each
K8285	NK-139	250M	
K8286	NK-140	500M	599
K8287	NK-141	1 Meg.	
K8288	NK-142	2 Meg.	
K8289	NK-143	500 M	1 00
K8291	NK-144	1 Meg.	. \ 886
*-Tap	ped contr		-

Centralab Midget and Standard



Standard Radiohms Noted for their long noise-less life these famous controls employ a patented non-

trois employ a patented non-wearing contact arrangement. A highly polished metal band is pressed into contact with the resistance strip by the rotating arm. Contact between the arm and the band is by means of an oil-treated wood button that is absolutely noiseless and perfectly smooth in operation. Control dimensions: Diameter—1½"; Depth—½"; Shaft length—2½"; Diameter—½"; Bushing diameter—½"; Flat milled shaft. Listing below includes new CRL type numbers less switch. Order by these or by the old CRL numbers. With switch numbers are the same except for prefix letter which is "B" in place of "AT" and "BF" in place of "AT". This will aid you in obtaining the exact control you need, as listed in the new CRL Guide. Tapers follow:

U —Voltage Divider (uniform)

S —Antenna Shunt & "C" Bias

A —Antenna Shunt & "C" Bias

T —Tone Control

GT—Audio Grid or Tone Control

Antenna Shunt & "C" Bias
A1—Antenna Shunt & "C" Bias
for 1 Tube

T —Tone Control
GT—Audio Grid or Tone Control
P —Series in R.F. Plate

No.	CRL	Ohms	No.	CRL	Ohms	No.	CRL	Ohms
K8876	A-100	500 U	K8873	AF-112	15,000A	K8880	A-123	100,000GT
K8865	A-101	1000U	K8931	AF-113	15,000A1	K8697	A-124	150,000GT
K8859	A-102	2000U		AF-114	20,000A	K8878	A-125	200,000GT
K8866	A-103	3000U		AF-115	25,000U	K8694	AF-126	200,000C
K8867	A-104	4000U	K9032	AF-116	25,000C	K8879	A-127	250,000GT
K8868	AF-105	5000U	K8860	AF-117	25,000S	K8864	A-128	500,000U
K8842	A-106	5000S	K8861	A-118	50,000U	K8841	A-129	500,000P
	AF-107		K8875	A-119	50,000T	K8863	A-130	500,000GT
	AF-108		K9033	A-120	75,000T	K8908	A-131	750,000GT
K8871	AF-109	10,000A1	K8840	AF-121	75,000C	K8874	A-132	1 Meg. GT
K8843		10,000A2	K8862	A-122	100,000U	K8890	A-133	2 Meg. GT
K8858	A-111	10,000S				K8696	A-134	3 Meg. GT

		W	RE W	OUND	RADIO	HMS		
K8959	V-104	6	K8683	V-123	200	K8687	VF-131	2000
K8961	V-108	10	K8684	V-126	400	K8765	VF-133	3000
K8681	V-116	50	K8685	V-127	500	K8804	VF-135	5000
K8682	V-121	100	K8686	VF-129	1000	K8766	VF-137	10.000
Your Cost Each Any Type Listed Above. 59°								
Any I	ype List	ed Ab	ove				,	77
	TAPPE	D RA	DIOHA	AS (Fo	Tone	Campa	mention'	

K8891-AT-135 250,000 ohms GT 500,000 ohms GT List Price \$1.50 1 Megohm GT 2 Megohms GT

TWIN REPLACEMENT RADIOHMS Most popular twin controls for general replacement.
Stock No. CRL No. Front Ohms Rear Ohms
K8912 C-100 10,000 25,000 C-100 C-101 C-102 10,000 10,000 100,000 List Price \$2.50

50,000 Your Cost \$1.47 C-103 C-104 250,000 500,000 250,000 500,000 SWITCH COVERPLATES For Standard Radiohms K8669 4 Point K8670 *S.P.D.T. K8661 †S.P.S.T. With dummy lug. S.P.S.T. S.P.D.T. D.P.S.T. K8665

CENTRALAB Midget Radiohms

Small diameter controls for use in auto radio sets or in midget radios. Molded bakelite cases. All potentiometer type, with insulated terminals. Depth, less switch, 2½ 2½ shaft milled entire length. Separate switches easy to install. Same taper symbols as shown with standard Radiohms above. CRL type numbers given below are less switch—CRL type numbers for controls with switch have prefix "P" in place of "N". No. CRL. Ohms No. CRL. Ohms No. CRL. Ohms No. CRL.

-Open at clockwise position.

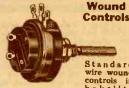
Ohms | No. CRL Ohms | No. 5000U K8281 NF112 10,000A K8217 NF113 10,000A1 K8191 NF101 10,000A2 K8218 N114 10,000A K8219 N115 15,000A1 K8220 N116 15,000A2 K8272 N117 20,000A K8190 NF107 K8188 NF100 K8189 NF108 K8278 N109 K8279 NF110 K8280 NF111 K8192 K8273 K8193 K8194 N102 N118 N103 N104 25,000U 25,000A 500,000 U 50.000TI

1 Meg. GT 2 Meg. GT N116 100,000II K8169 N 155 Any Type Listed Above (Less Switch) Each **Midget Switch Plates**

Tapped Midget Radiohms
Tapped for tone compensation Stock No. Type **K8195** S.P.S.T. **K8196** S.P.D.T. Tapped for tone compens circuits. Less switch. Stk. No. DRL No. Ohm K8274 NT119 250,000 K8275 NT120 500,000 K8276 NT121 1 Meg. (K8277 NT122 2 Meg.) 29c K8197 K8198 K8199 *S.P.S.T With dummy lug

With every order for 5 or more CRL controls ask for a copy of CRL Volume Control Guide. If ordered FNEE! a copy of CRL V separately, K19698—EACH

CLAROSTAT Wire Wound



Standard wire wound controls bakelite

cases. Switch covers easily attached. Control diameter 1 %". Mount in %" hole. ½" shaft extends 1½". Units marked with asterisk (*) are rheostat type; ali

others potentiometers tapers:
L—Untuned Antenna
S—Standard Pot. (uniform)
V—"C" Bias Control W—Screen Grid; Phono Control U—Antenna & "C" Bias (1 tube)

Stock Res. Stock Res Ohms No. K7093 Ohms K7049* K7092 K7090 K7050* K7051* 2000S K7089 K7088 2000L 2000V K7052* K7053* K7087 K7086 3000S 3000U K7054* K7055* 20 K7047 40008 5000S 5000U 5000V 7500U K7056* K7057* K7058* K7083 30 K7082 K7080 K7099 K7060* 508 K7079 K7078 60 K7061* K7098 100008 1008 K7075 10000 V K7097 K7096 K7074 K7073 10000W 300S 15000S 15000U K7095 K7094 K7070 5008 20000S Your Cost Each, Any Above Type, K7068 25000S M K7067 30000S M Your Cost Each, 40000S 50000S

Any Above Type 73° K7064 75000S Ea. \$1.18 **Switch Cover For Above** Switch coverplate only, fits all units. K6837—S.P.S.T.
Your Cost Each 29°

UTAH Wire-Wound Midget Controls

Rheostats and potentiometers are 1½" diam. Mount in ¾" hole and extend ½" in back of the panel. ½" diam. shafts ex-tend 1 1/2".



3-Watt Potentiometers

No. K6515 400 K6516 K6517 K6521 K6522 500 1000 K6523 1500 200 3-Watt Rheostats

K6524 K6525 25 30 K6529 K6530 K6531 K6532 K6533 K6526 15 K6528 Any of the Above Types 26c

CRL Phonohms



Headphone volume con-trols in sturdy bakelite cases. With knob.
"L" pad type
for group in-

for group in-stallations; pots. for single controls,

Pot.		"L" Pac
No.	Ohms	No.
K8914	5000	K8917
K8915	10,000	K8918
K8916	100,000	K8919
Pots.	"L"	Pads
Each	. 88C Eac	Pads \$1.18

'D" Universal Controls with Tap-In Shafts



Tap-in Shafts, exclusive with IRC, permit the use of special shafts with standard controls, eliminating coetly "specials". Precision tapers on shaft and socket afford solid, permanent shaft attachment. Simplifies installation in crowded chassis. Double flatted "A" shaft supplied; fits ½" and ½" push-on knobs and set screw knobs without filing. Special shafts listed below.
"D" controls embody other outstanding exclusive IRC features such

Special shafts listed below.

"D" controls embody other outstanding exclusive IRC features such as: Metallized Element that's harder, smoother and moisture proof; 5-Finger "Knee Action" Contactor; famous Spiral Connector positive connection between contactor and its terminal—eliminates the most frequent cause of noisy controls; Steel Coil Spring Thrust Washer eliminates shaft end-play and wobble. Only 1½" dia. Supplied less switch. Taper code: A—Uniform; C—Antenna Shunt or Audio; D—Ant. and "C" Bias; F—Ant. and Bias; H—Tapped control for Tone Commensation.

	for T	one Con	npensa	tion.						
	6			ģ)		3	0		
		llized nent	Spirat Connector			5-Finger Contactor		Coil Spring Washer		
	No.	Туре	Ohms	No.	Туре	Ohms	No.	Туре	Ohms	
i	K7706	D11-103	500A	K7712*	D16-119	20000F	K7731	D11-130		
- 1	K7707	D11-108	1000A	K7713	D11-120	25000A		D13-130		
ı	K7708	D11-110	2000A	K7727*	D14-120	25000 D		D14-130		
1	K7724	D11-112	3000A	K7714	D16-120	25000F			350000C	
	K7709	D11-113	4000A	K7715	D11-123	50000A			500000A	
	V 7770	D11 114	KOOOA	F 7794	D12 192	SOOOOC	W 7722	D12-122	SOCOCO	

ito. Lype	OHIDS 110.	" y pe	O MARKE	,	- 7 - 0					
K7706 D11-103	500A K771	2° D16-119	20000F	K7731	D11-130	250000A				
K7707 D11-108	1000A K771	3 D11-120	25000A			250000C				
K7708 D11-110	2000A K772	7° D14-120	25000 D	K7719*	D14-130	250000D				
K7724 D11-112	3000A K771	4 D16-120	25000F		D13-132					
K7709 D11-113	4000A K771	5 D11-123	50000A		D11-133					
K7779 D11-114	5000A K778		50000C		D13-133					
K7710 D13-114	5000C K772	8° D14-123	50000D		D14-133					
K7725 D11-115	7500A K772	9 D13-125			D13-137	1 Meg.C				
K7780° D11-116		0° D14-125			D13-139	2 Meg.C				
K7711 D13-116	10000C K771	6 D11-128			D13-140	3 Meg.C				
	10000D K778				D11-141	5 Meg.A				
	10000F K771				D11-142	7 Meg.A				
	15000D K771	8° D14-129	200000D	K7723	D11-143	10 Meg.A				
K7783* D16-118	15000F				the state of					
* Units include 300 ohm bias resistor.										
Your Cost Ea	* Units include 300 ohm bias resistor. Your Cost Each, Any Above Type									

* Units include 300 ohm bias resistor. Your Cost Each, Any Above Type.....

	Ta	pped "	'D" U	niversa	al Conti	ols		
Stock No.	IRC No.	Ohms	Tapped At	Stock No.	IRC No.	Ohms	Tapped At	
K7736 K7791 K7792 K7793 K7843	D13-130X D18-130X D18-132X D13-133X D18-133X	250000° 250000H 350000H 500000H 500000°	125000 60000 75000 125000 50000	K7794 K7844 K7735 K7795 K7734	D13-137X D19-137X D18-137X D13-139X D18-139X	1 Meg. H 1 Meg.* 1 Meg.* 2 Meg. H 2 Meg.*	250000 500000 100000 500000 1 Meg	
* Special Taper; for tapped tone compensation. Any Type Above, Your Cost Each								
TRC Plug-In Shafts For Use With Above Controls K7799—Type "B". For auto radio controls. 21c K7737—Type "C". For special push-on knobs. Knurled. 15c K7738—Type "D". For special push-on knobs. Unknurled. 15c								
80	"DE	" Con	trois \	With S	Split Kr	nurled	Shaft	

Identical in size and construction with type D, the DE controls have built-in split-knurled shaft. \(\frac{1}{2} \) bushing.

No. IRC No. Ohms

No. IRC No. Ohms

K7845 DE13-130 250,000C K7847 DE13-137 1 Meg. C

K7846 DE13-133 500,000C K7848 DE13-139 2 Meg. C Any Type Above, Your Cost Each

Tapped "DE" Controls
RC No. Ohms Tapped At Ohms Tapped At 500,000H 125,000 1 Meg. H 250,000 IRC No. DE13-133X Each K7849 K7850 880 DE13-137X



"W" Wire Wound Controls

Diameter 1½". Rated 2 watts. 3" shaft. Less switch, but switch covers can be added. Uniform taper. Switch cover plates for use with these controls will be found below at right. Shield dust cover supplied.

Stock No.	IRC No.	Ohms	Stock No.	No.	Ohms	Stock No.	No.	Ohms
K7810	W-6	6	K7818	W-50	50	K7826	W-750	750
K7811	W-8	8	K7819	W-60	60	K7827	W-1000	1000
K7812	W-10	10	K7820	W-75	75	K7828	W-2000	2000
K7813	W-15	15	K7821	W-100	100	K7829	W-3000	3000
K7814	W-20	20	K7822	W-200	200	K7830	W-4000	4000
K7815	W-25	25	K7823	W-300	300	K7831	W-5000	5000
K7816	W-30	30	K7824	W-400	400	K7832	W-7500	7500
K7817	W-40	40	K7825	W-500	500	K7833	W-10000	10000

Your Cost Each, Any Above Type

"DS" Controls With Built-In Shafts



Same as "D" controls in size and construction, but have shaft built-in. "Double flatted" shaft takes 1/2" and 1/2" push-on knobs and set screw knobs without filing. Control diameter 11/2", depth, less switch. 33/4"; depth, with switch, 25/2".

Stock	IRC		Stock	IRC		Stock	IRC	
No.	"DS" No.	Ohms	No.	"DS" N	o. Ohms	No.	"DS" No.	Ohms
K9100		500A	K9112*	16-118	15000F	K9125	13-130	250000C
K9101	11-108	1000A	K9113*	16-119	20000F	K9144	14-130	250000D
K9102		2000A	K9115	11-120	25000A	K7807	13-132	350000C
K9103		3000A	K9114*	14-120	25000D	K9126	11-133	500000A
K9104		4000A	K9116	16-120	25000F	K9127	13-133	500000C
K9105	11-114	5000A	K9117	11-123	50000A	K7808	14-133	500000D
K9106		5000C	K9118	13-123	50000C	K9129	13-137	1 Meg.C
K9097		7500A	K9119	13-125	75000C	K9131	13-139	2 Meg.C
K9108	• 11-116	10000A	K9120*	14-125	75000D	K9132	13-140	3 Meg.C
K9110	13-116	10000C	K9121	11-128	100000A	K9098	11-141	5 Meg.A
K9109	14-116	10000D	K9122	13-128	100000C	K9099	11-142	7 Meg.A
K9107		10000F	K9123	11-129	200000A	K9137	11-143	10 Meg.A
K9111	14-118	15000 D	K9124*	14-129	200000D			

Any Type Above, Your Cost Each

| No. "DS" No. Ohms Tapped At No. Ohms Tap Tapped At 250000 250000 500000 Your Cost Each

Standard "CS" Single Controls

The standard IRC "CS" Control, being only 1/8" larger in diameter than the type "DS", has been discontinued as a stock item in favor of the more universal size "DS" control. Both types are identical in construction with the exception of size. "CS" controls are available on special order. To order, use IRC Part Number above, substituting "CS" for "DS". Prices are the same.

Dual Type "CS" Twin Controls

Duais	tor repra	scement us	e. Front	Section	i is neurez	at snait.	
Stock	1RC	Ohms	Ohms	Stock	IRC	Ohms	Ohms
No.	No.	Front	Rear	No.	No.	Front	Rear
K9138	35-1620	10000C	25000E	K9142	33-3333	500000C	500000C
K9139	61-1623	10000F	50000A	K7851	33-3737	1 Meg. C	1 Meg.C
K9140	33-2828		100000C		33-3939	2 Meg. C	
K9141	33-3030	250000C	250000C			S 4	47
Your	Cost E	250000C ach, Any	Type A	bove			4



Type "D" Auto Controls

For most any auto radio application. Friction clutch drive arm. Special shaft for either slotted or tongued shaft.

Stock No.	IRC No.	Ohms	Tapped At	Stock No.	IRC No.	Ohms	Tapped At
K7757	DC13-130	250000	None	K7761	DC13-137	1 Meg.	None
K7758	DC18-130X	250000	60000	K7762	DC13-137X	1 Meg.	250000
K7759	DC13-133	500000	None	K7763	DC13-139	2 Meg.	None
K7760	DC13-133X	500000	125000	K7764	DC13-139X	2 Meg.	500000

Your Cost Each, Less Switch, Any Above Type

88c

59°



IRC Control Kit

18 Universal size "D" controls, 6 switches, 5 special shafts—equip servicemen for 87% of all midget, console or auto radio replacements! Types included are recommended for replacement in over 10,850 models in IRC Manual. Factory packed in all-metal cabinet 14½x7x½", finished in silver, blue and yellow. Separate compartment for each control; 3 handy drawers hold switches, shafts and small parts. Contains: 2-D13-D13-128, D13-130, D13-130X, D13-133X, D13-127, D13-137X, D13-139, D13-139X, D14-116, D16-119, and DC13-133X; 5 number 41 and 1-42 switches; one "B" shaft and two each "C" and "D" shafts. Cabinet included FREE! Shpg. wt. 7 lbs.

\$14.67

Switches For IRC Controls

Switches listed here may be quickly attached to controls indicated.

Positive action. Underwriter's Laboratory inspected.

Single Pole,	Double Pole,	Single Pole,
Single Throw	Single Throw	Double Throw
K7796 "D", "DE", "DS"	K7797 "D", "DE", "DS"	K7798 "D", "DE", "DS" -K7836 "W"
K7834 "W" K9133 "CS"	K7835 "W" K9135 "CS"	K 1836 W
		K9134 "CS"
Each 29°	Each 35°	Each 350
		· ionicii

FREE! With every order for 5 or more IRC Volume Controls we'll send a copy of the IRC Volume Control Manual, Free. If ordered separately, K19792—Each. . 10c

MAILORY VOLUME CONTROLS

"UM" and "TM" Junior Controls

Ultra-compact controls featuring noiseless composition elements; attachable switches; plug-in type shafts. Both UM and TM types have slotted shafts which will take any one of the 28 different types of special shafts listed below. The TM types are similar to the UM but are provided with a tap as shown. TM type designed for use in tone compensating circuits. All are ½" thick, 1½" diameter.



"UM" TYPE JUNIOR CONTROLS

Stock No.	Type No.	Ohms & Taper	Stock No.	Type No.	Ohms & Taper	Stock No.	Type No.	Ohms & Taper
	UM114	5M(4A)	K6935	UM133	50M(1)	K 6944	UM147	250M (1)
	UM118		K6936	UM134			UM149	250 M (4)
	UM119		K6937	UM 135	50M(4)	K 6946	UM 151	350 M (1)
K6929	UM120	10M(4)	K6938	UM137			UM154	500 M (1)
K6930	UM 121	15M(1)	K6939	UM 138			UM 156	500 M (4)
K6931	UM122	15M(2)	K6940	UM140				750 M (1)
K6932	UM124	20M(1)	K6941	UM141	100M(2)			1 Meg(1)
	UM 128	25M(2)	K6942	UM142	100M(4)			2 Meg(1)
K6934	UM129	25M(4)						3 Meg(1)
Type	UM Cor	trols (les	shaft)					

Your Cost, Any Size "TM" Type Tapped Controls

		· ypc ·	appea	Coult	712	
Type	Ohms	Tapped	No.	Туре	Ohms	Tappe
TM220	250M	50M	K6959	TM240	1 Meg	200M
TM 221	250M	110M	K7006*	TM241		200M
	250M	110M	K7007*	TM242	1 Meg.	450M
	500M	60M	K6960	TM243	1 Meg.	450M
	500M	100M	K7008	· TM244	11/2 Meg.	200M
	350M	70M	K6961	TM245	2 Meg.	5M
		15M	K6962	TM246	2 Meg.	15M
			K6963	TM247	2 Meg.	60M
			K6964	TM248	2 Meg.	250M
			K6965	TM249	2 Meg.	600M
			K7009	TM250	2 Meg.	125M
TM 232	500M	225 M	K6966	TM251	2 Meg.	900M
	TM220	Type Ohms TM220 250M TM221 250M TM222 250M TM223 500M TM224 500M TM225 350M TM226 500M TM226 500M TM228 500M TM228 500M TM228 500M TM230 500M TM230 500M TM231 500M	Type Ohms Tapped TM220 250M 50M TM221 250M 110M TM222 250M 110M TM223 500M 60M TM224 500M 100M TM225 350M 70M TM226 500M 15M TM227 500M 100M TM228 500M 5M TM228 500M 5M TM230 500M 15M TM230 500M 15M TM231 500M 225M	Type Ohms Tapped No. TM220 250M 50M K6959 TM221 250M 110M K7006* TM222 250M 110M K7007* TM223 500M 60M K6960 TM224 500M 100M K7008 TM225 350M 70M K6961 TM226 500M 15M K6962 TM227 500M 100M K6963 TM228 500M 5M K6964 TM230 500M 150M K6965 TM231 500M 225M K7009	Type Ohms Tapped No. Type TM220 250M 50M K6959 TM240 TM221 250M 110M K7006* TM241 TM222 250M 110M K7007* TM242 TM223 500M 60M K6960 TM243 TM224 500M 100M K7008 TM243 TM225 350M 70M K6961 TM245 TM226 500M 15M K6962 TM247 TM227 500M 100M K6963 TM247 TM228 500M 5M K6964 TM248 TM230 500M 15M K6964 TM248 TM231 500M 225M K7009 TM250	Type Ohms Tapped No. Type Ohms TM220 250M 50M K6959 TM240 1 Meg. TM221 250M 110M K7006* TM241 1 Meg. TM222 250M 110M K7007* TM242 1 Meg. TM223 500M 60M K6960 TM243 1 Meg. TM224 500M 100M K7008 TM244 1½ Meg. TM225 350M 70M K6961 TM245 2 Meg. TM226 500M 15M K6962 TM246 2 Meg. TM227 500M 100M K6963 TM247 2 Meg. TM238 500M 5M K6964 TM248 2 Meg. TM231 500M 150M K6965 TM249 2 Meg. TM231 500M 225M K7009 TM250 2 Meg.

TM234 TM236 TM238 TM239 1 Meg. 1 Meg. 1 Meg. 1 Meg. 300M -Clutch Type Controls Type TM Controls (less shaft)
Any Type Above, Your Cost Each

900M 73°

400M

MALLORY-YAXLEY Attachable Switches

K7011 K6967

K7012

TM254 TM257

2 Meg

3 Meg. 2 Meg.

65M 125M 300M

K6968—Single Pole, Single Throw. K6969—Double Pole, Single Throw	Each	29°
K6970—Single Pole, Double Throw K6972—Four Pole, Single Throw (Sl	201	.35°

COMPACT RHEOSTATS & POTENTIOMETERS



K7020

K 7022

Co us lin

WATTS	TYPE M-
ire Wound.	4 WATTS Wire Wound, Con-
ontrols ideal for e where space is	servatively rated at 4 watts. Fully en-
mited. Contact	closed. 1%" diam.;
e shaft. Diam.	mount in 1/4" hole. Shaft 1/4" diam., 1/4"
's 'shaft, is long.	long. With dust
10118.	cover.

	RHEOS	STATS			RHEOS	STATS	
No.	Ohma	No.	Ohms	No.	Ohms	No.	Ohms
K6197	6	K6201	30	K6480	1	K6486	20
K6198				K6481	2	K6487	25
	10	K6202		K6482		K6173	
K6199	15			K 6483		K6174	50
K6200		K6204	100	K6484	10	K6175	
Your Co	ost Each	,	11c	K6485	15	K6176	
Any Ty	pe				ost Each		
PO	TENTI	METER	S				44c
K 6205		K6210	40				
K6206		K6211				METER	
K6207		K6212	100	K6503		K6496	
				K6492		K6497	400
K 6208	20	K6213	200	K6495	100		FOC
K6209		K6214	400	Your C	ost Each		59°
Your Co	ost Each	, e	EQC!	K 6498	1000	K6499	
Any of	the Abov	re		K6500	3000	K6501	5000
K6215-	1000 oh	me 1	-	Your C	ost Each		73c
K 6216-	3000 oh	ms Ea.		K6502		K6177	15000
K 6217	5000 oh	mo ma		K6178	20000		25000
							88c
MOTIO-	10000 01	ms Ea.	K K C				
WOTT2 -	TOOOD on	ms La.		K6180	50000	K6181	70000
M 6 / 70	15000 ob	mag		WOME 1	ost Fach		C1 18

Type E-9-Watt Potentiometers

Similar	to Typ	e w, bu	t large	F. 27	, cuameu	r. Ar	m groui	nueu.
					Each			
K6188 3 K6189 16 K6190 26	5000 0000 0000	1.47	K6191 K6192 K6193	25000 50000 75000	51.62	K6194 K6195 K6196	100000 125000 150000	51.62

MALLORY-YAXLEY Encyclopedia—4th Edition
Newest, biggest, most valuable issue. Contains data on over 27,000 sets.
Over 400 pages. Further data on this valuable book will be found on
page 52. Shpg. wt. 3 lbs.
K19786—Your Cost, Only.



Type "MR" Junior Controls

Ultra-compact controls are similar to the types UM and TM junior controls listed at left except that they feature standard shafts, 3" long, milled the entire length and furnished with knob adapters (for spring type knobs). All are rated conservatively at ½ watt.

No.	Type	Ohms	No.	Туре	Ohms	No.	Type	Ohms.
K6900	MR14	5M(4A)	K6909	MR33	50M(1)	K 69 18	MR44	250M(1)
K6901	MR18	10M(1)	K6910	MR34	50M(2)			
K6902		10M(2)	K6911	MR35	50M(4)	K6920		
K6903		10M(4)	K6912		75M(1)	K6921	MR50	500M(4)
K6904		15M(1)	K6913		75M(2)			
K6905		15M(2)	K6914		100M(1)	K6923	MR53	1 Meg(1)
K6906		20M(1)		MR40	100M(2)	K6924	MR55	2 Meg(1)
K6907		25M(2)		MR41	100M(4)	K6925	MR57	3 Meg(1)
K6903			K6917	MR42	150M(1)			FOR
I ype i	MK Co	ntrols, A	my Siz	e. Eac	h			-

Junior Controls With Fixed Knowled Co

Similar to	type "MR"	controls above, but h	ave 3" unive	naits
suall of re	placing origi	nal units of this type.	are o darre	ioni midiled
Stock	Туре	Ohms & Stock	Type	Ohms &
No.	No.	Taper No.	No.	Taper
K6637	MK400	250M(1) K6639	MK402	1 Meg.(1)
K6638	MK401	500M(1) K6640	MK403	2 Meg.(1)
Type MIN	Controls,			500
Your Cos	t tach, Any	Type		34

Special Junior Controls "SM"

These are special Junior replacement units. Check your Mallory Encyclopedia for your requirements, then order from this listing

No.	- Type	Res. Ohms	Tapped At	Each
K6775	SM300*	350,000	75,000	51.18
K6776	SM301*	-2 Meg.	500,000	1.18
K6777	SM302*	500,000	None	1.18
K6778	SM303	6 Meg.	None	.88
K6784	SM304*	1 Meg.	200,000	1.18
K6785	SM305*	1 Meg.	875,000	1.18
K6786	SM306*	1 Meg.	550,000	1.18
K6787	SM307	2 Meg.	250,000	.88
K6799	SM308	1 Meg.	200,000	.88

Special Junior Dual Controls

Have fixed concentric shaft and switch

No.	Туре	Res. Front	Res. Rear	Tap At	Each
K6779	SMD500	2 Meg.	2 Meg.	None	\$1.76
K6780	SMD501	2 Meg.	1 Meg.	Front 500M	1.76
K6781	SMD502	250 M	1 Meg.	Rear 250M	1.76
K6782	SMD503	2 Meg.	1 Meg.	Front 500M	1.76
K6783 K6800	SMD504	250M	500M	Front 50M	1.76
K6801	SMD505 SMD506	250 M	1 Meg.	Rear 300M	1.76
K6802	SMD507	500M	1 Meg.	Rear 200M	1.76
K6803	SMD508	500 M 30 M	350 M	Rear 70M	1.76
K6804	SMD509	2 Meg.	1 Meg.	Rear 450M	1.76
K 6807	SM D510	1 Meg.	500 M	Front 900M	1.76
140001	DIM DOTO	I wieg.	500M	Front 300M	1.76

Explanation Of Mallory Volume Control Tapers

No. (1) For audio or antenna shunt circuits.
No. (2) For series circuits such as cathode voltage controls.
No. (3) For antenna shunt and "C" bias circuits.
No. (4) Linear taper; for voltage divider circuits.
No. (4a) Modified linear taper, similar to No. 4.
No. (7) Wire wound element. For antenna and "C" bias.

MALLORY-YAXLEY Plug-In Shafts

28 Types fit all UM and TM junior controls. Adapt controls for use with almost all auto and home radio receivers.

K6973—SS1. Replaces any ¼" round shaft or ½" or ½" flattened shaft up to 4" long. Each ... 15c K6974—SS2. For RCA, UMS and any ½" shaft up to 4". Each ... 15c K6975—SS3. Replaces any ½" slotted shaft up to 2" long ... 21c K6976—SS4. RCA (next. New K6976—SS4. RCA (next. Next. K6976—SS4. RCA (part Nos. 12240, 12365, etc.). Each. 15c K6977—SS5. Philco '36, '37, '38 Household sets. Each. 15c K6978 SS6. RCA, Hudson H6.15c K6982—SS10. Motoroia 60, 80, 36
Golden Voice. Each 15c
K6983—SS11. Replaces any 3/2"
slotted shaft 2 to 4" long 21c
K6984—SS12. Philco, UMS and
Arvin sets. Each 15c
K6986—SS14. Replaces any 3/2"
slotted shaft to 2" long 21c K6987—SS15. Replaces any slotted shaft 4 to 6" long.... K6988—SS16. Exact for Sentinel. Cut to length for RCA, etc..., 15c

K6939—SS17. Replaces any slotted "Insacup" shaft to 6" long 29c K6992—SS18. For Belmont, Stewart Warner, etc. Each 15c K6993—SS19. All 1937 and 1938 Motorola sets. Each 29c K6994—SS20. Motorola model 16C. Each 29c K6995—SS21. Motorola model 17D. Each 21c K6996—SS22. For Motorola and many others. For Motorola and Each 15c K6996—SS22. For Motorola and many others. Each. 15c K6997—SS23. For Bosch 139, 149, 169. Each. 15c K6998—SS24. Chevrolet model 985425. Each. 15c K6999—SS25. Replaces standard knurled shafts from ¾* to 4* long. Each. 15c Each ... K6809-K6810-Zenith sets. K6810—SS27. K6820—SS28. K6821—SS29. K6822—SS30. Philco sets... Motorola sets. y 1/2" | K6821—SS29. Motorola sets. tinel. | K6826—SS31. Philco sets... K6827—SS32. Philco sets...

and ACCESSORIES MALLORY

Standard Special Single "SRP" Controls

For receivers requiring other than universal type controls. Each has special electrical or mechanical features. The Mallory-Yaxley Encyclopedia shows control number required. Shpg. wt. 5 uzs. Switch or accessories not included, although some controls have special nuts and washers where required.

Stock	Type	Dania	24L	T	D .	Chi 9	m	0.1
		Resis.	Stock	Type	Resis.	Stock	Type	Resis.
No.	No.	Ohms	No.	No.	Ohms	No.	No.	Ohms
K6621	SRP134	4500	K6648	SRP213	250M	K6585	SRP263	32M
K6623	SRP138	450	K6650	SRP216	500M	K6769	SRP264	650
K6624	SRP139	550	K6696	SRP223	1M	K6597	SRP266	600
K6626	SRP141	1200	K6701	SRP245	32M	K6797	SRP269	10M
K6627	SRP142	2900	K6798	SRP251	250M	K6598	SRP271	150
K6629	3RP144	2M	K6767	SRP252	500M	K 6599	SRP272	300
K6630	SRP145	2M	K6631	8RP253	400M	K6789	SRP282	350M
K6635	SRP152	60	K6754	SRP254	3500	K6791	SRP284	100M
K6636	SRP153	13M	K6765	SRP255	15M	K6632	SRP288	100M
K6699	SRP154	50M	K6770	SRP256	10M	K6788	SRP289	50M
K6697	SRP160	3200	K6771	SRP257	3M	K6651	SRP900	20M
K6690	SRP170	75M	K6774	SRP258	15M	K6652	SRP901	10M
K6641	SRP179	125M	K6796	SRP260	LM	K 6653	SRP960	800
K6693	SRP185	1500	K6584	SRP261	100M	K 6654	SR P961	10M
K6792	SRP188	32M	K6768	SRP262	1500	K6655	SRP962	250M

	17861 100	72111 R0100	DIGI 402 100	() V 0023	Shiranz caur
Any A	bove Typ	oe.			00
		h			88
K6656	-SRP239	W. W. Vol. S	trip 450 ohr	na)	
K6657	-SRP24	W. W. Vol. S	trip 6000 ohr	ne Your C	ost Each 29
K 6766	-SRP27	3 500M Vol. C	ontrol with a	witch)	
K6600	- SRP280	500M Vol. C	ontrol with a	witch Faci	. \$1.18

Standard Special Dual "DRP" Controls

Two separate controls operated by a single shaft. Will service over 90% of sets utilizing this type of control. Refer to the Mallory-Yaxley Encyclopedia for selection. Shpg. wt. app. 8 oz.

Stock		Туре	Resistance		Stock	Туре	Resistance		
	No.	No.	Front	Rear	No.	No.	Front	Rear	
ŀ	(6683	DRP114	250	5M	K6541	DRP245	1 Meg.	3 Meg.	
K	6698	DRP115	3800	3800	K 6700	DRP246	32M	50M	
B	6694	DRP116	25700	10M	K6773	DRP250	50M	1M	
- K	6751	DRP117	500.	2500	K6604	DRP301	5M	2500	
B	6752	DRP119	3M	10M	K 6605	DRP302	100M	250M	
K	6753	DRP122	645	10M	K6606	DRP303	2500	100M	
K	6614	DRP169	7500	10M	K6607	DRP304	1 Meg.	3 Meg.	
K	6619	DRP221	10M	100M	K6608	DRP305	25M	25M	
k	6756	DRP222	75M	32M	K 6609	DRP309	12M	65M	
K	6757	DRP232	3 Meg.	3 Meg.	K6610	DRP310	25 M	25M	
K	6758	DRP239	25M	25 M	K6601	DRP311*	150M	250M*	
K	6759	DRP240	250M	10M	K 6602	DRP313	1M	500M	
	6760	DRP241	5M	150M	K6611	DRP314	500M	2500	
	6761	DRP242	10M	500M	K6612	DRP315	2 Meg.	2500	
	6762	DRP243	3M	750M	K6603	DRP317	500M	1M	
K	6763	DRP244	25M	6M	K6618	DR P318	250M	3 Mor	

* Tapped at 160 M ohms. Any Type Above, Your Cost Each

\$1.47

Standard Universal Tapped Controls

Standard 11%" diameter controls with tap for various applications. Furnished with two nuts, washer, ground terminal and knob adapter

			,	P. c. cert or	oca titiiiitti i	don't will	adapter.
Stock	Mfrs.	Res.	Tapped	Stock	Mfrs.	Res.	Tapped
No.	No.	Ohms	At Ohms	No.	No.	Ohms	At Ohms
K6543	TRP601	40000	8000	K6588	TRP615	3 Meg.	900000
K6544	TRP602	60000	4000	K6589	TRP616	500000	60000
K6545	TRP603	250000	110000	K6590	TRP617	60000	12000
K6546	TRP604	350000	20000	K 6591	TRP618	2 Meg.	250000
K6547	TRP605	350000	70000	K6592	TRP619	500000	/100000
K6577	TRP606	500000	100000				250000
K6578	TRP607	500000	225000	K6593	TRP620	2 Meg.	
K6579	TRP608	1 Meg.	200000	K6594*	TRP621	24 Meg.	
K6580	TRP609	1 Meg.	500000			- 4	500000
K6581	TRP610	1 Meg.	30000	K6595	TRP622	44000	7000
K6583	TRP612	2 Meg.	15000				14000
K 6586	TRP613	2 Meg.	400000	K6596	TRP623	250000	50000
K6587	TRP614	350000	70000	K6576	TRP624	214 Meg.	
							800000

* No provision for use with switch.
Your Cost Each, Any of the Above

880

Standard Universal Dual Controls

Consist of	two vol	ume cont	rols	strapped	together	and drive	n by a
single shaft	. Units	listed ser	vice	practically	all recei	vers.	
Stock	Mfra.			Res. in	Ohms	T	aper
No.	No.	Type		.Front	Rear	Front	
K6684	CE	WW		2000	5000		I
K 6658	GE	ww		10000	5000	VII	IV
K 6685	GG	WW		10000	10000	VII	îv
K 6686	GK	Car.		10000	50000	Î	ÎV
K6659	LL	Car.		100000	100000	ī	T
K6687	LM.	Car.		100000	250000	į.	ř
K6749	MM	Car.		250000	250000	Ŷ	î
K6750	MN	Car.		250000	500000	ì	- 1
K 6689	NN	Car		500000	500000	ì	Ť
WW-Wire	Wound	element.	Car	Carbon	element '	e	
Your Cost	Each.			Car Don	ordinette.	34	457
Any Size						- A 0 6	4
							_

UNIVERSAL VOLUME CONTROLS



The Mallory-Yaxley Volume Controls listed on these pages can be used to service over 90% of all the radio receivers now in use. With comparatively few units, the serviceman is enabled to meet practically all service requirements. Mallory-Yaxley Controls feature: minimum bias adjustment on all bias controls; 3" shafts that can be shortened by notching and breaking off; complete shielding; all furnished with knob adapter, and mounting hardware. Approved switch (listed below) can be added to any control.

UNIVERSAL REPLACEMENT CONTROLS

All with two mounting nuts, washer, ground terminal and knob adapter. Wire wound units have adjustable bias feature (exclusive Mallory-Yaxley); carbon element units with adjustable bias resistor where

No.	Part	Туре	Ohms 7	Faper	No.	Part	Type	Ohms	Taner
K6660	Q Ř	WW	2	4	K6675	H*	WW	15000	2
K6661	Ŕ	WW	6	4	K6713	H7°	WW	15000	7
K6662	S	WW	10	4	K6714	H12*	Car.	15000	i
K6663	T	WW	20	4	K6741	A20MP*	WW	20000	4
K6664	U	- WW	30	4	K6715	Y*	Car.	20000	i
K 6665	V	ww	60	4	K6742	Y25MP	Car.	25000	4
K6666	W	WW	100	4	K6676	j.	Car.	25000	ì
K6667	X	WW	200	4	K6743	Y50MP	Car.	50000	4
K6732	A400P	WW	400	4	K6677	K*	Car.	50000	2
K6668	A	WW	500	i	K6716	K12	Car.	50000	1
K6733	A550P	WW	550	4	K6717	Z*	Car.	75000	
K6734	AIMP	WW	1000	4	K6718	Z 12	Car.	75000	2
K6669	В	ww	1000	1	K6744	Y100MP		100000	1
K6719	UC500	ww	1000	2	K6678	L			4
K6735	A2MP*	ww	2000	4	K6729	UC510*		100000	1
K6670	C*	ww	2000	2	K6721	UC502		100000	2
K6704	C12*	WW	2000	1	K6745	Y200MP		150000	1
K6736	A3MP*	ww	3000	4	K6746	Y250MP		200000	4
K6671	D*	WW	3000		K6679	M		250000	4
K6705	D7*	WW	3000	2 7	K6730			250000	1
K6706	D12*	WW	3000		K6728	UC511†		250000	1
K6737	A5MP*	WW	5000	- 1	K6747	UC509* Y500MP		250000	- 2
K6738	Y5MP	Car.	50 00	4				500000	4
K6672	E.	WW	5000	4	K6680	N		500000	1
K6707	E7°	WW	5000	7	K6731	UC512†		500000	1
K6708	E12*	Car.	5000		K6793	UC513		500000	2
K6673	E.	ww		1	K6722	UC503		750000	1
K6709	F7*	WW	7500 7500	2	K6748	Y1000MP	Car.	1 Meg.	. 4
K6710	F12*	Car.	7500	7	K6681	0	Car.	1 Meg.	. 1
K6739	A10MP	WW	10000	1	K6794	UC514†	Car.	1 Meg.	. 1
K6740	YIOMP	Car.	10000	4	K6682	P	Car.	2 Meg.	. 1
K6674	G.	WW		4	K6723	UC504	Car.	3 Meg.	. 1
K6711	G7*	WW	10000	2 7	K6724	UC505	Car.	4 Meg.	. 1
K6712	G12*	Car.	10000		K6725	UC506	Car.	5 Meg.	1
K6720	UC501	Car.	10000	1	K6726	UC507	Car.	5 Meg.	. 2
	Carbon (2	K6727	UC508	Car.	9 Meg	
Car.	Caroon	erement	. w w	W1	re woul	na. 🕶 Ha	as adju	ustable	b188

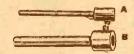
Car.—Carbon element. WW—Wire wound. *—Has adjustable bias feature. Wire wound units have adjustable plate; carbon element controls have external adjustable resistor. †—Has slotted shaft for auto sets. Supplied Less Switch.

Your Cost Each, Any of the above Controls.



Stock	Part		
No.	No.	Type	Each
K6288	6-9	S. P.S. T.	29c
K12853	8	S.P.D.T.	13.11
K 6289	7	D.P.S.T.	
K6290	13	3-P.S.T.	
K6291	14	4-P.S.T.	77

Extension Shafts



m 4	F
Type A-	Length 4".
K6561}	4" diam., 14" flat.
K6562-1	4" diam 34" flat
M 6563 3	" diam., "" flat.
Any Size	st Each 18
Your Cos	st Each
Type B-	2" long, 14" diamet
with 3"	slot. Enclosed in tig
CAA: A I	
meeting cut	our Cost21
W 9223 A	our Cost
	and the state of t

Mounting Brackets

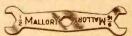


For use where control mounts off chassis. Plated metal. Adjustable chassis. Plated metal. Adjustance mounting centers. K6297—Type RB-248—Mounting centers 1½″ to 2¾″. K6298—Type RB-249—Mounting centers 2¾″ to 2¾″. Your Cost Each, Either Type

Control Hex Nuts



Volume Control Wrench



For standard volume control nuts. K6387-No. 178 Your Cost Each

P.R.MALLORY & CO. Inc.

YAXLEY Midget Jacks

Extremely compact. Mount 3%" hole. Type A-1 "Infant" jack is not illus-



No.	Part	Type	Each
K6182	A-1	Open Circuit	18c
K6183	A-2	Circuit Closing	26c
K6184	A-2A	Two Circuit	29c
K6185	A-3A	Cir. Reversing	44c
			_

YAXLEY Junior Jacks



Compact, extend only 15%" behind the panel. Heavily plated

Spiinks.
No. 701—Open Circuit. K6450—Your Cost. 29°
K6450-Your Cost
K6451-No. 702. Circuit closing.
K6449-No. 702A. Two circuit.
K6435 No. 702B. Three circuit
Your Cost, Any Type 41c
Your Cost, Any Type
K6452-No. 703. Single circuit fila-
ment control.
K6459-No. 703A. Circuit revers-
ing.
K6466-No. 703B. 3-circuit Mike,
Your Cost. Any Type 47c
Your Cost, Any Type

K6418—No. 704A. 2-check ment control.
Your Cost, Any Type. . 53°
K6479—No. 705. 2-circuit filament lighting 62°
K6448—No. 706. Interstage filament

ment control. 68° Your Cost

Long Frame Jacks



Extend 3 1/8" behind panel. Pure silver contacts. Bakelite separators.

Either Type, Your Cost Each 44c

YAXLEY Junior **Jack Switches**



with black knob; on-

off plate.
Mounts in
1/4" hole,
Panels up to 1/4" thick. 11/4" deep.
Two Position Switches

No.	Part	Type	Each
K6470	720	S.P.S.T.	\$0.50
K6471	730	S.P.D.T.	.62
K6472	740	D.P.S.T.	.68
K6473	745	5-Spring	.79
K6474	760	D.P.D.T.	.88
K6475	733	3-P.S.T.	.88
K6469	744	4-P.S.T.	1.15
The	ree Posi	tion Switch	es

S.P.D.T. D.P.D.T. 732 762 K6441 3-P.D.T. 4-P.D.T. 1.12 1.38 K 6443 764

YAXLEY Push **Button Switches** Non-locking Types Furnished

with black Bakelite knob. Mounts

in "4" hole, panels up to 14".

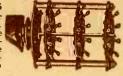
K6460—No. 2001. Make Contact.

K6461—No. 2002. Break Contact.

Your Cost, Your Cost, Either Type, K6462—No. 2003. S.P.D.T. 71c Your Cost Each. K6457—No. 2004. 2-pole, 2-con-fact. 85c

YAXLEY Gang Switches

Contact members are heavily silver plated, and given a smooth hard finish. Contact shoe, of the self-cleaning type is of silver alloy. All switches are provided with one permanent stop and one adjustable stop. Bushings ¾ and extend ¾ Pointer type, Bakelite knob supplied.



		LE GANG :	WIICHES	
Shorting	Non-Shorting			Your Cost
Stock No.	Stock No.	Circuits	Points	Each
K6247	K6263	1 Circuit	1 to 6 points	\$0.71
K6248	K 6264	1 Circuit	1 to 11 points	.82
K6249	K6265	2 Circuit	1 to 5 points e	
K6250	K6266	3 Circuit	1 to 3 points en	
K6251	K6267	4 Circuit	1 to 2 points es	
		GANG ST		1.03
K6252	K6268	2 Circuit		
K6253	K 6269		1 to 6 points e	
K6254	K6270	2 Circuit	1 to 11 points ea	
K6255		4 Circuit	1 to 5 points er	
	K6271	6 Circuit	1 to 3 points er	
K6256	K6272	8 Circuit	1 to 2 points es	ach 1.59
		EE GANG S	WITCHES	
K6257	K6273	3 Circuit	1 to 6 points ea	ich 1.56
K6258	K6274	3 Circuit	1 to 11 points er	ch 1.68
K6259	K6275	6 Circuit	1 to 5 points ea	
	FOU	R GANG S		
K 6260	K6276	4 Circuit		ach 1.94
K6261	K6277	4 Circuit	1 to 11 points es	
K6262	K6278	8 Circuit		
		GANG SW		2.41
K6281	K6283	6 Circuit		acb 3.12
K6286	K6287	12 Circuit		
110200	*******	12 Circuit	1 to 6 points ea	ach 3.97

Low loss ceramic insulation, wide contact spacing, improved heavy silver plated contacts. For trans-mitters with power up to 100 watts. 4 contacts per circ. With knob.

YAXLEY **Ceramic Switches**

No.	Gangs	Circuits	Each
K6642	1	1	\$1.21
K6643	2	2	1.91
K6644	3	3	2.76
K6645	4	4	3.47
K6646	5	5	4.32
K6647-	Special di	al plate for	above.
Numbere	d from 1	to 4.	100
Your Co			

Special Switches



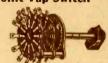
1400L-12 positions; opens one line at a time while maintaining circuit through others. 1¾x2½" wide. ¾" bushing. 2" notched shaft. With knob and dial plate. K6370-Your Cost

Midget Jack Switches

Midget Jack was a same general construction as Junior types Mount in 'A'' hole. Include black knob and pointer. No. 6446—No. 10. S.P.S.T. Your Cost 35° No. 11-S.P.D.T. K6447-Your Cost

24 Point Tap Switch

With Knoh and Dial Plate



Special single-circuit 24-point non-shorting switch. 3/9" bushing, 2" grooved shaft. Complete with dial plate and bar-type knob. \$1.88

K6371— Your Cost

TO THE PERSON NAMED IN COLUMN TO THE

BIAS CELLS 1 and 1½ volt types. For biasing high-gain amplifiers. K6419—1 volt. K6424—1½ volt.

Your Cost Holders Only for Above
K6420—For 1 Cell
K6421—For 2 Cells
K6422—For 3 Cells
K6423—For 4 Cells 18c 24c

"3100" Series Single-Gang Tap and Circuit Selector Switches



Suitable for use in many types of test circuits. 2" notched shafts, ¼" diam. With black bar knob and mounting nut. ¾" bushings. Same features as gang switches (listed above). *-Have adjustable stop.

Shorting	Non-Shorting	No. of	Contacts Per	Base	Your
Stock No.	Stock No.	Circuits	Circuit	Diam.	Cost
K6878	K6888	One	5	11/4"	\$0.53
K6879	K 6889	One	12	114"	.53
K6990	K6890	Two	2	11/4"	.53
K6991	K6891	Two	3	134"	.53
K6880	K6892	Two	6	1%"	.53
K6881	K6893	Three	4	11/4"	.65
K6882	K6894	Four	2	1%"	.62
K6883	K6895	Four	3	1%"	.65
K6884*	K6896*	One		111/4"	.97
K6885*	K6897*	Two	9	1112"	.97
K6886*	K6898*	Three	6	111/4"	1.06
K6887*	K6899*	Six	3	1112"	1.06

YAXLEY Etched Plates

Hard aluminum with numbers etched in white. Fit %" bush-Fit 3/8" bush-ings. Plates with on-off position for use with witches. Others for use with sten type controls.



No.	Marking	No.	Marking
K6224	1 to 2	K6243	1 to 15
K6225	1 to 3	K6244	Volume
K6226	1 to 4	K6235	Off-1 to 3
K6227	1 to 5	K6236	Off-1 to 4
K6228	1 to 6	K6237	Off-1 to 5
K6229	1 to 7	K6238	Off-1 to 6
K6230	1 to 8	K 6239	Off-1 to 7
K6231	1 to 9	K6240	Off-1 to 8
K6232	1 to 10	K6241	Off-1 to 9
K6233	1 to 11	K6242	Off-1 to 10
K6234	1 to 12		190
Any 1	ype, You	ur Cost	12°
K6223	-Marked	d "0-100"	". Each 15c

Push-Button Switches



Type 2190: New series for use in Type 2190: New series for use in test instruments, meter switching circuits, etc. Circuit transfer, non-shorting type; each button provides d.p.d.t. action. Low loss contact construction. With escutcheon, brown bakelite knobs, blank inserts and transparent strip for windows. No. Buttons Type Each K6615 4 2194 \$2.82 K6616 6 2196 3.53 K6617 8 2109 4.22

3.53 4.23 2198

YAXLEY Plugs and Jacks



No. 76. 3-way mike plug. Bakelite shell \$1.06 Shell. \$1.06

K6347—Each \$1.06

No. 101. 3-way Mike Jack for above plugs. Fibre shell. \$1.06

K6343—Each \$1.06

Microphone Plugs & Jacks

Signal Corps Type Jacks

Phone Jacks:
Like Sig. Corps
type JK-34 A.
Open circuit.
Takes Mallory 75;
W. E. 47A, 47B; Sig. Corps No.
PL-47, PL-48, PL-55, PL-148,
PL-155.
K6300—Each.

Mike Jack: These circuit.

Mike Jack: Three circuit. Like Sig. Corps No. JK-33A. Takes W. E. 109; Sig. Corps No. PL-46, PL-68, PL-168. Mailory 76; W. E. 110, 148; Sig. Corps No. PL-50, PL-51. **82c** K6302—Each. **82c**

TRANSCEIVERS, KITS and HEARING AIDS

MEISSNER Student's "Midget" Kits **Battery and AC-DC Models**



Adopted as standard by a number of high schools for instructional pur-poses. Excellent for any poses. Excellent for any beginner or experimenter. Not toys but real radio sets that perform surprisingly well. "Add-on" kits available to make the one tube model into a two tube, and the two into a three.

Broadcast coil fur-nished with each kit (except "add-on" kits). Shpg. wt. approx. 2 lbs. each.

K10415—1 Tube Kit for headphone reception. Requires 1 type 1E4G tube, 1—1½ volt dry cell and 1—45 volt B Battery. Less tube and

K10416—2 Tube Kit. Uses I—IC5G, I— IE4G tubes, I—I½ volt A, 2—45 volt B and I—7½ volt C batteries. Less \$3.97 tubes and batteries. Less tubes

K10417—3 Tube Kit. Uses 1—1E4G, 1—1C5G and 1—1H5G tubes, 1—1½ volt A, 2—45 volt B and 1—7½ volt C batteries. Less tubes and batteries. Your Cost

K10442-3 Tube AC-DC Kt. (3—76's). Your Cost.

"Add-on Kits" K10418—Converts a 1-tube into a 2-tube kit. Less 1C5G Tube.

K10443—Converts a 2-Tube AC-DC Model into a 3-Tube Model. Less tube (1—76). Your

Accessories For Above Kits
K10420—70 to 200 meter plug-in coil
K10421—35 to 70 meter plug-in coil
K10422—17 to 35 meter plug-in coil K10423-545 to 1500 meter (long wave coil). Your Cost Each.

K20182—1½ volt A Battery

K20179—45 volt B Battery.

K19868—7½ volt C Battery FOR TUBES SEE PAGES 12 and 13. K13896—Single Headset. K13892—Double Headset

Safavette 5-Tube AC-DC



Superhet Kit

An extremely easy kit to as-semble and wire. Not just "unassembled" parts of an ordinary midget but a kit that is

signed for educational purposes. The IF transsigned for educational purposes. The IF transformers, for example, are factory tuned and require very little additional adjustment. No padding condenser is required. Tuning range is from 540 to 1600 kc. Tube lineup: 12SA7, 12SK7, 12SK7, 50L6GT, and 35Z5GT/G. The receiver is designed for operation on 110 volts DC or 50/60 cycles AC. A pre-wound loop is incorporated but an external antenna can be used if desired. The kit is furnished complete in every detail (except cabinet) including all components, hardware, tubes, speaker, wire, solder, etc. Detailed instructions include both nictorial and schematic diagrams, aligning and

STANCOR Model DC-3 Portable-Mobile 6-12V. Lightweight Radiophone

6-12V. Lightweight Radiophone

For aircraft, marine, emergency or any application where source of power is 6 or 12V. DC. Only a little over 1/2th cubic foot in size. Built-in vibrator power supply and a variable antenna loading system. One or two crystal controlled channels between and 6.5 m readily selectable from the front panel. Antenna may be as short as 15 feet. "Press-to-talk" microphone switch controls the 8 to 9 watt carrier. Provision for connecting a milliammeter into circuit for installation adjustment of padder condensers. Complete unit easily assembled and wired. All circuit components, cabinet, shock and sorbing mountings, 8-ft. battery cable with plug and two vibrators (one for spare) supplied. Complete easy-to-understand wiring, installation and operating instructions are included. Shog. wt. 8 lbs.

K21106—Stancor DC-3 Kit as described. Assembled but not wired.

ACCESSORIES REQUIRED

TUBES: 1-6J5GT (12J5GT for 12-volt operation), 2-6V6GT's. See pages 12 and 13. MICROPHONE: Single button carbon with press-to-talk switch. Pages 30 through 34. RELAY: (Optional) miniature antenna changeover. See page 67.

ABBOTT 21/2 M. Transceiver



MEISSNER Manual



How to build all Meissner models from 1-tube right up to the FM and television receivers. Lo K19978— Your Cost Loads of diagrams. 50°

ABBOTT 21/2 Meter Transmitter-Receiver





receiver radiation to an absolute minimum. Employs Hytron HY-615A tube as superregenerative detector and HY-75, as oscillator. Also requires 7F7 and 6V6 or 6L6 tubes. Range 5 to 75 miles depending on terrain. Has built-in 5" PM speaker. Features include: ganged antenna and change-over switches, variable inductive antenna coupling, variable sensitivity and audio volume controls, etc. Size: 9x8x4½". Shpg. wt. 15 lbs. Less tubes, mike and power supply. *38.22. "B" power required is 300 volts at 100 ma. "A" is 6.3 V. at 4 amps. This can be supplied by either a vibrator-type power supply or an AC operated power supply.

For Power Supplies refer to page 20. For mikes pages 30-34. For tubes pages 62—12—13.

MEISSNER Signal Splicer

Accurately matches any antenna to any receiver. K10397— \$4.41 K10094 Extra coils for



Lafayette HIGH-FIDELITY HEARING AIDS









Battery Models

Available in two types—"Compact" and "Battery Miser". The "Compact" model (A) is an exceptionally compact unit (3x5\(\frac{1}{3}\)\(x7^{\circ}\)) in a pinseal leather-covered metal case: It employs three tubes and a single-unit battery. The "Battery Miser" model (B) is essentially the same but employs separate A and B batteries and is contained in a pinseal leather-covered wood case. Both models incorporate a "frequency compensator" for individual tone adjustment and come complete with crystal earphone with headband, cord and batteries. Shpg. wt. 5 lbs. each. \(\chi(21923\)\)—"Compact" (A) \(\kappa(21926\)\)—"Battery Miser" (B) \(\frac{3}{3}9.69\)\(\kappa(21926\)\)—"Battery Miser" (B) \(\frac{3}{3}9.69\)\(\kappa(21926\)\(\kappa(21926\)\)—"Battery Miser" (B) \(\frac{3}{3}9.69\)\(\kappa(21926\)\(\kappa(21926\)\)—"Battery Miser" (B) \(\kappa(21926\)\)—"Battery Miser" (B) \(\kappa(21926\)\)—"Ba

110V. AC-DC Models

110V. AC-DC Models

Easentially the same as the battery models described at left but for use on house current. Operates on any 110 V. AC or DC power outlet. "Executive" model (C) is housed in an attractive walnut cabinet 5½x6x4½" deep. "Portable" model (D) is in a pinseal leather-covered wood case with handle. Has compartment for carrying earphone and electric cord. Other features same as battery models. With Crystal Earphone. Shpg. wt. 5 lbs.

K21925—Executive Model (C)

K21924—Portable Model (D)

Either Model, Your Cost...

K13922—Extra Crystal Earphone*... \$3.47

K13910—External Volume Control†... \$2.63

* With 5-ft. cord. † With 10-ft. cord.



Beginners' Sets and Accessories



Philmore Crystal Sets | PHILMORE VACUUM TUBE RECEIVERS 2-Tube A.C.-D.C. Kit



(A) SUPERTONE: Has glass en-(A) SUPERTONE: Has glass en-closed super-sensitive crystal de-tector with adjustable cats whisker. Gets stations loudly and clearly. Slide contact tuning. Has posts for aerial, ground and earphones. Shpg. wt. 1 lb.

K13888—Your Cost (B) LITTLE WONDER: Like above, but detector is not enclosed. Bakelite housing. Shpg. wt. 1 lb.

"ULTRATONE" Cabinet Model

Represents the highest practical effi-ciency for crystal recep tion. Special witch matches



tuning coil to all aerials. Special low loss coil and high grade variable condenser in special cir-cuit for super results. Has enclosed detector. In metal cabinet, com-

plete. K13886—Your Cost. \$3.45

"PETER PAN Senior"



sensitive fixed de tector and is equipped with a full sized vari-able con-denser that is matched

to a spider Brings in stations excelbently. Housed in neat case 6\%x 5\%x3\%". Complete with aerial and ground wire and double headphones with headband. Shpg. wt.

Set only, less wire and headphones. Wt. 2 lbs. \$7.30 K13862—Each....

Empire Earphones



Phones have clocksteel band permanently attached.
4½ foot cord.
Lightweight. 1000

Lookslike

a real
powerset.
In Walnut fin-

ished cab-inet. Has

pre-tested crystal. Calibrated

\$1.80

ohms per phone. Single Earphone. K13896—Ea. 71c Double Headset. K13892—Ea. \$1.05

"TEE-NIE" Crystal

Set in Cabinet

dial. Complete with a special light-weight earphone and coil of aerial wire. Size: 4½x3½x2½″. Shpg. wt. 3 lbs. \$1.80

Set only, less phone and wire. Shpg. wt. 2 lbs.

Completely Wired Models—Ready to Operate Kits For Home Construction—Easy to Assemble

ONE-TUBE BATTERY SET

With this 1-tube battery set you can tune many stations. You can also have the fun of assembling it yourself—it's simple and instructive. It employs plug-in coils which permits tuning from 18 to 530 meters; this covers amateurs, airplanes, to 530 meters; this covers amateurs, airplanes, police, foreign and American broadcasts, ships at ponce, foreign and American broadcasts, ships at sea, etc. The standard broadcast coil is supplied—the others are extra. Metal chassis and panel, parts and instructions are furnished. K13839—Less tubes and batteries
Your Cost,

\$1.27 Parts Kit N13840 As above, but completely wired. Your Cost Battery Kit: 1-45 V. "B" and 1-No. 6 "A" K13841-Kit of 4 extra coils 4-prong (13-240 meters). Type 30 tube used in above set. Your Cost .72

2-Tube Battery Set

Similar to above, but uses two type 30 tubes. More powerful—will get more distance. Complete kit of parts with simple instructions and one plug-in coil to cover 200-530 one plug-in coil to cover 200-530 meters. Less tubes. \$1.49 K13842—Kit. Each. \$2.25 Two 30-type tubes. Each. 43c Battery Kit: 2-45 V. "B" and 1-No. 6 "A". Your Cost. \$2.90 K13841—Set of 4 plug-in coils to cover 13-240 meters (4 Pr.). 72c

With Speaker

incorporates a permanent analysis speaker for fine tone and volume. You need only a screw driver and You need only a sasemble. Uses incorporates a permanent magnet

2-TUBE A.C.-D.C. SET

A real electric receiver. Operates from any 110-volt outlet either a.c. or d.c. One tube used as rec. a.c. or d.c. One tube used as rec-tifier. Simple instructions. With one plug-in coil for broadcast range (200-530 meters). Cord and plug. K13845—Less tubes. \$2.25 Your Cost K13846—As above, but wired. Your Cost Two type-76 tubes. Each. 38c K13844—Set of 4 plug-in coils to cover 18-240 meters (4 Pr.). 72c

3-Tube Battery Kit 2-Tube A.C.-D.C. Kit



A swell 2-tube short-wave receiver that works equally well on either 110 volts a.c. or 110 volts d.c. Employs two 76 tubes (one type 76 used as rectifier). Metal panel finished in telephone black; plated metal chassis. Complete with one plug-in coil for broadcast band (200-530 meters). Shpg. wt. 3 lbs. K13853-Less tubes \$3.75
Your Cost.
Two type 76 tubes. Each .38c

Two type 76 tubes. Each 38c K13844—Kit of 4 coils to cover from 18-240 meters (4 Prong) 72c

You need only a screw driver and soldering iron to assemble. Uses 1-1C5G and two 1H5G tubes; low battery drain, high sensitivity. Requires only 1-1½ volt "A", 2-45 volt "B" and 1-7½ volt "G" batteries. Broadcast band coil supplied (200-530 meters). Size: 12½x5½x1½". Shpg. wt. 4 lbs. Less tubes and batteries. K13851— Your Cost. \$6.25 Kit of: 1½ volt, 7½ volt and two 45 volt batteries. \$3.38 K13852—3 coils to cover from 17-200 meters (5 Prong). .72c

easy to

3-tube

set that

Glass-Enclosed Crystal Detector

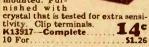
Dust-proof. An easily adjusted crystal unit equipped with a super-sensi-

tive mineral and a cats whisker.
K13916—
Each 23°



Stand with Crystal

Ball and socket swivel arm for contacting any point on crystal quickly and easily. Attractively mounted. Fur-



Fixed Crystal Detector in Bakelite Case



Supersensitive point found by meters and fixed permanently. In Bakelite case with screw connections 46° -Your Cost

ICA Crystal Set Kit

A complete kit for build-ing your own crystal set Easy to build has good volume—and



volume—and is a real nice-looking job. Adjust-able glass covered crystal—solenoid coil. K13855—Each \$1.08

Mounted Galena Crystal



Galena (lead sulphide) has been used for years be-cause of its extreme sensi-tivity. These units have been carefully selected and tested. 10 For 54c. K13900—Your Cost

Super-Sensitive Crystal Gets more stations and gets them louder. Each crystal is meter-tested after selec-

10° K13901 -- Each 10 For 90c

During the present emergency we must reserve the right to substitute like quality and make price changes without notice.

With Speaker

on 110 volts a.c. or 110 volts d.c. Includes a



3 Tube A.C.-D.C. Kit

Like above, but uses additional 6C6 tube for increased sensitivity and power. Less tubes, K13858---

Kit
2-6C6's and 1-25A7GT 51.57
K13859—Set of 6 plug-in coils (3 each, 5 prong and 6 prong) to cover 17-200 meters 51.44

Philmore Compact "TINY-TIM" 1-Tuber

drain type 1E4G tube for increased sensitivity and volume. Good headphone re-



phone re-ception on local stations. Single control knob. Colorful airplane luggage case with compartment for earphone. Complete with 1E4G earphone. Complete with 1E4G tube, single headphone, one two-cell "A" battery and instructions. No "B" battery required. Size: 5½x2½x3½". Net 1 lb. Shpg. wt. 3 lbs. K13850-

our Cost

"DWARF" 1-Tuber



A more sensitive model that gives

that gives you greater you me to lume tube. Has two controls; volume and station selector. Comes complete with a barries and complete instructions. In neat airplane luggage type case. Size plane luggage type case. Size: 5½x4½x3½". Weighs only 1½lbs. Push-type "on-off" switch on panel. Requires no "B" batteries. K13849.

Your Cost Complete

"Economy" **Aerial Kit**



Contains every-thing necessary to put up a good broadcast aerial. Includes: 90-ft. of 7/27 stranded

wire, 25-ft. rub-ber covered lead-in, lead-in strip, ground clamp, 2 nail-knobs, 2 porcelain insulators and instructions. Shpg. wt. 2 lbs. Your Cost



Cat Whiskers Finest wire—correct tension—holds that sensitive spot. K13921—

Envelope of 3.

Perfect Merchandise - Prompt Shipment - Personal Service

ADPHONES

BRUSH Crystal Phones

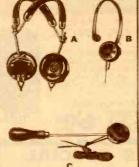
Range 60 to 10,000 c.p.s. High impedance. Molded brown cases sealed to insure against tampering. Light and comfortable.

phones. Padded adjustable headband With 5 ft. cord. \$6.47 K13924— Your Cost

Single Headset. Fig. B. Metallic headband with rubber end cushion. 5 ft. cord. K13922—Your Cost. \$3.47

Lorgnette Phone: Fig. C. Single phone with chromium and black enameled handle. Extends from 12" to 17" 5 ft. cord. Shpg. wt. 1 lb. \$4.41

K13923— Your Cost



BRANDES "Admiral" Headphones

Compact, efficient phones featuring powerful magnets, molded caps, steel head-bands with new type adjustable clips, concealed terminals. With 5-ft. cord. K13928—2000 ohms

K13929—3000 ohms Your Cost, Per Set K13930—5000 ohms Your Cost, Per Set



BRANDES "Superior" Headphones

The old standby in the radio field. Similar to above, but with exposed screw terminals. 2000 ohms.

K13925—Your Cost, Per Set.

Headphone Caps and Diaphragms

K13936—Bakelite Cap (fits all models). Each. K13935—Aluminum Cap (fits all models). Each K13937—Diaphragm only (fits all models). Each

FROST DX Specials



FROST Standard Headsets K13932—Per Pair 2000-Ohm Set... \$1.90 3000-Ohm Set.



2000 ohms imp. K13948—Per Set

Brush"Communications"



Xtal Phones Type BJ: Her-metically sealed aluminum cartridge construc-tion with overall cap of soft rubber that provides good ear seal. Yokeless seal. Yok cord with all-rubber cord and

Bakelite dia-drive. 5 ft. covered terminals. phragm—direct xtal drive. \$8.53 Your Cost Each

Headphone Adapter





For a complete listing of all types of phone plugs please refer to pages 36 and 92.

Popular Phone Plugs



For 1 or 2 phone or speaker

Has 2 openings,

at either end, for inserting two pintips. Molded body.

K13051 10c

20

900

Each

32°

Bakelite shell. 24" x 4" diam. K14974—Black K14971—Red. Each. 27° 10 For \$2.40 Metal Shell Type

Same with nickeled brass shell 3\%x\%". 10 For \$4.10 46 K14970—Each.
"Stubby" Metal Shell As above but with short metal shell. 2\%" overall. 10 For \$3.40. 38 K14959—Each.

2½" overall. 10 For \$3.40. 38 K14959—Each Midget Bakelite Plug Bakelite shell. 2½" overall x ½" diameter. Solder lug connections. K14960—Black K14963—Red Your Cost 10 For \$2.40 27 5 5 ch

Midget Metal Shell Same with metal shell. 2½" overall x½" diam. K14958. 32c **Extension Cord Connector**

Phone and Speaker Cords

Cotton Braid Insulation
Type Feet Ea

Rubber Phone Cord New double headphone cord for hospitals, institutions, etc. K13959—Double* 6-ft. 65°

Doublet

Singlet

10 For

K13955

K 13956

K13957

Cannon Ball "Chief" All Bakelite Phones



2 lhs 3000 ohms imp. K13949—Per Set

CANNON-BALL HEADPHONE KIT



When installed, the user can enjoy headphone reception only, speaker reception only or both together. Complete outfit consists of: 18" compete outh consists of the connecting cable, adapter with three-way switch and terminal jacks on an insulated panel, special Empire phones with 6-ft. cord and complete installation instruc-tions. Shpg. wt. 3 lbs.

K13944— Your Cost, Complete Kit. \$2.09

"EMPIRE" DX TYPE HEADPHONES

Made especially for DX fans. Have featherweight shells and a one-piece adjustable steel headband with adjustable clips. Each unit has a powerful bi-polar magnet and a BAKELITE CAP. Highly sensitive. Shpg. wt. 2

2000-Ohm Headset K13892—Complete. Your Cost

K13893-3000 ohms Your Cost

K13894—Cap for above. K13895—Diaphragm...





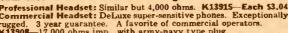
"EMPIRE" Single Unit Headsets Similar to above, but one phone. Clock-steel band permanently attached; with 4½ ft. cord. K13896—1000-ohm single set.

710 Your Cost K13897—1500-ohm single set. Your Cost 84°

TRIMM Featherweight Phones

Lightweight—only 4 oz. Beautifully made. Bakelite shell and cap. Forged cobalt steel magnets. Adjustable steel headband. magnets. Adjustable steel headband.
K13919—24,000 ohms impedance.
K13918—4,000 ohms resistance.
\$5.88

TRIMM Dependable Headset
Well made low priced set. Bakelite shells and
caps. Chrome steel magnets.
K13914—2000 ohms. \$2.48 Your Cost Per Pair



Professional Headset: Similar but 4,000 ohms. K13915—Each \$3.04
Commercial Headset: DeLuxe super-sensitive phones. Exceptionally rugged. 3 year guarantee. A favorite of commercial operators.
K13908—17,000 ohms imp., with army-navy type plug.
K13939—Same but 600 ohms impedance.
Your Cost, Either Type.
K13912—Same as K13908 but less plug.

\$9.40
K13918—Same as K13908 but less plug.
\$8.23

ARMY-NAVY Type



Sensitive and durable to meet Army and Navy specifica-tions. Extra heavy duty bakelite cap, brass shell. 17000 ohms im-

pedance; bi-polar magnets. 6-ft. cord. Moisture proof. Shpg. wt. 21bs.

K13926-\$10.95 Your Cost. \$10.95
K13927—Same as above, but low impedance type.
Your Cost. \$10.95

K14969—Army-Navy type plug. Hard rubber insulation. Black acetate shell. Fits standard phone jacks. Each.

Headphone Cushions

Soft rubber. Fit all type headphones. K13943—Pair 56° 10 Pairs for.

\$5.00

Hearing Aid Volume

Control Cord control for head-phones. Imp. 50,000 ohms. 2½x1½x1½". With 4 ft. cord. Shpg.

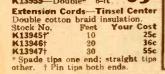
wt. 1 lb. K13890 \$1.73



TRIMM "Quiet Radio" **Headphone Attachment**



Outfit consists of a control box with Outfit consists of a control box with built-in selector switch and a head-set of special low resistance type. Easily attached to any radio. Switch permits use of headphone only, speaker only or speaker and phone simultaneously. Shpg. wt. 3 lbs. K13903—Model 647 With Acme DeLure Headset. Your Cost, Complete K13905—Model 643—With Trimm Dependable Headset. Dependable Headset. \$4.21



COILS and CHOKES for Every Purpose

TRUTEST Iron Core Ant. and R.F. Coils



HiQ (Ironcore) material adds gain and increases selectivity of r.f. transformers by improv-ing "Q" of windings.

ing "Q" of windings. The high impedance primary Antenna Coil can be used with any type aerial. Heavy alloy shield cans; 1½x1½x2½². Designed to cover broadcast band (540 to 1600 kc.) with a 365 mmf. condenser. For all types of tubes. Spade lug mounting centers 1½². No. Type Imped. K10276 Ant. High K10278 R.F. (Det.) High K10260 R.F. (Inter.) Low

TRUTEST Litz-Wound AC-DC Coils



175-550 Meters Matched high-

gain coils fur-nished unshielded

with 4-bank Litz-wound secondaries. 2¼" long, 1/8" diameter Tunes with .000365 mfd., condenser With mounting brackets and dia-

K10012-Antenna coil.	
MARGOR DE O "	-
Your Cost Each	30°
Your Cost	59°
	_ ,



Tube Base Short-Wave Coils

Wound on Bakelite tube bases with 4 prongs. Covers 16 to 225 meters. Tunes with either .00014 or .00015 mfd., con-

K9981—Set of 4 coils Your Cost, Special

TRUTEST Shielded & Unshielded R.F. Chokes





All purpose r.f. chokes, available unmounted or housed in crackle finished metal cans 1 ½" in diam. All universal-wound, accurately rated and factory tested. Thoroughly impregnated—will give long, trouble free service.

Unshie	Ided		Shi	elded
Stock No.	Cost	Milli- hen.	Stock No.	Cost
K10133 K10099			K10240 K10241	38c 38c
K10100 K10101	27c 32c		K10242 K10243	41c 49c
K10134	32c	30	K10244	51c
K10135 K10136	39c 39c		K10245 K10246	57c 59c

TRUTEST R.F. Chokes



Four pie wound sections on Isolantite form. 2.5 mh., 150 ma. 50 ohms d.c. resistance

distributed capacity 1 mmfd. 15c K10106—Each.
K10107—Same but heavily 19c impregnated. Each.
K10109—2.1 mh., 250 ma. 23c heavy duty choke. Each. 23c

HIGH GAIN I.F. UNITS Trutest

Highly efficient design for use where space is limited. Employs dual tuning trimmer on Ceramic base, adjustable from

	of installa- threaded I secondary	eld can. All tion. Size of ug mounting windings are	leads are RM the metal sh Diagram for single pi-wo	IA color-cod ield can is 1 urnished. P und.	led for ease 1/8 x 1 2/8 x 3"; rimary and
1	Freq.	Input	Output	Interstag	
1	175 kc.	K10021	K10016	K10015)	
: 1	262 kc. 456 kc.	K10017	K10025	K10018	DO.
1	456 kc.	K10022	K10034	K10027	





TRUTEST Antenna Coll Primary Windings

Designed to replace defective or burned-out antenna coil pri-maries. Will fit over maries. Will fit over the old coil. All high impedance.



K10116—Fo	or 1¼" O.D. coi	oils Type
K10118 —Fo	r 3/8" O.D. co	ils Each
(10114 —Fo	r ½" O.D. co	oils 15c

SERVICEMANS SPECIAL

456 Kc. Iron Core I.F. Coils

Here's another Lafayette "can't be beat" special! Now you can buy compact high gain IRON CORE i.f. coils at a price just slightly higher than for ordinary air core coils. Improve your service work. All 1½" square, 2½" high. Long leads. Metal shield cans. Shpg. wt. 1 lb. K10045—456 Kc. Input I.F. K10048—456 Kc. Output I.F. Your Cost, Either Type



Trutest Shielded Litz Wound R.F. and Antenna Coils

COVERS 17S TO 550 METERS

Will service over 90% of the receivers on the market. Have high-impedance primaries for screen-grid tubes, and Litz-wound secondaries. Completely shielded in round metal cans 1½" diagrams. Two 6-32 spade bolts for mounting.

K10077—Antenna Coil.

K10085—R.F. Coil. Your Cost, Either Type.



5-TUBE KIT

4-TUBE KIT



Trutest Plug-In Coil Kits

Space wound on molded Bakelite forms 1¼" in diameter and 2¼" high. Have rims for easy handling. Tune with .00014 mfd. con-

K10040—Kit of 4 coils covering 10-200 meters.
Your Cost.

K1008

6-Prongs—3 Windings K10042—Kit of 4 coils covering 9.5-200 meters.
Your Cost.

\$1.08 K10041—Broadcast coils. Two

\$1.62 9.5-200 meters. \$1.62 your Cost. \$1.62 \$ Two K10043—Broadcast coils. Two coils. 100-570 meters. \$1.27

PLUG-IN COIL FORMS

Blank Bakelite forms only, for winding coils to your own spec's. K10060—4 prongs K10061—5 prongs K10062—6 prongs Your Cost Each, Any Above Type.



Stock

K2478°

K2498 60

K2491 15, 15B, 150

COMPLETE UNITS

CROSLEY

MAJESTIC

10149

Replacement I.F. Coils COIL ONLY coils for popu-lar receivers.

8. 10 8-	No.	Make & Model	No.		Your Cost
l.		MAJEST	1C (C	ont.)	
e y e	K8440	15, 15B, 150	4428	1st	\$0.35
-	K8441	15, 15B,			40.55
		150	4429	2nd	.35
	K8455	210	6127	3rd	.58
ır	K8457	310A. 330	7812	2nd	.58
	K8460	460 -	10149	1st	.40
st	K2452	460	10253	2nd	-49
	K2452	800	11014	2nd	.49
-	K8463	290, 300,		Pri-	. 72
z		310, 330,		mary	
		460, 520, 800	7187	Coil	.40

R.C.A.-VICTOR

80, 82, 86 8567 80, 82, 86 8565 80, 82, 86 8566 K2451 460 10149 *Complete, less shield can. 1st 1.16 We can supply replacement coils for all standard receivers. Let us know model number, make, where coil is used, band covered, etc., or send defective coil. We will quote lowest price.

K2504

2nd \$0.7

TRUTEST Universal Adjustable Coils



mounting facili-ties so that they may be mounted in the original shield or used un-shielded. In view of the fact that shielded coils will be increasingly hard to get it will pay every service-man to put in a small stock of each

Any Type K10125 Antenna K10126 Auto Radio Ant. K10127 R. F. K10128 Oscillator*

Designed for use in 100-470 kc. superhets with padder or cut-plate tuning condenser.

Bakelite Ribbed Plug-In Coil Kit



On ribbed, natural color Bakelite forms. Space windings. Wave-range

On ribbed, natural colo Bakelite forms. Space windings. Wave-range printed on card on each coil. For .00014 or .00015 mfd. tuning. Windings comprise tickler and grid input. 4-PRONGS—2 WINDINGS Set of four 4-prong coils cover 15 to 217 meters. \$1.47 Two coils to cover 10-550 meters. K9983—Your Cost. \$1.13

Ribbed Bakelite Forms Unwound coil form as used in above kit. Of molded Bakelite 2½" high, 1½" in dia. With rimmed tops. Stock No. Prongs Your Cost

K9988 K9989 Each 21

GIANT Coil Forms

Low-loss amber, ribbed for air-spaced winding. Have knurled flange for easy handling, and groove for wave-band index. 2½" in diameter, 3½" high, 3½" winding space; eight ribs.



RIBBED FORMS 85 4 Prongs 44c 86 5 Prongs 47c 87 6 Prongs 54c Medium Coil Forms K14387

As above, but undrilled and 1% diameter, 3% high. Bakelite. K9630—4-Prong K9631—6-Prong K9632—6-Prong



.58

7½ mh. For all types of sets. On tube with lugs. K10259-

Meissner Coils For Every Requirement

"Cart-Wheel" I.F. Replacement

Same size and style of I.F. transformer as used in most of the midget sets. Trimmer base and sup-porting dowel made of molded plastic. Accumoided plastic. Accurately wound coils, May be used as input or as output transformer. Designed for 456 kc. operation. For under chassis mounting. Size: 1½x1½x1½x1½ high overall. 65ck10385-Your Cost Each

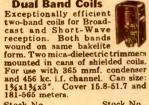


Ferrocart (Iron Core) **Band Expanding**

I.F. Transformers Razor sharp to "high fidelity" selectivity at will for C.W. or broadcast reception. Two units provide almost "single signal" selectivity in the "sharp" position. Simple 2 or 3 position switch provides change-over in band width. Black crackle metal can 1%x1%x3%". Double tuned with mica trimmers. Complete tuned with the William Complete tuned with the Willia

Your Cost Each ...

Dual Rand Coils



Stock No.		Stock .	No.
Shielded	Туре	Unshie	
K10253	Ant.	K102	
K10254	R.F.	K102	
K10255	Osc.	K102	258
Shielded. Your Cost E	- ah	\$1.7	15
		_	_
Unshielded. Your Cost I		\$1.7	\mathbf{a}
Your Cost I	ach		, •
K10231-Pa			
for above			. 80c
K10232-3-g Switch for ab	ang 2-po	sition Ro	tary 1.03
O 100 Et 101 Et			

Three-Band Coils Similar in design and construction to Dual Band Coils above, but cover three bands. All types are in shield cans 11/4x1/4x4" and are designed for use with 456 kc. i.f.s.



Thinne

B'Cast-Police and S.W.

Covers 16.2 to 555 meters with any

450 mmi.	condenser.	
No.	Туре	Each
K10338	Ant. Coil	
K10339	R.F. Coil	\$2.27
K10340	Oscillator	M.W. 1
K10341-	-Pad. Cond.	Kit80c
K10389	-3-gang 450	mmfd. Vari-
able Con	denser for a	bove \$3.82
K10390-	-3-gang, 3-	position Ro-
tary Swit	ch for above	\$1.32

MEISSNER I.F. Manual

Essential data on I.F. transformers used in practically all sets now on the market. Includes important chapter on installation and alignment. 254 pages 7½x4". wt. 1 lb. K19781—Your Cost.....

Meissner "Plastic" L.F. Coils Stable—Compact—Wide Range

A new transformer in which the trimmer base and the coil form (dowel) are moulded in one piece. The use of a special plastic material permits holding dimensions to

within .0005". Tri with an air-gap beta Wide range. Compa Specially-served Li can. Unaffected by	ween the bottom act in size; 1½ tz wire. Doub	n plate and " square by le tuned.	plastic base. y 2½" high. Metal shield
175 262 370			Interstage K10374* K10377 K10380 K10383

New Ferrocart (Iron Core) "Plastic" LF.'s

		- (,	
No.	Type	Set At	Range	Your Cost
K10325	Input	456	380-600	97c
K10326	Output	456	380-600	97c

Ferrocart (Iron Core) I.F. Transformers

For Servicemen who want to "pep up" old radio sets and give them more gain and selectivity than they had when new also for experimenters who want high-gain I.F. systems with exceptionally good selectivity—Meissner Ferrocart (Iron Core) I.F.'s are just the thing. Double tuned with low-loss trimmers. Accurately made of the best materials and oscilloscope-tested or gain and selectivity. Mounted low-loss trimmers. Accurately made of the same and oscilloscope-tested or gain and selectivity. Mounted and oscilloscope-tested or gain and selectivity. Interstage K9697* K9698

	re RMA-			DIACK	CLECKIE	-11
Set at	KC	Range	KC	In	put	
175		127-2	06*		690	
456		360-6		K9		
1500		1050 to				
	Range in					
YOUR	COST E	ACH,	Any T	ype		

OSCILLATOR COILS

For 190 to 550 meter broadcast band. Used with .000365 mfd. condenser; impregnated. Shielded type is 1½" high, 1½" diam. These coils can be used with any I.F. x'fmrs. and any r.f. and antenna coils.

Padder condensers not supplied.

No.	Freq.	Padder	No. Un-	Ł
Shielded	Kc.	Mmfd.	shielded	ı
K10029	175	900	K10028	ı
K10031	456	350	K10030	п
Shielded			62°	п
Your Co	st Eac	h	04	ı
Unshielde	ed		400	b
Your Co	st Eac	h	40	П
Padders	or abo	ve,	Each	П
K9779-			33c	в
K9770-	350 mm	ıfd	29c	I
	,			Ł.

De Luxe Midget Ant. and R.F. Coils

High quality compact coils for Broadcast band coils for Broadcast band coverage with a 365 mmfd. condenser. Same overall gain as large coils. 4 bank Litz wire windings, high impedance primaries. Black crackle cans 1½x1½x2°.

K10046—Ant. Coil

K10046—Ant. Coil K10047—R.F. Coil Each. 65° "Wireless" Phonograph

Oscillator Coil Has knob for frequency adjustment. Instructions and diagram furnished. 134x134x334".

K10010—Oscillator Coil or Phonos. \$1.29



MEISSNER "Ferrocart" Wave Traps

DUAL UNIVERSAL MODEL: Tunes to both I.F. doud-to-five RSAL MODEL: Tunes to both 1.F.

(400-475 kc) and broadcast (550-1950 kc) bands
eliminating interference in both.

K10014—Your Cost.

DUAL BROADCAST MODEL: As above but both
sections cover broadcast (550-1950 kc) band. Provides maximum attenuation. Shpg. wt. 1 lb. \$1.71

Same as above but for I.F. code elimination only.

K9967—Shielded (in metal can)....58c K9969—Less shield.

High "Q" Coil Dope and Cement

	Meissner cements are among the finest available today.	
	High "Q" Cement for RF coils, etc. Maintains "Q"	١.
	holds fast. In 2 oz. can. Shpg. wt. 6 oz. K15365—Your Cost	
•	12. High quality solvent for "High Q" cement only. 21	C

K15369—2 oz. can. Esch
Colladion. Quick drying. For coils, cones, etc.
Collodion. Quick drying. For coils, cones, etc. K15367—2 oz. can. Your Cost.
Radio Cement. Use where great tensile strength is needed. 29c K15366—2 oz. can. Your Cost.
K15366-2 oz. can. Your Cost
Thinner 11. Solvent for lacquers, cement, collodion, etc. K15368—2 oz. can. Your Cost
K15368-2 oz. can. Your Cost

De Luxe Air-Tuned Iron Core I.F. X'formers

High gain Ferrocart (iron core) I.F. trans-formers tuned with the famous "Align-Aire" air-tuned trimmers. Excellent for communica-tions and other receiv-

PER T

Output K10375 K10378

K10381 K10384

Output

K 9687

ers where absolute stability is essential. Dust proof cover. Non-microphonic. Air trimmers permit 3600 degrees of micrometer smooth tuning. Double tuned. Black crackle finished cans 2x2x4 ½".

Stock No.	Set at KC	Туре	Freq
K10264 K10265 K10266 K10267	456 456	Input Interstage Output Output CT	415 to 540
K10153 K10155		Input—or Interstage Output	1325 to 1750

"Permeability Tuned" I.F.'s

Drift-proof transformers similar to the above but permeability tuned with adjustable iron cores.

1/4x1/4x3/4".

K10386—456 kc.* Input
K10387—456 kc.* Output
Range 440-500 kc. Output
*Any Above Each.

Compact Ant. and R.F. Coils

Meissner quality! Compact coils designed particularly for use where space is limited. 190-550 meters with 365 mmfd. variable condenser. High impedance primary. Litz secondary. Form is ½" diam. 1½" dogs 2" high. Shpg. wt. 1 lb. es.

SHIELDED

K10005-Ant. Coil | K10006-R.F. Coil | Each 39 UNSHIELDED K10003-Ant. Coil K10004-R.F. Coil Each. 29°

"Universal-Adjustable"

Iron Core Antenna, R.F. and Osc. Coils

Will replace broadcast band coils in prac-tically any receiver. Will accurately track with other coils in the

receiver when prop-erly adjusted. Exact inductance of burned out coil easily matched with screw driver adjust-ment of the iron core. Will improve gain and selectivity. Oscillator coil can be adjusted from 175 to 520 kc. and used with either cut plate or padding condenser circuits. Black crackle cans 1 1 gauare, by 2 1/2"

high. Stock No. Type K10120 Antenna K10121 R.F. \$1.2 K10123 Oscillator

Unshielded Coils As above but without shield cans
K10007 Antenna
Each
K10008 R.F. K10009 Oscillator

We can supply any Meissner product not listed at usual discounts. Give Meissner number when ordering.



Modern Slide-Rule Dials



New style slide rule dials. Accommodate both ¼ and ¾" shafts. Universal scale, with broadcast kc. and Shortve mc. Complete with light sockets, antique



Iight sockets, antique finish escutcheon and unbreakable crystal.

Type A. Requires panel opening 1½x
1½x5½". Ratio 7-1 over 180°.
Escutcheon size 2½x6½".

K9811—For Clockwise Condenser.

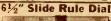
K9812—For Counter-clock Cond.

Your Cost,
Either Type

1.56

Either Type

Your Cost, Either Type \$1.56





Beautiful Pyralin scale calibrated from 550 to 1700 kc., 5.5 to 18 mc. and 100 to 0 degrees. Panel opening 55\(^4\)x2". Ratio 9 to 1. Hubtakes \(^4\)" or \(^3\)a" shafts. \(^4\)" diam. knob shaft. With escutcheon (3\(^3\)x65\(^4\)") and crystal. 2 pilot light sockets. Shpg. wt. 3 lbs. \(^4\)807—For clockwise condensers. \(^9\)808—For counter-clockwise condensers.

condensers.

Either Type, Each. \$2.85 | 3 lbs. K9901—Your Cost. \$2.29

\$1.25 2-Band 63/4" Dial



Calibrated from 550 to 1500 and 1500 to 550 kc. (also 0-100 and 100-0) for clockwise or counterclockwise or counter-clock wise condensers. Cable driven. Ratio 6 to 1. Knob shaft 1½x½". Hub takes ½" and ¾" condenser shafts. Antique finish escutcheon with pyralin window. Panelopening required:5½2½". With pilot light socket. Shpg. wt.

Modern Airplane Dials



Precision built dials featuring sturdy construc-tion, positive action, smooth tuning and fine appearance. Friction drive type. Calibrated transluscent celluloid scales printed with easy to transluscent celluloid scales printed with easy to read figures. Scales protected by convex glass crystal. Fit both ½" and ½" condenser shafts (reducer bushing furnished). Each has two pilot light sockets. All complete with attractive statuary bronze finish escutcheon.

Calibrated 520 to 1600 kc.; 1500 to 4600 kc.; 5.8 to 15.8 mc. Ratio approx. 11 to 1 in 360°. Scale dia. 4¾", panel opening 5".

K9905—Clockwise rotation
K9007—Counter-clockwise rotation
K9017—Counter-clockwise rotation
K9018—Clockwise rotation
K9018—Clockwise rotation
K9018—Clockwise rotation
K9018—Counter-clockwise rotation

8 to 1 in 300°. Scale dia. 3.77°, panel opening 8 to 1 in 300°. Scale dia. 2.42°, panel opening 2.42°.

K9932—Counter-clockwise rotation Each.
Calibrated 550 to 1600 kc.; 0 to 100. Ratio approximately 5 to 1 in 360°. Scale dia. 2.42°, panel opening 2.42°.

K9912—Clockwise rotation Each.

73°

41/2" Slide Rule Dial

brated r o m 550 1 5 0 0 a n d 1 5 0 0 to 550 kc. for c.w. and



condensers. Knob shaft is 11/4x 1/4". Hub takes both 1/4" and 1/4" condensers. Escutcheon plate with pyralin window and 2 pilot light sockets included. Requires 1 1/4x 3 1/4" panel opening. Wt. 2 lbs. 31/4" panel opening. K9900

\$1.88 Your Cost

phosphor Bronze Dial Cable



	liner	core.		
No.	Strands	Feet	Each	K9942
K9933	42	5	50.19	K9943
K9934	42	25	.70	K9944
K9935	42	50	1.32	
K9872	42	100	2.35	
K9936	16	5	.06	K9939
K9937	16	25	.22	K9940
K9938	16	50	.36	K9941
K9881	16	100	.65	K 9882

Bakelite Vernier Dials

Ideal for use in the construction of communications receiv-ers and similar apparatus, or to re-place other types. No gears to strip-no backlash. Mold-ed walnut bakelite



construction. Scales are calibrated 0-100-0. Available in 3" and 4" sizes only. Offered at exceptionally low prices.

K9813—3" size Your Cost Each	55°
K9814 4" size Your Cost Each	65°

Linen Dial Cable

All types are of black woven linen exactly as used in most receivers. High tensile strength. Special Thin Cable

	K9889	25 ft.	44c
		Light Cable	
		(approx. 1/4" diam.)	
	K9942	5 ft.	18c
	K9943	25 ft.	65c
	K9944	100 ft.	52.35
ı		Heavy Cable	
1		(approx. 1/4" diam.)	
ı	K9939	5 ft.	19c
ı	K9940	25 ft.	78c
Į	K9941	50 ft.	\$1.45
i	K 9882	100 ft.	2.65

WALSCO "UNIBELT" Adjustable Dial Belts

Four sizes meet all replacement re-quirements. Belts are adjustable; can durements. Detts are adjustance; can be cut to measure using scissors or diagonal cutters. Zipper like fastening gives instant strong, durable connection. Can't slip or stretch—have special latex covering and cores of tempered, highly flexible clock-spring steel. Full instructions and paper ruler supplied.



Stock No. Adjustable From Each 6¾" to 10"
10½" to 13½"
14½" to 17½"
19%" to 22¾" K 9945 28c 28c K9946 M 9947 K9948

UNIBELT KIT Kit of 10 Unibelts comprising 3-K9945, 4-K9946, 2-K9947, and 1-K9948. 32c | 1-K9948. 32c | K9949 - Per Kit. 52.74

Drive Rubbers Eight different types of

drive rub bers for

Exact Duplicate Drive Cables

	Wille Capies	
We	can supply any cable, bane	d o
	t on order at lowest prices.	
	822-Atwater Kent 35, 37	150
		24
		15
	828—Bosch 58, 60	
	921-Brunswick 15, 22 front	
	922-Brunswick 15, 22 rear.	
K 9		21
	844—Kolster 6J	
K 9	847-Majestic† 70, 71, 72	12
M 9	848—Majestic 70, 71, 72	94
KO	DOSE Majestict 10, 11, 12	
	925 Majestic 52, 60	
	927—Phileo 71	
K O	928—Philco 91	
		180
	853—RCA 16, 17, 18, 33	210
T 4	2 strand. ‡ 18 strand.	

Non-Slip Dial Compound



Garod

Dial Drive Springs

High grade steel wire rust-proof springs. Five sizes take care of all requirements. Kit of 10 Assorted Springs (all sizes).

K9890—Net
Kit of 10 Springs (small sizes

Dial Cable "Thrift Spool"



only). K9891—Net

Economical and practical assort-

dium linen cord and special thin cord (total 45 ft.). Shpg. wt. 1 lb. K9879— 970 Each

Special Dial Drive Spring Assortment



A handy kit for the serviceman. Box contains six different hard to get

dial drive tension springs. Total of 25 springs in all. Offered at an un-usually low price. Shpg. wt. 1 lb. K9892-Per Kit

J F D Woven Fabric Dial Belt Kit



Assortment of 25 fabric belts which will replace those used on a great number of dials of popular radios. The assortment is housed in a handy enameled steel case and is furnished with a measuring chart. case and is furnished with a measuring chart.

FREE—80 page book on replacement belts and ballasts included!

K9832—Shpg. wt. 2 lbs. Your Cost. Per Kit

.67

J F D Woven Fabric Belts

Belts also available separately as listed below.

IMPORTANT: Order by Stock No. Give Belt No.

-(Specify Belt No.) Your Cost Each

Belt	Size	For	Belt	Size	For	Belt	Size	For	
1	613/6"	Zenith	22	10116"	RCA	49	1511/4"	Zenith	
2	7"	Zenith	23	10%"	RCA Airline	50	1656	RCA	
3	728/2"	Emerson	27	101/8"	Airline	56	7156"	Airline Emerson	
4	872	Belmont	28	10194	Zenith	59	715/2" 83/8"	Emerson	
6 7	719/4"	RCA	30	113/6"	Fada	60	815/6"	Zenith	
	719/4"	Belmont	1		Grunow	61	73/2	Emerson	
10	811/6"	Fada	33	1111/20"	RCA	62	87/6"	Emerson	
11	834"	Emerson	34	1111/2"	Sparton	63	994"	Airline	
		RCA	36	1134"	Crosley	64	10%	Airline	
12	825/2"	RCA	37	11152"	Fada	65	113%"	Airline	
13	813/6"	RCA	38	1236	Zenith	67	1234"	Admiral	
	0 7/6	Airline	39	125%"	Admiral .	68	175%"	Admiral	
14	85%"	Fada	40	121/2"	Zenith	69	123/4"	Admirat	
		Silvertone	41	121/8"	Fada	72	815/4"	Emerson	
15	91/2"	RCA	42	1213/4"	RCA	76	91/8"	Zenith	
16	95/8"	Zenith	43	121/6"	RCA	77	1314"	Zenith	
		Airline	45	1278"	Silvertone	79	113/6"	Zenith	
17	9116"	Zenith	46	135%	Zenith	80	93.8"	Zenith	
18	1021/4"	Emerson	47	1411/16"	Sparton	84		Zenith	
19	10"	Garod	48	151/2"	RCA	87	163/6"	Admiral	

K9909-

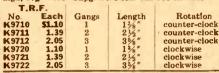
VARIABLE CONDENSERS

TRUTEST 2 Gang Compacts

nd Accessories

Mutent Gang Condensers

All feature heavy metal plates, ball bearing rotors and bakelite insulation. All have low-loss end plates. Two and three gang units supplied with trimmers on the side. Shafts ¼" dia., 1¼" long. Each with split bushing for ¾" dials. All 1½" high, 3½" wide. Shpg. wt. 2 lbs. All 365 mmfd.





456 Kc No.	Super Each
K9798 K9799	\$1.85
K9796	1.45
K9797	2.10

Super Each	Shpg. wt.	vi m	o. (Eac
	L 40120*	15		
\$1.85	K10190* K10191*	25	-	0
2.60				7
2.00	N 40403#	EΛ		



With all the features and characteristics of larger units. Ideal for limited space apparatus. Rotor and stator plates, firmly staked into position. Lo-loss bakelite insulation. Improved ball bearing. Counter-clockwise rotation for all types. 1/4" shafts. Overall dim.: 13/4x13/4x13/6" deep. Less trimmers.



Tutest

K10196 250





Trutest Midget Condensers

For communications receivers and transmitters. Compact, rugged and highly efficient. Ceramic insulation, sturdy lug terminals, single hole mounting feature, etc. '4" shaft plated to resist corrosion. With mounting nut. Shop. wt. 1 lb.

K9728—Capacity 3.5 to 25 mmfd. 4 plat K9731—Capacity 6 to 80 mmfd. 11 plate	es. Each
--	----------

Walnut Bakelite Knobs

Either Type

gets.

Molded and polished bakelite knobs for 1/4" shafts. All are set screw type except those marked with * (are marked with * (are push-button knobs).





	F	G	H
ck	Dia.	Cost	10 For

	Stock	Dia.	Cost	10
Туре	No.	.ln.	Each	For
CC	K9736 K9737	*4"\	5°	400
D	K9660	15 16 "	70	65c
E F	K9657 K9655	1"	8c	72c
G* H*	K9661 K9696	31.64"	3°	25°



Ceramic Trimmers and Padders

Sizes from 25-100 to 225-650 mmfd. are 1/8 x 1 1/8"; others

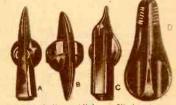
No.	Mmfd. Ea	ch No.	Mmfd. E	ach
K10173	25-100 1	l6c K10179	325-1000	33c
K10174	75-225 1	8c K10180	400-1200	36c
K10175		1c K10181	500-1400	38c
K10176		23c K10182		42c
K10177		26c K10183	700-1800	45c
K10178	275-825 3	31c		

DUAL SECTIONS-1%" Square K10186 20-90† 16c K10188 100-300† K10187 50-180† 18c †Cap. Per Section. 21c

Midget Trimmers Compact trimmers for all purposes. Each is 3-30 mmfd. Insulation Each



Pointer and Lever Knobs



Polished bakelite. All have filled pointers except "D" (has ridged top). For 1/4" shafts

No.	Lgth.	Ht.	Type	Each	10 For
K13027	21/4"	5/8"	(A) Black	7c	590
K13028	11/4"	5/8"	(A) Black	6c	55c
K13029	21/8"	5/8"	(B) Black	9c	85¢
K13055	21/4"	5.2."	(C) Black	7c	590
K13052	21/4"	5/8"	(C) Red	8c	75c
K13053	11/4"	9 16 "	(C) Black	5c	45c
K13024	114"	3/4"	(C) Red	7c	650
K9650	15/8"	19 2 "	(D) Black	7c	650
K9651	21/2"	5/8 " 19/15" 19/15"	(D) Black	8c	750

Precision Vernier Dials



Have etched calibrations graduated from zero to 100 Large flanged knob has bushing for 1/4" knobshafts.

	200	Shpg. wt.	1 lb.
Stock	Dia.	Degrees	Your
No.	In.	Rotation	Cost
K14236	4"	325	\$1.35
K14237	23/4"	325	1.00
K14238	4"	180	1.35
K14239	234"	180	1.00

Other accessories supplied on order. Write for prices.

X'mitter Knobs For 1/4" Shafts D





Size 1½" d 1½" d 1½" d 1½" d 2½" d 2½" d

d. 160





DEE

В

U



All black bakelite (except * which are black lacquered wood).

No. Type Size Each 10 For No. Type Size Each 11½" d. 23c \$2.07 K13014 D 1½" d. 1 K13018 A* 1½" d. 12c 1.08 K13005 D 1½" d. 2 K13004 A 1½" d. 26c 2.34 K13013 D 1½" d. 2 K13017 A* 2½" d. 16c 1.44 K13012 D 2½" d. 3 K13011 A 2½" d. 32c 2.88 K9885 E 1½" d. 3 K13011 A 2½" d. 32c 2.88 K9885 E 1½" d. 1 K13010 A 2½" d. 3 K13010 A 2½" Éach \$1.53 138" d 158" d 238" d 118" d 118" d 118" d 1.89 2.43 21c 30c 10c 2 70 10c .90 30c 2.70 3.70

41c

Two-Speed Planetary Drive Unit

Anxiliary speed reducer its on con denser shaft back of panel, or on dial knob shaft. Ratios 5 to 1 and 1 to 1. Fits any round shaft. K9887—Each

\$1.32

Knobs For Above: Set of 2. for high speed shaft, small for slow speed. Black. K9888—Per Pair. 126

Radio Knob Felts

K13010

K9896

K13053 K13055

AB

ror use behind radio knobs to prevent rubbing and scratching of cabinets. Kit contains 25 feits. This han-dy item should be included n's kit. For use behind radio knobs 18°



Johnson Handle **Indicators**

Etched scales, zero (on left) to 100. Bakelite handles. No. 204. 4" scale. K13015—Your Cost. 59c No. 206. 6" scale. K13016—Your Cost. 73c

Gear Reduction Unit



Can be attached to any variable can be attached to any variable condenser not equipped with a reduction drive. Ratio 6 to 1. Has 1/4" drive shaft with set screw. Has anti-backlash spring. Shpg. wt. 34 lb.

shafts. K9621—For ¼" s Your Cost Each

Shaft Couplings and Bushings

3.42 K9886 1.44 K13007 .35 K13008 .50 K13009



For coupling controls, condensers, etc. Stock No. Fig Size Insul. K15014 K15006 K15008 K15017 Inches Brass K15000 Coupling AAABB K15001 K15002 K15004 Coupling Coupling Extender Extender K15005 K15003 3/8 x 1/4 " 1/4 x 3/8 " 10 For 10 For 99c
Your Cost Each, Any Type K15009

SPLIT BUSHING Fig. C. For increasing shaft diam. from ½" to ¼". Brass, ½" long.

K9730—Your Cost Each

Control of the control

BRASS AND FIBRE SHAFTINGS

ons. ¼" diameter. Fine for extensions. Fach K15010-6" Brass 11C K15012-12" Brass 23C K9744-K15011-6" Fibre 11C K15013-12" Fibre 23C Your Cost Each

FLEXIBLE 1/4" SHAFT COUPLER

For use in coupling two ¼" shafts or for extending a shaft at an off-set angle. Insulated. K9751—Bakelite Your Cost Each 30c Each K9750-Ceramic. 38c

Panel Bearing Assembly

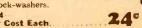


For use with rigid or flexible coupling when mtg. volume controls, condensers, etc., back from panel. For up to 5/16" panels

K9563-3" long.		Shaft.			. 22c
K95626" long.				à	. 27c
K9564-Bearing	only	. Each	 		 119

Dial Drive For RCA Sets

Duplicate replacement RCA Part No. 2999. Used in Models R-7A, R-9, R-43, R-10, R-11, R-8, RE-18, RE-26, RE-16A, R-4 and R-6. With friction rubber, screws and lock-washers.





AMPHENOL Above Chassis Sockets



Chassis type bakelite socket, in aluminum sheli. 13/16" shell. 13 4 a above sub-panel. Has 4 knock-outs for leads, plus flange for mounting. Ideal for mounting on work benches,

for mounting on the breadboard radios, etc.

K13100 K13102 Any Type Above, Your Cost Each

K13103 7 S K13104 7 L 121/2c

Pronga

K13105—7 L.&S. K Either Type Above, Your Cost Each. K13106-8 Oct.



Loktal Sockets

Replacement type. With adapter plate for 1½" to 1%" mtg. centers or ring type without plate adapter plate for 122 to 178 lines, eenters or ring type without plate for 132 hole. Bakelite.

K13040 With Plate. Ea. 11c K13045 With Ring only. Ea. 10c

MILLEN Sockets

Much higher Stea-tite body used to provide increased insulation. Barriers separate all contacts, permitting use of higher than ordinarily used



voltages. No. Mirs. No. Prongs Each K 8045 33004 33005 24° K ROAT 33006 K 8049 33008 Octal



Molded **Bakelite** Sockets

Prongs No. P K13090 4 K13091 5 K13092 6 K13093 7 L & S K13080 8 octal

Each 10 For 24° 52.16

Combination Sockets K13095—4, 5, 6 prong K13096—5, 6, small 7 prong 10 for \$2.16 Each, Either Type 24°

LOW LOSS SOCKETS



K12644

Base Mounting Unaffected by weather conditions. Efficient sockets that cut losses to an num. Excellent for

absolute minimum. Excellent for transmitters and high frequency **Prongs** K12636 47c 50c K12638 7 L & S

"Eye" Tuning Indicator

8-octal



For installation in any set having AVC. 6-prong type requires 6E5 or 6G5 tube for 6.3V. sets; 2E5 for 2.5V. sets. 8-prong type requires a 6AD6G or 6AF6G. Easily installed

complete instructions. K11480-6-prong K12645-8-prong Either Type All less tube, Each. K11481—Extra bezel 73°

AMPHENOL Standard Tube Sockets



Type "A" is designed for general replacement work and has a steel adapter plate to fit mounting centers from 1½" to 1½". Type "B" is for new work and requires only a single 1½" hole, being held in place with a retainer ring, unusually easy to mount. Both types available in Bakelite and Stea-available in Bakelite and Stea-

easy to mount. Both types available in Bakelite and Steatite. Steatite being especially desirable for transmitters, high power amplifiers, etc. 9 and 11 prong sockets are for Amphenol connectors. 76 sockets fit small and large base tubes.

No.	Bakelite	44A**	Bakelite	44B**	Steatite 4	'A"
Prongs	Stock No.	Ea.	Stock No.	Ea.	Stock No.	Ea.
4	K13057	7c	K13207	61/4c	K13194	24c
5	K13058	7c	K13208	61/2c	K13195	24c
6	K13059	7c	K13209	61/2c	K13196	24c
78	K13061	- 7c	K13210	63/2c	K13197	24c
7L	K13060	7c	K13211	61/2c	K13198	29c
7C	K13056	9c	K13237	8c		
8	K13050	9c	K13212	8c	K13199	24c
9	K13041	11c	K13213	10c		
- 11	K13042	15c	K13214	14c		



ow loss

Top and sides glazed.

Re-enforced

springs. 2¼ "long, 1% "wide.

Centers

No. K13064

K13065 K13066

K13067 K13068

No.

K13072

K13076

K13079

530

Amphenol Miniature Tube Sockets

For the New RCA, Hytron, Raytheon and Cetron Baby Tubes

For the new miniature tubes of all makes for use in hearing aids, pocket radios, remote controls, measuring devices, etc. All mounting holes \(\frac{\psi}{n} \) except Raytheon (\(\frac{\psi}{n} \)). Correct retainer ring supplied with socket.

For RCA Tubes
Designedfor1S4,1S5,1T4 and 1R5.
K13173—Black Bakelite.....10c
K13172—As above, but of molded polystyrene for UHF work. 21c

For Hytron Tubes
Designed for HY113, HY115,
HY125. K11542-Black Bakelite. 10c

Ceramic Sockets

Prongs

8 octal

No. 12 EBY Sockets

Prongs

For Raytheon Tubes For CK501, CK502, CK503, CK504.
K11598—Black Bakelite. Each.

For Photo Cells

Designed to fit RCA Pee-Wee and Cetron CE-5BB, CE-20 photocells. K11599—Black Bakelite.



10 For \$2.70

2.70 2.85

3.70

Each

27c

24°

29°

30c 30c

32c

41c

Molded Bakelite. For sub or top of panel mount. Firm gripping positive contacts.

Sturdily con-structed of lam-inated Bakelite. Heavily-plated, self-aligning, floating one-piece contacts. Midgets have centers; standard 111/6

3	canuaru	Size	
Stock No.	Prongs '	Your Cos	t Ea.
K13070	Four	1	
K13078	Five		C
K13071	Six		
K13069	7. small	10 For.	450
K13074	7. large		
	Midget	Size	

New Wafer Loktal

"Miniature" Wafer

For the ultra-compact all glass tubes (% dia.) 7-pin type. Mtg. center,

1½" Mtg. Centers. Each 10 K13075—8 prong. 6c 5

No. K13114 Prongs Each 10 For Four K13115 K13121 Five Six K13122 K13125 7, small 7, large 8, octal K13127

8 octal **Bulb Tester & Tube Socket**



A standard 7-prong combination socket, as used in most tube

as used in most tube testers, but with an additional large center contact for testing all and in flashlights, dial lights, etc. Genter contact has pig tail for connection to heater contact and a soldering lug for connection to other heater contact thus making it possible to test bulbs with all woltages. sible to test bulbs with all voltages from 1.5 V. to highest supplied by transformer in tester. Easily in-stalled in place of socket now used in your present tester. Two styles— with plate or with mounting ring. See illustration top of page.

K12646—with mounting ring. . 25c K12647—with mounting plate. . 26c

freq. reception. Glazed tops, sides; underneath "Ceresin" treated. Subpanel or base mounting. "Guide groove". 2½x1½". 12½"



45c 45c 48c

JOHNSON Sockets

AMPHENOL "MIP"

high-dienective black bake-lite, with molded-in plate for 1½" Cannot come mounting centers. Cannot come loose or rattle. Strong, dependable.

Prongs Your Cost Ea.

Midget "MIP" Octal Smaller, more compact than above. Has 154" mtg. centers. Octal, 8

mtg. centers. prongs, only.

K13225—Your Cost Each...

K13243—"MIP" Loktal Type.

M o l d e d
polystyrene
base. Fine
for U.H.F. work. Long lugs. 8 pr.
Caution: Solder fast! Do not heat
beyond 200° F. 11%" hole—1 1/3"

HAMMARLUND

Isolantite Sockets

100

"World's" Strongest

Socket"

Molded from high-dielectric

Stock No. Prongs K13164 4 K13165 5

7, small 7, large 8, octal

K13166

K13167 K13168

K13169

Each Poly-

Styrene Ultra

Lo-Loss

Socket

centers. K13170-

K13170—Octal
Your Cost Each
K13160—Loktal
Your Cost Each

Ideal lo-loss sockets for im-proved high

K13224 11



Low-absorption porcebase. Heavy phosphor bronze con-tacts, cad-mium-plated, with double fila-

ment springs. Heavy nickeled brase shells.
K14169—UX base.
Your Cost.
K14161—50 Watt base.
Your Cost.
K14157—Giant 5-prong socket, for RCA 803, RK 28, etc. \$1.47

Acorn Clips and Sockets

SERVICEMANS SPECIAL



10 For

Molded socket Replaces wafer types. Mounting centers 1 16

450

K13174—4 pr. K13176—5 pr. K13176—6 K13177—6 pr. K13177—6 pr. K13178—7 pr. S. 8 (octal)

K13097—Each.....

SC Each 25 for \$1.10 Quantity Limited.



Acorn Socket— Made of genuine My-calex, 1%" square for 954 and 955 type tubes. Rugged spring contacts assure tight

noiseless connections.

K13171—Your Cost.

K13175—Special grid clip
for 1851 tube. Each.

K13156—Complete socket and mount for 922 and 921 tubes. Cost.

* *

CENTRALAB "Positive" "Spring Return" Switches



Lever Action
Each switch supplied
with knob. Plates
available for mounting singly or in groups

up to live.				
Shorti	ng Typ	e	Non-Short	
No.	Poles	Pos.	Action	No.
K12825	2	3	Positive	K12799
K12826	2	3	Spring	K12800
K12801	4	2	Spring	K12802
K12804	4	2	Positive	K12803
K12805	2	3	Pos. & Spr	. K12806
Any T	ype A	bove	,	FOC
Each				77

Mounting Plates

No.	Gangs	Dimen.	Each
K12794	1	25/8× 3/4"	12c
K12795	2	11/2x 3/4"	18c
K12796	3	21/4x11/2"	21c
K12797	4	3 x21/4"	26c
K12798	5	3%x3"	29c



CENTRALAB Tone **Switches**

Rotary Action All are shorting type: have % "dia. bushing with ¼" insulated steel No knobs or plates.

Stock No.	Descri	ption	Each
K12768*	S.P.	2 pos.	29c
K12769*	S.P.	3 pos.	29c
K12770*	D.P.	2 pos.	35c
K12820*	D.P.	3 pos.	44c
K12771†	S.P.	2 pos.	.38c
K12772†	D.P.	2 pos.	44c
K12773†	4 P.	2 pos.	59c
*-Pos. A	ction. †-	-Spring Re	eturn.

Slide Lever Switches



Compact type with silver plated contacts. Rated 1½ amps. at 110 v. 1½x½; centers 1½.

No.	Type	12c 13c 14c
K12842	S.P.S.T.	12c
K12843	S.P.D.T.	13c
K12844	D.P.S.T.	14c

Terminal Strips



	/ bakelite t		
" thick.	Plain, no	mark	ings.
No.	Terminals	Ea.	10 For
K13145	2	6c	52c
K13123	3	7c	62c
K13112	4	10c	89c
K13113	6	15c	\$1.35

Heavy Bakelite Strips



Screw and	collar te	rminals	mount-
ed on 1/8"	bakelite s	trips, 3	8" wide.
No. 7	Cerminals	Ea.	10 For
K13140	2	10c	89c
K13141	3	13c	\$1.15
K13142	4	18c	1.60
K13143	5	21.c	1.85
K13144	6	24c	2.15
K13230	7	29c	2.60
K13231	8	35c	3.15
K13232	9	40c	3.55
K13233	10	46c	4.00



BAKELITE MOUNTING STRIPS

For mounting parts which are to be in-insulated from

The same of	cha	assis. Ti	nned.
Stock No.	Lugs	Each	10 For
K13124	1	2c	18c
K13133	2	3c	27c
K13134	3	3€	27c
K13135	4	4c	36c
K13137	6	4c	36c

CUTLER-HAMMER Switches

Cutler-Hammer Switches are approved by the Underwriters.



Toggle Switches Approved type with nickel plated metal parts. All rated at 3 amperes at 250 volts except K12834 (3 amps. at 125 v.).

	Stems 11/2	
Your Cost, E	ach	\$1.89
K12835—1" S Your Cost,		
10 for		\$2,05
Single Pol K12834—1/4"		Throw

\$2,25 Your Cost, Each ... Double Pole-Double Throw K12833—1/2" Stem 43° K12833—1/2" Stem Your Cost, Each Double Pole-Single Throw

K12817—1/2" Stem Your Cost, Each 41c



Light pres

sure, quick action preci-

sion units. Require only

C-H Power **Switches**

Heavy duty types. Rated at 250 volts A.C. or D.C. Wiping contacts. 182" bush-

ch a

K12813 K12814 K12815	S.P.S.T. 6 D.P.S.T. 5 S.P.S.T. 12 D.P.S.T. 10	41c	\$3.69 3.95 6.30 6.65
MITTOTO	D.1 .5. 1. 10		0.00

Precision Switches

A oz. pressure and .001" of movement to operate. Underwriters approved. Rated 15 amps. at 125 volts a.c.; 1/4 H.P. inductive loads at 125—460 v. a.c. Bakelite case 111/4/x11/4/1 high. Screw terminals with lugs. Used for sorters, counters, float controls, etc.

No. Type Normal Each
K12725 S.P.S.T. Closed
K12726 S.P.S.T. Open
K12727 S.P.D.T \$1.08

S.P.S.T. Toggle Switch



New design, last ing s.p.s.t. toggle switch. Excellent for appliances, radio re-ceivers, etc. Rated 3 amperes at 125 volts a.c. \(\frac{4}{3} \) bushing. Sol-der lug terminals. New design, fast act-

K12837 Your Cost Each

S.P.S.T. Slide Switch



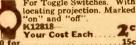
16°

Approved by Underwriters. Bakelite case, metal 6 amps., 125 v. hole. 37ccst. 33.35 "on-off" plate. 6 am Requires 1/2 1/2" hole. K12841—Your Cost. 10 for

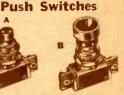
S.P.-3 Throw Exposed type. Dead center position. 1/2" shaft, with hex. nut. K12831— 46° 10 for

Single Pole-Double Throw Similar to above. 1/2" K12832—10 for \$1.98 shaft Your Cost, Each.

"On-Off" Switch Plates For Toggle Switches.







In normal position, with plunger out, one circuit is "on", and the In normal position, with primage out, one circuit is "on", and the other "off". When plunger is depressed, circuits are reversed. Slow make, quick break momentary contacts. Rated 75 watts at 125 v. s.c. Bushing 1½" dia., ¾" long.

H & H Two Circuit

METAL PLUNGER (A)
Used on Supreme instruments and other popular makes

32° 10 For Each

BAKELITE TIP (A)
K12777—Red
K12778—Black
S3.15

BAKELITE BUTTON (B) K12775—Red K12776—Black Ea. 41 c10 For K12776—Black

FEDERAL Anti-Capacity Switches |



Springs are phosphor bronze silver-plated, actuated by a cam roller. Minimum capacity.

Type D.P.S.T. D.P.D.T. 4-P.D.T. Stock No. K12852 K12851

Your Cost \$1.65

Canopy Switch

Rotary type, composition top. Very shallow. Wire leads. Rated 6 amp.

volts. K13342 12^c 10 For . \$1.08



base. Single double pole			
Stock No.	Туре	Your	Cost
K16830	S.P.S.T.		410
K16831	S.P.D.T.		460
K16832	D.P.S.T.		54c
K16833	D.P.D.T		620
K16834	3-P.S.T.		860
K16835	3-P.D.T.		950
K16836	4-P.S.T.		1.08
K16837	4-P.D.T.		1.35

Midget Knife Switches



Panel mount-ing. Have black Bakelite bases, plated metal parts. Single pole types 1½" long, ½" wide; long, 1" wide, Your Cost

Bakelite

Knife

Switches

double pole 1 1/4 " le With mtg. nuts. No. Type Each S.P.S.T. S.P.D.T. 16c 27c K16843 K16845 K16844 32c D.P.D.T

Centralab Momentary **Push Switches**



For many light duty applications such as meter insertion, test equipment, etc. Rated 1 amp. at 110 v. a.c. Silvered contacts. Insulated ment, etc. Nated 1 amp, at 110 v. a.c. Silvered contacts. Insulated 3/4" bushing, 3/4" long. Button extends 3/4" from end of bushing. Available with contacts normally

K12862—Momentary closed
K12862—Momentary open
Either Type, Each

Porcelain Base Knife



Switches Especially suitable for aerial and ground. Copper contacts

	and	blades.
Stock No.	Type	Your Cos
K16820	S.P.S.T.	12c
K16821	S.P.D.T.	15c
K16822	D.P.S.T.	22c
K16823	D.P.D.T.	25€
K16825	3-P.D.T.	49c

Bracket Lug Strips



Lugs on 1/6" bakelite strip. %" between centers. Heavy duty type. For mounting con-

\$1.26

densers, resistors and other radio parts. Lugs are tinned for easy soldering. In four popular sizes. No. Lugs Each 10 For No. K13031 K13032 K13033 3 8c 72c 9€ 81c

11c

140

H. & H. Rotary Panel **Switches**

Rated 3 amps., 125 volts Approved type. W locknuts. Shaft extends 1". Bushing With lug terminals

No.	Type	Each	10 For
K12779	S.P.S.T.	21€	\$1.89
K12693	S.P.D.T.	25c	2.25
K12780	S.P.S.T.*	28c	2.50
K12781	D.P.S.T.	41c	3.69
K12782	D.P.S.T.*	46c	4.15
K12783	D.P.D.T.	44c	3.95
K12784	D.P.D.T.*	48c	4.30
	ovtonde 1"	Other	a 3. "



CLAROSTAT Rotary Switches



Compact, positive contact Underwriter's Ap-

proved Switches. Bakelite molded construction. Rated 1 amp., 250 volts; 3 amps., 125 volts. 134 diam., 36" body depth: bushings are 36" diam. 132" shaft

1	Stock	Your Cost		
ı	No.	Description	Each	
ı	K12845	S.PS.T	29€	
i	K12846	D.PS.T	35c	
i	K12847	S.PD.T.	35c	
I	K12848	4-Wire, S.T.	35c	

K13034

BINDING POSTS PLUGS & JACKS and CLIPS

EBY Binding Posts



Non-Removable Tops

Specially designed for use on metal chassis. Stud has hole for wire or phone tip.
K13082—Junior Post
Has 6-32 stud, ½" long.
Your Cost Fach

K13083—Ensign Post Has 6-32 stud, 5/8" long. Your Cost Each 15° K13084—Commander Post Has 8-32 stud, 3/8" long. Your Cost Each

EBY Twin Post Units

Two posts molded into a Bakelite K13062-Your Cost \s above, but with three posts. K13063—Your Cost

Insulated Posts Red or black composi-tion top. Plated ferrule. ion top.

Specify color, 10 For 72c K13163— Your Cost



Binding Post With Banana Jack Top

Hole in top takes banana plug. Hole in stem for wire. In red or black. Specify color when ordering. K12945—12 For \$1.50 our Cost 140

Split Type Banana Plug



Insulated, Fit standard banana

scandard banana jacks. Set screw in harrel for solderless connection. Positive spring action. Plug 1/2 long; overall 11/4. Red or black; specify. 100 K12902-Each 90c

Spring Clamp Binding



Post Assembly

on Bake-lite strip
2" long, "4" wide. Centers 1"18".

Marked "Ant" and "Gnd".

10 For \$1.35

K13049 Your Cost.

Spring Clamp **Binding Posts**





Test Lead Kit

a convenient leatherette pocket case. Insulated ittings are provided for every type of testing. Equipped with one pair of test leads having 60" of red and black kink ess wire; one end



has insulated phone tips, the other insulated removable banana plugs. Also includes: one pair insulated alligator clips; one pair insulated spade plugs; one pair insulated needle points (all 1-red, l-black). K12861—Each \$1.76

Cable Clamps

Heavy gauge steel. No. 6 mtg. hole. Plated. K14951—14 "cable. 4 For 3c K14952—1/2" cable. 3 For 5c



Insulated Tip Jacks



Molded Bakelite Insulated Tip Jacks

Large diameter molded
Bakelite heads take all
phone tips. Phosphor
bronze springs. With insulating

K12877—Red K12878—Black 10 c Each K12878—Black

Compact Tip Jack

Mounts in a single 14 K12948 Your Cost



AMPHENOL Phone Tip



Jacks Bakelite body. Takes Bakelite body. Takes standard plain or sol-derless phone tips. Mounts securely by means of snap ring. Requires ½ "hole. Red or Black—specify color desired. K12765— Each. 41/2 C

High Voltage Jack
13000 V. Tip Jack. As above but
½" diam. For x'mitters, etc. Red
or Black. Specify color.
K12766—Your Cost Each.

Insulated Banana

Jacks and Plugs

Plug has set screw for solderless wire connection. Jack fits ¼" hole and panels up to ¾" thick. Red or black insulation on both. Specify

Midget Banana

Plugs and Jacks

Insulated plug is 1" long and jack

%". Plain plug is %" long; lack is 1/2" and fits 11/2 hole up to %". In-

y and fits "hole up to %". Insulated types available in red or black. Specify color desired.

K12905—Plain plug.

12 For. . 49c 100 For. . \$3.75

K12907—Insulated plug.

K12908—Insulated jack.

6 ca.

87c

Plain Solderless

Phone Tip Plugs

10 For 100 For \$9.40

10 For 100 For 81c 57.70

99€

color desired. K12915—Plug

K12916 Jack

Per Dozen

Tip Plug

Fine Quality. K14881—10 For

connection. 15%" long. K12943—12 for 75c

Your Cost Each

As above but 1 1/8" long.
K12944—12 for 65c

Your Cost Each

Phone Tip and Lug Adapters For Prods

Plain Tip Jacks

For test equipment. Powerful spring. 1/4" mounting hole.

K12918

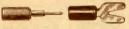
Combination Jack

New type, takes both phono tips and banana plugs. Fully insulated, with insulated washer. In red or black. Specify color desired. K12925—Your Cost Each. 10c

All Insulated

Tip Jack

Countersunk ½" d. head.
¾" overall. Fits ¾" hole.
Bronze spring. Each
K12934—Red
K12935—Black
10 For 52c



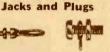
Handy little adapters for use with any banana plug, or test prod fitted with a banana plug end. Enable you to fit them to either tip jacks or binding posts. Red or Black-Spe city color.

K12913—Phone tip end. K12914—Spade lug end. Each, Either Type 10 For

Plain Banana

Qc





Plug is 11/8" long. Jack is 5/8" long and fits 1/4" hole in panels up to 1/8" thick.

Dual Circuit Plugs and Jacks



16°

All metal tip plug for tip jack use. Solderless

\$1.44

Dual circuit tip jack and plug hardly larger than the ordinary single circuit. Overall: plug—1 ¾ x 1 16"; jack—1 ½ x 26". Available in red or black. 11/4 x ½ ". Available in red or black.
K12930—Red plug
K12931—Black plug
K12932—Red jack
K12933—Black jack
K12933—Black jack

Right Angle Tip Plugs



Streamlined plugs with set screw for solderless connections

24°

K12937—(A) Specify red or black.
Your Cost Each. 16c
K12984—(B) Red.
K12985—(B) Black. 24c

Solderless Insulated Phone Tip Plugs



Solderless type:
fit all standard
tip jacks. Used
on test leads. In red or black;
specify color.
K12973-1½" long prod.
K12974-1½" long.
Per Dozen. Either Type.
S1.08

MALLORY 520 Series

Round Head Jacks Compact type. Insulated tops. Mount in "hole. Panels up to %" thick. K6534—Red Each

K6534—Red K6535—Black K6536—Yellow K6537—Green Per Pair, 1-red, 1-black K6538—Your Cost



Insulated Tip Jack

No. 420 Series Bakelite. Phone tips nest all the way in ack. Mount in a single hole. K6505-Red K6506-Black 12c





Twin Jacks Circuit is closed when the tips Red or Black.

Specify color. No. 432. K13035—Your Cost...

24°

Alligator Clips

Powerful grip. Ends take -

Ends take banana plugs. 2% clip is ½ vide, 2% clip is ½ vide, 2% clip is ½ vide. Steel non-rusting finish.

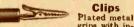
No. Length Each 10 For Sc 45c No. K12955 K12956 Copper—V with bronze spring.

Has set screw.

Has set screw.

Langth Each 10 For K12947

Insulated Alligator



sulated handles that take banana plugs. Handles in red or black; plugs. Handles in red or black specify. Steel non-rusting finish. No.

Length Each 10 Fc K12911

24" 11c \$0.95

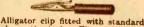
Length Each 10 For 24" 11c 50.99 314" 13c 1.17 24" 13c 1.17 -with bronze spring.

Phono Needle Plug



Constructed so that the in-Constructed so that the insulated sleeve will take a banana plug, and the proditself will make positive contact with the banana plug. Tip holds phono needle (needles easily replaceable). Overall length 114". Red or black resister. black; specify color. 10 For 90c —Each.

Alligator Phone Tip Jack



phone tip jack. Fits test prods equipped with phone tip ends. Red or black—specify color. K12880—10 For \$1.60 Your Cost Each.



Tip Jacks Mounted on signature. Contact springs grip

cord tips securely. K13037—Double jack. Each. 6c

Triple jack Sc 10 For 72c Your Cost

FOR PHONE PLUGS AND PHONE JACKS PLEASE TURN TO PAGE 92.



T BUILDERS ACCESSORIES

Steel Screws and Washers



10/32 oval head screws. The cup washer, also 10/32 is designed to match the screw head in appearance.

Stock No.	Length	12 For
K14775	1/5"	5c
K14776	1"	7c
K14777Cu	p washer	4 -
Your Cost		60
	/32 x 3/8 nuts	for above
screws.		100
Envelope of	20	10c
Per 100		45c





BELDEN Terminal Assortment



Contains 100 most popular solder terminals. For all servicing and set building requirements. In transparent container. K14790—Your Cost

Angle Brackets With Tapped Holes Heavy gauge steel. One 8-32 tapped hole, one 5-32 plain hole.

0. 1.17		40 = -	F4
Stock No.	Size	10 For	
K14909	1/2 x 1/2"	20c	21/2C
K14910	35x 56"	25c	3c
K14911	1/2 x 1/2" 1/2 x 5/8" 1/2 x 3/4"	32c	31/2c

Threaded Rods

Ideal threaded rod for making your long screws. Easily th. In 12" lengths. length. In 12" lengths.

K14913—6-32 size. Per Lgth...12c

K14914—8-32 size. Per Lgth...12c

K14918—10-32 size. Per Lgth...14c



Your Cost Per 100 Insulating Tubing



In natural smooth black. 1/6' thick wall

35c

Cut to ve	our length,	any size.	
Stock	Out.	Per	Per
No.	Diam.	Foot	Inch
K13150	1"	56c	5c
K13151	11/2"	68c	6c
K13152	2"	80c	7c
K13153	21/2"	98c	9c
K13154	3"	\$1.29	12c
Natural		lor, 16"	Wall
K13129	1/4"	39c	316c
K13130	3.8"	39c	314c
K13131	12~	45c	4c
K13132	3/4"	49c	41/2c
SITATAT	/4		

FAHNESTOCK Clips





Type A, Screw Mount, Double Clip.
Type C, Screw Mount, Single Clip.
Stock Lgth. Per 50 Lgth. Doz. No 10c 12c 8/4 K14824 29c \$1.10

Split Lock Washers K14791—For No. 6 screws K14792—For No. 8 screws -For No. 10 screws K14793



Fits either type. W 11" lead and pin-tip. red or black. Specolor with order K11728

Your Cost Ea. 19c Rubber Insulated Clip

Soft rubber outer cover-Each with approx. ing. Eac 12" lead.

No. Type Each K11620-For 866, etc. 14c K11621-Glass tubes . 8c K11622-Metal tubes . 8c

MILLEN Grid Cap



Isolantite cov-ered grid cap, for transmitting tubes. Type 866

K8055—Type 36001 Your Cost Each

Screen Grid Clips

Miniature Clips for Metal Tubes. With wire ferrule. K14985— Per Doz. 14c 2c

For Glass Tubes
For Standard Glass Tubes.
K14827—2c 12 For 100 For
Each 14c 99c

NATIONAL Grid Clips





Type B. Safety Grip of molded low-loss R-39. 1/4" dia. For 866, T20, 809, etc. K14597—Each Like above, but ceramic. 24c K14598 Each

As above, but ceramic and %" K14599 - Each

Universal Grid Cap

Makes perfect contact to any tube grid stud from ¼" to ½". Spring

%". Spring brass contact spreads to accomo-date the stud. Fits all metal and with 15" wired insu-With 15" wired insuglass tubes. lated lead.

lated lead. K11730—Each K11731—Unwired, Each

Friction Tane

Highest quality Kept fresh by tin-foil wrapper, and packed in individual boxes. Handy rolls.



	67	
K14829-2 Oz.	Each	90
K14842-4 Oz.	Each	150
K14843-8 Oz.	Each 2	250
		_



Rub-R-Shim

Strips of shock proof live sponge rubber. One side adhesive coated. 10-ft. rolls.

Each 10 For 26c 52.35 W.xT. K14861 K14862 400

Snap Fastener Battery



K11732—Set of 2 (1 male, 1 female). 10 sets for 25c.
Your Cost

Scotch Tape For insulating or binding radio parts. Hi-adhesive quality. Very flexible, easy to remove. ½ inch wide. 360 inches

K15039-Your Cost

We can supply your every radio requirement, Write for Information on items not shown here.

MUELLER Clips and Rubber Insulators





5c

60

10 For

10 For

10 For

Spring actuated clips for lab., test and battery uses. Type 27 and 27C are laboratory types with mesh teeth on three sides, others have teeth in front only. Soft rubber insulators cover entire clip as shown. Listing below shows insulators opposite proper size clip. All packed 10 to a box; clips are marked + and - (5 each), insulators 5 red and 5 black.

CLIPS INSULATORS Type | Size | Each | 10 For Type | Each | 10 For K16031 K16031 K16029* 11/2" \$0.32 8c \$0.55 45 45C 47 .54 .34 .68 6c 4c K16030† K16032* K16033 K16035 48B 49 26 3" 21/2 21/2 4" 24A 19c 12c K16026 27 27C K16028 K16019 1.17 K16018 † Solid copper

Cadmium plated steel. ! Lead coated steel. No. 85T Mueller Crocodile Tip Clip

For connecting Bridges, Voltmeters, etc., or anything having binding posts with non-removable heads. Fine for test prods.

K16023—Your Cost Each

No. 85. As above, less phone tip.

K16020—Your Cost Each Rubber insulator for either of the above, No. 87 K16021 Your Cost Each

MUELLER Wee-Pee-Wee Clip

Non-Ferrous R.F. Clip. Will not heat in high frequency circuits. Ideal for tapping coils. Length 1 ½ 6". Completely insulated with Red or Black jacket (specify color desired. No. 88-93).

14 c 10 For K16022—Your Cost Each



Jacket Type Tube Shields

Will form-fit all glass tubes. Bodies consist







Bantam **Tube Shields**

Designed especially for the new 1.5 volt and bantam "GT" and bantam "GT" tubes or other "T-9" bulbs. A vailable with and without grid-cap, as described below

K13259-Plain shield, without cap. One-piece, grounds automatically

Your Cost Each

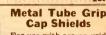
"Form-Fit" Shields



Smooth, seamless drawn walls as-sure a snug, posi-tive fit on the tube. Vertical grooves provide flexible fit, and the shield automati

cally grounds to the tube base For GT tubes: 1.218" base. K13256—Open top. K13257—Closed top. or GT/G tubes: 1.165" base

K13246—Open top. K13247—Closed top For Loktal Tubes: K 13247 Each, Any Type Above





For use with screen grid metal tubes Oc K13217-Ea.

AMPHENOL Polystyrene Coil Form

For U.H.F. antenna, RF and oscillator coils. Mounts directly on waveband switch, tuning con-denser, etc. Drills easily. Size: 1% " long, ¾ " dia. Raised hole in center, for self tap-

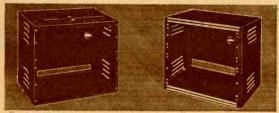
ping screw. K11577—Your Cost

Polystyrene Rods



Molded from pure polystyrene. 6" and 12" lengths for machining special coil forms and low loss parts. K8074—¼" dia. x 6" L 11c 10 ms and low 1/4" dia. x 6" L 1/4" dia. x 6" L 1/4" dia. x 6" L 1/4" dia. x 12" l 1/4" dia. x 12" l K8075-23€ dia. x 12"

STEEL CABINETS FOR RACK PANELS



Heavy duty calinets built of 1/4" steel and finished in black ripple Standard and DeLuxé models. Standard models have square re-enforced corners; spot welded joints. DeLuxe models have neatly rounded corners and are decorated with attractive chromium trim. Both types are universally drilled to take all standard 19" rack panels. All have louvres and latch covers. All take chassis 13" deep. De Luxe available with slate gray finish on special order.

gray gray gray and a product of their						
STANDARD STEEL CABINETS						
Stock	Cahinet	Panel	Door	Shpg.	Your	
No.	Dimensions	Space	Location	Wt.	Cost	
22194	81/x19x131/4"	8%x19"	Top Only	20 lbs.	\$5.08	
22070	12 12 x19x13 14"	121/x19"	Top Only	27 lbs.	6.32	
22193	171/x19x131/4"	171/2x19"	Top & Rear	34 lbs.	9.41	
22192	26 1x19x13 1/4"	26 14x19"	Rear Only	47 lbs.	10.29	
22190	35 x19x131/2"		Rear Only	55 lbs.	12,05	
	DELU	XE STEEL	CABINETS			
22188	101/2x21x131/4"	8%x19"	Top Only	22 lbs. 1	7.79	
22071	14 x21x1334"		Top Only	29 lbs.	9.41	
22191	191/x21x131/4"	171/x19"	Top & Rear	34 lbs.	12.49	
22198	28 x21x13½"	26 14x19"	Rear Only	69 lbs.	13.96	
22199	36% x21x133%"	35x19"	Rear Only	73 lbs.	15.88	

Hinged Steel Cabinets



KKKK

K22191

Employ full plano-hinged doors, and re-movable front panels. Modern grille type ventilation provided at the sides and back. Front top corner is rounded. Finished in black ripple enamel. All Less Bases.

No.	H. L. D.	For Chassia	Each
K22072	71/4×101/4×6"	51/2x91/2x11/2"	\$1.76
K22073	714x 8x8"	7x7x2*	1.76
K22074	7%x10x8"	7x9x2"	2.06
K22075	7%x14x8"	7x13x2*	2.26
K22076	9x15x1034"	10x14x3"	3,53
K22077	12x18x12"	10x17x3"	4.12

De-Luxe Hinged

Steel Cabinets
Attractive streamlined cabinets, with full length piano hinge and removable front panel. Ventilating louvres on sides. Finpanel. Ventilating louvres on sides. Fin-ished in slate gray ripple enamel. All less

chassis.	Wts. sa	me as	above.	
No.	H. L. D.	Panel	For Chassis	Each
K22087	8x10x8"	8x8"	7x 7x2"	\$2.40
K22088	8x12x8"	8x10"	7x 9x2"	2.65
K22089	8x16x8"	8x14"	7x13x2*	3,50
K22090	9x17x11"	9x15"	10x14x3"	4.95
K22091	12x20x12"	-12x18"	10x17x3"	6.25



Sloping Front Cabinets

Trimmed with red-striped chrome moulding, with slate gray ripple finish. Front panel removable. Rear with openings for ventilation, leads, etc. Less chassis.

Stock		For	Shpg.	Your
No.	H. W. D.	Chassis	Wt.	Cost
K22092	8x 8x 8"	7x 7x2"	6 lbs.	\$3.25
K22093	8x10x 8"	7x 9x2"	7 lbs.	3.65
K22094	8x14x 8"	7x13x2"	8 lbs.	4.25
K22095	9x18x 8"	7x17x3"	10 lbs.	4.95
K22096	12x18x12"	10x17x3"	14 lbs.	6,50

Standard Speaker



Substantially made from sheet steel, with louvred back cover with slots for wall hanging. Fin-ished in black

Cabinets

	rippie ename					
Stock No.	Spkr.	Size Cabinet	Shpg. Wt.	Your Cost		
K22140	6"	10x10x6"	8 lbs.	\$2.35		
K22141	8"	12x12x7"	9 lbs.	2.94		
K22142		14x14x8"	15 lbs.	3.80		
W 22142	10#					

Table Racks



Shpg. wt. 33 lbs. \$3.97 K22103—32" high. Panel space 28x 19". Shpg. wt. 36 lbs. \$5.15 Shpg. wt. 33 lbs.

Heavy Duty Type 16" Steel Chassis With **Bottom Cover Plates**



One piece 1/4" steel. All corners re-enforced. Ends drilled to fit standard mtg. bracket. All black wrinkle finish.

No.	W. L. D.	Lbs.	Each
K22155	8x17x2"	9	\$1.71
K22229	8x17x3"	10	1.91
K22231	11x17x2"	11	1.91
K22156	11x17x3"	12	2.06
K22230	13x17x2"	13	2.23
K22232	13x17x3"	14	2.44

1/6" Steel Mtg. Brackets

Panel

must be at least 7" high.

Mounting



	drilled.	
Stock No.	Size, Base	Per Pair \$0.56
K15272	11"	.82
K15269	13"	1.00

Metal Chassis



Standard Type Steel Chassis Bases



Stamped from one piece of No. 20 gauge cold rolled steel. Have four solid sides with welded corners. Bottom edges flanged in on four sides for additional reinforcement, and are drilled for bottom plates.

dimed to	a corroni bia	ites.	
Stock	Size	Wt.	Your
No.	D. L. H.	Lbs.	Cost
K22211	514x914x114	" 2	\$0.55
K22212	7x 7x2"	2	.65
K22213	7x 9x2"	2	.69
K22214	7x11x2"	3	.79
K22215	7x13x2"	3	.85
K22216	7x15x3"	4	.97
K22217	7x17x3"	4	.99
K22226	10x12x3"	4	1.03
K22227	10x17x3"	5	1.05

Black Ripple Finish Steel Bottom Plates

Bottom plates have holes to match the steel chassis listed above, and have pressed "bumpers" at the cor-

ners.		
Stock	Size Wt.	Your
No.	D. x L. Lbs.	Cost
K22228	51/4x 91/4" 1	\$0.29
K22233	5x10" 1	.29
K22240	6x14" 1	.38
K22241	7x7" 1	.32
K22242	7x9" 1	.35
K22249	7x11" 1	.41
K22256	. 7x13" 2	.44
K22258	7x15" 2	.47
K22260	7x17" 2	.50
K22265	10x12" 2	.50
K22266	10x17" 2	.65

Heavy Steel Rack Panels, Black or Gray



Heavy duty ½ steel panels for all standard 19" racks. Available with either black ripple finish or with commercial slate gray ripple. These panels don't collect dust—and they don't show finger marks. Available in 12 standard sizes to meet practically any requirement.

Black No.	Gray No.	Ht. In.		Your	1
	K22118			\$0.47	
	K22119 K22120			.53	
	K22121 K22122	7	8	.73	i i
	K22123		10	1.09	

Black No.	Gray No.			You
	K22124 K22125	1214	12 13	\$1.29
K22165	K22126 K22127	15%		1.65
K22167	K22128 K22129	1914	16	1.97

Steel Channel Racks

Built of 1/4 "steel with spot-weld-ed corners. Finished in ripple black. Designed



black. Designed for use with standard 19" long panels and are universally drilled for all standard panels. Base is 16" deep, 20" wide. Holes are tapped for 10-32 screws. Base is hraced to insure freedom from wobble and to keep units in alignment. All heights shown below are overbeloware over-all dimen-sions. K22150—73½" high. Wt. 85 lbs. Panel space 71½"\$ 12.64 Your Cost. K22151—38½" high. Wt. 57 lbs. Panel space 36½" \$ 10.29

Enclosed Steel Racks

DeLuxe type, streamlined. Universally drilled for all standard panels. Stain-less steel molding trimming attop and bottom. Finished in slate gray. (Black ripple available, specify on order). Panel width 19". Models are 22½" wide, 16½" deep. Hinged back. Hinged back.
Shipped knocked down, with all hard ware.

With 2 on rear	door.	
Stock No.	Ht. In.	Panel Space
(22145	42"	36%"

Stock No.	Ht. In.	Panel Space		Your Cost
K22145	42"	36¾″	100	\$25.28
K22146	661/2"	61¼″	150	32.92
K22148	821/4"	77″	175	39.68

Ripple Finish Steel Cabinets

Made from sheet steel, spot welded reinforced corners. Covers removable, held in place by self-tapping screws, Finished in black ripple enamel, Stock No. Dimensions Shpg. Wt. Your Cost K22178 4x4x2" 1 lb. \$0.65 K22179 4x5x3" 2 lbs. .69 K22180 6x6x6" 3 lbs. .79 K22181 12x7x6" 5 lbs. 1,47

1.47 15x9x7" 10 lbs.



BLANK METAL CHASSIS BASES

Here's your chance to buy all purpose radio chassis, un-drilled, at unusually low prices. All have re-inforced spot welded corners for extra strength



Three types available: Ternplate is steel with lead plating; Electralloy is a non-magnetic zinc alloy; also in black wrinkle finish

+ Sheet Steel

Spot Welded orners

Removable Tops, Bottoms

General Utility Steel Cabinets

Can be used for a multitude of radio and other purposes. All are substantially made of sheet steel, with spot welded re-inforced corners. The tops and bottoms are removable; held in place by means of self-tapping screws that are fur-nished. Finished in attractive black ripple.

No.	Size	Shog. Wt.	Each
K22174	51/4x 6x 51/4"	3 lbs.	\$0.73
K22175	5 x 9x 6"	5 lbs.	1.25
K22173	8 x10x 7"	6 lbs.	1.59
K22176	8 x10x10"	7 lbs.	1.95
K22177	11 x12x 8"	9 lbs.	2.10

			1		8		Blac	:k
Ternplate E					Electra	alloy	Wrin	kle
4.	W. H	. Wt.	No.	Each	No.	Each	No.	Each
,	x 91/2x1	4" 3 lbs.	K22299	\$0.48	K22320	\$0.75	K22306	50.57
1	6x10 x3*		K22300	.57	K22321	.99	K22307	.65
7	x 7 x2"	3 lbs.	K22301	.52	K22322	.87	K22250	.61
7	x 9 x2"	3 lbs.	K22325	.57	K22331	.96	K22251	.67
7	x11 x2"	3 lbs.	K22326	.60	K22332	1.05	K22308	.72
7	x12 x34	4 lbs.	K22302	.65	K22323	1.26	K22309	.75
7	x13 x2"	4 lbs.	K22327	.67	K22333	1.20	K22252	.80
7	x17 x3"	5 lbs.	K22303	.76	K22324	1.75	K22313	.91
)	x12 x3"	5 lbs.	K22328	.75	K22334	1.79	K22253	.99
)	x14 x3"		K22304	.77	K22337	1.89	K22318	1.08
•	x17 x3"		K22329	.90	K22335		K22254	
1	x23 x34		K22330	.98	K22336		K22255	1.12
3	x17 x3"		K22305		K22338		K22319	1.65

\$2.06

Your Cost

1/6" Steel Panels



Made of 1/6" steel with black wrinkle finish. For all radio ap-

pacacions			
No.	Size	Wt.	Each
K22218	7x10"	2 lbs.	\$0.38
K22219	7x12"	2 lbs.	.43
K22220	7x14"	3 lbs.	.51
K 22221	7x18"	4 lbs.	.68

Sloping Front Steel Chassis

Streamlined cabinets with

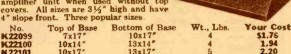
streamlined caonets with rounded corners. Compact and rugged. For use as speaker cabinets, oscillator cases, monitors, tele-talk systems, small receivers, etc. Both have marine gray ripple finish.

10 x23 x17

Sloping Panel Steel Cabinets

Heavy duty steel chassis finished in black ripple enamel. Have sloping front for mounting instruments, etc. Give the effect mounting instruments, etc. Give the energy of a beautiful open cabinet receiver of amplifier unit when used without top covers. All sizes are 3½" high and have 4" slope front. Three popular sizes.

K22097—(left). 4½x4½x4¼". Shpg. wt. 2 lbs. K22098—(right) 7½x4½x4¼". Shpg. wt. 5 lbs.



Bakelite Radio Panels

panels, 1/4" thick. Also suitable for test instru

ments, m	eters, etc		
No.	Size	Wt.	Each
K19600	7x10"	3/4 lb.	85c
K19601	7x12"	1 lb.	\$1.05
K19602	7x14"	1 lb.	1.15
K19603	7x18"	1 lb.	1.45
K19604	7x21"	1 1/2 lbs.	1.75
K19605	7x24"	11/2 lbs.	1.95
K19608	7×30"	2 lbs.	2.45

Amphenol "912-B" Strips

Amphenol "\$12-B" Strips
A synthetic resin having transparency greater than most glass and
having good electrical insulation
characteristics. Can be shaped
(when heated), drilled, cut, etc.
Very strong. In strips 12" long,
's" thick. For Coil supports,
transmission line spreaders, trimmer bases, or binding post or tip
jack mounting strips.
Stock Your Cost

Width

K8063 K8064

K8065

MASONITE Radio and Relay Rack Panels



Tempered Masonite, non-mag-netic, sturdy yet easily worked with ordinary woodworking tools. All panels ½, thick, fin-ished in Black Ripple. Relay Rack panels have amateur Standard notching.

Z	
-	
7	

	Stanuar	a noten	ing.		
Stock No.	Rack Panels	Each	Stock No.	Radio Panels	Each
K22277	7 x19"	70c	K22280	7×10"	38c
K22284	8%x19"	86c	K22281	7x12"	42c
K22285	1016x19"	97c	K22282	7x14"	48c
K22286	121/4×19"	\$1.08	K22283	7x18"	65c

MILLEN Quartz "Q" Sheet

For panels, condenser mtg., insulation, etc. Drills and cuts rapidly. Quartz "Q" is a highly polymerized styrene having remarkable low R.F. loss and high resistance to voltage breakdown. Size: 3x8½"; 1/10" thick.

Your Cost Each

GREENLEE Punches



cap screw. Each size tool consists of the punch, die for supporting the metal and cap screw. Shpg. w.

2 lbs.

15131—¾" Complete

15132—½" Complete

15132—½" Complete

15138—1" Complete

15138—1" Complete

15138—1½" Complete

15140—1½" Complete

15141—1½" Complete

15141—1½" Complete

15141—1½" Complete

15141—1½" Complete

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\$2.00 Each \$2.28 K15142—1½" Complete \$2.28 K15143—1½" Complete \$2.56 K15118—Screw for 1" to 1½" in-Clusive Each 20c K15146—2½" Complete \$4.96 K15147—Screwfor 2½" Punch.40c

Chrome Handles

A beautiful adornment for any cabinet, amplifier chassis, transmitter, etc. Furnished complete with mounting screws. Available in two popular sizes.

Shpg. wt. 1 lb.

K14562-4" long, with
two red stripes. "" wide; centers

K14563—5 ½ " long, ½" Centers 41½". All chrome Either Type, Fach

Standard Amplifier Foundation Chassis

Your Cost

Each

16c 21c



Streamlined amplifier chassis and covers, with new decorative grille-type ven-tilators. Chassis stamped from one piece cold-rolled steel, fin-ished in black

ripple. Covers are 6" deep and slate gray, pre-senting a contrasting two-tone effect. Chassis are drilled for bottom plates, not supplied (see listing on page 104).

Stock No.	Size	Shpg. Wt.	Your Cost
K22132	5x10x3"	9 lbs.	\$1.62
K22133	6x14x3"	10 lbs.	1.88
K22135	7x17x3"	11 lbs.	2.35
K22136	10x12x3"	11 lbs.	2.35
K22137	10x17x3"	13 lbs.	2.85

DeLuxe Amplifier Chassis

Chassis is of one-piece cold rolled steel, with rein-forced cor-ners. Finished in rippled black; cover in slate gray with polished striped chromium mold-ing and red

striped chromium handles. All covers 6" deep. Chassis drilled for bottom covers (not supplied); see listing on page 104.

Stock No.	Size	Shpg. Wt.	Each
K22183	5x10x3"	9 lbs.	\$2.50
K22184	6x14x3"	10 lbs.	2.94
K22185	7x17x3"	11 lbs.	3.38
K22186	10x12x3"	11 lbs.	3.38
K22187	10x17x3"	13 lbs.	4.03

Sloping Chassis Units

Deluxe steel amplifier units with sloping fronts on chassis bases. Bases equip-ped with chrome trim-med handles; top covers have beautiful chrome plated



chrome plated "air gate" ventilators with red striped chrome trim. Ventilating louvres on sides and back. Raised screen openings on top, with red striped chrome molding. Rounded corners. Marine gray ripple finish. All have 4" slope; bases 344" high.

ĸ	377 111	588.			
ľ	No.	Overall	Bottom	Wt., Lbs.	Each
ı	K22131	7x17x91/2"		11	\$4,85
ł	K22134	10x14x912"		11	5.44
		10x17x9144		11	5.88

Tapered Lugs

Fits over all screws up to No. 10; shank fits banana plugs. 1¼" long, ½" wide. Cut for easy soldering. K12954 32° Per Dozen



Wing Nuts

Sturdy, well made. Have numerous

Stock No.	Thread	Each
K12926	6-32	-
K12927	8-32	20
K12928	10-32	
K12929	14-20	
Per 100 (asse	orted)	\$2.75

Escutcheon Pins

Antique finish—%"
long. For fastening all
types of escutcheons or

K14811—Per 100 Your Cost	C
Escutcheon Screws	Ī

Round head, antique finish, %" long. Fits any type escutcheon. K14934—No. 2 size Per Gross

Knob Set Screws

These headless set screws are case hardened. For radio knobs, couplings, etc.

K14786	K14787 \6"x8-32
K14788-	K14789—
Any Size Above,	¼ *x8-32 ■ E C
10 For	650



Bumper Feet These felt feet have a standard 6-P.K. screw inserted in the metal part that

place. K14757	Width	%" overall.	2°
10 For			19c

1/4" Metal Spacers



K9871

29c

	_ocking	wa	sner:	5	
(SE)	K14758 -	· To	pasa	No.	6
(200)	screw. K14759 —	To	nese	No	R
5	screw.	10	paoo	-	•
Either					
Envelo	pes of 25.				
100 Fo				2	Oc.

Insulating Washers

Of fibre, Used for metal panel and chassis chassis mounting of

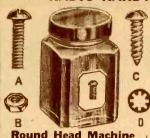
parts.		_		
	Shoul	der Ty		
Stock			Per	Per
No.	0.D.	L.D.	10	100
K15020	1"	3/8"	8c	72c
K15021	34"	14.	7c	62c
K15022	16"	5 /4 M	6c	52c
K15023	73.	12"	6c	52c
K15025	8%"	62,7	6c	52c
K15026	1/4"	.136*	5c	45c
1125020	Flat	Washe		
K15030	3/1"	3/8"	7c	620
K15031	12"	14"	7c	620
K15032	12"	\$2."	5c	45c
K15036	82.9	26	5c	450
K15037	X	.136*		450
MIJOST	/8	.100		

Ornamental Top Antique Finished Machine Screws

No. Size Lgth. Doz. 100 Lots K14680 6-32 ¼" Sc 36c K14681 6-32 1" 6c 45c K14682 6-32 1½" 7c 52c

RADIO HARDWARE

RADIO HARDWARE IN JARS



Round Head Machine

Screws	(A)	
Quantity	Size	
100	4-36 x 1/4	long
100		
75	4-36 x 34	long
90	6-32 x 1/4	long
80	6-32 x 1/2	
70	6-32 x 34	long
75	8-32 x 3%	long
70	8-32 x 16	long
65	8-32 x 3/4	long
60	10-32 x 16'	long
50	10-32 x 34'	long
	Quantity 100 100 75 90 80 70 75 70 65 60	Quantity 100 4-36 x 14 100 4-36 x 15 75 4-36 x 25 90 6-32 x 14 80 6-32 x 14 70 6-32 x 34 70 8-32 x 15 65 8-32 x 15 60 10-32 x 15

most convenient. way to keep your small hard-

ware in grass			
on caps.		-	A C
Your Cost, Any Jar.			74
Any Jar			
Jars for			\$1.44
K14675-Jar o	nlv		70

P-K Tap Screws (C)

No.	Quantity		Size	
K14665	50	No.	4 x	16"
K14666	50	No.	4 x 6 x	1/4"
K14667	45	No.	6 x	36"
K14668	40		7 x	
K14669	35		10 x	
K14670	45		10 x	
		_		

Havaran Nut. (D)

	valour innt	3 (D)
No.	Quantity	Size
K14661	110	4-36 x 1/4"
K14662	110	6-32 x 1/4"
K14663	90	6-32 x 4"
K14664	90	8-32 x 5/4"
iš i	Washers (I	D)
K14671	150 #6	Plain
K14672		Plain

6 Shakeproof

#8 Shakeproof

"1000 PLUS" HARDWARE KIT

K14673 K14674



Contains over 1000 pieces of most frequently used hardware: 125 assorted 6-32, 100 8-32 and 25 10-32 machine acrews; 100 6-32, 100 8-32 and 25 10-32 muts; 100 assorted wood screws; 150 rivets, eyelets; 100 washers, grommets, etc.; 100 metal washers, lockwashers, lugs, etc. Shpg. wt. 4 lbs.

K14820
Your Cost per Box.

LOO

Rubber Grommets

Inside

Diam.

Per Per

Doz.

10c

16c 22c

24c

60c

6\$c 70c 75c

10°

Insulate holes in

" metal panels, chassis, electrical

Fits

Colored Grommets

Hard insulating com-position; with knurled

nut; in red or black.

Either Color K14692 K14693 K14694 K14695 Your Cost Each,

appliances, etc.

No. Hole K14765 ¼" K14766 ¼" K14768 ¼" K14769 ½"

Stock

Right Angle Brackets

Made of heavy metal strip; width is 3/8". Very sturdy.

stock No.	Size	Ea. F	
(14895	16x 16"	1c	90
(14896	58x 58"	2c	150
(14897	1 x1"	23/2c	190
(14898	11/8×11/8"	3c	25
(14899	116x116"	31/4C	324

Soldering Lugs



\$2.20 Thou-

Per

	3	4	
K14812	-No. 1	. K14813	-No. 2
K14814	-No. 3	, solderless	type.
K14816	No. 4	. 5/8" long.	., ,
K14818	-No. 5	. 3/8" long.	
Your C	ost per	100,	24
Any Ty	pe Lug		24

Rubber Grommet Kits



Available in two assortments— kit "A" con-tains 12 assorted grommets in sizes—1/6" to

contains 30 assorted grommets in 4 standard sizes—1/4" to 1/4".

K14794—Assort. "A".

Your Cost. "A". -Assort. "B". K14795

Assorted Brackets



Your Cost

Box of 28 of the most popular angles and brackets used in radio. Made of heavy metal.

Assorted Fibre Washers

nut; in red or black.
For instruments, etc.
Red Black Hole Diam. L.
K14688 K14689 1/8" 3/8"
Your Cost Each,
Either Color.
K14690 K14691 1/8" 1/8"
Your Cost Each,
Fisher Color.



Either Size

Contains 100 plain and shoulder type to fit Nos. 6. 8 and 10 screws, as well as ¼", ¾" and ½" holes.

K14832—Shpg. wt. 8 oz. Your Cost Per Box

Self-Tapping Screw **Assortment**



Forty of the most commonly used sizes in modern receivers. Use no nuts, merely start hole and drive through. Used in

many standard receivers. K14687—Box of 40. Your Cost

160 Piece Set Builder's Hardware

Assortment Contains: 20 each 6-32x¾", 6-32x¾"; 10 6-32x1" screws; 506-32 nuts, 10 lugs, 50 lockwashers. K14830 Per Kit



High Quality Machine Carowe

===			
6-32 R	ound He	ad Scr	
tock No.	Length	Doz.	Gross
(14750	3/8	4c	32c
14751	16"	5c	36c
(14752	17.	5c	42c
(14753	1"	5c	55c
(14754	11/4"	6c	65c
8-32 D	ound He	ad Scr	awe.
14755	14"	Sc	50c

	_		
K14764	11/4"	6c	6 5c
K14763	1"	5c	55c
K14762	3/4"	Sc	50c
K14761	3/2"	5c	38c
K14760	3/8"	4c	32c
6-32 Flat	Head M	achine !	Screws
K14756	3/4"	6c	65c
K14755	1/2"	5c	50c
	Round He		
K14754	11/4"	6c	65c
1427100	-	-	



Metal Utility Rack

Stand with four handy shelves that will hold 36 bardware jars. 12" H., 16" W.,

8" D. Shpg. wt. 4 lbs. \$2.79 K22354—Your Cost.

Battery Clips

Good quarity	
spring clip.	
Heavily	In 19
plated steel	
body. Strong	
spring.	
K16060-11/2" long.	
10 For 25c. Each	.3°
10 Por Loc. Each	
K16061-2" long.	20
10 For 28c. Each	.3°
K16062-21/2" long.	
10 For 42c. Each	5°
K16063-378" long.	
10103-3 /8" long.	6c
10 For 55c. Each	

Round Head Wood Screws Stock No. Size Length K14780 4 36" K14781 5 12" K14782 5 34" K14783 5 1" Doz. Gr. 4c 40c 5c 50c 6c 60c

Hex Nuts, Knurled Nuts, &

K14804-6-32x1/4" hex. nuts. #C





Washers. Popular Sizes

8c 80c

Envelope of 20; Net
Per 100
K14805—8-32x¼" hex. nuts. 5c Envelope of 20; Net
Per 100 20c
Envelope of 15: Net
K14806—6-32x */* hex. nuts. 5c Envelope of 15; Net

Envelope of 15; Net
Per 100
K14803—10-32x 1/8" hex.
made. Am retope of Bo, race.
Per 100
K14808—6-32x114" knurled 10c
nuts. Envelope of 6; reet
Per 100
K14809 No. 6 washers.
Envelope of 26; Net
Per 100
K14810—No. 8 washers. 5c Envelope of 25; Net

Heavy Duty Spade Lugs



For battery terminals, etc., 1" long. No. 10 slot. 100 for 69c. K14912—Your Cost per 10.

*Belden * RADIO and ELECTRICAL WIL

Special P.A. and Inter-Comm. Cables

Twisted Pair

For Inside use. Each conductor No. 22 stranded, tinned. Cotton wrap, color coded cotton braid waxed, twisted pairs cabled. Outer braid coated with cable paint. Per 100 Ft. Stock Con- Out.

ock Con- Out. Per 100 Ft. For. 10. ductors Dia. Ft. For. 20905* 2 .120" 1½c \$1.20 20906 10 .275" 9c 7.15 20907 14 .340" 12½c 10.04 -20 gauge; no outer braid No. K20905* K 20907

Shielded Pair

For inside use. Twisted pair of No. 19 solid, double enameled, cot-ton wrap, color coded braid waxed, bare copper shield. Two tors. .145" O.D. Shpg. wt. conductors. 3 lbs. per 100 ft. K20911—Per Foot 3c ... \$10.23 100 Ft ... \$2.18 500 Ft

Single Shield

For inside or outside use. Tinned copper shield on one conductor. Twisted pair of No. 19 solid tinned, with ½" rubber, color coded cotton

with ½" rubber, color coded cotton braid waxed, cabled with fillers, cot-ton braid, water-proofed. Stock Con Out. Per 100 Ft. No. ductors Dia. Ft. For K20912 2* 300" 5c \$3.93 K20913 3† 330" 6c 4.80 *—1 plain, 1 shielded †—2 plain, 1 shielded

Belden Copper Aerial Wire is ovailable where orders carry priority. Prices on request.

BELDEN Flexible Crystal Mike Cable

Type 8403 particularly suited for tough jobs because of its high insu-lation resistance under moisture conditions, and greater resistance to bending and flexing. Type 8431, for phono pickups, has overall cotton braid.

Stock	Type	Out.	Cap.	Per 1	00 Ft.		
No.	No.	Dia.	Mmfd.	Ft.	For		
K20847	8400	.215"	29	6c	\$5.08		
K20844	8401	.245"	25	7c	5.43		
K20937	8403	.245"	33	6c	5.12		
K20843	8421	.250"	44	51/2	c 4.32		
K20858	8411	.155"	35	5c	3,69		
K20848	8431	.160"	55	5c	2.00		
K20854*	8402	.270"	32	10c	7.97		
*—2-conductor, 26 gauge.							

BELDEN Shielded Rubber Mike Cable



20 Gauge tinned stranded conductors cabled, cotton wrapped, shield-ed, cotton wrap over shield, overall

rupper	sneath.			
No.	Cond.	O.D.		100 Ft.
K20876	3 2	.280"	61/2C	\$5.32
K 2084	3	.280"	8c	6.18
K2087	4	.325"	9c	7.60

Unshielded Cable

Like above, but #18 gauge, no shield. Cond. O.D. No .245" .265" K20910 \$2.95 23 K20880 K20881 K20882 2604

320"

70

Shielded Auto-Radio Lead-In Wire

No. 20 stranded conductor (10x30 tinned) with special low capacity rubber sheath and overall shield. shield 33 mmfd. Overall dia. 230". K20883—100-ft. For ... \$4. Max. cap. between conductor and 5° \$4.11 Per Foot As above, but with rubber sheath overall. 290" O.D. K20884—100-ft. For \$5.44 Per Foot

F.M. AND TELEVISION LINE CABLES



100 Ohm Twisted Pair With Copper Shield

with Copper Shield For Television or F.M. No. 18 stranded tinned, celanese braid, rubber covered, color coded, twisted pair with fillers, celanese wrap, tinned copper shield, cotton wrap, rubber sheath. O.D. 350". DB loss per 100-ft.: at 10 Mc. 1.36 at 40 Mc. 6.1; at 100 Mc. 14 53. K20934—Per Foot......13c

\$10.53 Similar to above but without copper shield. O.D. .270". DB loss per 100 ft.: 1.39 at 10 Mc.; 5.8 at 40 Mc.; 18.19 at 100 Mc.

K20935—Per Foot.

72 Ohm Coaxial Cable

Will meet the requirement for all frequencies in the audio to and including the television or f.m. range. For use as antenna receiving or transmitting cables; also for photoelectric or other circuits photoelectric or other circuits where characteristics fit the application. DB loss per 100-ft.: 1.03 at 10 Mc.; 2.24 at 40 Mc.; 3.78 at 100 Mc. Capacity between conductors per ft.; 26.3 mmf at 10000 kc; 25.5 mmf. at 40000 kc; 25.5 mmf. at 100000 kc. No. 14 stranded (19x28) tinned, low loss rubber compound tinned copper shield, tough vulcanized rubber sheath, 460" O.D.

K20936—Per Ft.

55.95 \$5.95 56.32 Per 50 Ft

TRANSMISSION LINE CABLE



Shielded Twisted Pair

18 stranded, rubber and paper wrap, tinned copper shield over twisted pair—weatherproof over-all White braid. Ideal where interference is great

500 Foot Spool \$16.89

Impedance Matching Cable No. 18 stranded, rubber covered cotton, twisted pair, weatherproof overall White cotton braid. For all-wave jobs. 72 ohm impedance matching half-wave dipole aerials. 500 Foot Spool \$9.15

500 Foot Spool \$16.89 K16162

Commercial Twisted Pair 22 (7x80 tinned) paper wrap. .022" rubber. Weatherproof overall Black braid. For commercial broadcast receivers. \$7.06

K16171—500-ft.spool \$9.15

K200-1" Type Cable 12 solid cellophane wrap. .035" urbber, twisted palr, weatherproof overall cotton braid. Carries up to commercial broadcast receivers. \$7.06

K2000 watts. 5c 100 Ft. K20887—Per Ft. 5c \$3.93

Balded

Hookup Wire Kits

Combination packed in transparent dust-proof container includes four 25-ft. coils Rayon Braid cellulose acetate Push-Back wire. Colors: black, red, green,

K16212-Four 25-ft, coils No. 20 solid. in container. 64° Vour Cost

K16220-Four 25-ft. coils No. 20 stranded, in container. Your Cost

810

Rayon Push-Back

No. 20 tinned copper, heavy wrap cellulose acetate, "basket-weave" cellulose acetate, "basket-weave" abrasion-proof lacquered rayon braid. Colors: green, blue, red, yellow, black. Specify color.

K16066-25-ft. spool*	19c
K16068-25-ft. spoolt	21c
K16080-100-ft. spool*	
K16081-100-ft. spoolf	66c
K16067—1000-ft. spool*	\$5.26
K16069—1000-ft. spoolt	\$6.00
Following in red or black	only.
Following in red or black Similar to above; No. 14 g	
Similar to above; No. 14 (K16158-25-ft. spool	gauge.
Similar to above; No. 14	gauge.
Similar to above; No. 14 (K16158-25-ft. spool	gauge.

Hi-Volt Push-Back

Latest type insulation with a high puncture voltage rating (6900 volts).



rating (6900 voits), yet insulation slips very easily. No. 20 tinned copper, cotton wrap, .010" rubber wall "basket-weave" lacquered rayon braid over all. Colors: green, blue, red, yellow, black. Specify color when or-

dering.			
		Solid	
K16261-	-25-ft.	Stranded.	23c
K16259-	-100-ft.	Solid	66c
K16262-	-100-ft.	Stranded	73c
			-

Double Braid Push-Back

For filament, plate, screen rectifier and "B" supply circuits. No. 20 tinned copper, double braid, waxed. Colors: green, yellow, red, blue, black. Specify color when

R-F Hook-Up Wire

100 Foot Spools. Insulation resistance is 49,000 megohms. Tinned copper with two specially treated cellulose acetate braids Colors: green, blue, black, red and yellow. Specify color when or-

dering.	
K16247-#20 S	olid 781/2c
K16248 #20 S	tranded 85c
K16204-#18 S	olid 861/2c
K16205-#18 S	tranded 96 1/2c
K16264-#16 S	olid \$1.03
K16265-#16 S	tranded 1.10

Shielded Hook-Up Wire

No. 20 hook-up wire with closely woven tinned copper shielding over a '4" rubber wall with rayon

braid und	er	3	ш	IG.	u.	v.	v	.Ivo	٠.
K16294-								-	•
R16294— Per Ft								.4	~
Per 100-F	t.					 		\$1.5	59

Television Hook-Up Wire

No. 18 stranded covered with special with special rubber compound (O.D. 200") with Pyroglaze seal and white Fiberglass braid. Puncture voltage 15,000. Adequate protection against corona and heat. For all H.V. circuits. K16267—Per Ft 10c \$1.50

25 Ft. for

Indoor Aerial Wire



Extra flexible No. 23 (20x36) double wrap of brown cotton. Belden No. 8015. On card. 11/2 C K16124—18-ft. 52.40

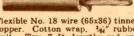
K16128-25-ft K16132-1000-ft. spool

Non-Kinking Aerial Wire
For use on AC-DC receivers. No.
23 (20x36). A wrap and a braid of
brown cotton. On card. Belden
No. 8014. 161/2°

Belden Litz Wire

For rewinding antenna primaries and for r.f. coils up to 30 Mc.
K16144—100-ft. spool 7x41 Bel-K16143-100-ft. spool 10x41 Beldenamel

Test Prod Lead Wire



Flexible No. 18 wire (65x36) tinned copper. Cotton wrap. ½" rubber wall. Two 7 ft. lengths red and black (14-ft. total) parallel wound

Two 7-ft. lengths. 325 K16336our Cost per Spool K16337—Red or Black (Specify). Your Cost per 100 Feet ... \$1.47

ALL-RUBBER LEAD-IN WIRE

made of 7 strands tinned copper wire with thick rubber sheath; .031" on 20; .040" on others. Shpg. wt. 3 ibs. per 100 ft. Easy stripping—easy soldering. All made of 7 strands tinned copper

Stock	Belden	Wire	Leth.	Your
No.	No.	Gauge	Feet	Cost
K16224A	8213*	20	500	\$1.88
K16224B	8213	20	1000	3.58
K16227A	8200†	18	100	.53
K16227B	8200	18	500	2.31
K16226A	8201‡	16	50	.38
K16226B	8201	16	100	.82
K16226C	8201	16	500	2.91
Diam*	100" +	126" t	136"	

Shielded Primary Wires



No. 12 gauge (19x25 tinned) with colored cellophane serve, .031" rub-ber wall, glazed cotton braid lac-quered and an overall tinned copper shield. Wt. 6 lbs. per 100 ft.

K16223—100 Ft. for \$3.83 Your Cost per Foot

No. 14 gauge. .027" rubber wall (19x27). 100 Ft. for \$3.09 K16218—Your Cost per Ft. 4°

No. 16 gauge. .022" rubber wall. (19x29). 100 Ft. for \$2.54 K16219—Your Cost per Ft. 3°



HOOK-UP and MAGNET WIRE



Metal Shielded Wire

hielded with a seamless copper tube. Absolutely moisture-proof and remarkably strong. No. 22 conductor. Hi-voltage insulation. In 5-foot lengths only.

K16183—one wire. K16184—two wire. \$1.05

No. 14 Tinned Solid Copper Push-Back Wire

Designed for heavy-duty work in power amplifiers, transmitters, etc. Cotton wrapper with heavy lacquer insulating material and final layer of impregnated cotton braid. High breakdown voltage.

25-Foot Coils K16341-Black K16339-Red 39° Per Coil

100-Foot Coils
-Black K16346—Red K16348 Black Your Cost, Per Coil \$1.55

Oush Back WIRE

FLEXIBLE

PUSHBACK

HOOK- UP WIRE

25 FEET

Solid Tinned Copper Core Type

No stripping is necessary. Just push back the double cotton-covered moisture-Four colors for circuit identification. Weight 2 lbs. per 100 feet.



Per Coll.

100-Foot Colls

K16366—Red K16368—Black

K16367—Green K16369—Yellow

Your Cost (10 For \$5.55), 62c

1000-Foot Spools
K16374—Red K16376—Black
K16375—Green K16377—Yellow
Your Cost, Per Spool \$4.95

Stranded Tinned Copper Core Type

Very flexible wire of multistrand tinned copper; equivalent to No. 20. Cotton braid pushes back easily. Available in 4 col-ors. Weight, 2 lbs. per ors. Wei

K16354—Red K16356—Black K16355—Green K16357—Yellow Your Cost (10 For \$1.70), 19c

Per Con.

50-Foot Coils

K16362—Red K16364—Black

K16363—Green K16365—Yellow

Your Cost (10 For \$3.25), 36

1000-Foot Spools
K16378-Red K16380-Black
K16379-Green K16381-Yellov
Your Cost, Per Spool......\$5.7! \$5.75

Colored Rubber Wire

Stranded and tinned 20 gauge copper wire covered with a live rubber compound. Very flexible; easy to strip. Solders instant-ly. Available in three



25-Foot Coils
K16272—Red
K16273—Black
K16274—Green

25-Foot Coils
Your Cost Each
K16274—Seen

25-Foot Coils
Your Cost Each
K16274—Seen

25-Foot Coils
Your Cost Each
K16274—Seen

25-Foot Coils

1000-Foot Spools K16108—Red K16109—Black

No. 16 RUBBER COVERED K16280—Black K16281—Red 50 Ft. 100 Ft. 500 Ft. Your Cost 62c \$1.18 \$5.29 Your Cost 62c

Stranded No. 14 Gauge K16121—Black K16120—Red 25 Ft. 50 Ft. 100 Your Cost 45c 85c \$1.5 \$1.55

Stranded No. 12 Gauge K16122—Black K16123—Red 25 Ft. 50 Ft. 100 Ft. Your Cost 75c



RESISTANCE WIRE ON HANDY SIZE SPOOLS

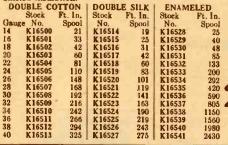
High grade resistance wire in small quantities for use in highly sensitive instruments where accurately determined resistance values, secured through the employment of a high grade alloy wire, are necessary.

		ENAM		BAI	RE
Wire !	Ohms	Stock	Ft. ln.	Stock	Ft. In.
Gauge	Per Ft.	No.	Spool	No.	Spool
14	04603	K16600	20	K16614	24
16	.07318	K16601	31	K16615	38
18	.1164	K16602	40	K16616	46
20	.1850	K16603	57	K16617	81
22	.2941	K16604	77	K16618	126
24	.4678	K16605	104	K16619	190
26	.7438	K16606	141	K16620	277
28	1.183	K16607	160	K16621	399
30	1.879	K16608	182	K16622	560
32	2.990	K16609	205	K16623	765
34	4.756	K16610	230	K16624	1092
36	7.560	K16611	253	K16625	1482
38	12.02	K16612	279	K16626	1881
40	19.11	K16613	309	K16627	2308

Your Cost Each. Any Spool

HIGH GRADE MAGNET WIRE ON HANDY SIZE SPOOLS

Economical sized spools of high grade magnet wire for those desiring less than ½ lb. All spools are plainly marked with the length of wire contained on the spool as well as the size. Available in double cotton, double silk and enameled insulation.



Your Cost Each, Any Spool

Extruded Plastic Tubing

10,000 V. di-electric strength. Will not support combustion. Resistant to petroleum solvents, acid alkalis and soldering temperatures. May be bent over A.S.T.M. specification mandrel after heating at 220° for 150 hours. All are 3-foot lengths.

Size	/16 10 for
K16186-Black	630
K16187-Yellow	7c Ea. 636
	#12
K16188-Black	
K16189Red	7 %c ea. 10 for
K16190-Yellow	
K16191-Green	679
Siz	e #8 10 for
K16192-Black	
K16193-Yellow	19c oa. \$1.70

8-Yard Spools of Spaghetti

8- Yard Spools of High grade var-mished cambric tub-ing. 5000 V. di-elec-tric strength. 8-yard lengths on fibre spools. Takes a No. 12 wire. K15951—Red K1 K15954—Yellow K1 Takes a No. 14 wire. K15750—Red K1 K15751—Yellow K1 Any Above Sizes K15952-Green

K15955-Black K15752—Green K15753—Black Any Above Sizes Per 8-Yard Spool 59° Takes a No. 18 wire only. K15754—Black

Per 12-Yard Spool

FINEST GRADE



nate in still being able to offer this fine quality magnet wire at these low prices. Due to present conditions, however, we must reserve the right to change prices without notice.

PLAIN FNAMELED

	,			_
Stock	Size	Ft.	Your	Cost
No.	B&S	Per Lb.	1/4 Lb.	1/2 Lb.
K20950	16	125	18c	33c
K20951	18	202	18e	33e
K20952	20	319	20c	34c
K20953	22	506	23c	35c
K20954	24	804	23c	37c
K20955	26	1280	25c	45e
K20956	28	2030	27c	47c
K20957	30	3220	30c	53c
K20958	32	5100	33c	57c
K20959	34	8080	36c	66c
K20960	36	12800	44c	77e
K20961	38	20300	58c	90c

Jeine B	CHAC		1001	CDRC
No.	B&S	Per Lb.	1/4 Lb.	1/2 Lb.
K20950	16	125	18c	33c
K20951	18	202	18e	33e
K20952	20	319	20c	34c
K20953	22	506	23c	35c
K20954	24	804	23c	37c
K20955	26	1280	25c	45c
K20956	28	2030	27c	47c
K20957	30	3220	30e	53c
K20958	32	5100	33c	57c
K20959	34	8080	36c	66c
K20960	36	12800	44c	77e
K20961	38	20300	58c	90c

Highest grade tubing.

Red, yellow, green and black. #12.

K15960 Specify Color 60 59c Per 30-Inch Length. Your Cost 10 Lengths

MAGNET WIRE

Do	Double Silk Covered						
Stock	Size	Ft.	You	Cost			
No.	B&S	Per Lb.	1/4 Lb.	34 Lb.			
K20962	18	199	\$0.36	\$0.66			
K20963	20	314	.40	.78			
K20964	22	494	.46	.90			
K20965	24	778	.55	1.07			
K20966	26	1220	.68	1.31			
K20967	28	1910	.85	1.64			
K20968	30	2960	1.10	2.13			
K20969	32	4570	1.39	2.70			
K20970	34	6980	1.76	3,33			
K20971	36	10500	2 16	4 11			

DOUBLE COTTON

Extremely popular with amateurs and

- 13	cybernne	4106421	TATE DATE A	wantey.	
	Stock	Size	Ft.	You	Cost
c	No.	B&S	Per Lb.	1/4 Lb.	1/2 Lb.
c	K20973	16	122	\$0.21	\$0.36
e	K20974	18	192	.21	.38
c	K20975	20	298	24	.44
c	K20976	22	464	.28	.49
c	K20977	24	711	.32	.58
c	K20978	26	1080	.37	. 69
c	K20979	28	1630	.45	.84
c	K20980	30	2420	.52	.99
c	K20981	32	3500	.64	1.23
e	K20982	34	4920	.92	1.73
c	K20983	36	6660	1.26	2.40

Spaghetti Tubing

ROUND TINNED COPPER BUS BARNo, 14—2-FOOT LENGTHS 10 Lgths. 100 Lgths. 14° \$1.27

NOTE: Wire prices are affected by conditions of metal markets, therefore all wire prices are sub-.53c ject to change without notice.

GIANT SLEEVING

No. 2 spaghetti. Inside diameter— ½". Length—36". Heavily im-pregnated with hi-voltage oil varnish. In black only K15956—10 for \$1 K15956—10 for \$1.25 Per Length

BATTERY CABLE



A high grade, heavily insulated cable with each lead a different color for easy identification.

DOUCE	140.	rei	r er
No.	Wires	Ft.	100 Ft.
K16089	3	3c	\$2,70
K16090	4	31/4c	3.15
K16091	5	4c	3.60
K16092	6	434c	4.05
K16093	7	5c	4.50
K16094	8	6c	5.40
K16095	9	61/2C	5,85
K16096	10	73/2c	6.75

BELL WIRE

An excellent grade of K16338—1/2 lb. roll Your Cost. . . . 3 35c K16051—25 ft. roll Your 12°



· Fixture Wire and Accessories.

Appliance

Elements
Fit 90% of the standard appliances.
K13270—Flatiron 27c
Each 27c

K13276—Flatiron 27

K13305 Straight heater element. Each 36c. 10 for ... \$3.15



Cord Switch K13275-190 Each 10 for **Push Button**



by the under writers. Shpg. wt. 1 lb.
K13328—Single
Your Cost Each
K13329—Double. Each
L10c

Do Xes.
Approved
With two cap outlets.
K13278—Your Cost Each
L10c
L10 for
L10c

S1.08 K13328—Single Your Cost Each

Plug Fuses



Single Outlet



Cube Tap



Current Tap

Parallel All Rubber Lamp Cord

The two conductors are sheathed in a coating of tough live rubber. A ridge between these conductors alridge between these conductors ar-lows them to be easily separated without fear of ruining the insula-tion. In Black, Ivory and Brown. Specify color desired. Shpg. wt. per 100 ft., 3 lbs.

per 100 ft., 3 lbs. K20920—18 Gauge—Your Cost 500 Ft 100 Ft. 2° \$1.75 \$7.85

Cotton Twisted Pair



18 Gauge, 1/4" R.C. wire with a cot-ton covering offered at prices below market. 2 colors—white or yellow and green mixture. S K20902—Your Cost

1000 Ft. 250 Ft \$2.95 \$11.75

Parallel Silk Lamp Cord



Popular type for connecting radio receivers, lamps, etc. Overall covering of silk braid.

20 Gauge-1/4" Wall

K20839-Maroon K20841-Brown K20840-Old Gold 1/6 Your Cost, Per Foot ... \$1.15 500 Ft... \$5.15

Telephone Wire



For general use and inter-communication phones. 2-Conductor

munication piones. 2-conductor No. 19 Gauge. K20895—100 Ft. 500 Ft. 1000 Ft. Your Cost \$2.25 \$10.50 \$19.95 K20886—3-Conductor #19 Your Cost \$2.75 \$12.95 \$23.25

Heavy Rubber Cord



The thick belt of flexible rubber that covers the conductor is made of smooth oil-resisting, abrasion proof hip quality rubber proof, high quality rubber.

Stock		Per	Per
No.	Size	Ft.	100 Ft.
K20945	18-2-wire	314c	\$3.15
K20946	16-2-wire	4c	3.75
K20947	14-2-wire	10c	8.95
K20948	18-3-wire	4c	3.60

AMPHENOL Receptacles and Plugs









Molded black bakelite insulation. 2-pole receptacles have one elongated Molecular baselite insulation. 2-pole receptacles have one elongated hole and can be used with both the standard type of plug and the polarized type having one \(\frac{1}{2} \) and one \(\frac{5}{6} \) blade. 3-pole receptacles are for use with 3 pole plugs. Underwriters ratings: 15A—125V. or 10A-250V. Dimensions: (A) hole—1.172", (B) Mtg. ctrs.—1\(\frac{1}{2} \) to 1\(\frac{7}{6} \)", (C) hole—1\(\frac{1}{6} \)", Mtg. ctrs.—1\(\frac{1}{6} \)", height—1\(\frac{1}{6} \)",

PLAIN (A) No. Poles Type
K11502—2 Receptacle
K11503—2 Standard Plug
K11624—2 Polarized Plug
Receptacle
Receptacle
Receptacle
Receptacle 625—3 Receptacle 626—3 Polarized Plug

K11626—3 Polarized Plug WITH PLATE (B) K11500—2 Receptacle K11501—2 Standard Plug K11627—2 Polarized Plug

FLUSH (C) No. Poles

K11504—2 Receptacle K11505—2 Standard Plug K11635—2 Polarized Plug

SURFACE TYPE (D)

K11637—2 Receptacle K11638—2 Standard Plug K11639—2 Polarized Plug

BELDEN Replacement Cords



brown allrubber cord. Rubbes

plug a end. Other end stripped and tinned Excellent for replacement use. All are Underwriter's approved.

M16501-1/2-It.
23c ea. 10 for\$2.00
K16309—12-ft.
33c ea. 10 for \$2.90
Vacuum Cleaner Cord. 25-ft.
long. Rubber covered; 18 gauge.
Your Cost Each 97c
Your Cost Each

BELDEN **Extension Cords**



Unbreakable two-way soft rubber tap and plug. Fully Underwriters' Approved. Ivory Brown Length Each K16300 K16301 6 ft. 52c.

52c K16302 \$5.10

Bakelite Handle

Plug Genuine Bakelite with handle grip. Prevents pulling out wires.

Handle Plug

Handle plug made of soft rubber. For all ap-pliances. 10 for 45c

Your Cost Each 5c

K13301-

AMPHENOL Coaxial Cable Connectors



Shells made of brass with polished Shells made of brass with polished chrome plating. Insulation is pure Polystyrene. Cable opening takes cables up to "½" dia; may be reamed out to fit cables to ½" O.D. K16706—(A) Male connector with coupling ring. No. 93-M. K16707—(B) Female connector with coupling thread. No. 93-F.

88°

Cable End Terminal



Connects coaxial cable to open wire. 2" long, K16709—Each . 88c

Terminal Cap

Made of Amphenol "912". 1/2" high, 11/2" dia. Fits end terminal.



AMPHENOL Co-Axial Cable

A new cable especially engineered from x'mitters to antennas used for television receiver lead-ins, test leads, etc. Consists of a solid copper wire core, No. 12 gauge strung with Amphenol insulating beads then shielded with tinned copper braid and finally covered

copper braid and finally covered with two separate cotton braids, heavily lacquered. Surge impedance 72 ohms. Dia. 13/2". K17118-472-12
Your Cost, Per Foot. 29ct Like above, but with No. 22 stranded copper wire core. Dia. 3/4". 176-228. K17119 Per Foot

AMPHENOL Coaxial Cable Beads

Transparent ultra-low loss polystyrene beads 1/4" diam. for coaxial cables, photocell transmissions, lead-ins, etc. 1/4" hole. String 28 beads per foot.

K16795-473 Box of 250 Beads... \$1.47 K16794 173-1, as above but 1/4" diameter. String 35 beads per foot. 500 to a box. Shpg. wt. 1 lb. Your Cost Per Box of 500 \$2.65

AMPHENOL **Shielded Plugs**

Fully shielded cable type 2 pole plugs and receptacles. Take up to 1/2" cables. Dia. 11/4". Unbreakable metal caps.

WITH CLAMP (A)
O. Description K11546—Receptacle K11545—Standard Plug K11647—Polarized Plug

Your Cost Any Above, Each. 24 SIDE OUTLET (B) K11548—Receptacle K11547—Standard Plug K11650-Polarized Plug

Any Above, Each. 21c END OUTLET (C) K11651—Receptacle K11652—Standard Plug K11653—Polarized Plug Your Cost, Any Above, Each 21

Midget Cord Connector

Flat 2-piece type, Underwriter's K13276-10 for \$1.45













12 for . . . 32c **Cord Connectors**

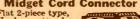
Sturdy prongs. K13281—Each

handle grip. K13306—Each.

Take standard male plug. 11/4" diameter. K13300 Rubber. 10 for \$1.70 190



Per 100





\$2,60

RALKITS & ACCESSORIES

Copper Aerial Wire



Bare S	tranc	led7	5 Ft.	Coils
Stock No.	Size	Per Coil	10 Coils	25 Coils
K16041 K16042 K16043				\$4.65 6.60 9.55
Bare S K16113 K16114 K16115	7/26 7/24	.26	2.45 3.60	6.10 8.80 12.50
W10113	1144	.59	3.10	14.50

En.	ameiec	Stra	noeo	_
	75 F	t. Co	ils	
K16044	7/24	40	3.80	9.3
K16045				
En.	ameled	Stra	nded	
		t. Co		
K16116				12 3

100 Ft. Coils						
K16116	7/24	.53	5.05	12.35		
K16117	7/22	.76	7.25	17.70		
Solid E	namel	led-1	00 Ft.	Coils		
K16118	No. 14	.66	6,25	15,35		
K16119	No. 12	.97	9.25	22,55		
K16129	No. 10	1.28	12.15	29.80		

No. 18 Lead-In Wire



a ros, per 100 re.	obecii	y length
when ordering.		
K16200—25 Ft.	50 Ft.	100 Ft
Single Coil 15c	25c	47c
Lots of 10 \$1.35	52.25	54,25

K16217—1000-ft. spool \$4.50 Cost Indoor Antenna Wire

Multi-strand flexible copper wire covered brown mercer ized cotton braid. For



Indoor or a.c.-d.c. antenna use. 25-ft. hank.
K16155—Your Cost.
K16167—100-ft. Coil

Transmission Cable



Consists of twisted rubber-covered

Shielded Lead-In and Hook-Up Wire



A 10-strand wire covered with live a woven, tinned shield.

K16240—Per Ft. 50 Ft. 100 Ft.

Your Cost 2c 90c \$1.60

Heavy Gauge Lead-In Wire



Heavy-duty No. 14 gauge lead-in wire that will stand up under the most rigorous

conditions. Has four tinned center conditions. Has four tinned center strands of extra high carbon steel for greater tensile strength. Will withstand a pull of 250,000 lbs. per square inch. 3 outer strands of tinned copper. Overall covering of weatherproof 34" rubber wall. Quantities limited.

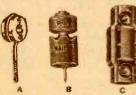
Per Coil. K16331—250-ft. K16332—500-ft.	coil	95c
K16330-100-ft.	coil	40c

A.C.-D.C. Aerial Wire Made espe-cially for use with a.c.-d.c.

midgets. Stranded conductor, rubber insulation. Quantities rubber insulation. are limited. K16130-In 25-ft rolls

Your Cost, Per	Roll	17,
10 Rolls For		. \$1.08
K16131-250-ft.		69°
Your Cost		04.

Aerial Insulators



Dependable porcelain insulators. "A" is screw in type for holding lead-ins or grounds off-walls; "B" is standard nail-knob; "C" is strain

Stock	Type No.		Each	10 For	100 For
K16972 K16986	A	3"	3c 31/9c	24c 31c	\$2.16
K16977 K16802	B	2"	3c 3c	22e 22e	1.92

Glass Insulators

oo Special tem-

CHAMAHAMAN	pered glass, un-
	affected by heat
	or cold. High
tensile strength. Ri	
K16849 21/2"long.	
Your Cost Each	
Lots of 100	\$2.15
K16850-3" long	20
Your Cost Each	
10 For 25c	100 For \$2.25
K16851-3%" long.	50
Vour Cost Fach	

ELECTRIC FENCE Insulators

100 For

For attaching wire to fence without kinking. K15682 60 55,25

Glazed Porcelain Insulators For insulating wire from posts. (A) 5° K15680—4 For

100 For. 95c

For insulating on corner posts. (B)
K15681—
21/2c 100 For

With leather washers.
K15683—Your Cost. 63° **Fasteners**

0 Fastens wire quickly and easily to post in-sulators. Made of sulators. Made of heavy galvanized wire. Clip only. 32° Box of 100

Aerial Tension Spring



Plated Ground Rods



Used wherever a pipe ground is not available. Heavy steel yoke for head, %" heavy plated steel.

No.	Feet	Each	Per 1
K17187	4	28c	52.6
K17188	6	41c	3.9
			_

"Grip" Ground Clamp

Makes a vise-like grip on pipe. Sharp-pointed screw makes perfect con-tact. Heavily plated. K17105

Your Cost Each... 10 For. 100 For \$2.50



Pipe Strips

Broad copper clamp adjustable to fit any size pipe up to 2" in diameter. Has clip for atlead

ad. 3c Each 3c 100 For \$2,25 K17102—Your Cost Each 10 For 25c



Insulated Staples For holding inside leadin and ground wires in place. No. 5, Size 1/4x place. N %" long. K15950— 10c

Lead-In Strip

9

Copper core with water-proofed lacquer webbing. 12" long. Has screw terminals. Black. K17100—10 For 40c. Each. Like above, but white finish and zinc core. K17103 Your Cost Each 60 10 For 50kg

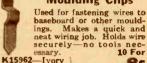
Doublet Lead-In Strip

Consists of two strips covered by

heavy cotton
weather-proof
braid. Bakelite
bar holds strips parallel.
K16952—Your Cost Each 10c Per 10

Single 12" Lead-In Strip K17101—10 For 23c Your Cost Each

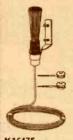
Moulding Clips



K15962—Ivory K15963—Brown

Wood Head Tacks Standard upholstery tacks, 5%" long. 100 For K15957-White K15961-Brown 17c

All-Direction Aerial



Distance with greater volume. Installed in a few minutesnopolestoerect. Battery of heavy 9" wires flared out to point in all di-rections. More stations on short waves and broadcasts. With hardware and 50 ft. stranded lead-in. Wt. 3 lbs.

K16475 our Cost

BRACH "Vis-o-Glow" **NEON** Arrester



Uses a NEON TUBE instead of an air-gap resistance OF Fully Under-writers Approved. Shpg. wt. 1 lb.

in brown

glazed

but for use with sets having doublet antennas. K16701—Your Cost \$1.15

Arrester for Doublets

An approved ar-rester for the

doublet type of antenna. Airgap type, insulated from ground. Porcelain case. 10 For \$1.70 K16950 Your Cost Ea. 19c

Porcelain Arrester



porce-lain; ap-proved. With 1x13/xx screw terminals. overall.
53—Your Cost Ea. 10c K16753-10 For 90c 100 For \$8.15

RCA Magic Wave Antenna Coupler



ard, doublet or vertical rod. Reduces noise on all bands. May be adapted to existing aerials. Connects to end of single wire antenna. (Use in conjunction with receiver coupler listed below; con-

lightning arrester.
Wt. 2 lbs. No. 9849. \$ 1.15
K16791—Your Cost

RCA Receiver Coupler



For use with above antenna coupler.
Same units as used
with RCA Magic
Wave Antenna Sys
tem on page 111

RCA Part No. 9813. \$1.47

3-Purpose Tuner



Can be used as aerial eliminator, wave trap or antenna tuner. As eliminator it does tuner. away with outside wires; as wave trap it separates interfering stations and improves selectivity; as antenna tuner it strengthens signals. Wt. 2 lbs.

K12678—Each

S1c

A.C.-D.C. Power Antenna



Picks up sig-nals through powerlineand filters them.
Use with any
set. Plug into
110 volt a.c.or d.c. line.

Wt. 1 lb. K16473—Each

\$2.00

ALL WAVE AERIAL KITS

Magic-Wave Antenna System



Operates 1 to 16 radios from one antenna. Easy to install—no doublets or critical transmission line lengths. Line can be up to lengths. Line can be up to 500 ft. long. Antenna length 20 to 120 feet. Covers 530 to 23,000 kc. Kit comes complete— ready to install. Lightning arrester built into antenna coupling unit. Transmission line can be run under ground if desired. Shpg.

\$3.50

K16790—Complete Kit for one receiver.

Your Cost (RCA No. 9812).

K16789—Distribution X'former for 4 additional sets (No. 9814). \$1.76

K16788—Receiver Coupler (for each outlet). (RCA No. 9813)...\$1.47

K16785—90-ft. X'mission Line (for underground), (No. 12430)...\$2.21

Your Cost

K16782—RCA No. 12855, Set Coupling Unit for use with either the Alfarence Coupling Unit for use with either the Coupling Unit for

RCA No. 395—All-Wave Doublet Kit

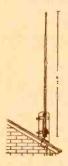
The RCA all-wave doublet kit is its finest addition to date. Factory soldered and assembled its 40 foot span is easily installed. Kit contains: 2 stalled. Kit contains: 2—20-ft. antenna wire coils; 1—60 ft. transmission line; 1—Junction Box; 1—Receiver Coupling Unit; 2—Coupling Unit Links; 2—Strain Insulators; 2—

—Strain Insulators; 2— Nail-in Knob Insulators; 1—Ground Clamp. Full instructions furnished. Shpg. wt. 4 lbs. K16465—RCA No. 395 Doublet Kit, complete. Your Cost



Vertical Home Antenna

-Complete Kit for one receiver.



Eliminates unsightly and dangerous horizontal wires. Insures clear, practically noise-free reception. Sturdily constructed and much easier to install than other types of antennas. Complete outfit includes a special 12-foot 4-section antenna mast of rust-proof flexible steel, 40-ft. of lead-in wire, 10-ft. of ground wire, lightning arrester, insulators, screws, two pipe straps, one strap mounting assembly. Instructions for installation and use included. Has many advantages over the ordimany advantages over the ordinary horizontal type of aerial. Shpg. wt. 4 lbs. K21824—

RCA "Spider Web" All-Wave

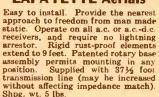


Factory as-An overseas communica-

communications type antenna for your home. Comprised of a series of douline to the receiver. Requires only 38 feet horizontal and 12 feet vertical clearance. Coverage 140 to 23,000 kc. (13 to 2142 meters). Full instructions furnished. Shpg. wt. 7 lbs. 417135—Spider Web Kit No. 9685 \$5.26

High Frequency Kit: Increase range to 70,000 kc. (4 meters). Shpg. wt. 1 lb. K17136—RCA No. 9689. Your Cost. 88c

LAFAYETTE Aerials



Shpg. wt. 5 lbs.

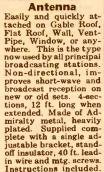
Broadcast Model: maximum efficiency in range from 500 to 1700 kc (includes high fidelity stations).

K 20447-\$4.85 Each All-Wave Model: Range from 500 kc to 25 mc (600-12 meters)

K 20448-

JFD Vertical 12 Foot **Antenna**

Your Cost



\$3.95

RCA Multi-Range Wave-Trap For receivers located where they are troubled by unwanted stations or

inadequate reception of certain stations. Tunes by means of magnetite core, which provides a permanent adjustment. Frequency range 450 to 2,100 kc. Attenuation at tuning frequency, 40-1 (average) over entire broadcast band. Adequately shielded for protection against interference and reaction with receiver circuits. Small and simple to install. Complete and easy-to-understand

Complete and easy-to-understand instructions included with each unit. K9067—RCA No. 33033.
Your Cost \$1 00

Each

inadequate reception of

\$1.09

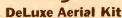
"Tenna-Scope" Loop Aerial



\$3.10

Makes a loop-antenna receiver out of any radio! Eliminates the use of an outside aerial and ground. No circuit changes necessary. Tuning range: 1715-No circuit changes necessary. Tuning range: 1715-500 kc. Adjustment trimmer adapts it to any receiver. Better selectivity. Higher signal to noise ratio. Fits on the back of practically all midgets. Size 8½x6½x1½". Full instructions included. Shpg. wt. 2 lbs. \$1.34

Lafayette



A scientifically designed antenna kit that will operate with all broadcast

that will operate with all broadcast and short-wave receivers—offered at an unusually low price. Fully licensed under Amy, Aceves and King patents. The kit comes completely factory assembled, ready for installation. Comprises the following equipment: two 30-foot coils of No. 7/24 bare copper aerial wire; 50-feet of No. 22 braided transmission line cable; two 3" glass insulators; one duplex lead-in strip; one "C" type ground clamp; 10-feet of No. 20 ground wire; one antenna transformer in porcelain case; one receiver coupler; one 6" insulator; two nail-knobs; complete instructions. Shgg. wt. 5 lbs.

K16486 C Your Cost Complete Deluxe Kit

\$2.55

Lafayette **Low Cost Aerial Kits**

No finer low cost aerial kits have ever been offered. Complete in every detail and containing only the finest compo-nents they will provide the ultimate in reception. This kit includes: 100 ft. 7/24 reception. Inis htt includes: 100 tt. 1/24 copper wire, 50 ft. No. 18 rubber covered lead-in, 25 ft. ground wire, approved arrester, ground clamp, lead-instrip, two porcelain insulators, two naii-it knobs.

Can be used with all types of broadcast and all-wave receivers. 99c K16476—Your Cost

Contents: 90 ft. 7/27 stranded aerial wire, 26. ft. rubber covered lead-in, lead-in strip, ground clamp, 2-nail-it knobs and 2-porcelain insulators. Shpg. wt. 2 lbs.

K16478—Your Cost

Midgets and Portables

Antenna Loops for

Ideal for bat-tery and midget sets or porta-bles. Replaces

bles. Replaces antenna coil; gives satisfactory pickup and excellent selectivity. Inductance slightly higher than necessary, permitting removal of turns for adjustment. 4%x8". 48cK16459—Your Cost. 48cK16451—Size: 7½x9½". 51cYour Cost Each.

SICKLES "Check-A-Loop"

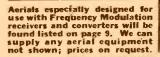


With nearly all the late type receivers using a loop of some kind this simple new test unit will receive a wide welcome by servicemen. An extremely handy device for checking the tracking of loop antenna, now used in practically all modern receivers. Has metallic disc at one end and special high permeability material at other. Mounted on folding metal bar which snapicks into position. For high and low frequency alignments. Supplied complete with instructions.

Wt. 2 lbs. K10473—Your Cost. \$1.05

NOTE

During the present emergency, we must reserve the right to substitute like quality and make price changes without notice, wherever and whenever necessary



Perfect Merchandise - Prompt Shipment - Personal Service



ALITY TOOLS



Phillips Recessed **Head Screw Drivers**

Many sets now use this type of screw requiring this new model driver. Sturdy sure-grip wood handles. Shpg. wt. 1 lb.



Stock	Size	Length	Your	
No.	No.	Ins.	Cost	
K15251	up to 4	6%"	24c	
K15252	5 to 9	83/8"	27c	
K15253	10 to 16	.111%"	31c	

-

11-Piece Radio Socket Wrench Kit



614" wood handle. 4" ell, 314" extension adapter, 14", 14", 14", 14", 14", 14" hexagon sockets, 14" and 14" adulated sockets, and 14" and 14" square sockets. Steel box. 89°c K15130—Your Cost.

MILLERS FALLS Radio Screw Driver

Long slender blade especially suitable for radio work. Small end fits set screws in radio knobs. 3" blade. Shpg. wt. 5 oz. K14949—Your Cost Each 23°



WireStripper Tempered steel cutting edge.

120

Wt. 1 lb. K15044—Your Cost.

XCELITE Nut Drivers



Shockproof—Unbreakable

Genuine transparent amber XCE-

Genuine transparent amber XCE-LITE handles—will protect against 5000 volts. Sockets truly formed. Tempered and fully finished. Deep enough to handle two nuts at once. Overall length 6".

K15330—For ½" hex nut.
K15331—For ½" hex nut.
K15332—For ½" hex nut.
K15332—For ½" hex nut.
K15333—For ½" hex nut.
K15334—For ½" hex nut.
Any Above Type—
Your Cost, Each.
K15335—For ½" hex nut.
K15335—For ½" hex nut.
K15335—For ½" hex nut.
K15335—For ½" hex nut.
K15336—For ½" hex nut.
Either Above.

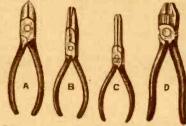
Either Above, Your Cost, Each.

Hollow Shaft Type Invaluable for installing and remov-ing volume controls and other panel equipment. Permits removal of 5"

Your Cost.

Kraeuter Blue Temper Finish Pliers

The line of tools listed below are from the Kraueter "Standard" series, and are not to be confused with the lower priced "K" series (except the electrician's cutting pliers). All are drop forged from extra high grade steel, and have the famous "blue temper" folish. Stead us address. finish. Stand up under severe service.



Diagonal Cutting Pliers

A—Cutting jaws meet perfectly.
Cuts insulation as well as the wire.
No. Length Your Cost
K14942 41/2 51.13 No. K14942 K14944 K14943

Long Nose Pliers

B—For the hard to get at places. Side cutting blade will stay sharp. No. Length Your Cost K14946 5" \$1.20 1.28 K14947

Needle Nose Pliers (C) Made especially for difficult and odd jobs where no other plier will answer. Long fine nose is very carefully tempered. Length 6".

K15076— Your Cost

Electrician's Cutters

"K" Series (D)

Modified electrician's pliers with fitted lap joint, hardened cutters. No. Length Your Cost K14935 63/2" 50.90
K14936 8" 1,13 1,13

HEX-NUT Socket Wrenches Straight and Offset Types



Firm grip, ribbed wooden handles. Heavily plated shanks. Have deep holes in ends of shanks which will take long screws up to No. 10 size. Straight types, 6° and 9" long. Offset types are 7" overall. Take standard hexagon nuts.

DIEC I GHINEE (W)	SITE & STIRIBULE (D)	Parse 3. Straight (C)
%" K15206)	1/8" K15203	34" K15209
¼" K15207	¼" K15051	14" K15107
15208 15212 20	c % K15052 17c	154" K15109
%" K15212 40	1/8" K15053	14 K15109 20°
M WINTIN CACE	14" K15054 each	13" K15108 40" K15110 each
1/4" K15214	1/4" K15204	34" K15210
K15215 Set of 6 \$1.	08 K15205-Set of 6 92c	K15211-Set of 6 \$1.08

8-Piece Radio Socket Set | Combination Tacker and



Contains six hexagon sockets, ¼", ½", 11½", ¾", ½" and ½", with ¾" round knurled socket for thumb nuts and 6½" spinner type handle All ½" hexagon drive. K15111—Your Cost. 49°

UTICA Pliers with 4 Wire-Cutters

One of the finest buys we have ever offered. This fine tool is made of high grade tempered tool steel.
Positive grip grooves for easy cutting. 4½" long. Well-balanced, fine finish.
Quantity limited. Wt. 1 lb.

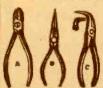
(15077 our Cost Each Stapling Machine



A quick, handy tacker that is exceptionally convenient for tacking on grille cloth, attaching light wire or spaghetti, labels, etc. In addition to its use as a tacker it can also be used as a regular office or home stapling machine for clipping papers, re-ceipts, checks, etc. Precision built, ceipts, checks, etc. Precision built of steel with fine black finish. Com

plete with 100 staples. K15280—Your Cost. 59c K15281—Box of 1000 Staples. 25c

Genuine KLEIN Pliers



Finest alloy tool steel. Individually tempered to assure long-life cutting edges.
K15223—(A) Oblique Cutting Pliers with Wire Stripping Notch. Lap joint; narrow head. 6" long. Shpg. wt. 3 lbs.
Your Cost. Your Cost. K15221—(B) Long Nose Side Cutting Pilers. Pointed slender nose—sharp cutters. 6" long. K15224—(C) Long Curved Nose Pliers. Very useful in close quarters. 6" long. 82.75

Your Cost Either Above, Each

Handy Tool Holder

Heavy gauge sheet metal tool holder for fastening to wall or bench. Holds 6 pliers, 5 screw drivers, 9 nut drivers. Green lacquer finish. Shpg. wt. 2 lbs.

K15261—Your Cost.

Neon-Light Screw

Drivers -

Flexible Screwdriver



Strong, unbreakable, flexible shaft and insulated movable screw locater finds slots of screws. 83/4". K15062— Your Cost \$1.03

"RHINO" Screwdrivers with Amberlite Handles



Finest screwdrivers, for electrician's use. Chrome-Vanadium blade over half-way into Shock-proof Amberlite handle.
K15345-3x½" blade. Ea. 28c
K15346-6x½" blade. Ea. 40c
K15347-8x½" blade. Ea. 45c

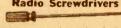
Phillips Offset Screwdriver



A very handy alloy steel offset screw-

steel offset screw driver. One end for Phillips No. 1 size; other end for Phillips No. 2 size. K15255— Each

VACO "Ambery!" Radio Screwdrivers



Transparent amber colored plastic handles. Oil tempered tool steel blades. Rust-proof, unbreakable, shock-proof. Blade diameter small enough for radio set screws.

Stock No.	Blade	Each
K15324	16x4"	35c
K15325	₩x6"	35c
K15326	1/8×8″	39c

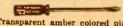
Rivet-O-Punch

Tool Makes

Solder-less

handy tool. Fastens eyelets 59° K15047-Box of 150 eyelets...

VACO "Ambery!" **Pocket Screwdrivers**



Transparent amber colored plastic handles. Tool steel blades; shock-proof construction. 3" long with pocket clip. K15323—Each

"Grip" Screw Drivers



Gripper holds screw and slides up out of the way when not in use. Instant release after screw is driven. Fine for tight places. Tempered steel blades. Amber plastic insu-lated handles.

No.	Blades	Each
<14710	2x5/2"	23c
(14721	4x5/2"	43c
(14722	10x3/4"	46c

SERVICE & HOME WORKSHOP Necessities

Air Drying Finishes





Now you can get professional appearing finishes in either crystal, wrinkle or chrome with these new air-drying finishes. Simply apply and let it dry for durable and lasting finish. Air-dry or bake on metal or wood. In 2-oz. and 8 oz. sizes.

Wrinkle Lacquer (Crystal)

4 0	Z.		5 OZ	
No.	Each	Color	No.	ach
K15255	24c	Black	K15309	73c
K15319	24c	Gray	K15387	73c
K15320	0 24c	Brown	K15388	73c
K15380	27c	Red	K15389	73c
			h) Finisl	
			K15390	
		2111111		

K15382 27c Red K15391 73c K15383 27c Gray K15392 73c Telephone (Smooth) Finish K15384 21c Black K15393 62c K15385 21c Gray K15394 62c Chrome-Like Finish

21c Chrome K15395 56c

Color Coding Enamel



For color coding minals, Green

blue, red, yellow and a bottle of thin-ner. Two brushes are included. Have your own system of color coding. Adds greatly to appearance. 29c K15258—Your Cost....

WALSCO Contact Cleaning Fluid

Prepared to clean tuning condenser springs, volume controls, band switches, etc. Prevents future corrosion of contacts. With brush. 2bottle.

"WALSCOLUB B" Lubricant



New chemical that nates noise on band switches. controls, and other air exposed contacts. Superior to

K15378 26°

Power Sprayer



from the spark plug of any auto-mobile. Will spray paint, flowing liq-uid. Com-

plete with sprayer, pint jar, spark-plug air check valve, compression tank, set of adapters and 12-foot hose. Shpg. wt. 6 lbs. \$3.95

Touch-Up Sprayer

Designed to operate perfectly with very low pressure from spare tire or any other air conany other air con-tainer. Air-tight brass valve, ad-justable brass spray tip, rubber hose and two 4-oz.



jars. Very handy for touching up marred panels, cabinets and chassis. Shpg. wt. 3 lbs. K14705—Your Cost 90°

KESTER Solder



Per Tin 1 lb. Spool 5 lb. Spool

Will not spatter. Preferred by servicemen and other large users. Flux in core. The aluminum solder is the flux-filled type and is fur-nished with cleaning material and instructions.

diameter. Rosin Core K14857 K14858 K14878 \$0.17 K14877 .64 3.00 K14859



K14845

KESTER Thin-Core Solder: Rosin core. Dia. 1/6". K14851—1 lb. Spool..........67c K14852—5 lb. Spool

Solder Paste, Flux and Tinning Bar

NOKORODE Paste (top): Non-corrosive paste. Fluxes all metals except aluminum without corroding or discoloring. Insures perfect soldered joint. Very

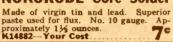
K15277—Per Can, Your Cost. 10c
KESTER Paste Flux (center): Non-corrosive. For Clean, solid connections. In handy two-ounce can. K15278—

Your Cost Each
KESTER Tinning Block (bottom): Cleans and
tins soldering irons speedily. Easy to use. In handy ound bar. 1875 Your Cost Each 15°





NOKORODE Core Solder



"RAPID" Electroplaters

Small portable electroplating outfits for Small portable electroplating outfits for home or workshop. Easy to use. For replating jewelry, utensils, radio parts, etc. Each kit contains: 1 oz. of plating compound; 1 oz. of metal polish; 1 anode brush; battery wires with clips attached; full instructions. Require two No. 6 cells (not supplied). Wt. 1½ lbs. cells (not supplied).

K15359—Nickel Plating Outfit K15360—Copper Plating Outfit \$1.10 ing Outfit \$1.47 ing Outfit \$1.570—Silver Flating Outfit \$1.570—Silv

K15374—Cadmium Compound **New Industrial Silver Plating Outfit** For industrial use only. Comprises 8-oz. Ele Applicator, 4-oz. metal cleaner. Shpg. wt. 3 ibs. K15376—Your Cost. Electrolyte, Sterling Silver

UNION Machinists Hardwood Chests





Deluxe portable drawer-type chests for machinists, radio servicemen, etc. Drawers can't warp or twist—chest door slides under the bottom drawer, out of the way. Made from thoroughly seasoned, finely grained Quartered oak. Lock-cornered joints in frames. Steel drawer bottoms and drawer supports set in grooves in ends of chests. Every drawer felt lined and hand fitted to assure easy sliding. Heavily plated, extraheavy hardware and fittings, with substantial locks. Genuine leather steel-reinforced handles. Style A is open top type. Finest made. Metal framed mirror in cover. Hand rubbed lacquer finish. Style B is front opening. All locks are tamper proof and have 100-key changes.

Stock Sty No. Fig		Sho	Inside D	Dimensions Long Drawers	Wt.	Your Cost
K22355 A	17x83/6x123/4	4 Dr.		Till 16 x75/6x3 1 Dr. 151/4x61/4x 15/6 1 Dr. 151/4x61/4x23/6	29	\$19.84
K22356 A	20x83/6x123/4			Till 19 x75/6x3 1 Dr. 181/4x61/4x15/6 1 Dr. 181/4x61/4x25/6	31	20.97
K22357 B	20x9 x121/8	1 Dr. 4 Dr.		1 Dr. 18½x7 x1½ 1 Dr. 18½x7 x1½ 1 Dr. 18½x7 x2½		16.66
K22358 B	17x81/6x107/6	1 Dr. 2 Dr.		1 Dr. 151/4x61/4x11/6 1 Dr. 151/4x61/4x11/6 1 Dr. 151/4x61/4x211/6		12.25

Cabinet Repair Kits



Handy kit, ideal for radio shops, stores, trucks, etc. Small brushes in caps of all bottles make quick patching of damaged cabinets easy. Kit contains bottle each of: Ivory spirit enamel, light and dark, dark brown lacquer enamel, walnut spirit stain, polish renewer, French varnish; 3 sheets garnet finishing paper, steel wool, polishing cloth and instructions. Shpg. wt. 3 lbs. \$1.15



plastic, bakelite or wood cabinets. 9 shades of shellac sticks.

bottles light and dark oil stain, bottle of metal shading lacquer. Magic Scratch Remover, alcohol lamp, spatula, touch-up brushes, steel wool, etc. Very easy to use. Shpg. wt. 3 lbs \$2.06

Cabinet Touch-Up Kit: Same as above, less Scratch Remover, shellac sticks, lamp and spatula (stains only). Ideal size and equipment for servicemen to keep in tool kit.

K15522-Your Cost **Handy Scratch Remover**

A simple touch with the brush and blemish disappears. Touch-up wax on other end.
Type A in Bakelite case with pocket clip.
Type B in handy fibre

carrying case. K15519— Type A. Each 29c 10 For \$2.80 K15520—

Type B. Each 22°



Shellac Patch Sticks



repairing cabinets. All are 7" long; in various shades.

K15523—Light Walnut. K15524—Dark Walnut. K15525—Black. K15526—Maple.

Plastic Cabinet Cement Repairs Bakelite or Plaskon molded radio cabinets. Dries fast and holds securely. K15273—2 oz. bottle.

DUCO Cement

Excellent for repairing speaker cones, cementing grille cloths, etc.

Lots of 12 19c ea. K 15257 210





KROM ALL Paint Brush or spray on. Leaves satin chrome finish, no brush marks. K15396—4 oz. K15396—4 oz. 2,9°

Insulating Pitch

1 lb; can. K14864—Ea. 29° gallon can. Wt. 12 lbs. \$1.39





UDLS and HARDWARE

WALSCO Staple Driver



For neater, faster jobs on all wire and cable installations. Reaches places inaccessible with hammer and ordinary staples. Attaches staples to any surface. Lightweight, rust-proof construction. Staples wires up to ¼" diam. Single stroke with palm of hand drives staple home. Fully automatic. Magazine hold 24 staples when leaded when loaded.

Staple-Driver, with of 50) staples. Wt. 2 lbs. box of (250) staples.

\$3.33

WALSCO Carrying Case



For carrying the Walsco Stapler in the pocket or on the belt. Genuine leather.

\$1.22



WALSCO Rubber Cap Covers plunger head and makes it easier on the hand to drive staples into hard

K15090 - Fach

WALSCO Steel Staples



Made of carbon tool steel. strips especially made for the Walsoo Staple Driver. Inside coated with special clear insulating lacquer. Brown color. K15093—Box 250. \$28\$\$K15099—Box 1000. \$1.08\$\$K15100—Box 5000. \$4.90\$\$

LENK Alcohol and Gasoline Torches



Type A—Compact, leak-proof torch for serviceman and home mechanic. Size: 6x2x11/4". Wt. 1 lb.

K14868 -Alcohol. \$1.30 Each Type 8—Double burner torch—provides either broad or needle point flame. Cleansing pin in handle. 7x4\f\(\frac{4}{x}\), ". Wt. 3 lbs. K14867—Alcohol. \$2.93

\$2.93 Type C—Gasoline torch. Has flame control, shut off valve and many other features. 7½" H.x3" base D. Polished brass. Cap. ½ pint. Wt.

Your Cost \$1.79 KTARSS. K14856—Same but for alcohol. \$1.96

LENK Torch Fuel



No sediment in fuel prevents carbon deposit on wick. Eliminates corrowick. Eliminates corre-sion. Maximum efficiency. K14860—16 oz. can... 39c K14890—Quart can... 69c Ship by Express Only

GENERAL PURPOSE CIRCLE CUTTERS



Provides an easy, accurate method for cutting clean circular holes in brass, aluminum, steel, wood, Bakelite, etc. Of fine heat-treated steel. Used with ordinary hand brace or slow speed drill press. All

Stock	Type	Cuts	Shank	Type	Your
No.	No.	Hole	Style	Work	Cost
K14720 K14718 K14711 K14713	2 4 5	% to 2½" % to 4" % to 4" 1 to 5½"	Round Round Round Round	Light Medium Medium Heavy	\$0.78 1.15 1.30 1.88
K14715	5	1 to 5½" % to 4" 1¼ to 8"	Square	Heavy	1.88
K14717	1†		Round	Medium	1.88
K15069	5		Square	Ex. Heavy	2.97

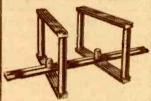
* Not illustrated.

† Has extra beading cutter.

Replacement Drills and Blades

K15070-Blade for use with K15069. Your Cost

ACRO Die Cradle



For Industrial Use an easier, more accurate method for drilling—counterboring—tapping—milling and grinding! Saves time and prevents spoiled work. Handles a wide range of sizes. Standard height of parallels is 7" while the adjustment spread ranges up to 20". adjustment spread ranges up to 20.
Ample clearance for guide posts on
the die set, even on large size jobs.
Made of high grade steel hardened
and ground to close tolerances. All
parts universally parallel, undistortable and unbreakable. Shpg. tortable and unbreakable. Shpg. wt. 15 lbs.
K15038-Your Cost \$19.35



Rivet-Eyelet **Punch Set**

Hardened steel tools. Cast iron holder. Hex sides to grip in vise. With rivets and eyelets. K15045 \$2.06

etting Tool Only: As used with bove set. Case hardened steel. above set. K15065

Each. Rivet — Eyelet Assortment K15066—100 assorted rivets and eyeleta. Your Cost 41°

ACRO Chassis Cradle



Holds any radio, amplifier, power supply, etc. chassis in any desired position for testing, repairing or counter demonstration. Special clamps (supplied) grip chassis firmly and leave hands free for work. Built of steel. 28½" L., 15½" W., 12" H. Shpg. wt. 5 lbs. W15072—With clamps. \$4.75
Your Cost. K15072—Extra Clamps (Pair) \$2.45

K15072-Extra Clamps (Pair). \$2.45 K15073-Heavy Duty Clamps (Pair). \$2.70

Deluxe Coil Winder



Will wind honey comb, spider-web, or solenoid coils of various widths and diameters equal in appearance to factory made coils. Includes all accessories for winding the various types. Has recorder and indicator that counts turns. Instructions in-cluded. Shpg. wt. 6 lbs.

K14725— Your Cost Each

Vernier Sliding Caliper 6" Rule With Depth Gauge



Precision made of fine tool steel. Highly accu-rate. 5" rule graduated in 16ths and 32nds. 5"

Accurate Graduations caliper has lock aut.

Jections for accurate dividing, scribing, etc.

No shop should be without this highly important measuring tool. Shpg. wt. 1 lb.

Adjustable Hack Saw Frame



New patented design adjustable from 8" to 12". Cold forged steel frame. Depth of frame 2\(\frac{1}{2} \)". Complete with 8" blade. Shpg. wt. 2 lbs. K17286— Each

Coping Saw Frame and Blade

Heavy, rigid, round edge steel frame. Excellent quality 6½" blade for wood or metal. Adjustable tension. Heavily plated frame and ferrule. Hardwood handle. Complete with one blade. Shpg. wt. 1 lb. 190 K17278—Each. K17278—Extra Blades. 6½" pin type. Each. 4c Per Doz. . . 36c

Close-Cut Hacksaw

Fits where ordinary hacksaws cannot be used. Saves time and temper. Heavily plated steel frame. Complete with specially-designed waveset 10° blade. Will take broken hacksaw blades. Shpg. wt. 1 lb. K17280

59° K17281—Extra 10" blades—wave-set. Each. 17c Per Doz. . . \$1.85

CAN'T-ROLL Center Punch

Tempered steel with large head and knurled grip. Square head will not roll. Length 41/6", diameter .325". Shpg. wt. 1 lb. K14999—Your Cost..... 10c

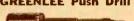
Flexible Hack Saw Blades



Extra hard. Extra flexible. Longer life. Scientifically heat treated for hardness and flexibility. For all standard frames. Shpg. wt. approx. 1 lb. per doz. All are ½" wide and .025" thick. Stock

Length Teeth* Each Doz 10" 18 6c 60c 10" 24 6c 60c No. 1 K17273 K17274 60c 60c 72c 12" K17276 * Number of teeth per inch.

GREENLEE Push Drill



Spring controlled automatic drill. Supplied with 8 sizes of drill points from ½" to ½". Handle holds drills and has plastic window making cutting parts of points visible. Precision made and heavily plated. Wt. 1 lb. K17183—Your Cost \$1.84

Drill Stand

Holds complete set from No. 1-No. 60.



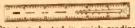
MECHANICS and SERVICEMEN

Handy Steel Rule

The former believe to great from Depth Gauge

A handy, accurate pocket rule for quick measurement. Made of steel, with convenient pocket clip for depth measurements. 6 inches long, graduated in quick reading 64ths. K14996— Your Cost Each

Steel 6" Rule with 8 & S Wire Gauge



Front graduated in quick reading 32nds and 64ths; also has American or B&S wire gauge for sizes from No. 8 to No. 20. Back has B&S wire gauge decimal equivalents. In leather case. K15007—Each.

Tempered Steel 6" Rule

Stiff tempered steel 6" rule. Similar to rule above, but without wire gauge. 32nds and 64ths on front; back has decimal equivalents. % inch wide. K14982—Each

Drill and Wire Gauge

Highly accurate-of hardened and tempered steel. Clear, easy reading nu-merals. Drill, tap size and decimal equivalents each. Pocket size.

Multi-Use Rule and Gauge



Four inch quick-reading 32nd and four inch quick-resum 32nd and 64th inch scale, drill point gauge square, bevel protractor, center finder, circle divider, tap drill table. Tempered steel—highly polished. With leather case.

Tool Steel Reamers Made of heat treated steel.

K15049—1%" to ½". 5%" overall with "T" handle. K15050—Same but Bit Brace.

Either Type Above, Each 69c 61/6" overall. K15048-3/8" to 1".

Expansion Bits



Fine quality. K15116—5%" to 11/2". \$1.10 K15117-1/8" to 8"

Screw Extractors



For removing bro-ken acrews, bolts, ken screws, bolts, etc. Drill hole in etc. Drill hole in broken screw-insert extractor—turn to left-and out it Four sizes Shpg. wt. comes.

K15279-Your Cost. Per Set

BLACK & DECKER Junior Drill



A husky, fine make drill for shop or home. Alumi-num casings, oilless bear-ings, powerful efficient motor, 3-jaw Jacobs chuck and key (for drills to

thumb control switch, 3-conductor cable and plug (one for grounding). 1034" overall. For steel and softer materials. For 1-10 V. AC-DC.

Shpg. wt. 5 lbs. K14700—Your Cost \$19.95 less 2%

\$19.55

PEERLESS 1/4" Drill



Die-cast metal frame. Attractive frame. Attractive aluminum paint finish. 14" capacity simplified hand chuck for quick removal of twist drills. Slide action switch. Universal motor operates on 115 volts D.C. or A.C. (50/60 cycles). (50/60 cycles) Armature on self-aligning bearings. Spindle on ball and Oilite bearings. 10% long. K14742- \$12.95

K14741—As above, but with key chuck, Your Cost. 513.95

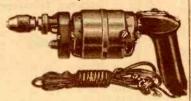
Compact A.C.-D.C. Electric "Hobby" Drill



dependable. Motor operates on 110 volts AC-DC. Takes up to 4" straight shank drills. For steel, wood, metal. Fine for confined spaces. Metal body, red and black finish. Toggle switch control. With chuck, rubber cord and plug set. Size 7%x6". Shps. wt. 4 lbs. K16696—Your Cost.

A.C.-D.C. Electric Speed Drill

Drills through 3/4" steel. 215/4" diameter permits drilling 3/4" from corners. 110 volt AC-DC universal motor. Takes up to 3/4" bits. Knurled collar pe mits easy insertion and removal of bits. Long rubber covered cable and plug. Shpg. wt. 5 lbs. K14731—\$8.25



HANDEE Grinder Tool of 1000 Uses

Will drill, grind, polish, cut, carve, saw and engrave on all materials. Fits the hand, yet incorporates a powerful high-speed motor which is practically troubleproof. Ball bearing construction with packed-in lubrication, enclosed motor, built-in switch. Operates on 110-120 volts 25-60 Each unit supplied with 1/8" spring collet chuck.

K15351—Standard HANDEE less Grip-Sleeve. Speed 18,000 r.p.m. With 3 mounted wheels. HANDEE No. 2AB. \$9.14

K15353-Custom HANDEE kit, with grip-sleeve to rest fingers. In steel carrying case with 27 accessories. HANDEE No. 2060. Your Cost.... \$14.66

K15354—De Luxe HANDEE, complete with 7 accessories as follows: 1/8" Collet; 5 Wheels; 1 Rubber Polishing Wheel; 1 Wheel Dressing Stone. Speed 25,000 r.p.m. HANDEE No. 3008. \$15.72

K15263-DeLuxe HANDEE outfit, complete with 27 fine accessories K15263—DeLuxe HANDEE outfit, complete with 27 fine accessories and contained in a steel carrying case. Accessories include: rubber polishing wheel with mandrel; saw with mandrel; slitting saw; two steel cutters; three drills; push-pin mandrel; steel wire cavity brush; bristle brush; wire scratch brush; rubber disc with mandrel; left polishing point with mandrel; rubber polishing point with mandrel; polishing wheel; drum sander and three bands; disc cleaning brush; mounted wheels (six); wheel dressing stone; vial of Handee speed oil: dozen assorted sandpaper discs. You can accomplish every conceivable job with this complete outfit. No. 3010. Shpg. vt. 8 lbs. 5 21.25

Set of 9 Assorted Steel Drills



Sizes 16" to 36". Good fast cutting steel. Correctly ground; will hold edge. Popular sizes for radio work. In hardwood box. \$1.10

Geared Chuck For Drills

7 to 1 geared chuck to use drills up to ½" in your small electric drill. Shpg. wt. 4 lbs.

Motor Chuck-Arbors

Fit shaft of any small motor in place of pulley. With

Each

pulley. With flange and locking nut to hold grinding wheels, saws, etc. 1/2" three-jaw chuck. *Less Flange Motor Stock Unit Your No. K15095* No. 495 780 K15096 K15097 490 490-A K15098 490-B

Slide Caliper Rule



Inside and outside diameters up to 3 inches, in 16 and 12". Knurled locknut. Wt. 8 oz. K14891—Your Cost. 12°

Tap. Drill and Die Set



Contains three 1" diameter dies (4-36, 6-32, 8-32) with die stock; three taps (4-36, 6-32, 8-32) and 3 matching tap drills for these taps Tap holder also included. All housed in natural mahogany case. Shpg. wt. 3 lbs. \$1.89

Hand Drill

Well balanced hand drill with ½" hardened chuck jaws. Accurately meshed gears. Polished hollow handle for storing drills. A much needed tool on the radio work bench. Handle top threads on to body. High speed gears. Shpg. wt. 3 lbs. K14723— \$1.15



DIETZGEN Slide Rules



Apprentice slide rule (Maniphase type). 10" graduations on hard wood and finished in natural grain with clear lacquer. Has a molded one-piece unbreakable indicator. one-piece unoreaxable indicator.
Reverse side of rule has inch scale
on one edge and millimeter rule on
other. Back of rule contains special set of conversion tables as well as decimal equivalent chart. Supplied with imitation leather case and instructions. K14888—Each

National Slide Rule. Like above, but graduations on a high quality white surface. K 14889 Fach

SOLDERING IRONS and

Trutest DeLuxe Irons Approved By Underwriter's



The best soldering iron values on the market today! All Trutest DeLuxe irons feature: replaceable elements wound on metal cores, with best grade mica insulation; replaceable hard best grade mice insulation, replaces one name drawn copper tips, tinned; one-piece cases finished in gun metal; replaceable smooth black wood handles; Underwriter's approved cord with cord spring. For a.c. or d.c. All furnished complete with metal stands. Shgs. wt. 3 lbs.

K15180—75 Watts, 110/120 V. Your Cost Each	\$1.50
K15197-75 Watts, 220/250 V.	\$1.65
Your Cost Each. K15182—90 Watts, 110/120 V.	\$2.25
Your Cost Each. K15198—90 Watts, 220/250 V.	\$2.45
K15198—90 Watts, 220/250 V. Your Cost Each. K15184—170 Watts, 110/120 V. Your Cost Each.	4.45
Your Cost Each	*3.00
Your Cost Each K15199—170 Watts, 220/250 V. Your Cost Each	*3.95
Your Cost Each K15187—300 Watts, 110/120 V. Your Cost Each	\$5.35
Your Cost Each. K15188—300 Watts, 220/250 V. Your Cost Each.	\$5.35

TRUTEST Replacement Elements

For use with the above irons. Can be installed in a few minutes. For 110 volt types only. Shpg. wt. 34 lb.
K14450—For 75-Watt Irons. Each. . \$0.90
K14451—For 90-Watt Irons. Each. . 1.50
K14452—For 170-Watt Irons. Each. . 2.25
K14453—For 300-Watt Irons. Each. . 3.75



Sturdily constructed. Resistance ments wound on porcelain tubes. 55-iron furnished with one 3%" and one screw-on tips; 75-watt iron with one screw-on tip; 100-watt iron with one plunger-tip. 6-ft. cord. 55-watt

K14892-55-Watt Ire	n.
Your Cost, with 21	ips
K14894- 75-Watt I	79° 79° 79° 79° 79° 79° 79° 79° 79° 79°
K14893-100-Watt I	on\$1,50

DRAKE Soldering Irons Underwriter's Approved



Elements are wound on high grade amber mica with finest nichrome wire. All are furnished complete with 6 foot cord set and "Magic Cup" iron stand.

80-Watts: Model 225. With \(\frac{4}{0} \) tip. Recommended for light duty work on radio sets, instruments, etc. Shpg. wt. 2 lbs. \(\frac{5}{2.06} \)

100 Watts: Model 325. With % tip. Recommended for medium radio and switchboard work. Shpg. wt. 3 lbs. \$2.44 \$2.44

DRAKE Compact Iron

Smallest industrial iron, for tight corners and delicate instrument wiring. Measures 9" and weighs only 9 oz. 60 watts with ½" tip. With 6-ft. cord and Magic Cup stand. Underwriter's Approved. Shpg. wt. 1 lb. K14335—
Your Cost Each. \$2.65

Jackson Heavy Duty Irons

Extra heavy duty irons designed espe cially for industrial or shop use. Heating element and all parts renewable. Screwin tip and adjustable tip (with set screws) types. 6-ft. cord and removable handle. Wt. 2 lbs.

With Screw-In Tips

Stock No.	Watts	Tip Dia.	Your Cost	Stock No.	Your
K14874 K14853	75 100	1/6"	\$1.95 2.48	K14886 K14887	39c 55c
	With	Adjus	table 1	Tips	

	With	Adjus	table '	Tips	
K15176 K15177 K15178	75 100 150	1/4 1/4 1/4	2.78	K15166 K14901 K15168	28c

JACKSON Replacement Elements

For use with the above Jackson irons. to install. For 110/120 volts a.c. or d.c.	Easy
K14454—For K14874 iron (75 w.)	. \$0.90
K14455—For K14853 iron (100 w.)	1.50
K14456—For K15176 iron (75 w.)	90
K14457—For K15177 iron (100 w.)	. 1.50
K14458—For K15178 iron (150 w.)	1.85

Jackson Midget Iron-55 Watts

size some...iron. 11" in iron. 11" in length. Black enamel handle and gunmetal spish case. Plunger tip 1/4" in dia. 55 watt iron.

Your Cost

Jackson Telescope Iron



A clever type iron that can be adjusted for use as a full size or midget size tool. Adjustablefrom

8" to 12" long. Sliding tip Plunger type barrel. K15179—65 watts. %" tip. with set screw. \$1.20 Your Cost K15181-100 watts. 1/6" tip. \$1.65

Soldering Iron Tips

Replacentips of qu	nent plunger ality copper.	type	
Stock No.		Size 1	our Cost
K15166	60- 75 w.	\$ 6x27/8"	27c
K14903	85-100 w.	%x4 1/2"	28c
K15168	115-150 w.	1/2×31/4"	39c

ESICO High Quality Soldering Irons



Preferred by technicians everywhere. All are constructed of the finest materials and will give long, dependable service. High grade elements are wound on finest mica insulation. Underwriter's approved. Furnished with 6-ft. cord set. For a.c. or d.c. All models are supplied WITH STAND. Shpg. wt. 3 lbs. each.

With Screw-In Tips

So	idering	Iron	s	Extra	Tips
Stock No.	Watts		Your Cost	Stock	
K14848 K14854 K15174		78" 78"	1.73	K14847 K14847 K15175	28c 28c 35c

Constant Duty Models

Plug-tip irons especially designed for use in constant duty at factories, labs, etc. For 110 volts a.c. or d.c. Wt. 4 lbs.

So	Idering	Iron	s	Extra	Tips
Stock		Tip	Your	Stock No.	
K15190 K15191	110 130	1/8"	\$3.23 4.55	K14903 K15168	28c

ESICO "Special" Irons



This is an excellent iron for those having only occasional

use for a soldering iron. Heating element is of use for a soldering fron. Heating element is of nichrome wire. Heats up in surprisingly short time. Handle of cherry wood. Blued steel shank. Consumes 55 watts. Shpg. wt. 3 lbs. K14846-With 1 Tip.

736
K14849-With 2 Tips. Your Cost. ... 88c

ESICO Thermostatic Control Stand

Use of this unit makes it impossible to overheat iron. Iron can be maintained



at any desired temperature while in stand. When removed from control, full current is applied to iron. For irons with up to 1" diam. tips. Wt.

K14885 Stand Only. Your Cost

\$3.82

"AMERICAN BEAUTY" Irons



So-Watt, Model S76
A smaller "American Beauty" for soldering in corners and tight places. "" tip. With stand. Shgs. wt. 2 lbs.

K15172—Your Cost.
K15173—Extra tip for above. Each. 23c

"AMERICAN BEAUTY" Stand

tatic



SUPER Soldering Iron



40 watts For 110 V a.c.-d.c. Hardwood handle. 10" long; ½" copper tip. 4-ft. cord.

Shpg. wt. 1 lb. K14873—Your Cost Lots of 10

30°

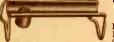
Compact Pencil-Type Irons



Compact and light weight.

plug and removable tip. Rated at 25 watts.

K15155—110 V., a.c. or dc. | \$1.13 Each
K15154—40 Watt, Heavy-Duty Iron. For 110Your Cost Each



"Magic Cup" Iron Stand

Insert tip into Magic Cup and oxide disappears.

K14880 Shpg. wt. 1 lb. Your Cost
Plain Stand Only. As above, but less magic cup. 7 inches long K15219—Your Cost

EEST PRODS and ALIGNING COOLS

5-IN-1 Aligner Kit



and "nut wrenches, miniature blade screwdriver for all aligning and a full-size insulated handle screw-3 piece set.

Your Cost

Aligning Tool Set

Two tools, one fits within other. One is 6" long, 3%" diameter with fitted brass wrenches for 34" and 46" hex nuts. Other is 128" rod fitted with screwdriver nib and special magnetic steel. K15083-Your Cost.

Double Shank Trimmers

For Philco, RCA, etc. Screwdriver shank is 1/2" diameter—fits into 1/4" hole up to 11/4"; other end takes

Low "C" Aligner

A low capacity screwdriver for aligning superhets. 1/2" bone fibre, with 2 driver nibs. One extends 1/2", for padding condensers. Other has re-cessed screwdriver for permeability tuned circuits. K15145—Your Cost

Hex Socket Aligner

6" long with brass ¼" socket head. Other end has hardened screwdriver Shaft diameter 1/2". 38°

FIBRITE Screw Driver

7" long; driver at both ends for all

trimmer condensers. K15150—½ diameter... K15151—½ diameter...

ICA Aligning Kit

14 tools telescope into six units: a flexible screwdriver "magic" align-ment tool, alligator side wrench, 6" ment tool, alligator side wrench, 6" insulated driver—metal nib, ½" and ¼" nut wrench, ¼" insulated square nut wrench, ½" insulated driver with metal nib, ¼" hex slotted insulated wrench driver, ½" hex insulated driver. K15088—

\$3.82 \$3.82 Kit



Aligning Wrench

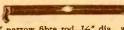


Trimmer Screwdriver



For slotted trimmers. Has recessed blade in metal nib. Shank diameter '\u03c4'', small enough to go through a \u03c4'' hole. Length 4\u03c4''. Black. K15074— Your Cost 82°

Aligning Tool



6" narrow fibre rod, 1/4" dia., with special metal clip for air trimmers. K15078—For Philco sets. 32°

Neon Test-O-Lite



With this Test-O-Lite you can find blown out fuses immediately. Will check any voltage between 110 and 550 volts—either a.c. or d.c. Will also check spark-plugs, radio sets, appliances, etc. Distinguishes a.c. from d.c. Bakelite case. Complete with pocket clip.

K12983—Your Cost...

Adjustable Balancer

Bone fibre no metal parts. Screwdriver slides inside aligning wrench; other end has hex socket K15192—Extends 6" to 11". Your Cost Each. K15193—10" to 18"....

Neutralizing "Driver"

For aligning coils, condensers, etc. K15080—6¼x¼″.

U.H.F. Aligning Tool

Molded of pure Polystyrene no capacity effect on critical With pocket clip. $6x \frac{1}{2}$. K15075—Each

Handy Neon Circuit Tester

Shows open circuits, polarity, continuity, etc. Checks fuses in etc. Checks luses in circuit. Tiny neon lamp glows on only .1 ma. Coded leads have phone tips, 90-550 v. K11310— .59° Each. Low Voltage Type. Range 3 to 25v. Leads have alligator clips.

K11308---



Dual Alignment Tool

Push-Button Tuner Aligning Tool

Special for aligning variable permeability push-button tuning units. Bone fibre handle 3g" dia., 13g" dia., contains recessed screwdriver nib.

nib. K15115—Your Cost.

Flexible Tuning Wand

A 6" flexible rod; one end brass loaded—the other, core steel. Placing either end in magnetic field of coil will show inductive condition. coil will show inductive condition.

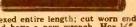
Solid Tuning Wand Similar to above, except that the body is solid insulation.
K14976—Your Cost Each. 62

4-1 Neutralizing Tool



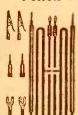
Has pen clip for pocket. 4" nut wrench with key slot, and aligning screwdriver. Bakelite. K14915—Your Cost. 46°

Insulated Hex Wrench



Hexed entire length; cut worn end and have a new wrench. Hex ¼". Stock No. Length Your Cost K15148 6" 16c

Pencil Prod Kit



Spring prongs at the end of prods allow changing from spade lugs to phone tips or to spring clips.
Handles are 6"
long. 4" diameter. Five foot
red and black kinkless wire. Complete with two alligator

point phone tips and two tapered K12971—Your Cost \$1.22

Similar to above, but fixed ends.
With Spring Clip Ends
K12882—Per Set.
With Phone Tip Ends
K12883—Per Set.
62°

Laboratory Prods

Heavy duty. Bronze tip with needle point and heavy body.
Double purpose
—needle prod
and phone tip
prod. Heavy 5" ong handles. and black kink-

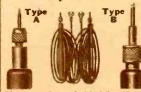


Test Lead BARGAIN!



37-inch test leads equipped with phone tips at one end and 4-inch insulated prods

Needle and Solderless Tip Prods



Chucks and nuts hold plain phonograph needles (Type A). Fibre handles 4" long, 3%" diam., in red and black, colored kinkless wire. Type B is solderless tip with long point. Leads 50" long.

NEEDLE TIP PRODS (A) No. Wire Ends K12976—Phone Tips 46° K12975—Spade Lugs K12977—Alligator

SOLDERLESS TIP PLUGS (B) K12968-Phone Tips 46° K12970-Alligator

Test Prods



High grade insulated prods, availhigh grade insulated pross, available with three different types of tips. Type A is standard solderless phone tip with knurled collar: Type B has chuck and nut to hold plain phono needle; Type C has banana plug to fit standard banana jack. Red or Black—specify

SOLDERLESS PROD (A) Length PHONO NEEDLE TIP (B) K12868 27c BANANA PLUG TIP (C) 19c

"No Break" Prods



Of solid brass nickeled and cov-ered with shockless live rubber—1 red, 1 black; sharp pointed tips. Other end of 50" kinkless rubber wires have solderless insulated

per wires nave solderiess insulate phone tips.

K12999—Pair.

K13000—Same but with plain noi insulated phone tips.

Your Cost Per Pair.

46 46°

10,000 Volt Test Leads Safely test up to 10,000 volts. Necessary for television work. Large diameter bakelite prods, 6" long, have guarded midget phone tips. 2" phone tips. 2" bakelite phone

tips prods .50" heavy duty cables of 18 gauge stranded tinned copper lack. Shpg. wt. 1 lb. One red,

\$1.94

Pencil Type Test Leads



5" long handles of red and black
phenolic.
With rubber, kinkless wire.

Molded finger grip tips with set screws. 65" overall. K12988—Your Cost 81°

Mueller "Snapper" Probe

A 7" fibre insulated tube fitted with spring contact jaws that separate by thumb pressure on knob. Test leads connect under knob.
K14916—Red Handle | 38c Each
K14917—Black Handle | 72c Pair

51c

LORY REPLACEMENT VIBRATORS

- . B CONTACTS
- LONGER LIFE
- GREATER DEPENDABILITY

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3 OUT OF EVERY 4 ARE MALLORY OVER 5.000,000 IN USE

		IN	No. Type	Each (No.	Type	Each I		
No.	Type	ach K	(6120 G249	\$4.20	K6093	Type 505P	\$1.76	No	Type Each
K6089	4-4	1.23 K	(6123 253	2.79	K7285	506P	2.79	K 7797	
K6106		5.29 K	(6124 253T	2.79	K6071	507P	1.76	K 6083	839 \$2.44 850 2.09
K6112	220B	2.82 K	(6125 253Y	2.09	K7286	508P	1.76	K 6084	
K6113	221	2.79 K	(7282 264	3.50	K7287	509P	1 76	K C085	
K6114	222	3.88 K	(6126 270B	4.20	K6072	510P	2 12	K COSC	
K6165		4.94 K	(6127 271		K6073	514	3.50	K7276	854 2.09
K6116		5.29 K		3.88	K6074	716		K6076	859 2.09
K6119		4.20 K		3.88	K7288	722 A	3 50	K6110	860 2.09 866 2.09
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							. 5.30	IN1213	1100 2.09

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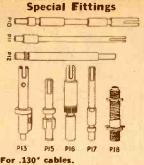
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		6C1, 6L, 6N, 6R	294
		06W, 06X, 072A	210
		C5, 6C7, 6C9, 6J 6K, 36C7 6C1, 6L, 6N, 6R 06W, 06X, 072A 6S, 6U, 26S1, 26U1 5Y, 25Y1	253 286S
	509P		
	510P	Westinghous	e
	951P 866	B718A, B718X, B819A	W 245 A
	800	WR25, WR26 B718A, B718X, B819A . WR500, WR501	253Y
1	, .	Zenith	
	273C 273C		246
	273C 222	4B231, 48313-14-17	246
	852	4B355, 4V31, 6MN496.	246
	852	6B164 6B231 6V27	246
	852	4B106, 4B131, 4B132 4B231, 48313-14-17 4B355, 4V31, 6MN496 4V59, 6B107, 6B129 6B164, 6B231, 6V27 4F133, 5F134, 5F166 5J217, 5J247, 5J255 6J320, 6J257, 6MN495 6J322, 6J357, 7MN596. 6M905, 6M91D, 6M91B. 6M902, 6M192, 6M193. 5M191, 6M90D 650HD, 651HE, 660TD	W246
	249 870	5J217, 5J247, 5J255	850
	868	61399 61357 7MN506	850
	742	6M90S, 6M91D, 6M91S.	294
	859	6M92, 6M192, 6M193	294
	G249	5M191, 6M901)	294
	G249	5M291 5M294 6M292	292
ļ	245A	650HD, 651HE, 660TD, 5M291, 5M294, 6M292, 6M293, 6M295, 6M390	853
	249	Zephyr (Lincol	Cal
	749	20B6, 30B7, 21B6, 30P7, 22B6, 32B7 3M7, 3M8 —Cup adapter is necesse	
	850	22B6, 32B7	245C
	722A 728A	Cup adapter is necess	294
	728A 286S	Cun Adanter: When nue	chaen!
	2710	Cup Adapter: When pur with any Mallory Vib. K6148—Each	11 C
	224	K6148-Each	1

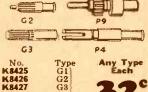
AUTO RADIO CABLE FITTINGS



For .130 No. K8084 No. K8089 Гуре Р10 Type P15 K8085 K8090 K8091 P16 P17 K8086 K8087 K8092 Any Type Above Your Cost Each 32° **Gear Fittings**

GI

K8331



For .150" cables.

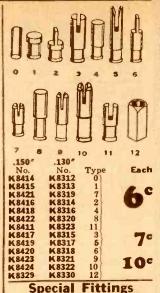
Housing Cable and

THE HALL SO SOLEN SOLEMNE PARAGE AND A

Finest quality cable for auto radio remote controls. Cable ends swedged —cannot unravel. Shpg. wt. 1 lb.

.130"	.150"		
No.	No.	Length	Eacl
K8299	K8433	18"	\$0.32
K8300	K8434	24"	.40
K8301	K8302	30"	.50
K8303	K8435	36"	.57
Cable	and St	eel Hous	ing
K8304	K8437	18"	.62
K8305	K8438	24"	.75
K8306	K8307	30"	.95
K8308	K8439	36"	1.10

Special Cable for Majestic, Clarion, A. K., and Arvin Sets 9-foot Bowden cable with 8-foot sheath. Exact dup. K16078—Your Cost.

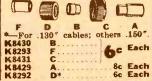


0 **全**多 P6 C82L CB25

CB1 C5 MO All for .150" cables except M0130 (for .130"). C5 is easing chuck for Motorola; types M0130 and M0150 are bell ends for Motorola cables. CBI C5

No.	Туре	Each
K8294	P5	
K8295	P6	
K8296	CB2-L	4 7 C
K8297	CB2-S	
K8298	CB1	
K8282	C5	
K 8283	MO(.130")	200
K8284	MO(.150")	29°

Housing Ends





STAR Remote Control

Fits all cars, all radios. No drilling or filing. Use with both clockwise and counter-clockwise condensers. Direct drive. Adjustable wise condensers. Direct drive. Adjustable to any gear ratio; 5 interchangeable gears supplied for 6, 8, 10, 12 and 16 to 1 ratio.

Order plate kit from listing.

Wt. 2 lbs. Each. \$2.59



K 9333-

S-1. Power ''on-off'' switch (top). With leads, fuse retainer. pilot socket and lead. Assembled. K9332 80c Each. 80c

Switches

S-2: 2-Stage Sensitivity switch (bot-tom). Local-DX. S.P.S.T.

Solder lugs



T-2: As above, but without on-off switch. K9335—Each.

\$1.62

Volume Shaft and Switch S-1-V: Switch and volume control shaft on bracket K9409—Each 80°

TAR Panel Plate Kits



Panel plate kits comprise the dial plate, dial scale (calibrated in kilocycles) and set of matched knobs



only. All Star panel

No.	Car Model and Yes
8221	Buick 1936 (All)
9353	Buick 40, 60, 1937
9354	Buick 80, 90, 1937
9363	Buick 1938 (All)
9315	Buick 1939 (All)
8200	Buick 1940 (All)
8225	Buick 1941
8171	Buick 40, 1942
9383*	Buick 50, 70, 1942
9343	Cadillac-Lasalle '36,
9381	Cadillac-Lasalle 1938

KKKKKKKKKK 37 Cadillac-Lasalle 1939
Cadillac-Lasalle 1940
Cadillac-Lasalle 1941
Cad.-Lasalle 1942 (All)
Chevrolet 1935-1936
Chevrolet 1937
Chevrolet 1938
Chevrolet 1939
Chevrolet 1940 (All)
Chevrolet 1941
Chevrolet 1941 Cadillac-Lasalle K 8201 K 8226 K8173 K9343 K9364 K9316 K8202 K 8227 K 8174 K 9344

Chevrolet 1942 (All) Chevrolet 1942 (All) Chrysler Airstream 6, '36 Chrysler Royal 1937 Chrysler 1938 Chrysler 1939 Chrysler 1940 K9357 K9365 K 8203 Chrysler 1940 Chrysler 1941 Chrysler 1942 (All) K 8175 DeSoto DeLuxe 1936 DeSoto 1937 K9359 К9366 К9318 DeSoto 1938 DeSoto 1939 DeSoto 1940 DeSoto 1941 K8229 ₩8176 ₩9348 DeSoto 1942 (All)

Dodge 1936 Dodge 1937 Dodge 1938 Dodge 1939 K9360 K9367 ₩9319 ₩8205 Dodge 1939
Dodge 1940
Dodge 1942
Dodge 1942 (All)
Ford 1936 (All Models,
Standard & DeLuxe)
Ford Standard 1937
Ford DeLuxe 1937
Ford 1938 (All Models) K8230 K8177 K9352 €9361 K9362 K9368

Ford Standard 1939 Ford DeLuxe 1939 Ford Standard 1940 K9320 K9309 K8206 Ford DeLuxe 1940 Ford 1941 K 8231 Ford 1942 (All) Hudson 1936 K9876 K 9369

Hudson 1936 Hudson 1937 Hudson 1938 Hudson 122, 1939 Hud. DeL. 112-118, 1939 Hudson 1940 Hudson 1941 Hudson 1942 (All) Hudson-Terraplane 1937 Lincoln Zephyr 1936 K9328 K8208 K8232 M 9383* K9373 Lincolo Zephyr 1937 Lincoln Zephyr 1938 K9392

Lincoln Zephyr 1939 Lincoln Zephyr 1940 Lincoln Zephyr 1941 Lincoln Zephyr 1942 K9321 K8210

Car Model and Year No. Mercury (Ford) 1939 Mercury (Ford) 1940 Mercury (Ford) 1941 Mercury (Ford) 1942 Nash Lafayette 1937 Nash Lafayette 1938 K9312 K 8231 K 9384

Nash Lafayette 1939 K 9322 Nash-Lafayette 1940 Nash 1941 Nash 1942 (All) K 8234

K8180 K9375 Oldsmobile 1936 Oldsmobile 1937 K9385 K9323 Oldsmobile 1939 K8212 K8235 Oldsmobile 1940 Oldsmobile 1941 K8181 K9376

Oldsmobile 1941 (All)
Packard 120, 1936
Packard 120, 1937
Packard 115, 1937
Packard 6 & 8, 1938
Packard 1940 (All)
Packard 1940 (All)
Packard 1941
Packard Clipper 1942
Plymouth DeL. 1936
Plymouth Stand. 1937
Plymouth DeL. 1937
Plymouth DeL. 1938
Plymouth DeL. 1938
Plymouth DeL. 1938
Plymouth DeL. 1938
Plymouth DeL. 1938 K9386 K9387 K9395 K9313 K8213 K8236 K9383* K9873 K9377

K9388 Plymouth DeL. 1938
Plymouth Stand. 1939
Plymouth DeL. 1939
Plymouth Stand. 1940
Plymouth DeL. 1940
Plymouth 1941 (P11)
Standard & DeLuxe
Plymouth 1941 (P12)
Special DeLuxe
Plymouth 1942 DeLuxe
Plymouth 1942 Special
DeLuxe
Pontiac 1935. 1936 K9324 K9325 K8214 K8215 K8237

K 8238

Pontiac 1935, 1936 Pontiac 1937 K9397 K9326 Pontiac 1938 Pontiac 1939 K8216 K8239 K8184 Pontiac 1940 Pontiac 1941 Pontiac 1942 Stud. Dict. late 1937 Stud. Pres. late 1937 K9390 K9391 Stud. Pres. late 1937 Studebaker 1938 Stud. Champion 1939 Stud. Commander 1939 Stud. President 1939 Stud. Commander and K9398 K9893 K9327 K9308

President 1940 Studebaker 1941 Studebaker 1942 (All) K8185 K9380 K9330 Terraplane 1936 Terraplane 1987 Terraplane 1988 Willys '37, '38, '39, '40 Universal Under Dash K9383*

All Plate Kits

Your Cost Each Less Rem. Control. \$1.78 *—Universal under-dash model mounting kit, complete.

Special Values In Auto Suppressors!



Carbon Type **Auto Radio** Suppressors

with the cases of the cases of the cases. Have been cases. Have brass fittings.

Lots of 10, ea. 8½c.

Your Cost.

K5292—Distributor Type
Lots of 10, ea. 10c.

Your Cost.



Moisture proof. Heat resisting in sulation. Fit all cars. Low d.c. resistance, yet highly resistant to ignition

noises. K5301-K5302—Distributor K5303—Slip-On Any Type, Each

rutest VIBRATORS



The Trutest line of replacement vibrators has been designed to fulfil the servicing requirements for the great majority of home and auto radio receivers (using vibrators). All provide long-lived service. Shpg. wt. 2 lbs.

NON-SYNCHRONOUS VIBRATORS



4-prong. 1 1/3" by 3 1/8" high. Most popular general replacement unit. Fits many receivers.

4-prong (diagram above). 2¼x 4¾" high. Replacement for Philco No. 38-5036, all models to 1936 except Model 816. K14632

4-prong (like above). 2" by 3\%" high. Replacement for Philco No. 41-3170. For 1936-7-8 sets except Model 816. K14636

4-prong (like above). 1 1 1 mg/m by 4 1 mg/m like above). 1 1 mg/m by 4 1 mg/m like above). 1 1 mg/m by 4 1 mg/m b K6026

4-prong (like above). 1½" by 3½" high. Replacement for Philco No. 41-3898. For 1939 sets, including Model 920, etc.

Any Non-Synchronous Vibrator Above, Your Cost Each

In Lots of 6, Each

4-prong, 15/8" by 35/8" high. Special pin arrangement. Exact replacement for Delco and General Motorssets.

K6027

K6029





6-prong, 11/4" by 31/4" high. by 31/6" high. Standard 6-O Q prong unit for Arvin, Ford, Zenith, Bosch and other makes 0:0 of auto radios K6030

. . \$1.15

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SYNCHRONOUS VIBRATORS



0 0.

-0

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5-prong, 2" by 4½" high. With condensers. For Delco, General Motors, Crosley and Colonial K6032 \$2.65

Each Lots, 6 Ea. \$2.35

5-prong, 2" by 4½" high. With condensers. For Delco, General Motors and Grunow sets

K6033 \$2.65 Each Lots, 6 Ea. \$2.35



5-prong, 11/3" by 31/8" high. Without condensers. For Arvin, Bosch, Detrola, Gru-now, Firestone, K6031



5-prong, 1½" by 3½" high. For most housebold sets (Admiral, Simplex, Western Auto, etc.). Without condensers. K6034

5-prong, 115%" by 31/2" high. by 3½" high. Without con-densers. For Delco and Gen-eral Motors auto radio re-K6035



6-prong, 1 1/2" by 3 1/2" high. Without condensers. For Crosley, G.E., Silver-tone, Zenith, tone, Zenith, Philco, etc. Farm and auto. K6037



Synchronous Vibrators Any Type Above, except K6032 and K6033 (prices shown above). Your Cost \$2.35 In Lots of 6. \$2.10

CROS	S INDE	K OF EQUI	VALENT VII	BRAT	ORS
TRUTEST	RADIART	MALLORY	DELCO	UTAH	MEISS.
Stock No.	Type	Туре	Туре	Туре	& ELEC.
K6031	5409, 5413	245, 281, 285	5051125, 5053185	SP5	715
K6032	3461, 4613	273C	5038055, 5039661	SP51	704
K6037	4416, 5411	46, 246	5052525	SP66	712
K6034	3679, 5410	45C, 245C	5053181	SP55	714
K6033	4611	273D	5041376, 5043853	SP52	718
K6036	3883, 5400	248, 286S, 287M	5052869, 5053501	SP62	723, 728
K6035	5426	514, 515, 715	5050498	SP54	726
K14632		500P		NP41	P450
K14635	SUI	4-4	5040000, 5052378	Ace	EU1
K6026	5323	507P	5042240	NP483	
K14636	5320	505P	5042703	NP49	P464
K6028	5300, 5325P	94, 294, 508P	5052378	NP484	P454
K6027	5303	294C	5050673	NP480	435
K6030	3263, 5312	96, 296	5052374	NP6	452
K6029	5331	294SW, 854		NP43	440

Trutest Auto Radio Suppressors



High quality supressors housed in black molded cases. All popular types are shown and listed.

types are shown and listed.

No. Type Description

K5283 A Standard Spark Plug

K5246 A Special for Ford V8

K5278 B Compact Spark Plug

K5247 B Compact Spark Plug

K5247 B Compact Spark Plug

K5253 C Cable Type for Buick

K5285 D Elbow Cable Type

K5279 E Standard Distributor

K5293 F Distributor Type for Ford

1936 and earlier

K5277 F Distributor Type for Ford

1936 and earlier
K5277 F Distributor Type for Ford
1937-'38-'39-'40.
K5256 * Elbow Type for 1938
Plymouth
10 For 99c

10 For 99c

*Like "A", with elbow connector.

Wire Wound Units (G)

Most efficient type. Do not impair motor efficiency. Low d.c. resist-

Master Distributor Unit



and heat. Eliminates need for other suppressors. D.C. resistance is 10,000 ohms. Hermetically

K5284 5 For

410 S1 85

Mallory "4-4" Vibrator



A competitively priced vibrator similar to the standard Mallory type 294, but with 4 contacts, Nonx1 1/2". For low drain auto or battery sets. Shpg. wt. 2 lbs. K 6089

Your Cost. \$1.23

Dome Light Filter

Eliminates the noise in dome light wiring. Has condenser-choke. K14208—10 For \$2.61 Your Cost



Noise Filter

Eliminates the need for spark plug suppressors by cutting out all igni-tion interference. Installed in antenna lead of set; shielded lead supplied. Complete instruc-tions. Shpg. wt. 2 lbs. K14202— \$7 55



Vibrator Condensers

Oil impregnated. Rated at 1600 volts. Small square metal

No. Mfd. K3240* .007 .02

No. K3241* K3245 K3244 .01 24° Your Cost, Any Type ... In lots of 10 (Assorted) *Have two leads—others, one

Copper Shielding



Used for shielding of interference creating circuits. Closely woven.

BARE O.D. TINNED

K16234 2½6 ½ K16237 36

K16235 36 ¾ K16238 4c

K16236 3½6 ½ K16239 5c

Shielded 7 MM. Wire

Lacquered braided wire with a heavy rubber wall and outer covering of tinned copper shielding. Wt. 7 lbs. 100 ft.

K16211—Per Foot. 50 K16213-100 Foot Spool \$5.00

7 MM. Ignition Wire

Standard 7 mm. black lacquered braided wire. Moisture proof. Shpg. wt. 7 lbs. per 100 ft. K20851—Per Foot K20852—100 Feet 31/2c

Generator Condensers

Standard condensers designed to eliminate



No. K14220 Each 10 For 14c \$1.26 Mfd. .25 K14215 18c 28c 1.62 2.52 5 K14216 1.0

K14198-Similar to above, but Dual; 2-5 mfd., 2 leads. 41c

FORD V8 Condensers



Tailor made for Ford V8's.
K14219—Type A. For V8 models
up to 1986.
K14199—Type (B) for '37 to '41.
10 For \$2.05
Your Cost Each,
Either Type.

MOTOROLA 65 and 70

Condenser

High voltage condenser. Con-sists of two .0008 mfd. 1000

Mfd.

01

.02

volt units in a single housing. Four leads. Made by Sprague. K14207—Your Cost Each 32°

Ammeter Condenser



Eliminates noise in ammeter, horn, etc. 10 For \$2.07 K14218-

Wheel Static Eliminator

Eliminates front wheel noise. Easy to install in each hub cap. All





"A" Line R.F. Filter



For eliminating interference coming through the "A" sup-ply. This is tested by disconnecting an-tenna and noting whether interference persists. Fully

shielded \$3.00 K14205-Your Cost 81°

AUTO RADIO AERIALS

Side Cowl and **Underhood Aerials**



Highly efficient 3section auto ae-rials built sturdily and with heavy plating overall to insure long life under all weather conditions. All sections fit accu-rately. All are sup-plied complete with low-loss shielded cable. Shpg. wt., each 2

SIDE COWL K21940—Extends from 20 to 60". Your\$1.88

K21941—Extends from 311/4" to \$2.50

Your Cost Each UNDERHOOD TYPE

20 to 60". 1 bracket. \$2.37 K21946—Your Cost. \$2.37 31½-96". 2 brackets. \$3.00 K21947—Each. 2 brackets. \$3.00

Hinge Antennas

Heavily plated telescopic type aerials that attach to the hinge pin on all cars. Supplied with heavy duty flexible lead-in cable. Can flexible lead-in cable. Can be attached in a few minutes. Available in two and three section types. Offered at unusually low prices. Shpg. wt. each 3 lbs

2 SECTIONS: Extends from 25" to 40".

K21949— \$1.82

3 SECTIONS: Extends from 20" to 62". K21950— \$2.31

3 Sect. Aerials

An outstanding value for dealers value for dealers and servicemen! These popular type auto aerials are heavily plated (upper section of flexible plated steel). Extend from 19 to 50". All are noiseproofed. Side cowl type (at left) has two molded bakelite insulators hince pin insulators; hinge pin type (at right) has black ceramic insulator. Both types are furnished with 30" lacquered lead-30" lacquered lead-in. Shpg. wt. 3 lbs. K22020—Side Cowl Your \$1.35

K22021—Hinge Pin \$1.35

or 🕍 shafts.

For 1/4 K9834 Black K9834 Black K9839 K9835 Brown K9840 K9836 Wheat K9841 K9837 Pearl Grey K9842

170 Type, Each.



Rubber Tubing For replacement on Hinge, Cowl, Undercar antenna lead ins. etc. Strong, pli able and waterproof.

Protects lead-in from fraying, and insures good reception. K16050—Per Foot 2°

Fender Antenna

3-Section type. Heavily plated members are weatherproof. Designed for use on Chevrolet, Buick, Oldsmobile, Cadillac, Pontiac and other cars with "torpedo" shaped bodies. Furnished with attached shielded lead-in cable. Shpg.

wt. each 3 lbs. K20435—24" to 66". Each. K20436—28" to 84". Each. K20437—32" to 99". Each. \$2.90 \$3.60

SERVICEMAN'S SPECIAL

Side Cowl Auto Aerial

One of the finest telescopic auto aerials made. Built of Admiralty brass, triple chrome plated with top section of stainless steel. Furnished with two molded bakelite insulators with rubber pads, and 12" shielded lead that terminates in a shielded junction box. Lead is fitted with standard connector for auto radios. Closed 28%; extends to 48" high. Has anti-static ball end. Provides efficient, noise-free reception. Beautifully finished and of excellent workmanship. Standard side-cowl design, with two sections. Shpg. wt. 2 lbs.

K20423—Your Cost,
Special

Under Hood Auto Aerial

Three section telescopic aerial for use on many types of cars where side hood bracket is required. All sections heavily plated; upper section of flexible stainless steel, carefully fitted to assure smooth, noiseless operation at all times.

Extends from 24" to 66". Supplied with shielded leadin cable having standard connector. Easy to install. Wt. 2 lbs. K20438—Each 2.50

Special Side Cowl **Auto Aerials**

Especially designed for 1940-41 Chrysler, DeSoto, Plymouth, Dodge and other cars having "torpedo" shaped body. All 3-Section; heavily plated members. With shielded lead-in. Shpg. wt. each 2 lbs.

Stock No.	Extends From	Your
K20431	24-66"	\$2.50
K20432	28-84"	2.88
K20433	32-99"	3,35

Lo-Loss Shielded Cables



All heavquered, covered by shield-

d loom and processed braiding. K21805—2 ft. male connector and ant.-gnd. lead. Each 32c K21806—2 ft. male and female K21806—2 ft. male and female connector. Each. 32c K22027—4 ft. male connector and ant-gnd. lead. Each. 45c K22028—Same, but 6 ft. Each. 56c K22028—Same, but 8 ft. Each. 70c K21808—3 ft. male and swivel screw. For side cowlearials. Each 50c K21803—Motorola lead with Standard Motorola coupler and swivel screw. 18" long. For side cowl aerials. Each. 49c K21801—For Standard Motorola.

Fuse Retainer



Molded Auto Radio Knobs | Two piece connector of heavy metal, For ¼" or ¾" shafts. | with fibre inside insulation. 2½" long. Powerful spring contact. 8c

> "Jumbo" Fuse Retainer 2½" long by ½" diameter. Replacement for Philco and Motorola. With bushings, springs, etc. K8349—Your Cost Each. 14c

Antenna Connector



K16714-

Two-piece metal container, fibre inside insulation. Plug Connectors

K21810—(A). For Motorola lead-in. 7c Your Cost....
K21800—(B). For
Motorola, with adapter for standard lead-

10° Your Cost. K21809 (C). For '39 Buick lead-in. Your Cost. 9

Your Cost. Y. X1799—(D). For '39 Buick, adapter for stand, lead-in. 1 Sc Your Cost. Y21797—(F) Bayonet female fitting one end, receptacle for tip plug on other end. 1 Sc Your Cost. 1 Sc

Your Cost. Lo K21798—(E)Bayonet male fitting one end, receptacle for tip plug other end. Your Cost 160

LITTLEFUSE Auto Fuses Type 3AG. Ratings are at

1/4". K12326— 5 amps.

Your Cost K12321—10 amps. K12322—15 amps. K12323—20 amps.

Auto Body Plug

Plug up aerial holes in auto tops, cowls, etc. Large flat-head machine screw with lock washer, rubber washer, rubber spacer, and nut. Plated 1/2" long, 11/2" head.

K8332 Each.
Box of 12. Your Cost



Swivel Antenna

Designed for use with all streamlined cars. A 16 degree adjustment permits compensation for slope of car body. Can be used as side cowl or fender mounting type. Angle of adjustment controlled by lock nut. Black plastic insulator base. Mounts with two bolts. With low-loss shielded lead. Three shielded lead. Three sections; 26" to 68" Wt. 3 lbs.

K20444- \$2.90

3-Way Antenna



K20425 \$2.45

Double Ruberall Aerial



Trombone type deluxe car aerial. Steel rods sealed in rubber. With mushroom type rubber insulators and mounting brackets. No drilling. Instructions furnished. Shpg. wt. 5 lba \$2.25 K22035—Each....

8-Ft. Bumperod

3-Piece

Telescopic unit, three sections. Length feet (ideal for 5-meter work).Steel rust proof heavy plat-ing. Upper section stainless any front or



rear bumper. With shielded lead. Shpg. wt. 4 lbs. \$2.55

Standard Signal Gainer

Factory set impedance matching unit. Connects between antenna and set. With standard and pin plugs

K8360- 59°

Booster Coil

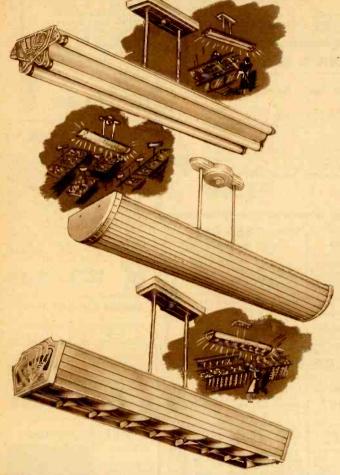
Designed to increase sig-nal strength. Connects in series with aerial.

K8358—For standard sets
K8359—For Motorola sets
S1.62

Either Type, Each......39

COMMERCIAL FIXTURES

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STANDARD COMMERCIAL FIXTURE

Attractively designed stem fixtures widely used in stores, affices and similar locations. Finished in baked-on white enamel and baked-on sotin silver. Reflecting surface has the exclusive "Glarenamel" finish, All models furnished with two 30" long stems. Supplied LESS LAMPS.

Stock No.	No. Lamps	Size Lamps	Length Lamps	Shpg. Wt.	SINGLE	Lots of
K25560	2	40-watt	48'	29 lbs.	\$14.69	\$13.59
K25659	3	40-watt	48''	31 lbs.	21.02	19.44
K25561	-4	40-watt	48"	45 lbs.	22.49	20.84
K25669	4	20-woth	24"	30 lbs.	13.82	12.78

GLASS-CONCEALED-LAMP FIXTURE

Lamps are completely concealed by a special type of gloss shade that diffuses the light perfectly yet allows the maximum of light to poss. Eliminates glare and is exceptionally easy on the eyes. Simple and attractive in design it is an ideal light for use in the better type specialty and department stores, offices etc. Body finish is hard baked white enomel. Ends, rods and canapy fittings, which show, are pewter. Due to the absence of intricate designs this is an exceptionally easy fixture to keep clean. All fixtures are sold LESS LAMPS.

Stock	No.	Size	Length	Shpg.	SINGLE	Lots of
No.	Lamps	Lamps	Lamps	Wt.	EACH	3. EACH
K25670	2	20-watt	24"	20 lbs.	\$17.99	\$16.65
K25671	4	20-watt	24"	30 lbs.	23.23	21.49
K25672	2	40-watt	48''	30 lbs.	23.52	21.75
K25673	4	40-watt	48''	38 lbs.	34.25	31.68

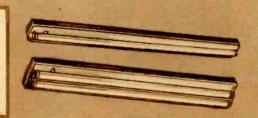
ULTRA-MODERN COMMERCIAL FIXTURE

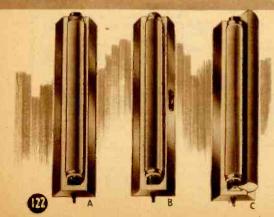
A fixture designed specifically for the finest stares and offices. Unusually attractive in appearance and surprisingly high in lighting efficiency. A unique and beautifully designed series of louvers at the bottom of the fixture shields the lamps from the eyes yet allows the greatest possible amount of light to come through. Side panels are glass frosted snowy white in a simple yet attractive design. Metal reflecting surface is finished in hard baked easy-to-clean white ename. Trim, consisting of end pieces, stems, canopy, etc., is sotin aluminum finish. This fixture is available in two size so that perfect harmony in design is possible throughout the store or office. All are sold LESS LAMPS. K25674-For four 40-watt (48") lomps. Dimensions (less stems and canopy) 49" long, 14" wide, 7" deep. 36" overall height. Shpg. wt. 32 lbs.
YOUR COST EACH, LESS LAMPS.
In Lots of 3, EACH.
\$27.85 K25675-For four 20-watt (24") lamps. Dimensions (less stems and canopy) 24" long, 14" wide, 7' deep. 36" overall height. Shog. wt. 24 lbs.
YOUR COST EACH, LESS LAMPS. \$23.23
In Lots of 3, EACH.

FLUORESCENT CHANNEL FIXTURES

For continuous strip lighting in show windows, over work benches, etc. Knock-outs at ends, bottom and sides provide for any possible combination. Finished

in baked	hard whit	e glaze end	amel. ALL S	OLD LESS L	AMPS.	
Stock	No.	Size	Length	Shpq.	SINGLE	Lots of
No.	Lamps	Lamps	Lomps	Wt.	EACH -	3. EACH
K25563	1	20-watt	24"	5 lbs.	\$2.94	\$2.72
K25564	1	40-watt	48''	9 lbs.	5.37	4.97
K25566	2	20-watt	24"	10 lbs.	5.88	5.44
K25567	2	40-watt	48''	22 lbs.	10.83	10.02
K25578	4	40-watt	48''	30 lbs.	19.40	17 95





FLUORESCENT SIDEWALL BRACKETS

These attractive fixtures have many applications for decorative and utilitarian purposes. Alongside mirrors and medicine cobinets they provide a flood of soft glareless light for putting on make-up or shaving. With one of the many beoutifully colored fluorescent lamps (available in red, pink, gold, blue, etc.) they can be used for many decorative purposes. The hooded type is often used horizontally on the wall alongside the tables in a restaurant to provide excellent gloreless illumination of the table top. Three types are available os illustrated. Type "A" is plain. Type "B" has an outlet at one side for connecting on electric shaver, etc. Type "C" is like type A but has an adjustable hood which can be turned to either side of the lamp. 14-watt sizes are 15" long and 3½" wide. They have a switch at one end and are finished in highly polished chrome. 20-wott sizes are 25" long and 3½" wide, have switch at one end and are finished in hord baked white glaze enamel. All are for use on 110 volts 60 cycles AC only. They are eosily installed and meet Underwriter's specifications (Approved). All components-bollasts, storters, sockets and switch are of the highest quality. All are sold LESS LAMP.

		For 14-watt 13	Lamp		ror	20-watt 18	Lamp
Stock No.	Type	Shpg. Wt.	EACH	Stock No.	Type	Shpg. Wt.	EACH
K25676	À	3 lbs.	\$3.23	K25679	A	4 lbs.	\$3.82
K25677	В	3 lbs.	3.45	K25680	В	4 lbs.	4.05
K25678	C	4 lbs.	4.25	K25681	C	5 lbs.	5.20

INDUSTRIAL **FIXTURES**

DE LUXE Industrial Fixture

(A) A deluxe fixture to meet the demand for a more powerful intense light source for industrial applications. No wasted light spill over a large area. All illuminalight spill over a large area. All illumination concentrated right where you want it. White baked enamel interior easily cleaned. Baked grey outside finish. Have knockouts at each end for continuous wiring so that they may be ganged up in two or more units to provide long continuous runs. Dimensions: 49" long, 13" wide, 8" deep. For 40-watt 48" lamps. K25664—Two-lite fixture. Shpg, wt. 35 lbs. LESS LAMPS.
YOUR COST.

11 Lots of 3, EACH.

12 S13.39
K25665 — Three-lite fixture. Shpg. wt. 40
LSS. LESS LAMPS.
YOUR COST.

13 LOT S18.69

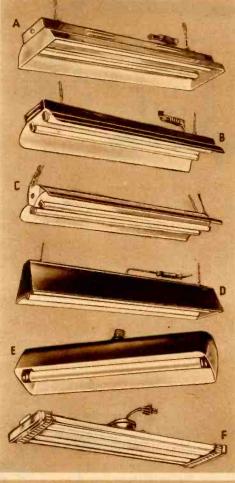
WIDE ANGLE Industrial Unit

(C) Scientifically designed reflector covers (C) Scientifically designed reflector covers a wide area with evenly distributed light. For use where large areas must be covered with a minimum number of fixtures. Reflector interior finished in hard baked white ename! exterior in baked grey. Complete with chain suspension. Dimensions: 50" long, 14" wide, 5" deep. For use with 40-wath, 48" fluorescent lamps. Shpg. wt. 12 lbs.

K25567-Two-Lite "Wide Angle" Fixture.

\$12.27 YOUR COST (Less Lamps)... In Lots of 3, EACH...

Special Screw-in Adapter



STANDARD Industrial Fixture

(B) Scientifically designed to provide a high intensity of light over work benches, machines, etc. Underwriter's approved components. Corrected ballasts. Complete with 6-ft. approved asbestos-covered wire leads, 4 "S" hooks and 6-feet of chain. For 110 V. 60 cycles AC only. LESS LAMPS. K25579-For two 20-watt (24") lamps. 26"x12"x71/4". Shpg. wt. 12 lbs. YOUR

\$7.35

YOUR
COST EACH. \$7.35
In Lots of 3, EACH. \$6.79
K25580-For one 40-wait (48") lamp.
50"x8l/y.x6". Shpg. wt. 24 lbs.
YOUR
COST EACH. \$7.50
In Lots of 3, EACH. \$6.94
K25546-For two 40-wait (48") lamps.
13l/y.x4y". Shpg. wt. 35 lbs.
YOUR
COST EACH. \$12.27

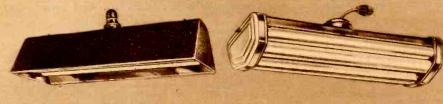
| 13/2 'x49''. Shpg. wt. 35 lbs.
YOUR
COST EACH
In Lots of 3, EACH. \$12.27
In Lots of 3, EACH. \$11.35
K25666-For three 40-watt (48'' lamps.
13/2 'x49''. Shpg. wt. 40 lbs.
YOUR
COST EACH. \$17.99
In Lots of 3, EACH. \$16.64
K25661-For two 100-watt (60'') lamps.
17/2 'x62''. Shpg. wt. 55 lbs.
YOUR
COST EACH. \$26.75
In Lots of 3, EACH. \$24.75

ECONOMY Industrial Fixture

Highly efficient yet low in price. Employs two 20-watt 24" lamps. Approved ballost. White baked enamel reflector. Outside finished brown crackle. Complete with two 8-ft. chains and cord and plug. 24"x51/2"x4". Shpg. wt. 7 lbs. LESS LAMPS. \$6.05
In Lots of 6, EACH. \$5.57

New STREEMLINE Adaptorlite

New design floods room with light. No dark spots on ceiling. Easily at-tached in place of standard 4" globe. May be mounted directly on outlet box. Hay be filled affect of the baked enamel. Uses two 20-wait (24") lamps. Shpg. wt. 9 lbs. LESS LAMPS. \$5.65 K25668-EACH. S5.23 K13816-6" Adaptor for above... 25c



DE LUXE SWIVEL ADAPTER

Has a patented swivel socket adapter which is free turning and can be screwed into any standard light socket instantly. Rotates through a complete circle, Outside finished in baked-on brown wrinkle; inside has a special aluminized surface for maximum light reflection. This adapter offers a simple inexpensive means for installing fluorescent lighting in workshops, offices, etc.

K25541—For one 15-watt (18") lamp. Shpg. wt.

\$3.22 YOUR COST EACH, LESS LAMP... \$5.17 \$5.17 K25552-For one 20-watt (24") lamp. YOUR COST EACH, LESS LAMP. K25553-For two 20-watt (24") lamps. Shpg. wt. YOUR COST EACH, LESS LAMPS. \$6.22

FLUORESCENT ADAPTORLITE

With this adaptor fluorescent lighting can be installed instantly in any incandescent type of fixture employing a globe with either a 4" or 6" diameter holder. No electrical knowledge is required—just insert the plug of the adaptor into the lamp socket—fasten the adaptor in the shade holder and enjoy modern better lighting instantly. This is the ideal method whereby the average householder can install fluorescent lighting in the kitchen, bathroom, hallway, etc. Both models listed below with 4" odaptors. LESS LAMPS.

K25581-For two 20-watt (24") lamps. Shpg. \$5.07 YOUR COST EACH, LESS LAMPS... \$4.69 K25584-For three 20-watt (24") lamps, Shpg, wt.

\$8.05



ADJUSTABLE BENCH LAMP

ADJUSTABLE BENCH LAMP
Quickly installed on tobles, desks, work-benches, etc. Has an 18" reflector for a single 15-watt 18" lamp. The upright arm is adjustable in height from 14" to 26". Horizontal arm is adjustable up to 16". Morocco-brown finish with chrome trim. White enameled reflector. For 110 V. 60 cycles AC. Shpg. wt. 10 lbs.
K25492-With clamp-on base.
K25492-With screw-on base.
EITHER MODEL,
LESS LAMP, EACH....\$5.97
Two styler-with clamp at base to

Two styles with clamp at base to clamp to table eage-or with flange having screw holes to fasten permanently to bench.



DELUXE Desk Lamp

Lighting luxury reaches a new peak with this handsome and distinctive fluorescent desk lamp. Because of fluorescent desk lamp. Because of its advanced design it floods the entire surface of your desk with powerful, yet completely glareless, coal light. It employs the exceptional reflector-in-o-reflector principle. A highly polished Alzac reflector together with a soft white diffusing reflector assures maximum efficiency with minimum alare diffusing reflector assures maximum efficiency with minimum glare. Quality and croftsmanship are indicated by its simple handsome lines and attractive brown finish. Takes 15-watt 18-inch lamp. Underwiters approved electrical parts. For 110 V. 60 cycles AC. Switch in base. 18" shade. Shpg. wt. 12 lbs. Sold LESS LAMP. K25543-YOUR COST \$7.12

STANDARD Desk Lamp

For Lamps see listing below

- ATTURBUT

FLEXARM Desk Lamp

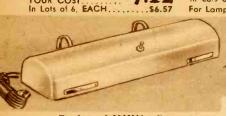
FLEXARM Desk Lamp
A really unusual desk lamp.
Flexible arm permits adjusting shade to any position. Height adjustable from 9" to 14". Because of its complete flexibility it is suitable for many exacting applications in office, laboratory or factory. Duo and Tri switch controls give practically instantaneous lighting and trouble-tree operation. Boked morocco brown finish with gold trim. Shpg. wt.: 1-lite, 8 lbs.; 2-lite. 10 lbs. LESS LAMPS.
K25662 — One Light (requires one 15-watt 18" lamp)
YOUR
S5.10

\$5.10 . . \$4.71 In Lots of 3, EACH. K25663 - Two Light (for 2 15-watt 18" lamp). YOUR COST . \$8.22

In Lots of 3, EACH ...

JUNIOR Desk Lamp

Remarkable value! Now, price need no longer be a factor in preventing you from changing over to this modern, better type of lighting. De cide today to conserve your child's eyesight by getting him one of these lamps. With better light to see by you'll find him more willing to study ond getting tired less easily. Of neat modern design it is finished in attractive brown morocco. Innea surface of the parabolic reflector is in attractive brown morocco. Inner surface of the parabolic reflector is finished in washable white enamel Base 9/2x5/4" with convenient pen trough. Stands 15" high with 19' long shade. Uses one 15-watt 18-inch fluorescent lamp. Shpg. wt 10 lbs.



Bed and Utility Lamp

A real fluorescent bed lamp. Soft, cool light that is easy-on-the-eyes. Beautifully finished in lustrous ivory and chrome. Easily hooked onto the headrest of your bed. Its attractive lines make it suitable for many other applications, too, such as over pictures, bulletin boards, music stands, cashier cages, etc. Has a high efficiency white enameled reflector that gets every bit of light out of the IS-walt 18-inch fluorescent lamp. Shpg. wt. 4 lbs.

K25582-Sold LESS LAMP
YOUR COST
In Lots of 3

Lots of EACH

For Lamp see listing bottom of page

Noise Filters For All Types of Fluorescent Fixtures

radio receivers connected to the same power lines will pick up electrical noise from a fluorescent fixture. This is easily eliminated by installing one of these filters into the offending fixture. The leads from the filter are connected to the power line and the case is grounded. DeLuxe Filter-Cures the most obstinate cases. 41/4x11/4x11/5. Shape wit 1 lb K12520-YOUR COST.

Cornell-Dubilier Filter (right)

Standard Filter - In cylindrical can 21/2x7/6" Shpg. wt. 1/2 lb K12501-YOUR COST

PLASTIC Bed Lamp

Not a fluorescent fixture (employs an ordinary incandescent lamp bulb) but it is based on good lighting practice in that the light is thoroughly diffused and glare-free. The smartly styled case is of translucent ivory backlire trimmed with gleaming chrome. A special light diffusing window throws a softly diffused light on your book and makes reading in bed a distinct pleasure. Rubber covered adjustable clamps attach the lamp firmly to the bed with out marring the finish. 6-foot rubber-covered cord. LESS BULB.

\$1.30 K25521-YOUR COST In Lots of 6



GE Mazda Fluorescent Lamps

"White" lamps provide a quality of light approximating that of the ordinary incondescent lamp. "Daylight" lamps approximate that of ordinary daylight. All supply several times the usable light output of ordinary incondescent lamps. Rated life better than 2500 hrs.

White	Daylight	GE	Dimen				Lots	EA.	Lots	EA.
Stock No.	Stock No.	No.	LxD	Watts		EA.	of		of	
K25533	K25534	T41/2	9x5/8	6	5	.80	7	5 .64	24	\$.60
K25527	K25528	T5	12x5/6	8		.90	6	.72	2 24	.67
K25496	K25497	18	18ar i	15		.65	8	.53	2 24	.48
K25525	K25526	T12	18x11/2	15		.80	7	.6	1 24	.60
K25529	K25530	T12	15x11/2	14		.80	7	.6-	4 24	.60
K25535	K25536	T12	24x11/2	20		.80	7	.6	24	.60
K25537	K25538	T8	36×1	30		.80	7	.6	4 24	.60
K25539	K25540	T12	48x11/2"	40		1.15	5	.9:	2 24	.86
K25531	K25532	T17*	60x21/p	100		2.60	2	2.0	B 12	1.95
*100	Laurence ben			- 6		. 41		hanne.		4 2 -1.

*100-watt lamps have mogul 2-pin base; all others have standard 2-pin base. Approx. shipping weights: 6 & 8-watt-11/2 lbs.: 14, 15, 20-watts-2 lbs.; 30 & 40 watt-31/2 lbs.; 100-watt-8 lbs. NOTE: When purchasing lamps with any fluorescent fixture listed use 1st "Lots of" price instead of single price.

FLUORESCENT Components



FLUORESCENT BALLASTS

High power factor (H.P.F.) units have a factor of from 90 to 100%. Normal power factor (N.P.F.) units from 55 to 63%. All units are Underwriters Approved. All ballasts are for 105-125 valt 60 cycles A.C. operation.

SINGLE LAMP H	.P.F.	SINGLE LAMP	N.P.F.
Lamp Stock Wt.	20 or	Stock Wt.	20 or
Watts No. Lbs. EA.	Over	No. Lbs. EA.	Over
15 K25612 3 \$2.35	\$2.02	K25616 2 \$.56	\$.48
20 K25613 3 2.35	2.02	K25617 2 .56	.48
30 K25614 5 3.65		K25618 3- 2.06	1.76
40 K25615 5 3.65	3.13	K25619 3 2.06	1.76

TWO LAMP H.P.F. Have built-in compensator for quick starting of second

Lamp	Stock No.	Shpq. Wt.	YOUR COST	20 or Over
15 Watts	K25608	4 lbs.	\$3.34	\$2.87
20 Watts	K25609	4 lbs.	3.34	2.87
30 Watts	K25610	7 lbs.	5.06	4.34
40 Watts	K25611	7 lbs.	4.80	4.12

SPECIAL TWO LAMP H.P.F

Reduced Stroboscopic effect. Requires no compensator.
Lamp Stock No. Shpg. Wt. YOUR COST 20 or Over 41/2 lbs. \$4.29 \$3.68



100 Watt Components

The new 100-watt lamp provides the most intense illumination of any of the new fluorescent lamps.

K25622-Dual 100-wait power factor corrected ballast. Size: 23/k33/kx191/4". Shpg. wt. 141/2 lbs. YOUR COST... \$8.40

YOUR COST...

K25623—Single 100-wait ballast (normal power factor).
2½x33/xx141/4". Shpg. wt. 11
lbs.
YOUR COST...

\$5.59

K13813-FS-6 Starter...

85c

6-Watt Components

This new small lamp is ideal for shaving lamps, small signs, table lamps, etc. The lamp is only 9" long and consumes only 6 watts. Use the following units to make up your own fixture.

K13808-T-5 Sockets. 54c PER PAIR

K25A24-A-Watt Ballast with

K13802-FS-5 Starter 32°

NOTE: If you have any problems concerning any phase of fluorescent lighting include them with your order and our experts will cheerfully assist you in solving themno obligation, of course.



Fluorescent Sockets

For T-8 and T-12 lamps, Combination sockets include socket for starter. All are molded of durable heatproof plastic having a high insulating value. For 6 and 100-watt sockets see listing

K13803-Comb. black . , 28c
K13804-Comb. white 30c
K13805-Plain black17c
K13806-Plain white 19c
K13807-Starter only14c

Plastic Socket Masks

Hide those unsightly sockets on open type fixtures. These smartly styled plastic masks smartly styled plastic masks slip on in an instant and cover both the socket and the metal end of the tube. Made of lustrous white plas-tic they glow softly when the fixture is in operation. They are durable, easy to attach and very reasonable in

price.	-1.	TEC
K1381	7-EACH	 15°
10 for		\$1.20



CLAROSTAT Fluorescent AC to DC **Conversion Ballasts**

Fluorescent desk lamps designed for operation on AC may be used on DC of equivalent voltage by using one of these ballosts. Ballost has a receptacle at one end and a standard two-prong plug at the other. Ballast is first plugged into the power line outlet and the lamp plug is then inserted into the ballast. Employs a glass-insulated resistor. Size: 3\%''x 11/2''. Shpg. wt. 2 lbs.

K13818-195 ohms for use with 15-watt lamps on 120 V. DC.

K13819-144 ohms for 20-watt lamps on 120 V. DC. EITHER TYPE, EACH...... 98c



Type AF No. 16 Wire

Asbestos covered wire recommended by the Underwriters Laboratories for wiring fluorescent fixtures. Stranded. Solders easily. No. 16 gauge. Black used for live leg; white for ground lead. Approximate shpg. weight 3

00-feet for \$2.70

Burgess "Blackout" Bulbs

For flashlights. Specially treated to produce a diffused deep red lite. Type #14 (2.5V)—miniature screw flagge. K12210—#14 Lots of 70 14c Lots of 20 Each...11c 18c Lots of 20 Each...15c EACH..... K12211-#PR2



Lantern Ideal Blackout

10c

New "Blackout" Lamp

New "Blackout" Lamp

No need to be in absolute dorkness during a "blackout"! You can have sufficient light, to prevent falling over furniture or down the stairs, if its the right kind of light. Standard 10-watt bulb but made of special fused silanic amber and black glass. Has 1" round opening at bottam.

K12610-(Lots of 120. Eo. 17c).EACH.

K12611-Display Unit of 30 Lamps

K12612-Adapter to plug lamp into base outlet...9c





Chain Kit

Pair of 36" brush-brass finished brass finished steel chains and three 1/8" loops. Fits all standard fixtures. Shpg. wt. 2 lbs. K13814-KIT.....45°

Switch Kit

Includes pull-chain switch and washers to fit standard knock-outs. Fits most standard fluorescent lighting fix-

K13815- 30°

Fluorescent Starter Switches

K13802-FS-5. 6" 4-W .; 9" 6-W. and 12" 8-W. lomps.
YOUR COST
K13810-F5-2, 18" 15-W.; 24" 20-W.
K13811-F5-4, 36" 30-W.; 48" 40-W.
EITHER ABOVE K13820-F5-7. For 36" 65-W. lamps. K13813-F5-6. For 60" 100-W. lamps. EITHER ABOVE,

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D SERVICE BUSINESS

J. E. SMITH, President National Radio Institute Established 27 Years

> YOU BUILD THESE AND

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CIRCUITS

With Standard Radio Parts I Send You

With My Course

I send you SIX BIG KITS of Standard Radio Parts as part of my Course.

With them you conduct SIXTY sets of experi-ments, build, test and ments, build, test and align Radio circuits, and get the experience needed to make extra money while

These Men Have SPARE TIME BUSINESSES



Trepaired Radios when I was on my tenth tesson. I really don't see how you can give so much for such a small amount of money. I made \$600 in a year and a haif, and i have made an average of \$10 a week—just spare time.

JOHN JERRY.

JOHN JERRY 1729 Penn St., Denver, Colo.

"I do Radio Service work in my spare time only, operating from my home, and I net about \$40 a month. I was able to start servicing Radios 3 months after enrolling with N.R.I."

R. No. 1, Box 287, Hopkins, Minn.



"I am doing spare time Radio Work, and
I am aversging around \$500 a year.
Those extra dollars mean so much—the
difference between just barely getting by
and living comfortably;
OHN WASHKO,
97 New Cranberry, Hazleton, Penna,

These Men Have FULL TIME BUSINESSES



"I went into business for myself 6 months after enrolling. In my Raddo repair shop I do about \$300 worth of business a month. I can't tell you how valuable your Course bas been to me."

Me. J. BATEN Hox 1168, Gladewater, Texas



"I started Radio in the Marines in 1917. Later I started studying Radio for a living. I recommend N.R.I. Training to any non-matter how long he has worked in Radio I now have my own business."

16 Hobart Ave., Absecon. N. J.

Superheterodyne Radio Receiver

learning.

With preselector, os-cillator-mixer-first detector, intermedi-ate frequency stage, diode detector a.v.c. stage and audio stage, which you build from parts I send you, learning the reasons for Super operation and conducting service ex-periments.



Measuring Instrument

A.M. Signal Generator

The circuit is exactly like the signal generator the serviceman uses. It provides an amplitude modulated Radio signal for experimental purposes.



FREE LESSON

Get my Sample Lesson, "Radio Receiver Troubles Their Cause and Remedy," now. See how completely this ONE TEXT covers a long list of troubles in all types of receivers. A special section is devoted to receiver check-up, alignment, balancing, neutralizing, testing. See for yourself how complete, how practical my Lesson Texts are. MAIL THE COUPON.

The men above are just a few of many I have trained at home in spare time to be Radio Techniciaus. Today they are operating their own successful spare time or full time Radio businesses, Hundreds more of my men hold good jobs in practically every branch of Radio, as Radio Technicians or Operators. Aren't these men PROOF that my 50-50 method of training gives you, in your spare time at home, BOTH a thorough knowledge of Radio principles and the practical experience you need to help you make good money in the growing Radio industry.

make good money in the growing Radio industry.

Train This Practical N.R.I. Way

"Learn It, Do It, Prove It"

First, you LEARN the fundamental facts about
Radio parts and circuits by reading my Lesson
Texts, prepared especially for home study training. Next, you IDO what you have learned, by
experimenting with actual Radio parts and cibcuits. Finally you PROVE what you learn by
making measurements with your test equipment
before and after you change your Radio circuits
or adjust your Radio parts.

or adjust your Radio parts

You Get SIX kits of Radio Parts
These kits contain more than 100 standard Radio
parts, including tubes, condensers, resistors,
punched chassis bases, a meter, a soldering iron,
solder, hook-up wire, hardware and a host of
other Radio parts. With all these, you perform
60 different sets of experiments—you make hun
dreis of tests and measurements and secure a
wealth of practical experience. You build the
N.B. I. Tester (see column at left), and learn how
to use it. You build dozens of different Radio
receiver and transmitter circuits, one after another, and secure practical experience with each,
You learn how to recognize, locate and repair
troubles in Radio circuits

Reclimers Learn To Farn 55 \$10.

Beginners Learn To Earn 55, \$10 A Week Extra In Spare Time I show you, too, how to get practical servicing experience at home. Many use their spare time to begin doing real Radio work in their neighborhood a few months after enrolling. Furthermore.

right from the start I begin sending you Practical Job Sheets—over three dozen in all—which give plans and directions for doing increasingly more profitable Radio servicing jobs. This is why so many of my students start building their own Radio service businesses while learning, using for capital the \$5 to \$10 a week extra they make in spare time

spare time
Why It's Smart to Train for Radio NOW
Radio is a vital industry both in peacetime and
wartime. But It's an industry which requires
well-trained men. That's why N.R.I.-trained
Radio Technicians and Operators earn good pay
in practically every branch of Radio today; in
Broadcasting, Aviation, Police, Government,
Commercial, Marine Radio Stations; repairing,
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operating, servicing Loud-Speaker Systems

EXTRA PAY IN ARMY, NAVY TOO



Men likely to go into mill tary service—soldiers, sail ors, marines—should mail ors, marines—should mail the Coupon Now! Learning Radio helps men to get ex more interesting duty at pay up to several times a private's base pay! IT'S SMART TO TRAIN FOR RADIO NOW!

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Learn how I can give you practical training at
home in your spare time; about my Course; my 6
lig Kits of Radio Parts. Read eletters from more
than 100 men I trained, so you can see what they
are doing and earning
MAIL THE COUPON
in an envelope, or paste
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J. E. SMITH, President Dept. 2DF3 National Radio Institute Washington, D. C.



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J. E. Smith, President Dept. 2DF3 National Radio Institute, Washington, D. C.

Mail me FREE without obligation, your Sample Lesson and 64-page book "Rich Rewards in Radio." (No salesman will call. Write plainly.)

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Today, every American appreciates the problems confronting our government. All essential materials—all procedures necessary to finance our National Defense Program must be given the "right of way"! In compiling this catalog, we have made every possible preparation to fill your orders as you send them to us, with reasonable promptness. However, our prices are so low that should there be any increase in our

osts due to federal, state or local regulations or taxes, we must reserve costs due to federal, state of local regulations of taxes, we must reserve the right to add these increases to the prices shown in this catalog. In addition, where essential materials are diverted to National Defense requirements, we must reserve the right to limit quantities or to make substitutions of merchandise of like quality. At all times though, WE GUARANTEE SATISFACTION OR YOUR MONEY WILL RE REFUNDED

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We buy for cash and sell for cash; this explains our low price policy. We do not carry credit accounts, and we pass on to our customers all savings affected by the elimination of costly bookkeeping. We will ship C.O.D. if desired, providing a deposit of at least 20% accompanies your order. C.O.D. parcels may be shipped ONLY to places in the 48 states of the U.S. and to U.S. territories. On small orders, remittance in full saves you extra costs.

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On mail orders of \$25.00 or more, we allow you to deduct 2% from the total as transportation allowance, with the following exceptions: All Lafayette and National Co. products; all items sold under Fair Trade regulations; all items marked "Shipped Postpaid".

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Parcels up to 8 ounces may be shipped anywhere in the United States for 64. Parcel post shipments to any zone must not exceed 70 pounds. The limit of size on all parcel post packages is twice 10 in. width, plus twice 5 in, height, equals 100 inches in length and girth combined, at

	ZONES											
Weight	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth				
In	Up to 50 Mi.	50 to 150 Mi.	150 to 300 Mi.	300 to 600 Mi.	600 to	1000 to	1400 to	Over				
Pounds					1000 MI.	1400 Mi.	1800 Mi.	1800 Mi.				
1	\$.08	\$.08	\$.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15				
2	. 10	. 10	. 11	. 14	. 17	. 19	. 23	.26				
3	. 11	.11	. 13	.17	22	. 26	. 32	. 37				
4	. 12	.12	15	.21	.27	. 33	.41	. 48				
5	. 13	. 13	. 17	.24	33	. 40	. 50	. 59				
6	. 14	.14	. 19	. 28	. 38	. 47	. 59	.70				
7	. 15	.15	. 21	31	. 43	54	. 68	.81				
8	. 16	.16	. 23	. 35	.49	. 61	.77	.92				
9	.17	.17	. 25	. 38	.54	. 68	. 86	1.03				
10	.18	. 18	. 27	. 42	. 59	. 75	.95	1.14				
11	. 19	. 19	. 29	. 45	. 64	.82	1.04	1.25				
12	.21	.21	.31	49	70	.89	1.13	1.36				
13	. 22	. 22	. 33	. 52	75	96	1.22	1.47				
14	. 23	.23	. 35	. 56	. 80	1.03	1.31	1.58				
15	.24	.24	.37	. 59	. 86	1.10	1.40	1.69				
16	.25	25	. 39	. 63	.91	1.17	1.49	1.80				
17	. 26	.26	. 41	. 66	.96	1.24	1.58	1.91				
18	.27	.27	. 43	70	1.02	1.31	1.67	2,02				
19	.28	.28	45	.73	1.07	1.38	1.76	2.13				
20	.29	.29	47	.77	1.12	1.45	1.85	2.24				
For Each Added lb. Add	1¢	1¢	26	31/4¢	5∉	7¢	9¢	11 é				

EXPRESS CHARGES

Express charges are also determined by the signee from shipper. The following chart en-weight of the shipment and distance of the con- lables you to estimate charges.

		one one	aretie ariid	arbi-ireo o		Tables Joe to continue changes.						
		um Dis- n miles	50 Mi.	150 Mi.	300 Mi.	500 Mi.	750 Mi.	1000 Mi.	1500 Mi.	2000 Mi.		
cost	up t	o 5 lbs.	\$0.25	\$0.25	\$0.25	\$0.30	\$0.35	\$0.45	\$0.50	\$0.72		
64	4	10 lbs.	- 30	.30	. 31	. 40	,50	. 65	.70	1.34		
4 .	44	15 lbs.	. 30	.34	.41	.51	. 67	. 73	1.00	1.96		
"	4	20 lbs.	. 30	. 42	. 51	. 64	.85	. 94	1.30	2.57		
44	4	25 lbs.	. 35	. 50	.61	.78	1.04	1.15	1.60	3.19		
44	ш	35 lbs.	. 45	. 66	. 82	1:05	1.41	1.57	2.20	4.42		
44	4	45 lbs.	. 55	. 82	1.02	1.34	1.79	1.99	2.80	5.66		
S.C.	4	55 lbs.	. 65	. 98	1.23	1.59	2.16	2.40	3.40	6.89		
	- 4	75 lbs.	. 85	1.30	1.63	2.13	2.91	3.24	4.60	9.36		
4	- 44	95 lbs.	. 99	1.60	2.04	2.67	3.66	4.08	5.80	11.83		
For !	Ea.	100 lbs.	. 99	1.60	2.04	2.70	3.74	4.18	6.00	12.34		

INSURANCE

Parcel post insurance rates are: 5¢ for parcels up to \$5.00; 10¢ for parcels from \$5.00 to \$25.00; 10¢ for parcels from \$5.00 to \$25.00; 25¢ for parcels from \$50 to \$100.00. After \$100.00 the charge for each additional \$50.00 is 5¢ extra. ALL PARCELS WE SHIP MUST BE IN-

Express insurance rates are: for shipments under \$50.00, no extra insurance charge; for shipments valued from \$50.01 to \$150.01 charge is 10¢. For each additional \$100.00 value or portion thereof, charge is 10¢.

EXPRESS & FREIGHT SHIPMENTS

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NOTE: Equipment built or ordered especially to meet customers requirements not subject to exchange, credit or refund. All orders for special merchandise must be accompanied by a deposit.

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We buy for cash and sell for cash; this explains our low price policy. We do not carry credit accounts, and we pass on to our customers all savings affected by the elimination of costly book-keeping. We will ship C.O.D. if desired, providing a deposit of at least 20% accompanies your order. C.O.D. parcels may be shipped ONLY to places in the 48 states of the U.S. and to U.S. territories. On small orders, remittance in full saves you extra collection costs.

FOREIGN ORDERS

On all foreign orders we require payment in the United States by irrevocable and confirmed letter of credit against documents, or 50% deposit with order, balance sight draft against B/L. All quotations are F.O.B. our warehouse, with slight additional charge for export packing. Orders up to \$25.00 payable in full, in advance, including postage. All remittances payable in U.S. funds.

2% TRANSPORTATION ALLOWANCE

On mail orders of \$25.00 or more, we allow you to deduct 2% from the total as transportation allowance, with the following exceptions. All Lafayette and National Co. products; all items sold under Fair Trade regulations; all items marked "shipped Postpaid"

RETURNING MERCHANDISE

If you find it necessary to return any merchandise for adjustments, please write in advance stating the following: reason for return—when and where purchased—number of sales slip (if purchased over the counter). If your shipment is received damaged, obtain a report from the postmaster or express agent and mail it to us. Use a separate sheet of paper for all adjustment matter; do not add remarks to a new order for parts. Do not include money in the package you return. When returning merchandise, pack carefully, insure, and write your name and address on all packages and letters before returning to us. turning to us.

FINAL PRICES

Prices shown in this catalog are net, and except where marked POSTPAID, do not include postage. All discounts have been deducted, including 2% discounts for cash. Prices are subject to change without notice; we give customers the benefit of all reductions taking place after the catalog is published.

POSTPAID ITEMS

Items marked "Shipped Postpaid" do not require postage. Please note that Postpaid items refer only to shipments made within the 48 states of the U.S. only (does not include U.S.

SENDING MONEY

The safest and best way to send money is by: American Express; Post Office or Telegraph Money Order; bank drafts; firm checks; stamps. Do not send cash. If absolutely necessary to remit cash, send by registered mail only. Do not hesitate to include sufficient postage; over-payments are promptly refunded.

PARCEL POST RATES FOR ALL ZONES

Parcels up to 8 ounces may be shipped anywhere in the United States for 6¢. Parcel post shipments to any zone must not exceed 70 pounds. The limit of size on all parcel post packages in length and girth combined (length 35 in, plus twice 10 in. width, plus twice 5 in. height, equals 100 inches in length and girth combined, at

		TING III		ZONI	ES			
Weight	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth
In	Up to	50 to	150 to	300 to	600 to	1000 to	1400 to	Over
Pounds	50 Mi.	150 Mi.	300 Mi.	600 Mi.	1000 Mi.	1400 Mi.	1800 Mi.	1800 Mi.
1	\$.08	\$.08	\$.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2	. 10	.10	.11	.14	. 17	. 19	. 23	.26
3	.11	.11	. 13	.17	. 22	. 26	.32	. 37
4	. 12	.12	.15	.21	.27	. 33	.41	. 48
5	. 13	. 13	.17	. 24	. 33	. 40	. 50	. 59
6	.14	.14	. 19	.28	. 38	. 47	. 59	.70
7	. 15	. 15	. 21	.31	. 43	. 54	. 68	.81
8	. 16	.16	. 23	. 35	.49	. 61	.77	. 92
9	.17	.17	. 25	. 38	. 54	. 68	.86	1.03
10	.18	. 18	.27	. 42	. 59	.75	.95	1.14
11	. 19	. 19	. 29	.45	. 64	. 82	1.04	1.25
12	.21	. 21	. 31	. 49	.70	. 89	1.13	1.36
13	. 22	. 22	. 33	. 52	. 75	. 96	1.22	1.47
14	. 23	. 23	. 35	. 56	. 80	1.03	1.31	1.58
15	. 24	.24	. 37	. 59	. 86	1.10	1.40	1.69
16	. 25	.25	. 39	. 63	.91	1.17	1.49	1.80
17	. 26	.26	.41	. 66	.96	1.24	1.58	1.91
18	. 27	.27	. 43	.70	1.02	1.31	1.67	2.02
19	.28	.28	. 45	.73	1.07	1.38	1.76	2.13
20	. 29	. 29	. 47	.77	1.12	1.45	1.85	2.24
For Each Added lb. Add	1¢	1¢	2 ¢	31/2 €	5∉	7 £	9¢	11¢

EXPRESS CHARGES

Express charges are also determined by the signee from shipper. The following chart en weight of the shipment and distance of the con- ables you to estimate charges.

Maximum Dis- tance in miles			50 Mi.	150 Mi.	300 Mi.	500 Mi.	750 Mi.	1000 Mi.	1500 Mi.	2000 Mi
cost	up t	o 5 lb.	\$0.25	\$0.25	\$0.25	\$0.30	\$0.35	\$0.45	\$0.50	\$0.72
66	- 64	10 lbs.	. 30	. 30	.31	.40	. 50	. 65	.70	1 34
ш	"	15 lbs.	. 30	. 34	.41	.51	. 67	.73	1.00	1 96
и	и	20 lbs.	.30	. 42	. 51	. 64	. 85	. 94	1.30	2 57
и	4	25 lbs.	. 35	.50	. 61	. 78	1.04	1.15	1.60	3 19
и	4	35 lbs.	. 45	. 66	. 82	1.05	1.41	1.57	2.20	4 42
и	4	45 lbs.	. 55	. 82	1.02	1.34	1.79	1.99	2.80	5 66
4	66	55 lbs.	. 65	.:98	1.23	1.59	2.16	2.40	3.40	6.89
ш	4	75 lbs.	. 85	1.30	1.63	2.13	2.91	3.24	4.60	9.36
"	44	95 lbs.	.99	1.60	2.04	2.67	3.66	4.08	5.80	11.83
For	Ea.	100 lbs.	.99	1.60	2.04	2.70	3.74	4.18	6.00	12.34

INSURANCE

Parcel post insurance rates are: 5¢ for parcels up to \$5.00; 10¢ for parcels from \$5.00 to \$25.00; 15¢ for parcels from \$25.00 to \$50.00; 25¢ for parcels from \$50 to \$100.00. After \$100.00 the charge for each additional \$50.00 is 5¢ extra. All parcels that we ship are insured.

Express insurance rates are: for shipments under \$50.00, no extra insurance charge; for shipments valued from \$5.00 to \$150.00 charge is 10¢. For each additional \$100.00 value.or portion thereof, charge is 10¢.

EXPRESS & FREIGHT SHIPMENTS

Express and freight shipments are sent transportation charges collect. If your station has no agent, please send sufficient money to cover transportation. Charges are the same either way. All over-payments are promptly refunded.

C. O. D. SHIPMENTS

Transportation charges on C.O.D. parcels are slightly higher than those sent prepaid. C.O.D. charges in addition to the regular postage costs outlined above are as follows (including insurance): When value of parcel is up to \$5.00 the extra charge is 12¢; \$5.00 to \$25.00 the extra charge is 17¢; \$25.00 to \$50.00 the extra charge is 17¢; \$25.00 to \$50.00 the extra charge is 22¢; \$50.00 to \$100.00 the extra charge is 32¢; \$100.00 to \$150.00 the extra charge is 45¢. For each \$50.00 value above \$200.00 the charge is \$6\pm more (including insurance). The Post Office also charges an extra small money order fee on each C.O.D. parcel. Save these fees by remitting in full.

NOTE: Equipment built or ordered especially to meet customers requirements not subject to exchange, credit or refund. All orders for special merchandise must be accompanied by a deposit.