ALLIED RADIO

CORPORATION

833 W. JACKSON BLVD. CHICAGO

RADIO'S LEADING SUPPLY GUIDE

1938

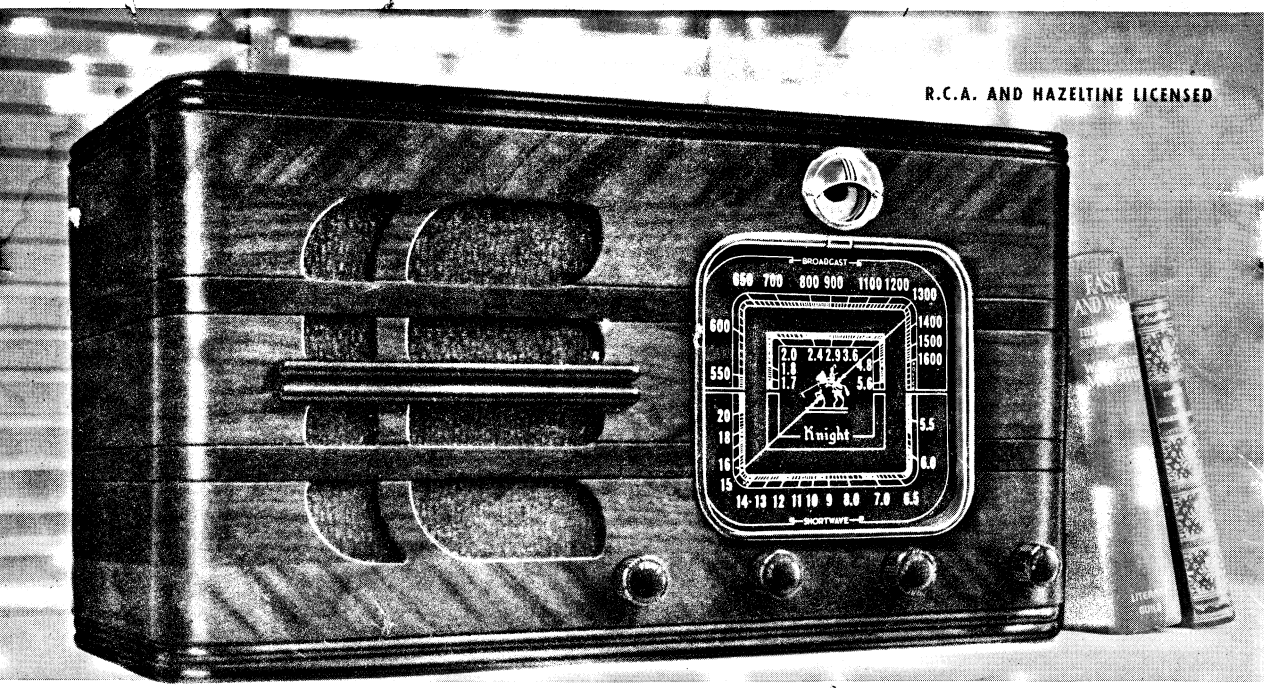
Everything in Radio

WORLD-WIDE SETS • TUBES • ACCESSORIES • REPLACEMENT PARTS
SERVICEMEN SUPPLIES • TESTING EQUIPMENT • LABORATORY
EQUIPMENT • AMATEUR EQUIPMENT • EXPERIMENTERS' PARTS
S. W. APPARATUS • SET-BUILDERS' KITS • PUBLIC ADDRESS
TECHNICAL BOOKS • TOOLS • HARDWARE • ALL STANDARD LINES

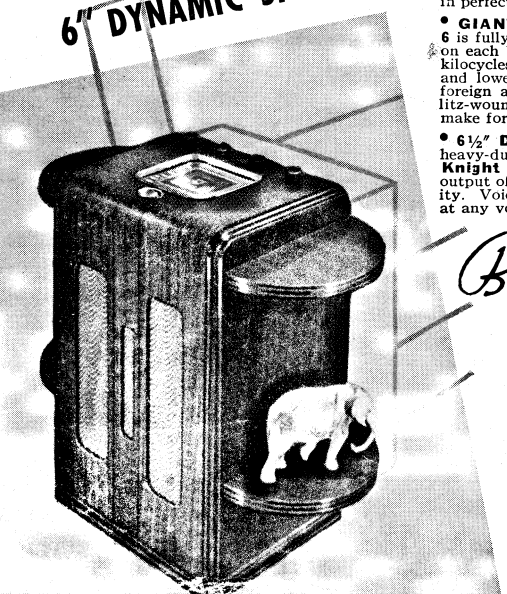
FOR COMPLETE INDEX SEE PAGES 143-144

Knight 6 TUBE 3 BAND A. C. SUPERHET

R.C.A. AND HAZELTINE LICENSED



ELECTRIC EYE
3 WAVE BANDS
TONE CONTROL
3½ WATTS OUTPUT
NEW 6 INCH DIAL
FULL-ACTION A.V.C.
6" DYNAMIC SPEAKER



B10500. The **Knight 6 Tube All-Wave A.C. Superhet,** complete with Raytheon tubes.
Retail Value, $42.50.
NET EACH, $20.75.
YOUR PRICE, LOTS OF 3, EACH..... **$19.75**

• **WORLD-WIDE RANGE.** A new 1938 **Knight 6 Tube A.C. Superhet** that everyone can afford. Powerful, selective, sensitive—it brings you world-wide radio entertainment on three full wave bands. Covers foreign and domestic Short Wave between 17-52 Meters; police, aviation and amateur 'phone between 52-175 Meters; and long-distance American and Canadian standard Broadcast stations between 172-555 Meters.

• **TELEYE TUNING.** The unerring Electric Eye is incorporated in the new **Knight 6.** It provides the silent way to better tuning and perfect tone. You just watch the shadow in the glowing eye; when it is narrowest you are tuned in perfectly.

• **GIANT 6" DIAL.** The new dial of the **Knight 6** is fully illuminated and accurately calibrated on each band. The upper scale is calibrated in kilocycles for the Broadcast band; the middle and lower scales are in megacycles for tuning foreign and domestic Short Wave. Individual litz-wound coils and special wave-band switch make for maximum tuning efficiency.

• **6½" DYNAMIC SPEAKER.** The oversized heavy-duty Electro-dynamic speaker used in the **Knight 6** faithfully handles the full 3½ watts output of the circuit with wide-range tonal fidelity. Voice and music are reproduced flawlessly at any volume level.

• **A WORLD OF POWER.** The **Knight 6** develops full 3½ watts output from its perfected R.C.A. and Hazeltine licensed Superhet circuit. Latest Raytheon tubes are used: 6A8 as Det.-Osc.; 6D6 as I.F. Amp.; 6Q7 as 2nd Det.-A.V.C.-1st Audio; 41 as Power Output; 80 as Rectifier; 6G5 is Electric Eye. This fine 1938 circuit actually develops 8 tube efficiency.

• **TONE CONTROL.** Continuously Variable Tone Control as incorporated in the new **Knight 6** provides for the accentuation of either high or low notes, as desired. Makes the **Knight 6** a more "personal" receiver—doubles your radio enjoyment!

• **GLORIOUS TONE.** The clear, rich tone of the **Knight 6** brings new joy to radio listening. Never before has such vital and realistic tone quality been available in a radio receiver at such a modest price.

• **FULL A.V.C.** Maintains constant volume level; prevents fading on Short-Wave signals and blasting on local stations. Has rubber-floated tuning condenser for smoother tuning.

• **NEW CABINET.** The **Knight 6** is housed in a gracefully proportioned table model cabinet whose pleasing beauty will harmonize anywhere. The front panel is of carefully matched walnut woods with a chaste grillwork design. Measures 19⅛"x11"x9½".

• **SET COMPLETE.** The **Knight 6 Tube All-Wave Superhet** is offered in table model illustrated above, complete with Raytheon tubes. For operation on 110 volts, 60 cycles, A.C. Shpg. wt., 22 lbs.
Code: PLANE.
B10500. **$19.75**
Retail Value, $42.50.
NET PRICE EACH, $20.75.
PRICE, LOTS OF 3, EACH
For operation on any voltage from 110 to 230 volts, 25 to 60 cycles A.C., add $2.85.

Beautiful New ARMCHAIR *Model*

The Knight 6 Tube All-Wave A.C. Superhet is also available in the new 1938 Armchair Model as illustrated at the left. The very latest word in beautiful radio styling and tuning convenience. Beautifully proportioned, with both sides and top rolled of one-piece selected grained walnut. Gracefully curved shelves are useful as well as decorative. The Armchair Model measures 26¼" high, 21⅛" wide, 12¼" deep. Complete **Knight 6 Tube A.C. 3 Band Armchair Superhet** with all features as described above; with 6½" dynamic speaker and Raytheon tubes. Shipping weight, 41 lbs.
Code: EARTH.
B10522. Retail Value, $57.50.
NET PRICE EACH, $27.50.
YOUR PRICE, LOTS OF 3, EACH..... **$25.95**

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Knight 6 TUBE AC-DC

Exquisite Molded Plastic Models

TUNES 43-143 AND 175-555 METERS

Completely new! From its advanced feature-packed circuit to its ultra-modern plastic cabinet, this 1938 **Knight 2½ Band AC-DC Superhet** has been designed and built to give enjoyable and powerful AC-DC performance. Equal in results to many 7 and 8 tube sets.

• **Actual 3 Band Efficiency.** The new **Knight 6 AC-DC Superhet** tunes from 43 to 143 Meters for excellent coverage of Short-Wave Amateur, police and aviation calls, as well as the popular and thrilling 49 meter band for foreign stations; and from 175 to 555 Meters for long-distance standard American and Canadian Broadcast programs. Gives actual 3 band efficiency at a truly low price.

• **Plays Anywhere.** The **Knight 6** is the ideal AC-DC receiver. Plays equally well on 110 volts AC or DC, 40 or 60 cycles, and may also be used on 220 volts with adapter listed below. The **Knight AC-DC 6** is ideal as a personal or "spare" receiver.

• **A Powerful Receiver.** The **Knight AC-DC 6** utilizes the new powerful 25B6G Beam Power tube which develops a large output never before attainable in AC-DC sets. This strong volume is handled without distortion by the full 5-inch Electro-dynamic speaker.

• **Splendid New Features.** The **Knight 6** has a built-in antenna for added convenience; a novel illuminated dial, which can be tuned easily with the cabinet in either "laydown" or "upright" positions (see illustrations); Automatic Volume Control for uniform volume maintenance; special high-gain antenna coil for added sensitivity; latest type tubes used as follows: 6A7 as Det.-Osc.; 6D6 as I.F. Amp.; 75 as triple-purpose 2nd Det.-A.V.C.-1st Audio; 25B6G as Beam Power Output; 25Z5 as Rectifier; L49BJ as voltage regulator.

• **Beautiful Plastic Cabinets.** The smart new plastic cabinet of the **Knight 6 AC-DC** is especially attractive and practical. It can be used and played in either laydown or upright position to suit any taste or place. Available in black or ivory. Features a pleasing modern design with handsome harmonizing chromium grille bars on the black model, and gold bars on the ivory. Size: 11x7x6¼".

• **Set Complete.** Order several of these outstanding 1938 compact sets today—and watch them move at a real profit! The **Knight 6 Tube 2½ Band AC-DC Superhet** for 110 volts AC-DC, 40-60 cycles, complete with Raytheon tubes. Shpg. wt., 10 lbs.

B10530. Black.
List, $34.50. **NET PRICE EACH, $16.45.**
YOUR PRICE, LOTS OF 3, EACH **$15.45**

B10531. White.
List, $37.50. **NET PRICE EACH, $17.95.**
YOUR PRICE, LOTS OF 3, EACH **$16.95**

B9145. 220 Volt Adapter. **NET** **65c**

Knight 5 TUBE A.C. SUPERHET

AN ALLIED 1938 feature VALUE !!!

TUNES 175 to 555 METERS

An entirely new 1938 Superhet radio with exclusive features, with outstanding power and with splendid tone quality—worth twice our amazingly low price. A real value leader in every sense of the word—priced low for large volume sales.

• **Quick-Touch Dial.** A new 1938 tuning feature! The quick, effortless way to locate your favorite stations. Simply put your finger on the station name of your choice and tune in your program with a single easy movement. You can tune 12 of your favorite stations in this smooth, convenient way. Of course, you may tune all other stations by number in the regular manner, as you prefer.

• **Extra-Value Features:** You get all of the following in the 1938 **Knight A.C. 5:** Tone Control for added tonal enjoyment; permits emphasis of treble or bass as desired; Full A.V.C.—maintains constant volume on all programs; Five Inch Dynamic—one of the finest compact speakers made; handles all volume levels with uniform fidelity, achieving the most enjoyable tone possible in a five tube receiver; Litz-Wound Coils—found only in the better sets; makes for greater sensitivity and stability.

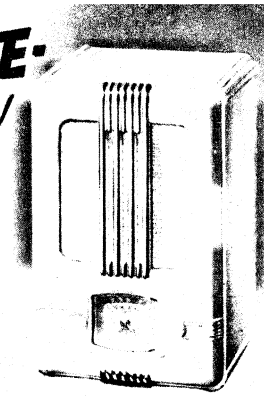
• **Large 4½" Dial.** The large full-vision dial used in the **Knight A.C. 5** is easy to read and operate. Shows calibrations in kilocycles covering a range of 175 to 555 meters. Gives powerful standard Broadcast reception of American and Canadian stations and tunes many police calls. You can use the "Quick-Touch Dial" for your twelve favorite stations and the regular station selector for all others.

• **Latest Circuit.** The R.C.A. and Hazeltine licensed Superhet circuit of the **Knight 5** uses the following tubes: 6A7 as Det.-Osc.; 6D6 as I.F. Amp.; 75 as triple-purpose 2nd Det.-A.V.C.-1st Audio; 41 as Power Output; 80 as Rectifier. These tubes attain remarkably high sensitivity and selectivity seldom found in a five tube radio.

• **Set Complete.** The **Knight 5 Tube A.C. Superhet** with "Quick-Touch Dial" is presented in a handsome new 1938 table model cabinet. Front face is of selected walnut; has pleasing flowing lines. Size: 14½x8¼x7¼". Feature this remarkable value as your "price-leader." Its new tuning feature, its striking appearance, its pleasing performance and its low price will bring you big sales volume and profits. The **Knight 5 A.C. Superhet** is offered complete with Raytheon tubes for operation from 110 volts, 60 cycles A.C. Shpg. wt., 13 lbs. Code: IMAGE.

B10501.
Retail Value, $29.95.
NET PRICE EACH, $13.95.
YOUR PRICE, LOTS OF 3, EACH **$13.25**

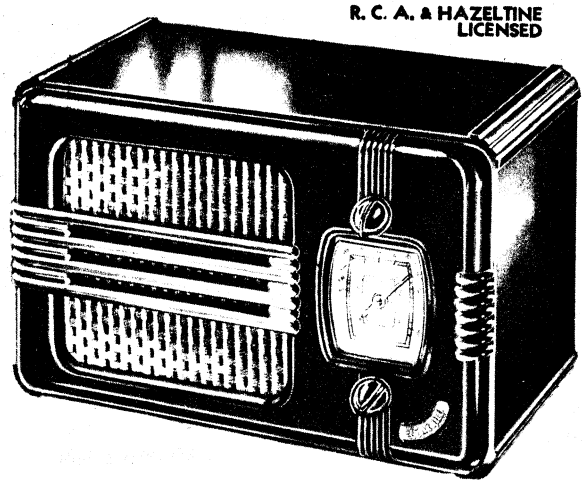
the DU-ETTE Something New!



The Knight 6 AC-DC has a splendid dual utility. It may be played as upright (see right) or as laydown (see below). It is beautiful and practical in either position. Adaptable to any setting.

- **3 BAND UTILITY**
- **BEAM POWER OUTPUT**
- **DYNAMIC SPEAKER**
- **FULL A.V.C. ACTION**
- **BUILT-IN ANTENNA**

R. C. A. & HAZELTINE LICENSED



with the new QUICK-TOUCH dial

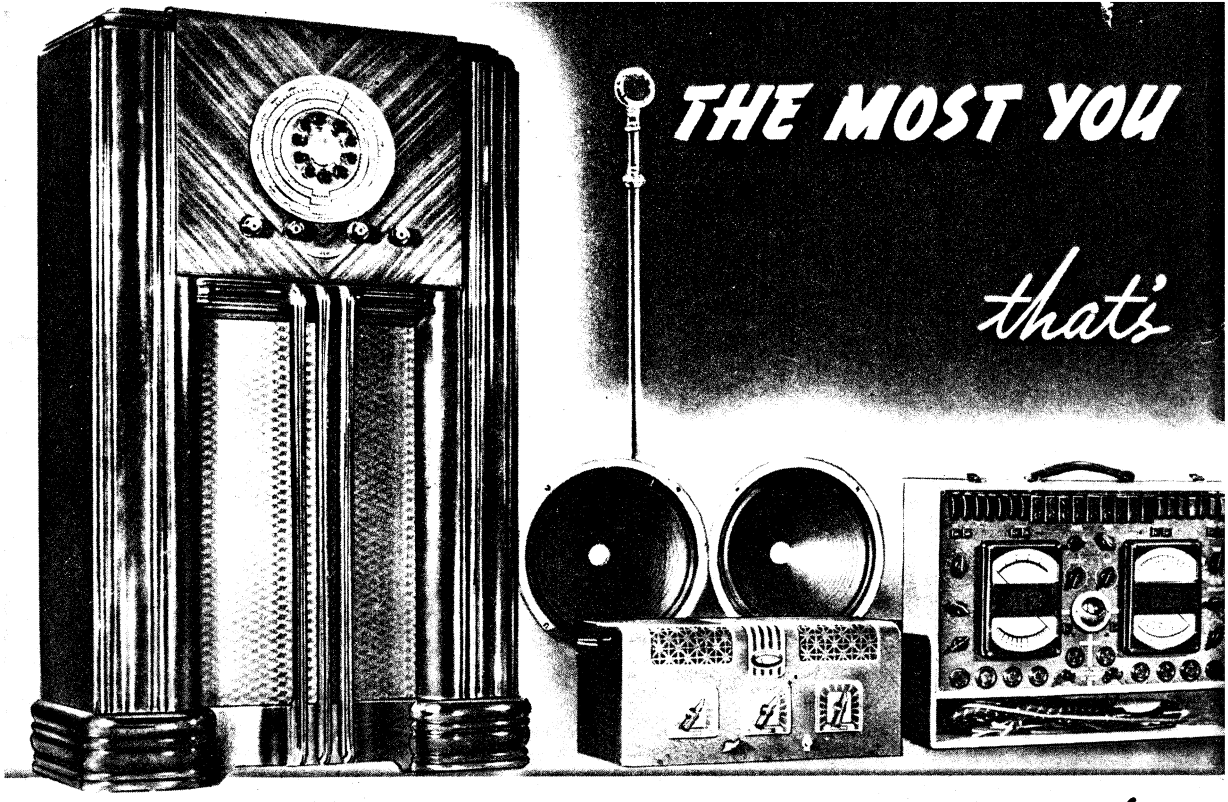
- **TONE CONTROL**
- **FULL A.V.C.**
- **4½ INCH DIAL**
- **DYNAMIC SPEAKER**
- **LITZ-WOUND COILS**
- **LATEST SUPERHET**
- **GETS POLICE CALLS**

B10501. The 1938 **Knight A.C. 5 Superhet** complete in table model cabinet as illustrated, with Raytheon tubes. Retail Value, $29.95. **NET EACH, $13.95. YOUR PRICE, LOTS OF 3, EACH**

$13.25



R.C.A. & HAZELTINE LICENSED



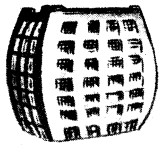
ALLIED SETS THE STANDARDS by

True VALUE represents much more than merely low prices. Naturally, ALLIED'S prices are the lowest in radio—but beyond this, we offer you the largest selection of regularly-stocked high quality merchandise, the fastest handling of every order, and radio's friendliest, most helpful personal service. It is this combination of "plus" services and consistently lowest prices which makes up ALLIED'S conception of VALUE and sets the standards by which VALUE must be judged. This is the policy which has earned for ALLIED the honestly-merited reputation of "Radio's Leading Supply House." Our old customers have always profited by the ALLIED concept of VALUE—our new customers will be sure to endorse it.







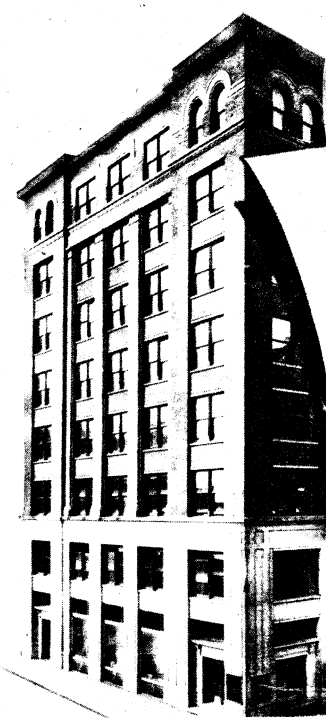


Get more for your money on every purchase. Your radio dollar buys more at *ALLIED* in 1938. We have developed the most economical merchandising methods in the field to give you the fullest value for your money. We pass every saving on to you—that's why you get more, save more, profit more on every order. That's why we will never be undersold!

Since radio's earliest days, *ALLIED'S* high standards of quality have established an enviable tradition. Every item we sell (more than 12,000 in this complete catalog!) has been selected and approved in accordance with our searching standards of quality, of performance. This is your assurance of top-notch quality—of your money's worth 100% on every purchase.

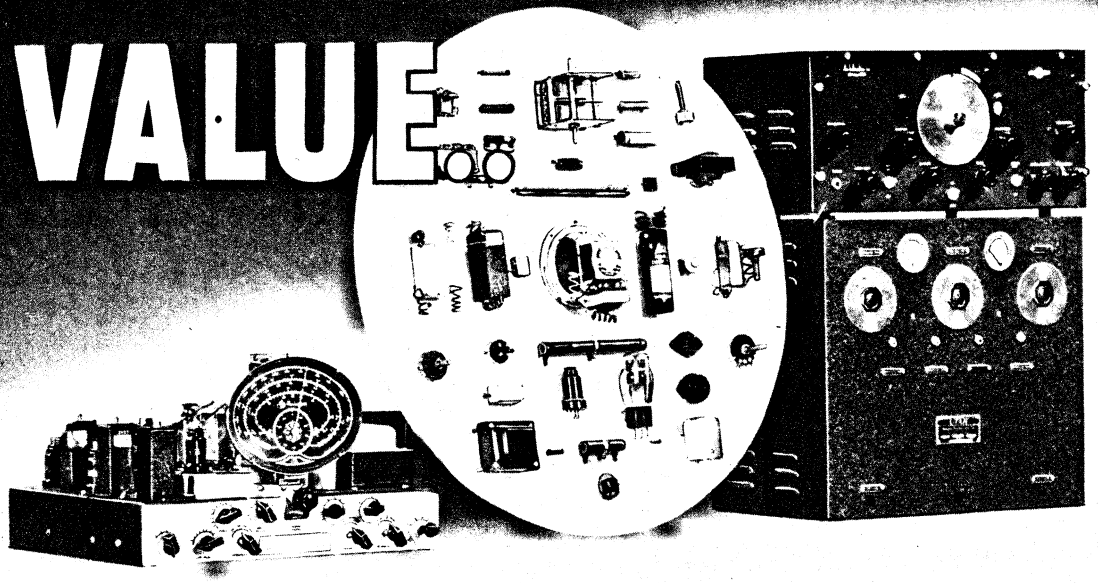
Every one of your orders is handled speedily and carefully by an efficient radio-minded organization. Our huge stocks, our central location, enable us to fill all your orders completely and instantly. Expert packing and shipping mean that every order reaches you safely—in perfect condition—ready for instant use. You get what you want when you want it!

ALLIED regularly stocks more than 12,000 selected radio items for you to choose from—the high-grade products of the leading radio manufacturers. *ALLIED'S* stocks are the most complete in radio. Recent expansion in floor space enables us to keep fully stocked at all times—ready to serve you without delay with fresh, clean merchandise that will meet with your whole-hearted approval.



CAN GET FOR YOUR MONEY—

VALUE



which VALUE MUST BE JUDGED!

DEALERS, SERVICEMEN, AMATEURS, AND LABORATORIES— LET ALLIED PERSONAL SERVICE HELP YOU!

Here at *ALLIED* we have built up a huge organization with the idea of "Service" uppermost in our minds. We want you to feel that *ALLIED* is more than just a business house; write to us about your problems on Radio Servicing, Building, Salesmanship, Short Wave, Sound, etc. Our extensive past experience enables us to answer you promptly, in a friendly, helpful manner. For thousands of Radio Dealers, Servicemen, Amateurs and Engineers, *ALLIED'S* Personal Service is a valuable aid, day in—day out.

For schools, laboratories and other institutions, we also offer Free Consulting Service. We are prepared to quote low estimates on bids and advise you as to proper equipment to meet your individual requirements. We are in constant touch with the leading radio manufacturers and can secure special and "hard-to-get" parts with minimum delay. If you require any item not listed in this catalog, send order with description and deposit and we shall secure it for you. You can depend upon *ALLIED* for Everything in Radio.

Guarantee

WE GUARANTEE 100% VALUE IN PRICE, QUALITY AND SERVICE. Every item in our catalog is guaranteed to conform exactly to the description and illustration. We guarantee that our merchandise conforms to the standards of the Radio Manufacturers' Association and will perform in the manner intended for such apparatus. Any merchandise that does not so operate, if returned at once will be promptly adjusted by exchange, repair or refund.

—ALLIED RADIO CORP.

DON'T SPLIT YOUR ORDERS

We will never be undersold. We can also supply all types of special radio equipment, not shown in this catalog, at the lowest possible prices. Enter your order with full description and deposit and we shall secure the equipment for you. We are able to serve you best because we are the leading radio specialists. It pays to do your radio buying 100% from *ALLIED*.

ALL ORDERS FILLED

We set no restriction on the amount of your order. Whether it is big or small, we give you the benefit of our best service always. It's wise to buy where you know you will consistently be better served.

2% FREIGHT ALLOWANCE

Make your order $25.00 or more and you may deduct 2% from the total as a transportation allowance. Whether you desire your shipment to go forward by Parcel Post, Express or Freight, the same money-saving 2% allowance will be made. This applies to shipments made anywhere in the United States on all radio merchandise described in this catalog, except National Co. equipment. (Foreign orders excepted.) It will pay to build up your orders to $25.00 or more to take advantage of this extra saving.

WE INVITE YOU:

When you come to Chicago, be sure to visit our enlarged Radio Headquarters at 833 W. Jackson Blvd., conveniently located on the edge of Chicago's "loop." Take advantage of the many service facilities available. Visit our new Sound and Receiver Studios.

CHICAGO CUSTOMERS

For handy quick counter service, visit our impressive City Salesroom. Plenty of Free parking space always. I-R-S-M members, Engineers, and licensed Amateurs are always on hand to serve you. All Phones: HAYmarket 6800.

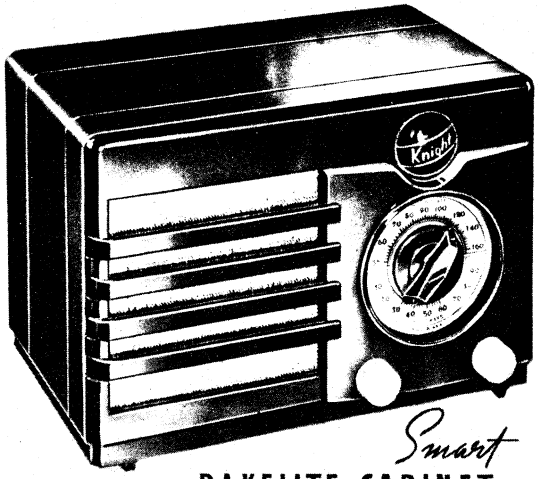
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(See Page 142 for "HOW TO ORDER" Information.)

NEW....DEPENDABLE....AMERICA'S

R.C.A. & HAZELTINE LICENSED



Knight 5 TUBE AC-DC

2 BANDS: 75-550 METERS

Smartly styled beauty—powerful performance—rich tone—all of these qualities have been combined in the **Knight 5 AC-DC** to make it the ideal personal or "spare" receiver. From its Dual Wave circuit to its ultra-modern Bakelite cabinet it is packed with new, valuable features, striking a new high in compact radio performance.

• **Tunes Two Bands.** The **Knight 5 Dual-Wave AC-DC** tunes from 75 to 180 meters, and 180 to 550 meters for strong reception of Short Wave Police and Amateur stations as well as standard Broadcast American and Canadian programs—enjoyable radio entertainment all over the dial!

• **Plays Anywhere.** Designed for office, home or traveling use, the **Knight 5 AC-DC** will play anywhere from 110 Volts, AC or DC, 40 to 60 cycles. (May also be operated from 220 Volts, AC or DC, with the adapter listed below.) From either type of current, reception is the same—always powerful and full-toned.

• **Beautiful Plastic Cabinet.** Especially attractive and practical, the handsome Bakelite cabinet will not scar or become discolored; it assures excellent acoustical quality and can be placed anywhere. Cabinets are available in choice of the following colors: glossy black, warm ivory, brilliant red, sleek walnut or smooth green. Pleasing streamlined design with rounded corners. Size: 10"x6"x6¾".

• **Powerful Circuit.** Licensed by R.C.A. and Hazeltine, the circuit of the **Knight 5** develops full 2 watts output—outstanding in AC-DC sets of its compactness; has exceptional sensitivity and selectivity. Latest tubes used are: 6D6 as R.F.; 6C6 as Det.; 25L6 as Beam Power Output; 25Z5 as rectifier; and L49C as Ballast. The 25L6 Beam Power tube is an important factor in the amazing power and tone quality of the **Knight 5.**

• **Latest Features.** Other advanced refinements which make the **Knight 5** a real value leader are: full 5" dynamic speaker, mounted in front with adequate baffle area, handling the 2 watts output with smooth, rich, enjoyable clarity; novel 3½", 3-colored, full vision dial with easy-to-tune knobs, accurate at all times; built-in antenna, etc. Here are "big-set" features at an amazingly low price.

• **Set Complete.** Order this set in quantity lots—use it as a demonstrator—its winning beauty, extreme versatility, and exceptional performance mean added sales and bigger profits for you! The **Knight 2 Band AC-DC 5** for 110 Volts AC-DC, 40 to 60 cycles, complete with Raytheon tubes. Shpg. wt., 9 lbs. Choice of Colors.

Smart BAKELITE CABINET...

- **BEAM POWER OUTPUT**
- **5" DYNAMIC SPEAKER**
- **BUILT-IN AERIAL**
- **BEAUTIFUL NEW DIAL**

$9.35 EACH Lots of 3 (BLACK)

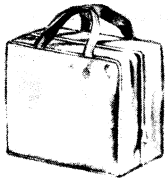
B10504. Ivory.
B10505. Red.
B10506. Green.
List, $22.50.
NET EACH, $11.25. YOUR PRICE, LOTS OF 3, EACH.. $10.65

B10503. Black.
B10502. Walnut.
List, $19.95.
NET EACH, $9.85. YOUR PRICE, LOTS OF 3, EACH.. $9.35

B9145. 220 Volt Adapter, NET.....65c

HANDY CARRYING CASE

A smart, convenient carrying case for the **Knight 5 Tube AC-DC** sets on this page and on page 5, or for any other compact radio measuring not more than 11⅛x8¼x6". Of attractive Suedette, with zipper opening and carrying handle.
B9148. List, $2.50.
YOUR PRICE..... $1.25



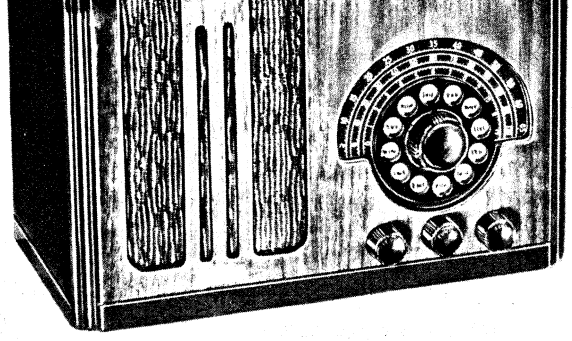
Knight 5 TUBE AC-DC

LATEST 1938 2 BAND MODEL

with New QUICK-TOUCH *Dial*

- **TUNES IN A FLASH**
- **DUAL WAVE RANGE**
- **2 WATTS OUTPUT**
- **BUILT-IN AERIAL**
- **5" DYNAMIC SPEAKER**
- **BEAUTIFUL CABINET**

R.C.A. & HAZELTINE LICENSED



This attractive new **Knight 5 Tube AC-DC** receiver features the latest "Quick-Touch" Dial, dependable 2-band reception and amazingly fine tone at an unbeatably low price. Features you can't find in sets costing twice as much are incorporated, making the **Knight 5** the compact value supreme.

• **New "QUICK-TOUCH" Dial.** The quick, easy way of tuning your favorite local stations. Just put your finger on the station you want, flick the dial, and your program is there—smoothly, conveniently. Of course, you may also tune all stations by number in the regular manner.

• **2 Band Range.** The **Knight Dual-Wave 5** tunes two bands: from 75 to 180 meters for thrilling Police Calls, Amateur and Airplane signals; and 180 to 560 meters for strong, reliable Standard Broadcast American and Canadian stations.

• **Extreme Versatility.** Operating from 110 Volts AC or DC, the **Knight Dual-Wave 5** will play practically anywhere. It will also operate from 220 Volts, AC or DC, with the adapter listed below. The **Knight 5** is conveniently portable, making it an excellent "companion" receiver. Here's a set whose market is unlimited—a set you can sell everywhere—quickly and profitably!

• **Latest Circuit.** Compact, yet complete, the **Knight 5** employs a sturdy chassis designed around an R.C.A. and Hazeltine licensed circuit, loaded with features not usually found in AC-DC portables. Tubes used are: 6D6 as R.F.; 6C6 as Det.; 25L6 as Beam Power Output; 25Z5 as Rectifier; L49C as Ballast. This efficient circuit develops full 2 watts output! The 25L6 tube provides full-strength reception on both standard Broadcast and Short Wave bands. Other new circuit features are: full-sized 5" dynamic speaker which provides full, rich tone, unusual for AC-DC receivers of this size; Litz-wound coils, assuring maximum sensitivity and selectivity; built-in antenna; etc.

• **Beautiful Cabinet.** The **Knight 5 AC-DC** is housed in an attractive cabinet, the top and front of which are of one-piece vertically-grained select walnut, with a pleasing roll-top effect. The grille opening is shaped to conform with the charming design. Has two-tone front base finish. Measures: 11⅛"x8¼"x6".

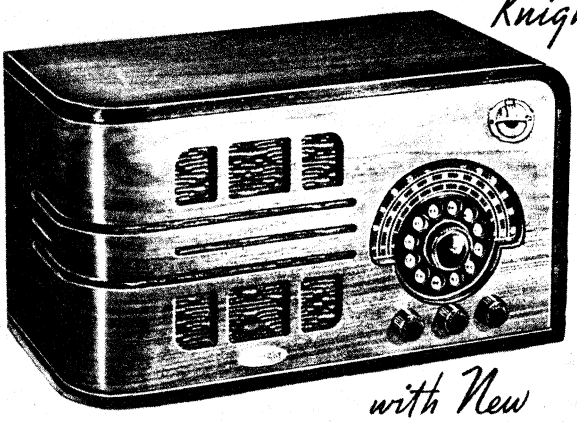
• **Set Complete.** The new **Knight 5 Tube Dual-Wave AC-DC** for 110 Volts, AC-DC, 40-60 cycle operation, is offered complete with 1—6D6, 1—6C6, 1—25L6, 1—25Z5 and 1—L49C Raytheon tubes. Shipping weight, 11 lbs. Code: CLASS. A wonderful AC-DC radio value.
B10507. Retail Value, $22.95.
NET PRICE EACH, $11.45. YOUR PRICE, LOTS OF 3, EACH.....

$10.85

B9145. 220 Volt Adapter for above set. NET.....65c

OUTSTANDING AC-DC RADIO VALUES!

R.C.A. & HAZELTINE LICENSED



Knight 7 TUBE AC-DC SUPERHET

AN *Amazing* 3 BAND RADIO VALUE

with New

QUICK-TOUCH DIAL

- ALL-WAVE TUNING
- ELECTRIC EYE
- BEAM POWER TUBE
- FULL A.V.C. ACTION
- 5" DYNAMIC SPEAKER
- A SUPERB VALUE

The **Knight 7 Tube 3-Band AC-DC Superhet,** complete with tubes.

YOUR PRICE LOTS OF 3, EACH

$16.50

Splendid new circuit features, powerful All-Wave reception and full, rounded tone make this 1938 **Knight 7** an unusually excellent buy. "Quick-Touch" Dialing makes tuning easy and accurate; new multi-purpose tubes offer extra-tube efficiency at a sensationally low price; attractively designed cabinet makes the **Knight 7** "at home" anywhere.

• **3 Full Bands.** Continuous All-Wave reception is yours with the **Knight AC-DC 7 Super.** Tunes 17 to 55 meters for foreign and domestic Short Wave programs; 55 to 185 meters for Police, Amateur, Airplane signals; and 185 to 560 meters for powerful, enjoyable reception of standard Broadcast American and Canadian programs. Imagine dependable all-wave tuning at this low price!

• **Latest "Quick-Touch" Tuning.** Styled to the minute, the **Knight AC-DC 7** employs the newest easy way to tune. Just select any one of 12 of your favorite stations, flip the dial with your finger, and your program rolls in. Of course, you may also tune the **Knight 7** in the conventional way.

• **Electric Eye.** With both new "Quick-Touch" tuning and the unerring Electric Eye, you have the ideal combination for scientifically precise tuning. No noise—no "off-station" tuning—your programs flow in perfectly.

• **New Superhet Circuit.** Powerful, dependable, expertly engineered to meet today's rigorous requirements for AC-DC sensitivity and selectivity, the circuit of the **Knight 7** is licensed by R.C.A. and Hazeltine. High efficiency tubes are used as follows: 6A7 as Det.-Osc.; 6D6 as I.F. Amp.; 75 as 2nd Det.-A.V.C.-1st Audio; 25L6 as Beam Power Output; 25Z5 as Rectifier; L49C as Ballast; and 6G5 as Electric Eye. Has extra-tube efficiency! 25L6 Beam Power Output stage develops 2 full watts output, making the **Knight 7** an exceptionally powerful AC-DC performer. Other outstanding features include: 5" dynamic speaker, capable of handling all programs with vivid, lifelike clarity; tone quality which has never before been possible in AC-DC receivers; Automatic Volume Control to assure uniform volume on all stations; Litz-wound coils for increased sensitivity and selectivity; etc.

• **Plays Anywhere.** Versatility plus—that's the **Knight 7 AC-DC Superhet!** It will work perfectly from any 110 Volt, 40 to 60 cycle, AC or DC outlet; and may also be operated from 220 Volts, 40 to 60 cycles, AC-DC, with the adapter listed below.

• **Attractive Cabinet.** The beautiful modern cabinet of the **Knight 7** harmonizes ideally with the sturdy, up-to-the-minute chassis. Front and one side are of one-piece choice walnut, with graceful rolled effect. Tastefully shaped grille with cut-out stripes conforms pleasingly to the design. Size: 14⅛x8¼x7¼".

• **Set Complete.** The new **Knight 7 Tube 3-Band Superhet** for 110 Volts AC-DC, 40-60 cycles operation, is offered complete with Raytheon tubes. Shipping weight, 11 lbs. Code: ENTRY.

B10508. Retail Value, $35.00.

NET PRICE EACH, $17.35.

YOUR PRICE, LOTS OF 3, EACH **$16.50**

B9145. 220 Volt Adapter for above Set. NET.....65c

Knight 5 TUBE AC-DC

2 BANDS: 75-550 METERS

Here's a typical **ALLIED** value! A new **Knight 5 Tube 2 Band AC-DC** receiver with desirable new features and smart, modern styling at a price you can't beat anywhere. We've priced this **Knight** set to sell, yet quality parts and careful construction come up to our high standards in every detail.

• **Two Band Reception.** Tunes two full bands powerfully and enjoyably for Short Wave stations as well as all standard Broadcast programs. Range covers 75-180 meters for Amateur 'phone and Police calls; and 180-560 meters for popular American and Canadian standard Broadcast reception. Surprising distance reach and power make this new **Knight** an outstanding AC-DC Radio.

• **Will Operate Anywhere.** You can operate the **Knight 5** wherever 110 volts, 40-60 cycles Alternating or Direct current is available. Simply plug into electric outlet for instant performance. May also be used on 220 volts, 40-60 cycles AC or DC with special adapter listed below. Use the **Knight 5** at home or at the office—take it along when travelling—it's the perfect "Companion" Radio.

• **R.C.A. and Hazeltine Licensed.** A carefully engineered circuit, employing newest Raytheon tubes, is the foundation of the **Knight 5 Tube** radio's brilliant performance. Tubes are correctly chosen for greatest power and efficiency: 6D6 as R.F.; 6C6 as Det.; 25L6 Beam Power Output; 25Z5 as Rectifier; and L49C as Ballast. Full 2 watts output—remarkably high for a compact AC-DC receiver—is developed from the 25L6 Beam Power Output stage for strong reception and pleasing reproduction of every program. Litz-wound coils are used for utmost sensitivity and excellent selectivity. Specially matched 5" dynamic speaker provides faithful reproduction of both voice and music. Tone quality far surpasses that of ordinary AC-DC radios. Built-in aerial adds to convenience.

• **Handsome Portable Cabinet.** The **Knight 5** is offered in a newly designed cabinet that pleases the eye and provides proper acoustical backing. Has striped walnut face and top with beaded end panels. Pillow-shaped dial opening. Full 3½" tri-color dial is clearly illuminated and easy-to-read.

• **Set Complete. Knight 5 Tube 2 Band AC-DC** for operation on 110 volts, 40-60 cycles AC or DC. Complete with 5" speaker and Raytheon tubes. Size: 11x7⅛x6 inches. Shpg. wt., 12 lbs. Order several of these sets—use them as demonstrators. They'll bring you fast repeat sales. Code: VERSE.

$9.95

B10509. Retail Value, $20.00.

NET PRICE EACH, $10.45.

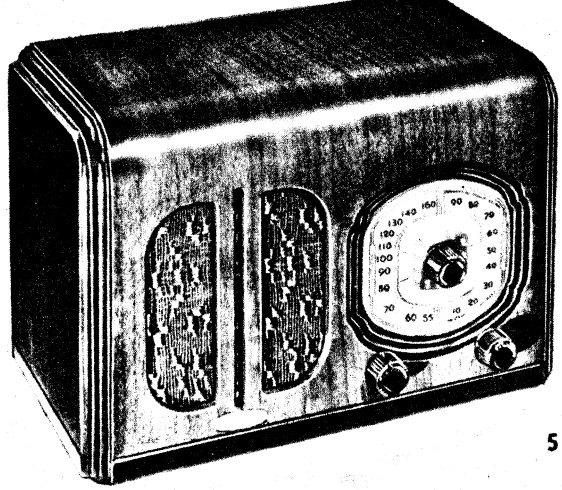
YOUR PRICE, LOTS OF 3, EACH.....

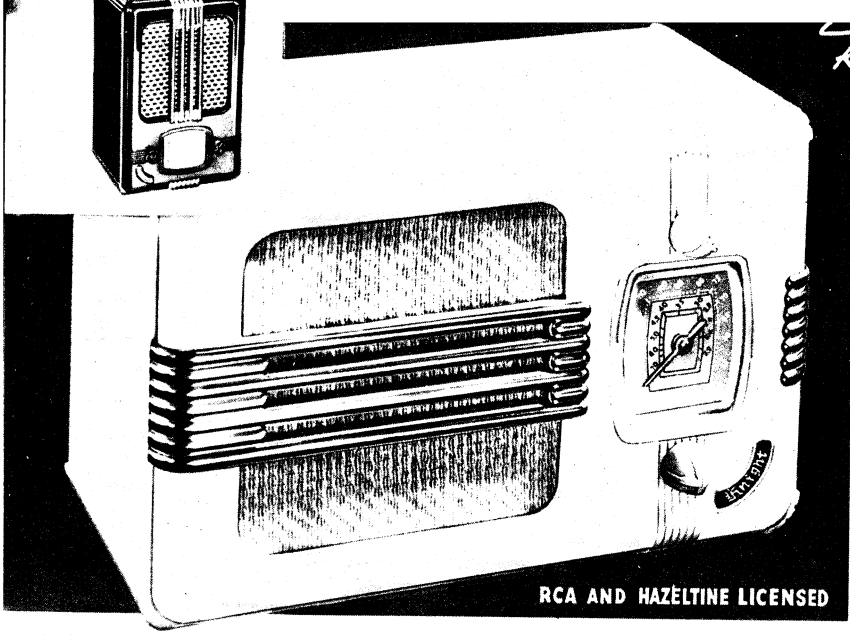
B9145. 220 Volt Adapter. NET.....65c

Splendid New Features

- BEAM POWER OUTPUT
- BUILT-IN AERIAL
- DYNAMIC SPEAKER
- NEW AIRPLANE DIAL
- PLAYS ANYWHERE

R.C.A. & HAZELTINE LICENSED





Knight 5 TUBE A. C. SUPERHET

in new Bakelite Cabinet

- 175-550 Meters
- 2-in-1 Design
- Full A.V.C.
- Gets Police Calls
- Airplane Dial
- Dynamic Speaker

Here is a wonderful combination of versatility, beauty, and value in an ultra-modern compact radio set at an amazingly low price. The **Knight 5 Tube A.C. Superhet** is the ideal "utility" radio for bedroom, kitchen, spare room and office use. It will add distinction and beauty to any interior. 175 to 550 Meters are covered powerfully and dependably, bringing in standard Broadcast and police-call reception clearly and faithfully.

• **Beautiful Airplane Dial.** Newest pillow-shape; indirectly flood-illuminated, softly yet clearly. Calibrations are etched in color on a gold background and are ingeniously placed on the bias for easy-reading in both laydown and upright positions. Size, 2x2½".

• **New Advanced Circuit.** Licensed by the famous R.C.A. and Hazeltine Laboratories, assuring you of the latest engineering developments. Uses the latest tubes as follows: 6A7 as Det.-Osc.; 6D6 as I.F.; 75 as 2nd Det.-A.V.C.-1st Audio; 41 as Pentode Output; 80 as rectifier. This tube line-up assures high gain, big output, and flawless tonal fidelity. The tone of the **Knight 5** is a constant joy.

• **Latest Features.** The **Knight A.C. 5** has full A.V.C. action to assure uniform volume; full-sized electro-dynamic speaker with fine volume-handling capacity and excellent tonal response; special high-gain antenna coil of litz wire giving exceptionally increased antenna gain; statically shielded power transformer for noise-free operation, etc.

• **Set Complete.** The **Knight 5 A.C. Superhet** in handsome Bakelite cabinet, complete with Raytheon tubes. For operation on 110 volts, 60 cycles, A.C. Shpg. wt., 11 lbs.

B10533, Black. List, $27.50.
NET EACH, $12.95.
LOTS OF 3, EACH **$12.45**

B10534, White. List, $29.95.
NET EACH, $14.45.
LOTS OF 3, EACH **$13.95**

$12.45

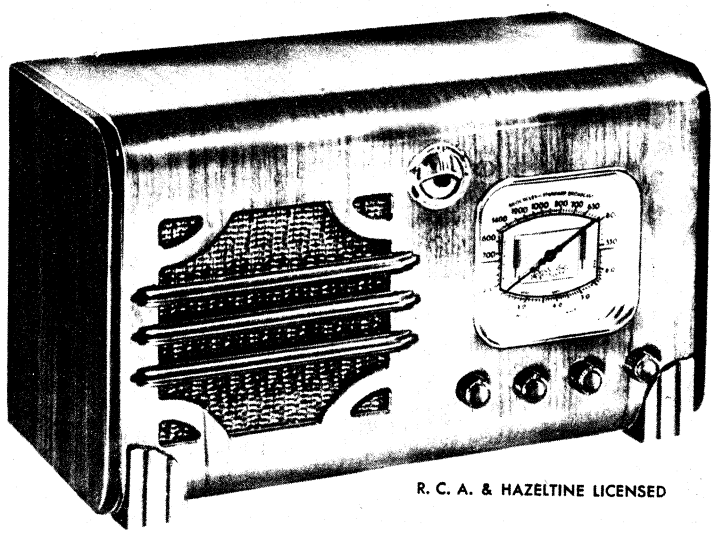
EACH, IN LOTS OF 3.
BLACK PLASTIC MODEL

This up-to-the-minute styled **Knight 5** is beautifully presented in the smart new plastic cabinet shown above. It can be placed in either the upright or laydown position, the dial being perfectly legible in either case. Available in either glossy Ivory or rich Black, these sturdy, handsome cabinets will not mar or discolor, and assure finest acoustical quality always. The Ivory model is beautifully trimmed with gold finished grille; the fabric is woven with harmonious yellow tracer. The Black model is tastefully trimmed with a gleaming chrome grille and has a speaker cloth woven from black and silver fabric which lends a distinctive note to the entire color scheme. The **Knight 5 A. C.** is distinguished for both beauty and performance, conforming to the rigid **Knight** standards of radio value. Cabinet measures 11x7x6¼".

Knight 6 TUBE 2 BAND A. C. SUPERHET

Exceptional cabinet craftsmanship is evident in every line of the cabinet of the **Knight 6.** The chassis is housed in a beautiful walnut "laydown" cabinet. Top, front and bottom are rolled with rounded corners at both top and bottom of a single piece of vertically striped walnut. Richly-grained, and carefully matched, the wood contained in this cabinet has been especially selected to produce finest tone qualities. Ends are of color-matched selected red gum. Dial shape and speaker grille design conform to the pleasing, graceful lines of the cabinet. The entire cabinet is finished in a lustrous piano finish. The **Knight 6** is a receiver that will make every owner proud of its beauty. Measures 17" long, 10¼" high, 8" deep.

- 3 BAND UTILITY
- WITH ELECTRIC EYE
- TONE CONTROL
- FULL A.V.C. ACTION
- 6" DYNAMIC SPEAKER
- LARGE 4½" DIAL
- 3 WATTS OUTPUT



Value is the keynote of this new **Knight Dual Wave A.C. Superhet**—value that is expressed in its new exclusive features, strong power, exceptional performance, good looks, splendid tone and moderate price. Here's a quality receiver that everyone can afford!

• **Tunes 2 Full Bands.** 3-Band Reception! The **Knight 6** tunes from 47 to 130 meters to bring in Short Wave Police, Aviation, and Amateur 'phone, as well as fascinating foreign reception on the popular 49 meter foreign Short Wave channel. The second band covers 175 to 550 meters and tunes the upper Police channel and all American and Canadian standard Broadcast stations. Think of it!—a 2-band set with actual three band reception!

• **Electric Eye.** You're assured of scientifically precise tuning with the accurate Electric Eye. You tune with the volume down, and when the dark sector is narrowest you turn the volume up—and there's your station—perfectly tuned!

• **Exquisite New Dial.** Beautiful, modern, easy-to-read! It's pillow-shaped, edge-lighted, with silver face; the calibrations are etched in large black letters on a mottled silver background. Each wave band is clearly indicated. The Electric Eye is placed conveniently just above the dial.

• **6" Dynamic Speaker.** To bring you the best in faithfully reproduced voice and music, the **Knight 6** employs a full 6" electro-dynamic speaker. Every note and nuance is brought out with matchless clarity. You'll thrill to this amazing tone quality of the new **Knight 6!**

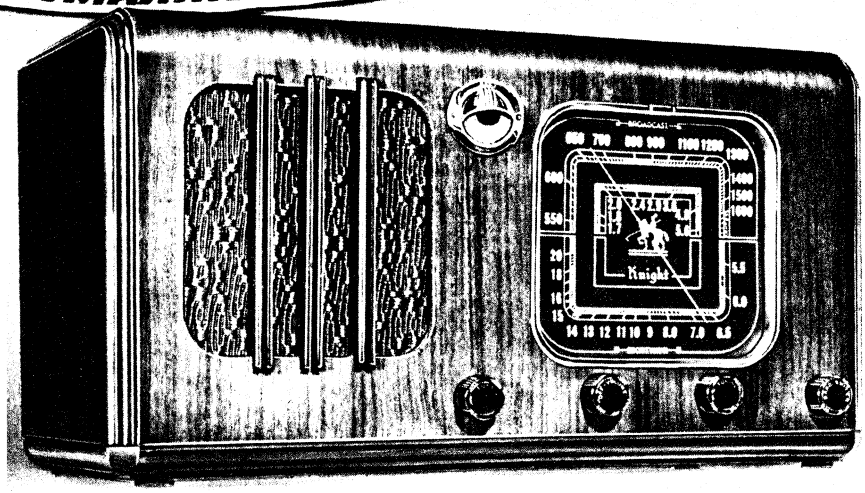
• **Tone Control.** Usually found only in much higher-priced sets, the continuously variable Tone Control incorporated in the **Knight 6** is an extra value feature. Adds to tonal beauty; permits personal accentuation of either bass or treble.

• **New Extra-Power Superhet Circuit.** Licensed by R.C.A. and Hazeltine; develops full 3 watts output. Latest tubes used are: 6A7 as Mod.-Osc.; 6D6 as I.F. Amp.; 75 as Det.-A.V.C.-Audio; 41 as Power Output; 80 as Rectifier; and 6G5 is Electric Eye—actual 8 tube efficiency! Other features include: rubber-floated tuning condenser for greater stability; Automatic Volume Control to maintain uniform volume at all times, etc.

• **The Knight Dual-Wave 6** is offered complete with cabinet and tubes. For 110 Volt, 60 Cycles AC operation. Code: GLEAM.
Shpg. wt., 15 lbs.
B10562.
Retail Value, $37.50.
NET EACH, $17.95.
YOUR PRICE,
LOTS OF 3, EACH **$17.25**

R. C. A. & HAZELTINE LICENSED

A SMASHING RADIO VALUE-FEATURES GALORE!



- FOR 110 VOLTS AC OR DC
- WORLD-WIDE RANGE
- ELECTRIC EYE
- TONE CONTROL
- FULL A.V.C. ACTION
- BEAM POWER OUTPUT

$21.95

EACH, IN LOTS OF 3

Knight 8 TUBE AC-DC 3 BAND SUPERHET

Incomparable beauty—luxurious tone—utmost versatility—extra-reserve power—keenest selectivity and sensitivity—these are the qualities that make the 1938 **Knight 8** the outstanding AC-DC receiver in radio! Quality is unbeatable, yet the price is unbelievably low.

• **Continuous All-Wave Tuning.** The **Knight AC-DC 8** brings you unlimited reception from all over the world. Three complete, thrilling bands tune 17 to 55 and 55 to 175 meters for enjoyable foreign and domestic Short Wave programs; and 175 to 550 meters for powerful American and Canadian standard Broadcast reception. Every band is alive with fascinating programs!

• **Superb Tone Quality.** The 6½" speaker in the table model and the 8" speaker in the console bring vivid, accurate reproduction of all programs—you hear them just as they are broadcast! Clear, flawless power is developed by the new 25L6 Beam Power Output Tube, and reproduced with matchless clarity—never before have such power and tone been attainable in AC-DC receivers!

• **Newest Gold Dial.** Recognizing the fact that All-Wave Tuning requires a simple, easy-to-read dial, we have incorporated in the **Knight All-Wave 8** a fully-illuminated, clearly legible dial. Measuring 6x6" in the table model and 6x8" in the console, this dial is clearly and accurately calibrated to facilitate Short Wave tuning. Important channels are plainly indicated—each band is clear—even a child can easily tune the **Knight 8!**

• **Accurate Electric Eye Tuning.** Unerring, precise and a real necessity for sharp tuning, the Electric Eye eliminates "off-station," "off-tone" tuning. Keep the volume down while tuning until the dark portion of the Eye is narrowest—then turn up the volume and let the program roll in—surely, perfectly!

• **R.C.A. Licensed Circuit.** Every new radio engineering achievement developed in the famous R.C.A. and Hazeltine laboratories has been incorporated in the brilliant Superhet circuit of the **Knight 8.** Newest Raytheon tubes are used: 6A8 as Det.-Osc.; 6D6 as I.F. Amp.; 76 as 2nd Det.-A.V.C.-1st Audio; 6K5 as Audio Amp.; 25L6 as Beam Power Output; 25Z5 as Rectifier; L40C as Ballast, and 6G5 as Electric Eye. Here's 9 Tube efficiency at the price of 8! Features include: Beam Power Amplification; special coil system; A.V.C.; Tone Control; rubber-floated condenser, etc.

• **Extreme Versatility.** The **Knight AC-DC Superhet** will play wherever 110 volts, AC or DC, 60 cycle current is available. For 220 volts AC or DC, use the line cord listed below. The **Knight 8 AC-DC Superhet** table model is offered complete with 6½" speaker and Raytheon tubes. For 110 Volts, AC or DC, 40-60 cycles. Shipping weight, 21 lbs. Code: SPORT.

B10510. Retail Value, $49.50.
NET PRICE EACH, $23.45.
YOUR PRICE, LOTS OF 3, EACH..... **$21.95**
B9145. 220 Volt Adapter. NET 65c.



1938 BEAUTY

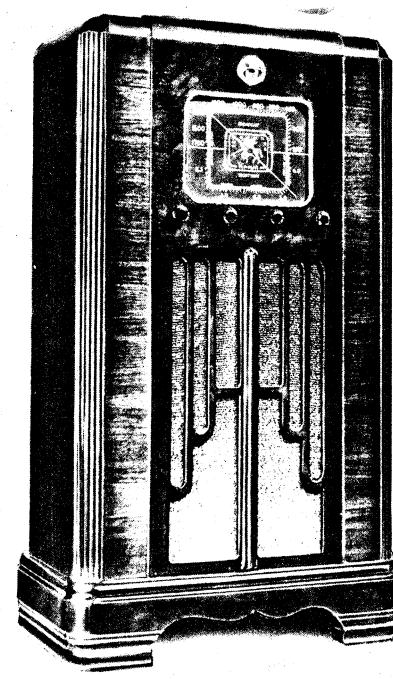
The 1938 Knight 8 Tube All-Wave Superhet is beautifully presented in the handsome table cabinet shown above. Top and front panel are of one-piece vertically-grained select walnut in beautiful rolled-top effect. The simple but attractive grille design with vertical overlay bars enhances the smart 1938 appearance of the **Knight 8.** Entire cabinet is hand-rubbed to a soft, pleasing finish. Size: 18½x9¼x7¼".

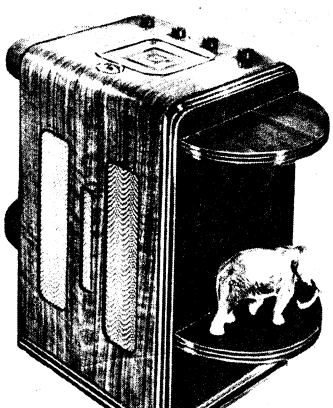
KNIGHT 8 TUBE AC-DC CONSOLE MODEL

The **Knight All-Wave 8** is also offered in the superb console model shown at the right. The finest butt walnut hardwood veneers are incorporated; careful craftsmanship is reflected throughout its construction. Handsome roll-top harmonizes splendidly with the shaped and fluted side pilasters. A beautifully figured, tasteful grille cloth is used behind the shaped walnut grille opening. Measures 37" high; 18" wide; 10" deep. The chassis is exactly the same as in the table and chairside models, with the exception that the dial size is 6x8" and the speaker diameter 8". This oversized, super-dynamic speaker has been incorporated in the console model to bring you the peak performance of which the **Knight 8** is capable—the mellow richness, the magnificent depth of tone which this console radio, using adequate baffle area, provides. To see and hear the **Knight 8 AC-DC** is to experience the peak of modern radio enjoyment. It will add charm and dignity to any setting, thrilling entertainment to every home.

• **The Knight 8 Tube AC-DC** Console Model is offered complete with Raytheon tubes. For operation from 110 volts, AC or DC, 40 to 60 cycles. Shpg. wt., 44 lbs. Code: SHADE.

B10511. Retail Value, $76.50.
NET PRICE EACH, $36.50.
YOUR PRICE, LOTS OF 3, EACH..... **$34.50**





BEAUTIFUL CHAIRSIDE MODEL

The 1938 **Knight 8** Chairside Model offers the utmost in comfort, grace and beauty when placed next to a sofa or easy chair. Cabinet has top and sides of one-piece vertically striped walnut. Has convenient and attractive shelves for books, etc. Here is the utmost in tuning convenience—the dial and knobs are placed on the top of the cabinet, so that tuning is leisurely, luxuriously simple. The chassis is the same as in the **Knight** table model described above: 8 tube AC-DC R.C.A. and Hazeltine licensed circuit; 6x6" giant colored dial; 8" dynamic speaker; Electric Eye; full Automatic Volume Control; Continuously Variable Tone Control; 25L6 Beam Power Output Tube, etc. Measures: 26¼" high; 21½" long, and 12¼" deep.

• The **Knight AC-DC All-Wave 8 Superhet** Chairside Model is offered complete with 8" speaker and Raytheon tubes. For 110 volts, AC or DC, 40-60 cycles. Shpg. wt., 41 lbs. Code: HEART.

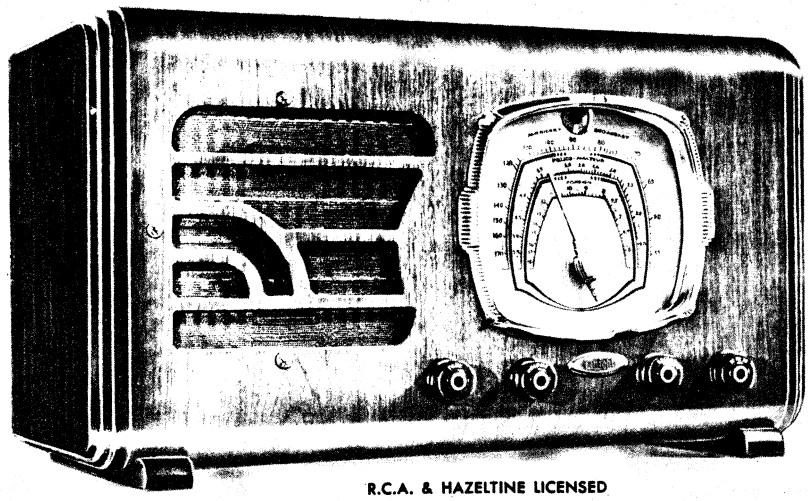
B10512. Retail Value, $57.50.
NET PRICE EACH, $27.45.
YOUR PRICE LOTS OF 3, EACH **$25.95**
B9145. 220 volt adapter. NET.....65c

(For efficient aerial, see p. 99.)

WITH THE EXCLUSIVE *New* BASS INTENSIFIER CONTROL

- 3 Bands
- Electric Eye
- Giant Dial
- Full A.V.C.
- 3 Watts Output
- 6⅝" Speaker
- Tone Control
- Preselector

$25.95 EACH IN LOTS OF 3



R.C.A. & HAZELTINE LICENSED

Knight 7 TUBE 3 BAND A. C. SUPERHET

This new 1938 **Knight 7 Tube All-Wave Radio** is a model of which we're exceptionally proud—and justly so. That's because it's actually one of the finest 7 tube table models offered anywhere today—even at much higher prices. Outstanding for richness of tonal quality, for sensitivity and selectivity in tuning, the **Knight 7** is a rare value at our very low price. Exclusive new features and skillful engineering have been combined to give you thoroughly enjoyable, **modern** radio performance. When you see and hear the **Knight 7** in operation, you'll agree with us that it's an unbeatable value.

• **Rich Tonal Beauty.** A noteworthy feature of this new receiver is its unusually life-like tonal quality. A full 6⅝" Dynamic Speaker, personal Tone Control, and new exclusive "Bass Intensifier" bring you "Broadcast Studio" reproduction of every program. Every note, every sound is brought to you vividly, full-bodied, and clearly. The "Bass Intensifier" brings up the low notes which have heretofore been lost, to assure correct shading and depth. The personal Tone Control permits you to select treble or bass emphasis at will. The result is true beauty of tone which will delight the most discriminating listener. Furthermore, a full 3 watts undistorted output is developed.

• **Brilliantly Engineered Circuit.** R.C.A. and Hazeltine licensed, the Superhet circuit of the **Knight 7** incorporates every desirable feature. Includes heavy-duty 3 gang condenser with pre-selector stage; Continuously Variable Tone Control; full Automatic Volume Control; new single-unit pre-assembled coil system; triple filtering; shielded circuit components, etc. Latest Raytheon tubes are used as follows: 6A7 as Det.-Osc., 6D6 as I.F. Amp., 76 as Diode Det.-A.V.C., 75 as 1st Audio; 42 as Power Output, 80 as Rectifier, 6U5 as Electric Eye. These efficient types account for the strong power and long-distance range of the **Knight 7 Tube All-Wave Radio.** They assure full and faithful reproduction of every program from near or far.

• **World-Wide Tuning Range.** The 1938 **Knight 7** tunes the world in three full bands, continuous (no gaps or skips) from 16 to 550 meters. The 16-52 meter band covers foreign and domestic Short Wave stations efficiently and reliably; 52-175 meters covers Ships-at-Sea, Airplanes, Amateurs, and Police; and 175-550 meters tunes enjoyable coast-to-coast American and Canadian stations. A twirl of the dial of this amazing new **Knight** brings the whole world of radio into your home.

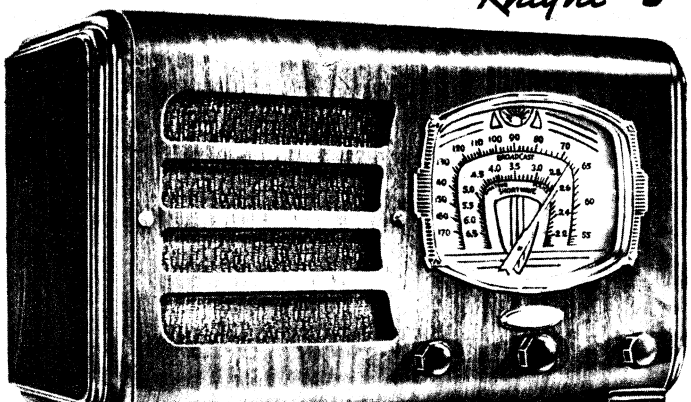
• **New Easy-to-Tune Dial.** New full-vision, pillow-shaped airplane dial measures 6¼"x 7⅜"; gold-faced and edge-illuminated. Large, easy-to-read numerals are etched on a pleasing gold background. Each channel is clearly marked and accurately calibrated for quick reference. The Electric Eye is incorporated conveniently in the dial face for fullest utility.

• **Modern Table Cabinet.** 1938 in styling and execution. Top, front, and bottom are shaped from a single piece of selected grain walnut. Grille is scroll-cut from panel; protruding base mounts neatly set off front face. The entire cabinet is hand-rubbed and highly polished to a gleaming finish. Size: 19"x11⅛"x 10". Well-suited for bookshelf, table, or desk.

• **Set Complete.** The **Knight 7 Tube 3 Band A.C. Superhet** is supplied complete with Raytheon matched tubes and full 6⅝" dynamic speaker. For operation from 110 volts, 60 cycles A.C. Shipping weight: 23 lbs. Code: STATE.

B10535. Retail Value, $57.50. **NET PRICE EACH, $27.45. YOUR PRICE, LOTS OF 3, EACH..... $25.95**

Knight 5 TUBE A. C. SUPERHET



2 BANDS: 16-51; 175-550 METERS

An almost unbelievable "buy" at **ALLIED'S** low price! Check the features of this new **Knight 5 Tube Dual Wave Receiver;** note our money-saving price, and you'll wonder how **ALLIED** can do it. The 1938 **Knight 5 Tube A.C. Superhet** has the features of sets costing twice as much. Extra utility tuning range, realistic tone quality, generous reserve power, and latest refinements—that's real value!

• **3 Band Utility.** The **Knight 5** is practically an All-Wave receiver. Its tuning range covers 16 to 51 meters and 175-550 meters for reception of everything on the air that's interesting and important. The Short Wave band from 16-51 meters tunes Amateur, Aviation, and Police calls, plus the always enjoyable 49 meter Foreign program channel. 175 to 550 meters covers upper Police wave bands and all standard Broadcast American and Canadian stations. This is actual three-band efficiency.

• **New Gold-Faced Dial.** An unusually attractive gold-faced, pillow-shaped airplane dial. Measures 5¼"x4¼". Fully illuminated from all sides. Upper scale is clearly calibrated in kilocycles for Broadcast band; lower in megacycles for Short Wave.

• **R.C.A. and Hazeltine Licensed Circuit.** New Superhet carefully engineered circuit uses latest Raytheon tubes: 6A7 as Det.-Osc.; 6D6 as I.F. Amp.; 75 as Det.-A.V.C.-1st Audio; 41 as Power Output; 80 as Rectifier. Each tube contributes effectively to the powerful undistorted output to develop actual 7 tube utility and performance. A special 465 K.C. wavetrap circuit is also incorporated; prevents code interference on Broadcast band. Full Automatic Volume Control maintains uniform volume level.

• **Delightful Tone.** New heavy-duty 6" dynamic speaker affords highest quality reproduction of all programs. Its rich, smooth tone is startling in such a low-priced receiver. The **Knight 5** is a joy to listen to.

• The 1938 **Knight 5 Tube A.C. Superhet** in table cabinet, complete with 6" Speaker and Raytheon tubes; for 110 volts, 60 cycles A.C. Shpg. wt., 15 lbs. Code: PLATE.

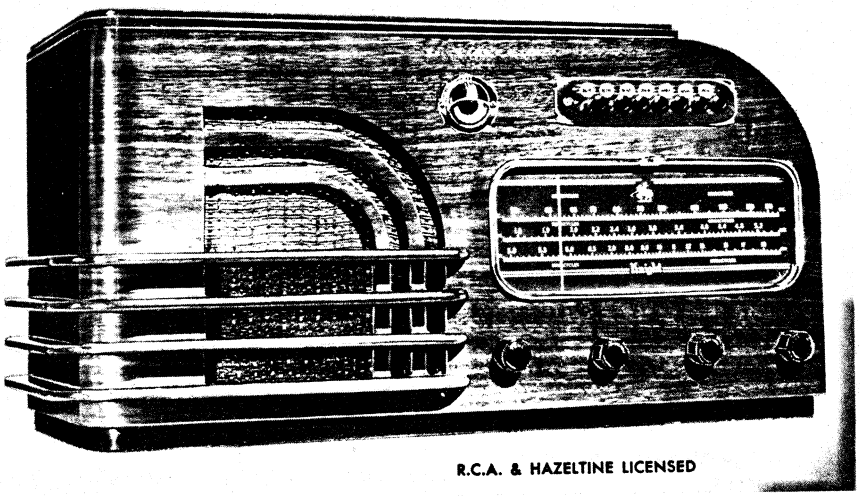
B10536. Retail Value, $37.50. **NET EACH, $17.95. YOUR PRICE, LOTS OF 3, EACH... $16.45**

• **Handsome New Cabinet.** The 1938 **Knight 5** is presented in a very attractive "laydown" table cabinet styled right up to the minute. Sweeping roll-top, front face, and bottom are of lustrous grained walnut set off with shaped sides and fluted base mounts. Pleasing grille cut-out lends horizontal emphasis with bar effect. Cabinet dimensions: 15⅛x9x8 inches. Just the right size for a shelf in your bookcase, an end table, or a mantel.

- 3 BAND UTILITY
- LARGE AIRPLANE DIAL
- SPECIAL WAVETRAP
- FULL A.V.C. ACTION
- 6" DYNAMIC SPEAKER
- HIGH-GAIN OUTPUT

WITH THE NEW 1938

PUSH-BUTTON



R.C.A. & HAZELTINE LICENSED

Selectronic

AUTOMATIC DIAL

- 10" SLIDE-RULE DIAL
- ELECTRIC EYE
- TONE CONTROL
- FULL A.V.C. ACTION
- 6½" DYNAMIC SPEAKER
- WORLD-WIDE RANGE
- FULL 3 WATTS OUTPUT

$27.35 EACH IN LOTS OF 3

Knight 6 TUBE 3 BAND A. C. SUPERHET

Now you can enjoy Automatic Push-Button tuning in a table model radio at a really popular price! This convenient new way of tuning your station simply by pushing a single button has been available before only in expensive console model receivers. The new Selectronic Automatic Dial is combined with other outstanding new features in this new 1938 **Knight 6 Tube 3 Band A.C. Superhet** to bring advanced radio performance at a price any one can afford. We invite you to compare the **Knight 6** with other makes because we know this new receiver out-performs them all.

• **Co-ordinated Automatic Tuning.** The amazing new Selectronic Dial, new 10" Slide-Rule scale, and Electric Eye—combine to provide the utmost in tuning convenience. The Selectronic Dial consists of 7 push-buttons: 6 station buttons and 1 station "clearer." Just push a button—there's your station! Tunes right on the head every time! Selectronic Tuning is unusually simple. The six selected stations are set once by easily accessible trimmer condensers and will operate thereafter without further adjustment. Provision is made for inserting the desired station call-letters above each button. Regular tuning is also revolutionized in the **Knight 6** by the new 10" Slide-Rule horizontal dial with vertical travelling pointer. Has three separate scales for standard Broadcast, Medium Wave, and Short Wave stations. You know exactly which band you're tuning with this new, sensible kind of dial. Each scale is of equal length—stations are s-p-r-e-a-d out for quicker logging. Electric Eye—the modern visual tuning aid—further simplifies station selection. When the Selectronic Dial is not in use, the Electric Eye helps you to tune accurately, the visual way.

• **Powerful Superhet Circuit.** Using the latest types of Raytheon tubes in an R.C.A. and Hazeltine licensed Superhet circuit, the **Knight 6** develops remarkable power and distance reach. Includes: 6A8 as Det.-Osc.; 6D6 as I.F. Amp.; 6Q7 as 2nd Det.-A.V.C.-1st Audio; 41 as Power Output; 80 as Rectifier; and 6G5 as Electric Eye. All circuit components are carefully selected and matched for "balanced" radio performance. Other developments are: full Automatic Volume Control to maintain steady volume level; personal Tone Control to permit personal emphasis of bass or treble; full rubber-floated tuning condenser for greatest selectivity; Litz-wound coils for maximum sensitivity, etc.

• **All-Wave, World-Wide Reception.** Travel the airlanes from your easy chair. Tuning range from 17 to 560 meters leaves no gaps. Tunes 17-55 meters for Short Wave foreign and domestic stations; 55-185 meters for Ships-at-Sea, Airplanes, Amateurs and Police Calls; and 185-560 meters for unusually dependable standard Broadcast American and Canadian reception. Every band is alive with entertainment.

• **Rich, Vital Tone.** Enjoy the life-like voice of the **Knight 6.** The 41 Power Output stage develops a full 3 watts output which is clearly and faithfully handled by the full 6½" dynamic speaker. Adequate baffle area brings you all the nuances and overtones.

• **Ultra-Modern Table Cabinet.** A most appropriate complement to this ultra-modern receiver. A gorgeous creation with walnut top and sides; front panel and left side of one-piece horizontally-striped walnut with striking "roll" effect. Streamlined protruding speaker grille louvres. Contrasting toned base. Entire cabinet rubbed to a piano finish. Here's a cabinet to be proud of—a radio worth cheering about. Size: 23½"x12"x10¼".

• **The Knight 6 Tube All-Wave Band A.C. Superhet** complete with speaker and Raytheon tubes. For 110 volts, 60 cycles A.C. Shipping weight: 22 pounds. Code: HOUSE.

B10514. Retail Value, $59.95. **NET PRICE EACH, $28.85. YOUR PRICE, LOTS OF 3, EACH $27.35**

(For efficient aerial, see page 99)

Knight 5 TUBE 2 BAND A. C. SUPERHET

TUNES 47-130; 174-550 METERS

We've outdone ourselves to bring you this sensational offering—a 1938 designed **Knight 5 Tube 2 Band A.C. Superhet,** built up to a standard, yet priced extraordinarily low! From cabinet to circuit components this new radio fairly shouts "Value." It has the features of sets at double the price! 3 Band efficiency, full 3 Watts output, rare tonal beauty, easy-to-read square airplane dial, full dynamic speaker, and new Superhet circuit. Check these:

• **3 Band Utility.** Tunes two full bands—47-130 meters for Short Wave police, aviation, and amateur calls, in addition to the thrilling 49 meter Foreign Short Wave band; and 174-550 meters to cover upper police channels and amazingly powerful reception of American and Canadian standard Broadcast programs. This is practically 3 Band reception—and the **Knight 5** performs powerfully on both ranges.

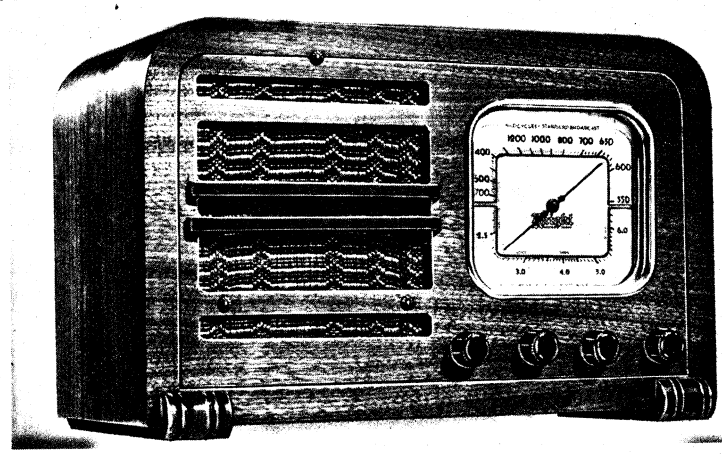
• **3 Watts Output.** Latest R.C.A. tubes in a new R.C.A. and Hazeltine licensed Superhet circuit develop full 3 watts power output: 6A7 as Mod.-Osc.; 6D6 as I.F. Amp.; 75 as Det.-A.V.C.-1st Audio; 41 as Power Output; and 80 as Rectifier. 5 tubes do the work of 7.

• **Striking Tone Quality.** Latest heavy-duty 6" dynamic speaker selected and matched, provides finest acoustical response. Enjoyable realism of tone is further achieved through personal Tone Control which permits accentuation of bass or treble. Volume level, too, is constantly controlled by full Automatic Volume Control.

• **New Airplane Dial.** The latest type of airplane dial—4½" in size and edge-lighted—makes tuning easy and convenient. Clearly calibrated in kilocycles on Broadcast band, in megacycles on Short Wave band. Dial is full-vision type and is exceptionally attractive.

• **Set Complete.** The **Knight 5** is offered complete in table cabinet with 6" speaker and R.C.A. tubes. For 110 volts, 60 cycles A.C.
Shipping weight: 15 lbs.
Code: CABIN.

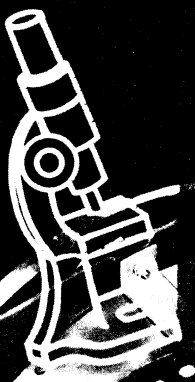
B10563. Retail Value, $35.00. **NET EACH, $16.95. YOUR PRICE, LOTS OF 3, EACH... $16.25**



- 3 BAND EFFICIENCY
- WITH TONE CONTROL
- 3 WATTS OUTPUT
- FULL A.V.C. ACTION
- 4½" AIRPLANE DIAL
- 6" DYNAMIC SPEAKER

• **Unusually Attractive Cabinet.** Gracefully proportioned, this new cabinet is "correct" for any interior. Choice walnut woods are used throughout. Has roll-top effect at sides and top, horizontally grained front panel, and graceful, routed base mounts. Horizontal grille bars and single all-around routing line enhance the appearance. Dimensions: 14½x8¾x7 inches. This truly beautiful table model radio will lend distinction to any home background and give splendid performance.

Let's LOOK at a Knight RADIO



Look inside the cabinet of any KNIGHT radio, and you see a clean-cut, sturdy, ship-shape chassis—the heart of a quality radio set. Licensed by the world's foremost radio laboratories, R.C.A. and Hazeltine, the circuit of each KNIGHT radio incorporates radio's outstanding engineering achievements. Every part used in each KNIGHT radio has been carefully selected, rigorously tested, and perfectly matched. Finally, skillful workmanship blends these elements to produce a balanced radio of unsurpassable quality, performance and tonal beauty.

There is more value and more profit for you in the 1938 KNIGHT sets. ALLIED is America's most efficient distributor of radio sets, because expensive advertising campaigns, costly selling methods, and wasteful overhead costs have no place in ALLIED'S merchandising plan. The savings thus effected are passed directly on to you. That is why KNIGHT radios sell for so much less. That is why this year—as always—KNIGHT radios give you *most* for your money.

61 GREAT NEW 1938 MODELS

A Radio for Every Purse and Purpose

MORE VALUE—MORE PROFIT FOR YOU!

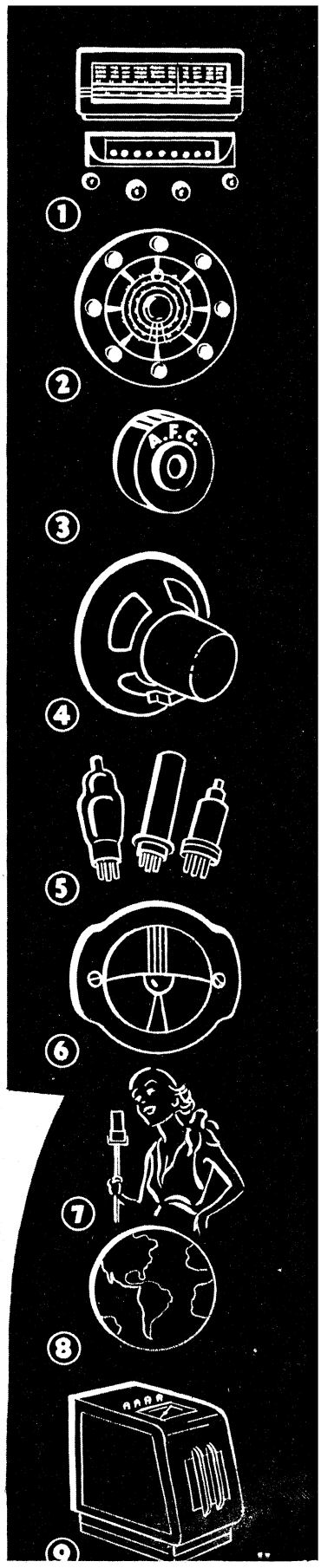
Skyrocketing beyond all previous records—the demand for *KNIGHT* Radios is sure to hit a new high for 1938! What's the magic—what's the secret behind this phenomenal sales success? The answer is—there's no magic—there's no secret—there is only the most honest merchandising in the world behind every *KNIGHT* Radio. Ours is a simple formula—the only successful one in the long run: (1) Build the best radios money can buy; (2) Sell with minimum distribution cost and overhead expense; (3) Achieve enormous sales volume by selling at bottom prices. It is this formula that brings you radio's biggest values and profit-making opportunities.

The new 1938 *KNIGHT* Radios give you more for your money in every way: performance, tone, beauty, and features. These quality receivers cost just as much to make as the most expensive sets. Every *KNIGHT* Radio is built of the finest materials. Each component part has been carefully selected, matched, and pre-tested for durability and efficiency. Brilliant engineering, skilled craftsmanship, and rigorous production standards result in the finest radios you can buy. But, because *KNIGHT* Radios sell for so much less, each one of the 61 great new 1938 models offers more value—more profit for you! In 1938 you'll save, you'll profit with *KNIGHT!*

Exclusive 1938 Knight Features!

The latest developments of the foremost radio engineers have been incorporated in the new *KNIGHT* 1938 models. These receivers have been styled with an eye toward the future. The technical perfection of every *KNIGHT* Radio is matched by the latest cabinets distinguished for graceful, pleasing beauty and master-built construction. The 1938 *KNIGHT* Radios demonstrate again that only *ALLIED* can offer you the highest quality radios with the finest new features—at the lowest prices.

1. **Select-O-Matic Push-Button Tuning.** Amazing! Revolutionary! Push a button and there's your station! Tunes 8 stations in 8 seconds—electrically, instantly, perfectly. The finest, genuinely automatic tuning device in 1938 radios. Combined with 9" slide-rule tuning scale for perfect tuning.
2. **Select-O-Dial Tuning.** New automatic station-selector—a de luxe feature—offered for the first time in popular-priced *KNIGHT* Radios. Simple, convenient, precise.
3. **Automatic Frequency Control.** For the first time at popular prices. "Snaps" your program into perfect focus—you can't tune "off-tone." This is one of radio's very latest and finest features.
4. **New Full-Voiced Speakers.** Latest powerful electro-dynamics in AC and AC-DC models; new special alloy P.M. dynamic types in battery models. The finest speakers made. Perfectly matched with each receiver for finest tone.
5. **Newest Tube Types.** Perfected metal, glass, and octal-glass tubes are specially selected for each circuit. Each type is correctly used for greatest efficiency.
6. **Electric Eye.** Shows you visually when your station is perfectly tuned. Eliminates guess-work and noisy tuning.
7. **Broadcast Studio Tone Quality.** A constant characteristic of all 1938 *KNIGHT* Radios. Every effort has been made in both circuit design and speaker matching to assure a full rich fidelity of tone on all programs at any volume level.
8. **World-Wide Range.** All *KNIGHT* 3-Band Radios tune the whole wide world—powerfully, dependably, with full tuning ease. *KNIGHT* 3-Band Radios bring you fascinating entertainment.
9. **New Chairside Cabinets.** Beautiful, practical, and convenient. Bring your radio set to your side. Tune at your ease—luxuriously, comfortably.



TO HELP YOU SELL KNIGHT RADIOS



Sell more *KNIGHT* Radios with this attractive and valuable Retail Sales Folder. Write for sample copies. Shows illustrations and descriptions of all *KNIGHT* models with list prices only. A real sales-promoter! We'll imprint your own business name and address at nominal cost. Make bigger profits selling 1938 *KNIGHT* Quality Radios.

NOTE: Practically every *KNIGHT* AC Radio is available with special transformer equipment for 95-230 Volts, 25-60 cycles operation at slight additional cost. Write for quotations.

NOTE: For quick shipment and safe delivery, we recommend that all radio receivers be ordered shipped by express. See page 142 for handy table of express rates or consult your local express

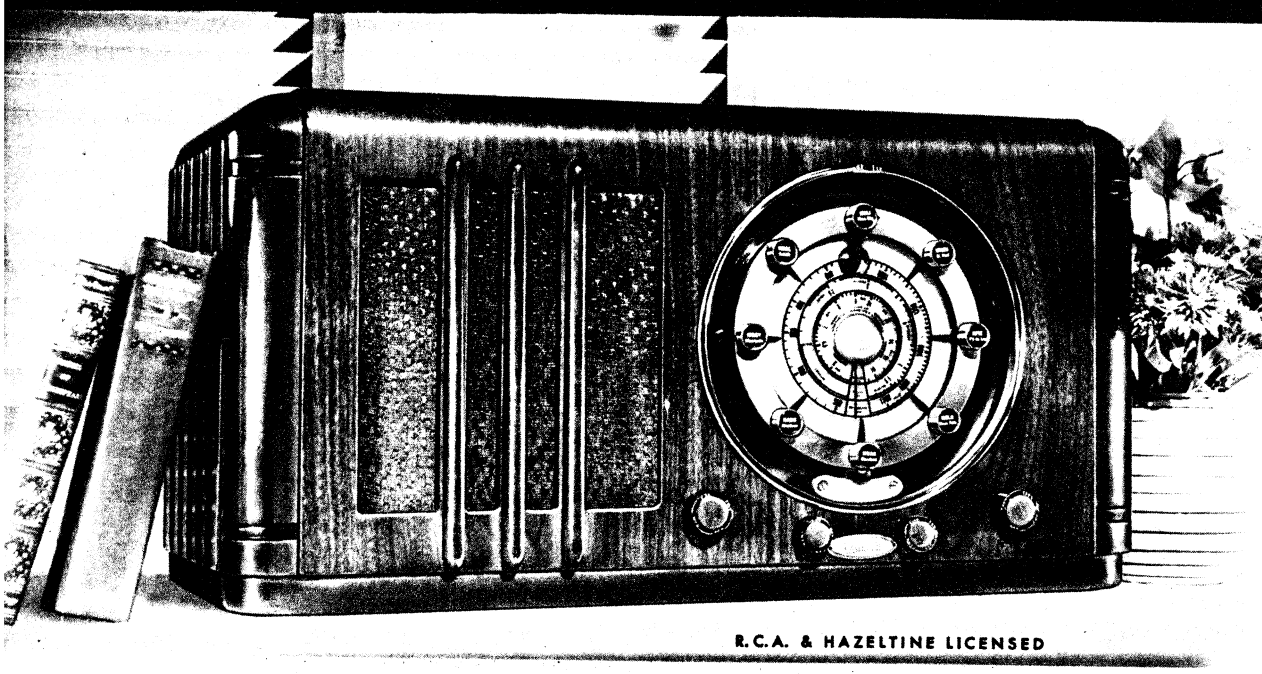


Guarantee

Any *KNIGHT* Radio that does not satisfy completely, if returned within 15 days after purchase, will be promptly adjusted by exchange, repair or full refund, less transportation charges. Furthermore, every *KNIGHT* Radio is also covered by the Radio Manufacturers' Association Guarantee against defects in materials or workmanship over a period of three months from date of purchase.

—**ALLIED RADIO CORP.**

Knight 8 TUBE ALL-WAVE A. C. SUPERHET



R.C.A. & HAZELTINE LICENSED

The new 1938 **Knight All-Wave 8 Tube A.C. Superhet** in table model, with Automatic Select-o-Dial, complete with 8" speaker and R.C.A. tubes. For operation on 110 volts, 60 cycles A.C. Shpg. wt., 32 lbs. Code: CLEFT.

B10565.
Retail Value, $72.50.
NET PRICE EACH, $34.75.
YOUR PRICE, LOTS OF 3, EACH..... **$33.25**

(For efficient aerial, see page 99.)

When we say that this new 1938 **Knight All-Wave 8 Tube A.C. Superhet** is the greatest radio "buy" to come your way in years, we mean just that. Here is an unbeatable performer—priced far below its real value! Read every word of our description for proof and then add the outstanding beauty of the table model cabinet to which no illustration can do justice—and the vibrant tonal quality and power which no words can accurately describe—and you'll get the full picture of this outstanding radio.

• Automatic Select-o-Dial. The new 1938 **Knight 8** tunes your favorite stations automatically, with true ease and precision. The call letters of any ten popular stations can be inserted in the automatic tuning disc buttons. Just place a finger on the name of the station you want to tune—spin the wheel down to the stop point—and there—you're tuned in instantly and perfectly. It's as easy as pointing a finger! Any one can adjust Automatic Tuning in the **Knight 8**, regardless of location. Call letters of all U.S. stations are included in tab form and any ten favorites you desire to tune automatically may be inserted in a few seconds. The regular manual dial may be used, of course, for additional domestic and foreign stations.

8 TUBE CHASSIS MODEL

The 1938 **Knight 8 Tube A.C. Superhet** with Automatic Tuning is also available in chassis form. Includes all of the features found in the table, console and armchair models described on this page and on page 13. Includes: 3 Band coverage from 16 to 550 Meters; Automatic Select-o-dial; Electric Eye; Automatic Volume Control; Tone Control; 7 Watts Output; 12" Dynamic Speaker; Preselector; 3 Gang Condenser; Wave Band Indicator; Doublet Antenna Connection; etc. A 1938 radio chassis in every detail of design and construction. Beautifully built along generous lines. Size: 13" x 9¼" x 8". Supplied complete with full 12" Electro-dynamic speaker and R.C.A. tubes. Automatic Select-o-Dial mechanism and escutcheon (8" diameter) are included. For operation from 110 volts, 60 cycles A.C. Shpg. wt., 20lbs. Code: STAMP.

B10566.
Retail Value, $68.50.
NET PRICE EACH, $32.75.
YOUR PRICE, LOTS OF 3, EACH... **$30.25**

- **Automatic Tuning**
- **With Tone Control**
- **Electric Eye**
- **3 Full Bands**
- **Full A.V.C. Action**
- **Preselector Stage**
- **Bass Compensation**
- **7 Watts Output**
- **3 Gang Condenser**

• World-Wide Range. Tour the World! Travel the air-lanes any time with the 1938 **Knight 8 Tube All-Wave A.C. Superhet!** Its powerful three band coverage tunes everything on the air from 16 to 550 Meters. The 16-52 Meter band covers thrilling Short Wave foreign programs; the 51-175 Meter band tunes police, amateur, airplane calls, and ships-at-sea; the 175-550 Meter band brings you powerful standard Broadcast reception from all of America and Canada.

• Giant New Dial. In addition to true Automatic Tuning, the 1938 **Knight 8** has a regular large 6¼-inch full-vision illuminated airplane dial with three easy-to-read tuning ranges. Each band is separately and clearly indicated: Broadcast channels are calibrated in kilocycles; Short Wave bands are in megacycles with popular channels clearly designated. Has a wave-band indicator.

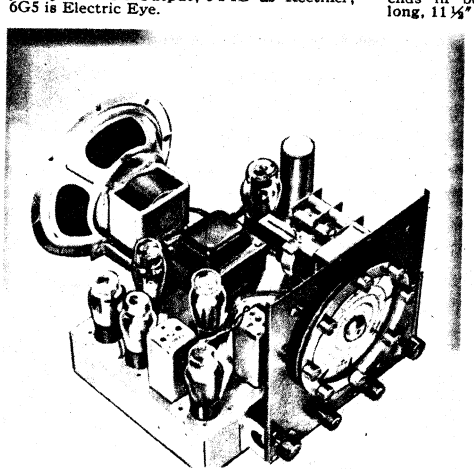
• 7 Watts Output. The **Knight All-Wave 8** provides a giant output of 7 watts for splendid tone performance and reserve power. This power is handled as flawless tone by the large 8-inch Electro-dynamic speaker.

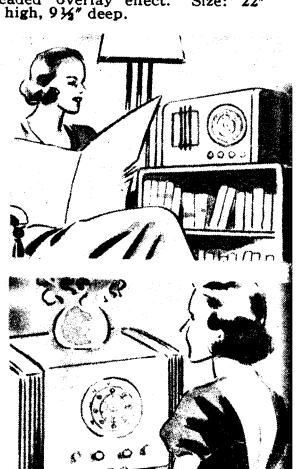
• A Superb Circuit. A brilliantly engineered 1938 R.C.A. and Hazeltine licensed circuit is used in the **Knight 8.** The following tubes are employed: 6A8G as Osc.-Mod.; 6K7G as I.F. Amp.; 6Q7G as Det.-A.V.C.-1st Audio; 6C5G as Phase Inverter; 2—6K6G as push-pull Audio Output; 5V4G as Rectifier; 6G5 is Electric Eye.

• Other Features: Full Automatic Volume Control—maintains steady volume level on all bands. Variable Tone Control—permits personal selection of bass or treble emphasis. R.F. Preselection—assures greater sensitivity and stronger signal pickup. Electric Eye—the visual way to perfect tuning; you "see" when your program is perfectly tuned. Bass Compensation — assures correct reproduction of both bass and treble frequencies at any volume level. 3 Gang Condenser—assures sharper, more selective tuning. Wave Band Indicator—for more convenient band location. 8-inch Electro-dynamic Speaker—the finest that can be used — powerful and true-toned. Also—doublet antenna connection; rubber-floated chassis and tuning condenser. These fine features combine to produce powerful World-wide reception and rich, life-like tone—the best you can get in radio.

• Wonderful Tone. The 1938 **Knight 8** reproduces the full range of voice and music with amazing fidelity and brilliant clarity. It offers you unlimited enjoyment on all programs—whether it is a symphony from overseas or a popular domestic program!

• Handsome Table Model. Up-to-the-minute in design and styling. Instrument panel and top are of one-piece vertically-grained walnut with beautiful roll-top effect. Sides are gracefully curved with attractive ends in beaded overlay effect. Size: 22" long, 11½" high, 9½" deep.





with AUTOMATIC SELECT-O-DIAL

KNIGHT 8 TUBE CONSOLE MODEL

The 1938 **Knight All-Wave 8** with Automatic Select-o-Dial is available in a luxurious new console cabinet of more than distinguished beauty. The instrument panel and top are of one-piece matched walnut, choicely grained with graceful "rolled" effect. The side pilasters are correctly and gracefully curved and are likewise of select walnut, horizontally-striped. The tops of the pilasters and sides have an attractive beaded trim in the most modern vogue. The entire console is hand-rubbed to a lustrous piano finish. Measures 40½" high, 25½" wide, 13" deep. Here is one of the most successful and beautiful console designs ever built. In beauty of woods used, in superb proportion, in fine finish and in correct acoustical properties, it has few rivals.

• The new **Knight 8** represents the last word in radio beauty coupled with outstanding performance. It is unbeatable for ease of tuning; the Automatic Select-o-Dial is uncannily accurate and simple to operate. Anyone can tune it perfectly. For world-wide reception, also, the 1938 **Knight 8** is without a peer. It offers continuous radio enjoyment of the entire range from 16 to 550 meters. Add the host of other advantageous radio features found in this marvelous 1938 receiver, and you get the utmost in radio pleasure: 7 Watts Output, 12" Electro-dynamic Speaker, Electric Eye; Tone Control; Full A.V.C.; Bass Compensation; 3 Gang Condenser; Preselector; Doublet Connection; Wave Band Indicator, etc. Compare the 1938 **Knight 8**, feature for feature, with any new 1938 receiver and you will find out for yourself that only **Knight** offers you the utmost in radio value. We're back of this new set 100%—because we know that for outstanding excellence, the **Knight 8** is a "buy" that can't be matched.

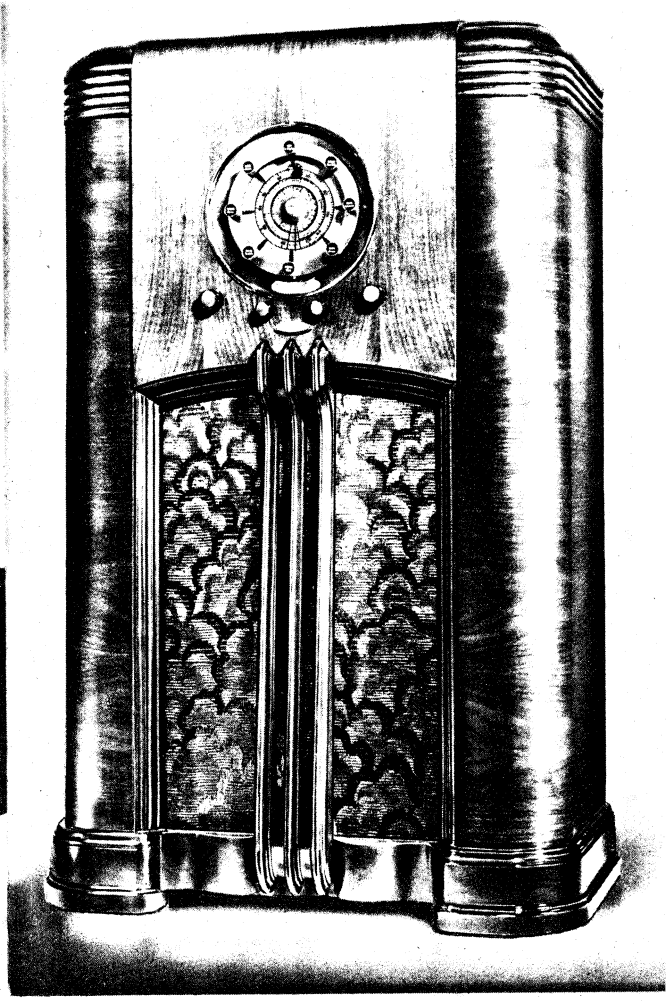
The **Knight 8 Tube All-Wave Superhet** with Automatic Select-o-Dial is offered in console illustrated at right, complete with 12" speaker and R.C.A. tubes. For 110 volts, 60 cycles A.C. operation. Shpg. wt., 65 lbs. Code: ROTOR.

$44.95

B10567. Retail Value, $99.50.
NET PRICE EACH, $47.50.
YOUR PRICE, LOTS OF 3, EACH.....

(For efficient aerial, see page 99.)





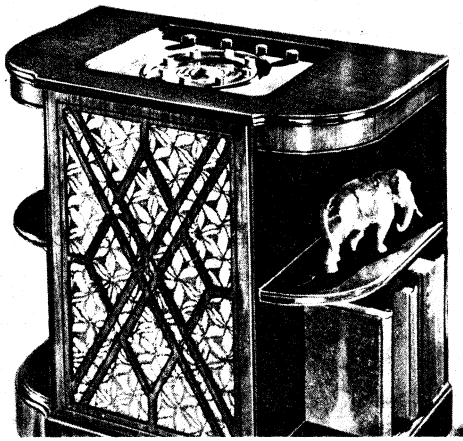
KNIGHT 8 TUBE ARMCHAIR MODEL

Here is the very latest in radio comfort, beauty and convenience—the 1938 **Knight All-Wave 8 Superhet** with Automatic Tuning in a modern armchair model. Placed next to easy chair or sofa, this new model makes the ideal radio for sheer comfort, convenience and grace. The dial and controls are set right in the table top to provide the utmost tuning convenience. You can operate the receiver without getting up. The **Knight 8** Armchair Model cabinet is beautifully designed and splendidly built. The top is of select walnut as is the attractively designed speaker grille face. Handy shelves of graceful design are provided to hold books, pottery, smoking accessories, etc. The design of this Armchair model also lends it for pleasing use as a commode-piece against a wall. The size is: 23" high, 26" wide, 14½" deep. The **Knight 8** Armchair Model has all of the features found in the table, chassis and console models. Includes: Automatic Select-o-Dial for quick, easy and accurate tuning; World-wide Range for enjoyable radio reception on three full bands from 16-550 meters; Electric Eye for even greater tuning ease and accuracy; Tone Control for personal accentuation of tonal emphasis desired; A.V.C. for uniform volume maintenance; 7 Watts Output; Preselector; 3 Gang Condenser; 8" Speaker; Doublet Connection; Bass Compensation, etc. The **Knight All-Wave 8** Armchair Model comes complete with R.C.A. tubes and 8-inch speaker. For operation on 110 volts, 60 cycles, A.C. Shpg. wt., 52 lbs. Code: SWIFT.

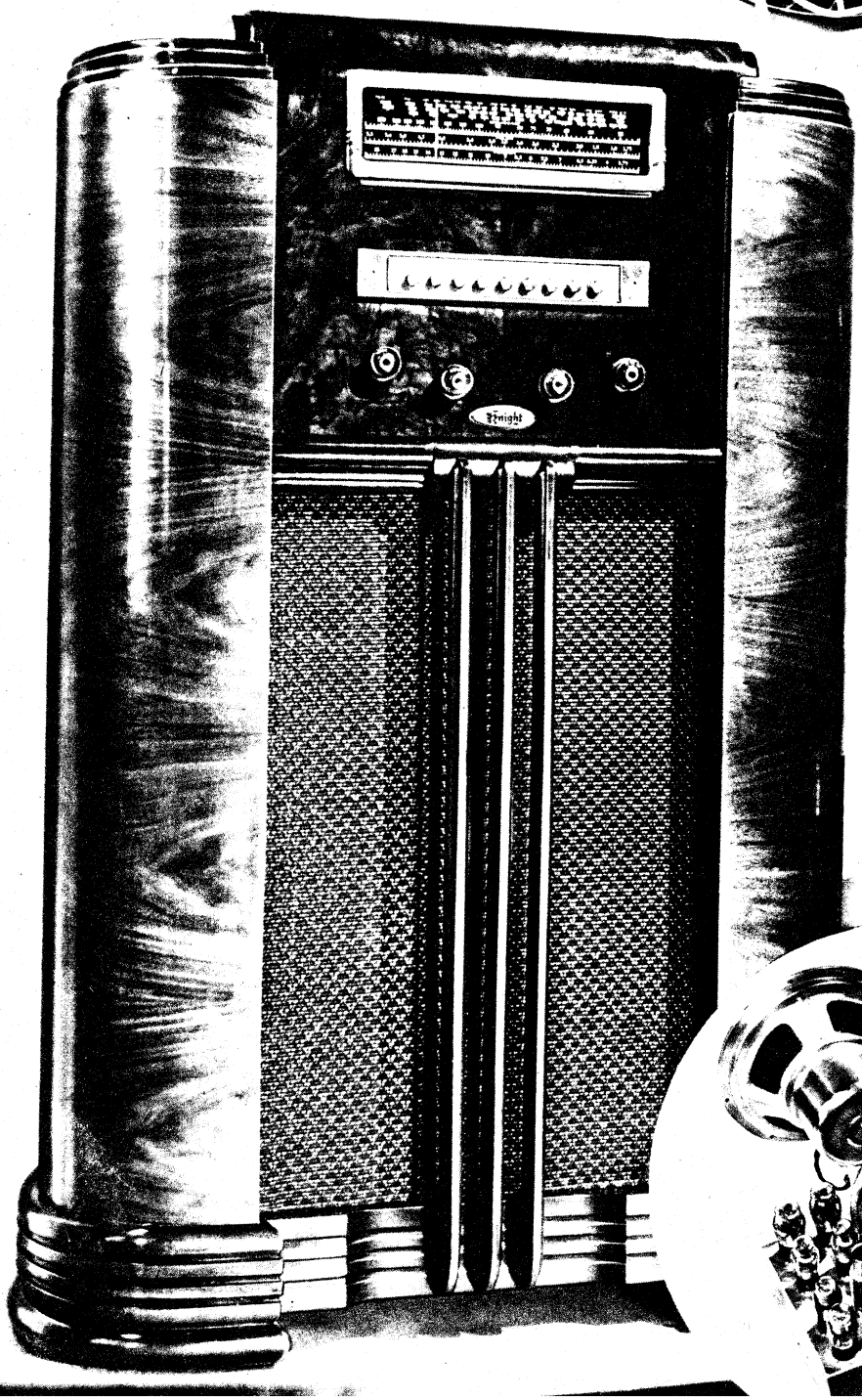
$47.50

B10568. Retail Value, $105.00.
NET PRICE EACH, $49.95.

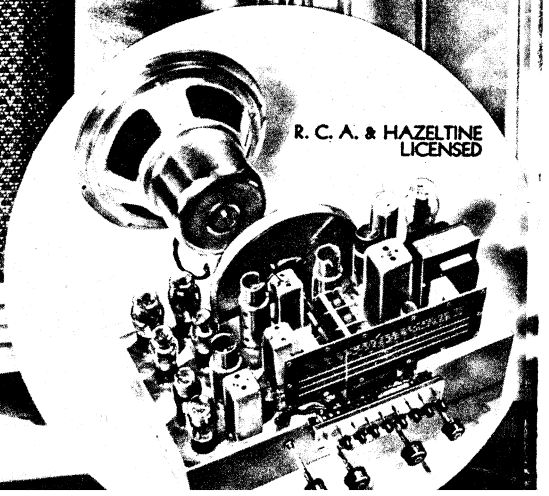
Smart New CHAIRSIDE MODEL



TRUE Automatic PUSH-BUTTON ELECTRIC TUNING







Knight 11-TUBE All-Wave A. C. SUPERHET

ONLY $54.95 EACH IN LOTS OF 3 — 1938's Sensational Value!

- Electric Tuning
- Select-o-matic Dial
- Full A.V.C. Action
- Preselector Stage
- 3 Full Bands
- 7 Watts Output
- 2 I.F. Stages
- Triple Filtering
- 12" Dynamic Speaker
- Aut. Freq. Control
- Variable Tone Control
- 3-Gang Condenser

Here is the brilliant new **Knight All-Wave 11**—the Radio leader for 1938! Here is Automatic Electric Push-Button Tuning—accurate, unfailing, simple! Here is world-wide all-wave reception—powerful, dependable, enjoyable. Here is true tone quality at its very best. Here is performance to thrill the ear and cabinet beauty to charm the eye. And here is the supreme 1938 Radio Value—America's finest low-priced 11 Tube Radio with every new and worthwhile feature.

• **WORLD-WIDE RECEPTION.** The 1938 **Knight 11** tunes everything that's broadcast. Its complete range covers three full bands: 16-51 Meters and 51-175 Meters for powerful and dependable reception of Short Wave foreign, amateur, aviation and police calls; 175-550 Meters for magnificent long-distance reception of all American and Canadian standard Broadcast. Into this splendid receiver is incorporated every new and advantageous radio feature for 1938.

• **ELECTRIC TUNING.** Tunes your favorite stations automatically at the touch of a button with absolute ease and precision. Eight station-selecting buttons are provided which can be set to any eight favorite preselected stations on the broadcast band. Just press the button you want—and there's your program — automatically, instantly, electrically! You can tune eight stations in less than eight seconds. A child can do it! And anyone can adjust Electric Automatic Tuning in the **Knight 11**, regardless of location. Here is the new miracle in radio tuning—the simplest and most efficient automatic tuning device ever developed. There's nothing better in easy, accurate tuning than the Electric Push-Button System used in the 1938 **Knight 11!**

• **SELECT-O-MATIC DIAL.** In addition to Electric Automatic Tuning, the **Knight 11** has a regular full-vision dial of entirely new design. This dial is a large easy-to-read rectangle (9" long) showing three horizontal scales of equal length, one for each band, making each range easy to read and to tune. The broadcast band has all popular and powerful U. S. station call-letters clearly indicated for quick and easy tuning. The short wave bands are calibrated in megacycles. A vertical pointer travels horizontally over the entire length of the scale. The entire dial is beautifully framed by a satin-gold finish escutcheon.

• **AUTOMATIC FREQUENCY CONTROL.** Found only in the finest 1938 radio receiver. AFC used in the Electric Tuning Circuit shifts the **Knight 11** automatically into hairline tuning for absolutely perfect tone and keeps it in precise tune. With Automatic Electric Tuning and AFC, you simply can't tune "off-tone."

• **A CIRCUIT OF MATCHLESS EFFICIENCY.** The very latest tubes are used for maximum performance in the R.C.A. and Hazeltine licensed circuit of the **Knight 11.** They are employed as follows: 6A8G as Det.-Osc.; 6K7G as 1st I.F.; 6K7G as 2nd I.F.; 6J5G as 1st Audio; 6J5G as Phase Inverter; 6J5G as 2nd Det.-A.V.C.; 6J5G as AFC channel discriminator; 6J7G as AFC Control; 2—6F6G as push-pull Pentode output; 5Z3 as rectifier. Each tube contributes splendidly to develop full power and accurate tonal reproduction. You will note the very real difference in power and tone the minute you hear the 1938 **Knight 11** in action—tuning the whole wide world of radio gloriously, bringing you a new concept of radio enjoyment.

• **ADDITIONAL FEATURES.** Other advanced features found in the 1938 **Knight 11 Superhet** include: Full Automatic Volume Control for uniform volume on all stations; Continuously Variable Tone Control for accurate personal emphasis of tonal frequency to meet individual desire; Double-tuned I.F.s for amazingly increased sensitivity; R.F. pre-selector for added stability; rubber-floated 3-gang tuning condenser of extra-heavy construction for sharp selectivity; push-pull pentode output for full 7 watts undistorted output; giant 12-inch Auditorium Electro-dynamic speaker for high-fidelity tonal reproduction; special triple-filter system for absolute freedom from hum; statically-shielded power transformer of generous design; large chassis with wide safety margins built into quality components.

• **BEAUTIFUL 1938 CONSOLE.** The **Knight 11** is presented in a splendid new cabinet creation with top, front and sides of genuine walnut. Top and instrument panel are of a single piece of beautifully figured butt walnut with rolled-top effect. Sides are gracefully curved and made of choice rotary-cut walnut with matched graining. Recessed grille is covered with gold cloth fronted by three vertical walnut posts. Size: 42" high, 27" wide, 13" deep.

• **CONSOLE MODEL COMPLETE.** The **Knight 11 All-Wave A.C. Superhet** is offered complete in console as illustrated, with 12" dynamic speaker and R.C.A. tubes. For 110 volts, 60 cycles A.C. operation. America's lowest-priced Electric Tuning radio. Shipping weight, 73 lbs. Code: ADORN.

B10537. Retail Value, $122.50.
NET PRICE EACH, $58.95.
YOUR PRICE, IN LOTS OF 3, EACH **$54.95**

(For efficient aerial, see listing on page 99.)

BROADCAST STUDIO TONE



Perfect tuning—perfect broadcast studio tone quality is a constant feature of the performance of the new 1938 **Knight 11.** Every latest development known to radio engineering is incorporated to assure thrilling, enjoyable reception. Here is the ultimate in luxurious radio entertainment.

PUSH-BUTTON TUNING



An exclusive 1938 feature! Just touch a button and any one of your eight favorite stations is tuned in **electrically**—instantly, unerringly, automatically. Absolutely practical, thoroughly-tested—fool-proof! And the regular new Select-o-matic Dial, too, is amazingly efficient and practical, the finest yet developed.

12 IN. DYNAMIC SPEAKER



Rich, enjoyable high-fidelity tone is consistently reproduced by the giant new 12-inch Electro-dynamic speaker used in the 1938 **Knight 11.** More sensitive, more powerful, more faithful, this speaker is responsible for the full rich tone-depth evident in every program tuned by this fine set.

WIDE-RANGE RESPONSE



Faithful tonal reproduction is constantly evident in the performance of the 1938 **Knight 11.** Bass frequencies as well as treble are retained with full depth and vibrant reality. Triple-filtering and Variable Tone Control further enhance and enrich the tone of the **Knight 11.**

TUNES THE WORLD



The 1938 **Knight 11** is one of the most powerful and far-reaching Superhet radios ever developed. Tuning coverage encompasses three full continuous bands from 16 to 550 meters assuring always dependable Short Wave from all over the world and amazingly powerful Broadcast band reception.

KNIGHT 11 TUBE CHASSIS

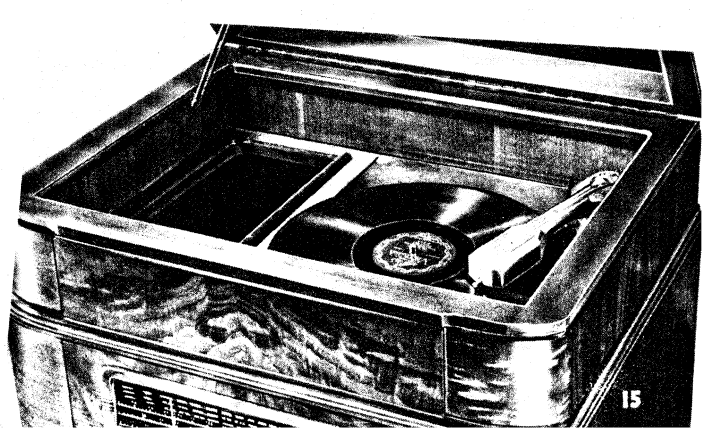
The **Knight 11 Tube All-Wave Superhet** with Electric Tuning is also available in de luxe chassis form as illustrated on page 14. Includes features as described: 3 Band World-Wide Range; Electric Tuning; Select-o-matic Dial; A.F.C.; A.V.C.; Tone Control; 12" Speaker; 2 stages I.F.; Preselector; 3-gang condenser; 7 watts output, etc. Full-sized; measures 19" wide, 11" deep, 11¾" high. Complete with Automatic Tuning and dial mechanism, 12" speaker and R.C.A. tubes. For 110 volts, 60 cycles, A.C. Shpg. wt., 38 lbs. Code: SOLAR.

B10538. Retail Value, $94.50.
NET PRICE EACH, $44.95.
YOUR PRICE, IN LOTS OF 3, EACH **$42.45**

11 TUBE PHONO COMBINATION

For music-lovers who want the best in tonal performance, the **Knight 11** is also offered in a new phono-radio combination. This distinguished instrument, equipped with Packard automatic record changer, offers the whole world of finest musical entertainment. It employs the de luxe chassis described above to provide powerful World-Wide radio reception, rich, full-bodied tone and superb all-around performance. Perfect reproduction of recordings is assured by the high-grade pick-up, silent powerful phono-motor and automatic record changer. Records are played through the radio amplifying circuit with high-fidelity tone. Plays eight 10" records or seven 12" records automatically. Full 7 watts output provides perfect amplification of the most delicate nuances and overtones through the Auditorium 12 inch dynamic speaker. The **Knight 11** Phono-Combination includes all the features described above—Electric Push-Button Tuning, Tone Control, A.V.C., 3 Band Coverage, A.F.C., Triple Filtering, Preselector Stage, 3 Gang Condenser, etc. A quality musical instrument in every respect—both on radio and phonograph. For operation from 110 volts, 60 cycles A.C. De luxe cabinet measures: 42"x 18"x 26"; has hinged lid. Shipping weight, 95 lbs. Code: WALTZ.

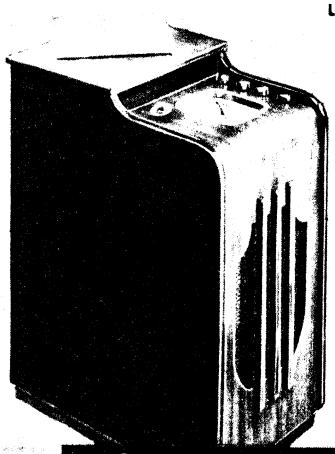
B10539.
Retail Value, $225.00.
NET PRICE EACH **$107.50**



1938 Armchair Models

Knight 6 TUBE 2 BAND A.C. SUPERHET

R.C.A. AND HAZELTINE LICENSED



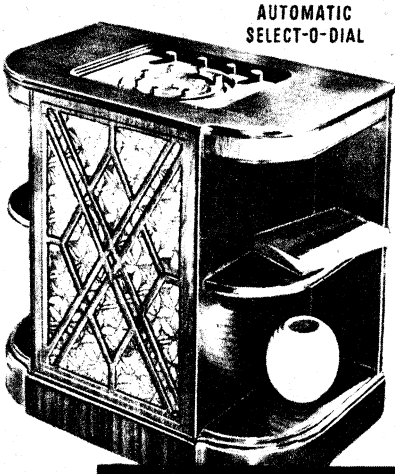
Here is a charming new 1938 chair-side radio model at an amazingly low price. This new **Knight A. C. 6** offers the utmost convenience in radio tuning coupled with enjoyable radio entertainment. It can be placed next to chair or sofa and tuned in comfort and ease. Has these outstanding features:

- **2 Full Bands.** Tunes 47 to 130 Meters for the most popular Short Wave programs; includes the popular 49 meter foreign band. Covers 174 to 550 Meters for all American and Canadian standard Broadcast. You actually get the advantage of three band reception on these wave bands.
- **Electric Eye.** The accurate cathode-ray Tuning Eye is used in the **Knight 6.** Assures precise visual tuning; when the shaded portion of the Eye is narrowest, you are tuned in perfectly. Avoids noisy and inaccurate tuning.
- **4½ Inch Dial.** Latest edge-lighted type. Easy to tune. Shows two easy-to-read scales—one calibrated in kilocycles for Broadcast, the other marked in megacycles for Short Wave. Popular Short Wave channels are clearly indicated.
- **6″ Dynamic Speaker.** Full-sized; noted for faithful response and fine volume-handling capacity. Renders both voice and music with astonishing fidelity. Handles the large 3 watts output of the circuit with enjoyable fullness and depth.
- **Tone Control.** Continuously variable Tone Control is used in the **Knight 6.** Permits emphasis of bass or treble response to suit personal taste. Adds considerably to the outstanding tonal beauty of **Knight 6** performance. A big extra-value feature found generally only in much higher-priced sets.
- **Latest Circuit.** The R.C.A. and Hazeltine licensed Superhet circuit of the **Knight 6** uses the following tubes: 6A7, 6D6, 75, 41, 80, 6G5. Other features include: Automatic Volume Control; 6 tuned circuits; rubber-floated tuning condenser, etc.
- **Beautiful Chair-side Cabinet.** The **Knight 6** Armchair Model cabinet is built along pleasing lines. Has instrument and speaker panel of one-piece vertically-grained walnut. Size: 23″ high, 18″ deep, 11¼″ wide.
- **Armchair Model Complete.** The **Knight 6** Armchair Model is offered complete as illustrated with 6-inch dynamic speaker and R.C.A. tubes.

For 110 volts, 60 cycles A. C. Shpg. wt., 32 lbs. Code: ROBIN.
B10570. Retail Value, $59.95.
NET PRICE EACH, $28.75.
NET PRICE, LOTS OF 3, EACH **$27.35**
(See page 6 for more detailed description of the 1938 **Knight 6.**)

Knight 7 TUBE 3 BAND A.C. SUPERHET

WITH NEW AUTOMATIC SELECT-O-DIAL



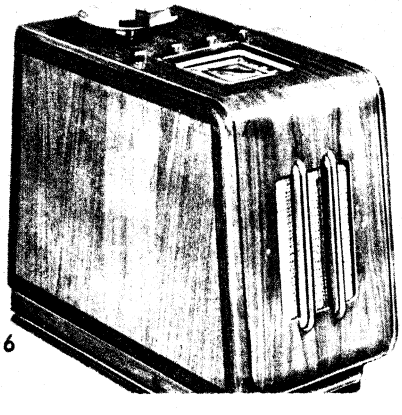
This 1938 **Knight 7 Tube All-Wave A.C. Superhet** is beautifully presented in one of the most graceful chair-side models made today. Brilliantly designed for use anywhere in the home—by the side of chair or sofa—as wall piece, etc. Practical as well as beautiful. The cabinet has a matched walnut top and a charming grille of walnut. Convenient shelves are built in to accommodate books or decorative pieces. The armchair model measures 23″ high, 14¼″ deep, 24″ wide. One of the finest radio values of the year. Just check these features:

- **World-Wide Range.** Tunes 16 to 52 Meters for World-wide Short Wave reception; 52 to 174 Meters for Short Wave police, amateur, ship and airplane signals; and 174 to 550 Meters for upper police channels and all American and Canadian standard Broadcast reception. Tunes everything that's broadcast.
- **Automatic Tuning.** The 1938 **Knight 7** tunes ten of your favorite stations automatically. The Select-o-Dial provides a button for each favorite station. Just put your finger on the button you want, swing the tuning wheel down to the stop point—and there's your station, tuned in instantly, perfectly! It's as easy as pointing.
- **Giant Dial.** In addition to true Automatic Tuning, the **Knight 7** has a regular large full-vision illuminated dial. Each band is separately and clearly calibrated with all popular channels indicated. The built-in Teleye for visual tuning is an added feature.
- **A Superb Circuit:** A brilliantly-engineered R.C.A. and Hazeltine licensed Superhet circuit is used in the **Knight 7.** Latest tubes are used: 6A7 as Osc.-Mod.; 6D6 as I.F. Amp.; 76 as Det.-A.V.C.; 75 as 1st Audio; 41 as Audio Output; 80 as Rectifier; 6G5 is Electric Eye.
- **Added Features.** The **Knight 7** incorporates these additional outstanding features: Electric Eye for visual accurate tuning; Tone Control for bass or treble emphasis as desired; A.V.C. for maintenance of uniform volume on all programs; 8-inch Electro-dynamic speaker for flawless tonal reproduction; 3 watts undistorted output; doublet antenna connection; rubber-floated tuning condenser; 6 tuned circuits on each band, etc.
- **Armchair Model Complete.** The **Knight 7** Armchair Model is offered complete as described with 8-inch dynamic speaker and R.C.A. tubes.

For 110 volts, 60 cycles A. C. Shpg. wt., 52 lbs. Code: BRAND.
B10572. Retail Value, $87.50.
NET PRICE EACH, $41.75.
NET PRICE, LOTS OF 3, EACH **$39.50**
(See inside back cover for more detailed description.)

Knight 9 TUBE 3 BAND A.C. SUPERHET

R.C.A. AND HAZELTINE LICENSED



Here is a de luxe 1938 **Knight 9 Tube All-Wave A.C.** Armchair Model. Luxuriously built of choice matched walnut woods; designed for the utmost convenience and tuning luxury. The ideal chair-side radio model offered for the first time at so low a price. The **Knight 9** is housed in a beautifully built cabinet. The instrument panel and grille are of one-piece vertically striped walnut with roll-effect. The sides are of matched walnut woods, luxuriously grained and beautifully finished. Size: 25½″ high, 22½″ long, 14¼″ wide. Here is the utmost in radio beauty coupled with outstanding radio performance and the following features:

- **World-Wide Range.** Tunes 17 to 52 Meters and 52 to 172 Meters for all Short Wave foreign, police, amateur and aviation signals; 172 to 555 Meters for standard Broadcast of all American and Canadian stations.
- **Giant 6″ x 8″ Dial.** A new 1938 feature. Each band is generously spread out for the utmost ease in tuning. An Electric Eye is included with the dial to show you visually when you are tuned in perfectly.
- **8 Watts Output.** Developed by a powerful push-pull output stage using two of the latest 6F6 tubes. This wonderful output is faithfully reproduced through the full 10-inch Electro-dynamic speaker which is perfectly matched to the receiver. The tonal performance of the **Knight 9** is thrillingly faithful and enjoyable on all programs.
- **A Remarkable Circuit.** The following latest type tubes are used in the circuit of the 1938 **Knight 9:** 1—6A8; 2—6K7; 1—6Q7; 1—6C5; 2—6F6; 1—5Y3; 1—6G5. Outstanding additional features are: Bass Compensated Volume Control for full-range reproduction of both bass and treble at any volume level; full A.V.C. for uniform volume; Tone Control for any tonal accentuation desired; new Uni-Coil System for stability; R.F. preamplifier; 3 gang rubber-cushioned condenser, etc.
- **Armchair Model Complete.** The **Knight 9 All-Wave A.C. Superhet** is offered in the Armchair Model illustrated, complete with 10-inch dynamic speaker and Raytheon tubes. For 110 volts, 60 cycles A. C.

Shpg. wt., 65 lbs. Code: GLOBE.
B10515. Retail Value, $94.50.
NET PRICE EACH, $45.50.
NET PRICE, LOTS OF 3, EACH **$43.25**
(See page 160 for more detailed description of the 1938 **Knight 9.**)



RCA RADIOTRON TUBES

R.C.A.-Radiotron Tubes are always the standard for dependable performance and superb operating efficiency. They enjoy a tremendous consumer acceptance and are the most widely demanded tubes sold today. They represent a good, steady source of profit for the dealer who stocks them. All R.C.A.-Radiotron tubes are sold in attractive factory-sealed cartons to assure your trade of brand-new perfect tubes in original packages, tested for quality, just as they left the factory. This method of packing builds good-will and sales. R.C.A.-Radiotron Tubes represent full value. They give longer life, heat quicker, and have better tone quality together with unusual uniformity and stability of operation. WE CARRY THE COMPLETE LINE OF R.C.A. TUBES IN STOCK AT ALL TIMES.

EXTRA QUANTITY DISCOUNTS

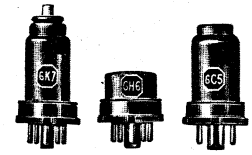
You can earn bigger profits by buying RCA tubes in quantities. We give you a special 50% discount from the list prices shown below, when you order 25 or more RCA-Radiotron tubes on one order. For example, if the list price of your tube order amounts to $20, your net cost will be 50% less, or $10. RCA tubes are always in demand. Round out your stock and increase your profit on every tube sale. You can easily select 25 fast-moving tubes from our listing below for bigger discounts and profits.

STANDARD GLASS TYPE TUBES

Type	No.	List	NET
00A	B100	2.25	1.22
01A	B101	.75	.41
1A4	B160	1.75	.95
1A6	B161	1.75	.95
1B4	B162	2.25	1.22
1B5	B163	1.25	.68
1C6	B164	1.75	.95
1F4	B165	1.50	.81
1F6	B166	2.25	1.22
1V	B103	1.10	.59
2A3	B167	2.50	1.35
2A5	B168	1.20	.65
2A6	B169	1.20	.65
2A7	B170	1.50	.81
2B7	B171	1.60	.86
5Z3	B172	1.10	.59
6A4/LA	B174	1.50	.81
6A6	B175	1.60	.86
6A7	B176	1.40	.76
6B7	B178	1.50	.81
6C6	B179	1.20	.65
6D6	B180	1.20	.65
6E5	B181	1.50	.81
6F7	B183	1.75	.95
6G5	B184	1.50	.81
6N5	B191	1.75	.95
10	B104	2.75	1.49
12A7	B186	2.25	1.22
12Z8	B187	1.35	.73
15	B108	2.25	1.22
19	B109	1.25	.68
20	B110	2.25	1.22
22	B111	1.75	.95
24A	B112	1.00	.54
25Z5	B188	1.25	.68
26	B113	.70	.38
27	B114	.80	.43
30	B115	1.00	.54
31	B116	.90	.49
32	B117	1.75	.95
33	B118	1.35	.73
34	B119	1.75	.95
35	B120	1.10	.59
36	B121	1.10	.59
37	B122	.90	.49
38	B123	1.25	.68
39/44	B124	1.25	.68
40	B125	1.00	.54
41	B126	1.10	.59
42	B127	1.20	.65
43	B128	1.40	.76
45	B130	.90	.49
46	B131	1.50	.81
47	B132	1.50	.81
48	B133	3.50	1.89
49	B134	1.25	.68
50	B135	2.50	1.35
53	B138	1.75	.95
55	B139	1.50	.81
56	B140	.80	.43
57	B141	1.25	.68
58	B142	1.25	.68
59	B143	2.00	1.08
71A	B144	.90	.49
75	B145	1.10	.59
76	B146	.80	.43
77	B147	1.35	.73
78	B148	1.20	.65
79	B149	1.50	.81
80	B150	.70	.38
81	B151	2.25	1.22
82	B152	1.50	.81
83	B153	1.60	.86
83V	B154	2.25	1.22
84/6Z4	B155	1.60	.86
85	B156	1.20	.65
89	B157	1.50	.81
V99	B158	1.50	.81
X99	B159	1.50	.81
112A	B107	.90	.49
WD11	B105	2.25	1.22
WX12	B106	2.25	1.22
874	B193	4.00	2.75
876	B194	6.50	4.50
886	B195	8.00	6.00

ALL-METAL TYPE TUBES

Designed by General Electric; developed and manufactured by R.C.A.-Radiotron. The new metal tubes feature unusual sturdiness, self-shielding, quiet operation, better short wave results, new octal base, self-aligning plug and key, etc. The new metal tubes are not directly interchangeable with conventional glass tube types. We carry all metal type R.C.A. tubes in stock constantly.



Type	No.	List	NET
5T4	B261	2.50	1.35
5W4	B262	1.00	.54
5Z4	B263	2.00	1.08
6A8	B264	1.50	.81
6B8	B265	1.75	.95
6C5	B266	1.25	.68
6F5	B267	1.25	.68
6F6	B268	1.35	.73
6H6	B269	1.25	.68
6J7	B270	1.50	.81
6K7	B271	1.35	.73
6L6	B272	2.25	1.22
6L7	B273	1.75	.95
6N7	B274	1.75	.95
6Q7	B275	1.35	.73
6R7	B276	1.35	.73
6X5	B278	1.50	.81
25A6	B279	1.50	.81
25L6	B280	2.25	1.22
25Z6	B281	1.50	.81

B388. METAL TUBE CHARACTERISTICS BOOKLET. Contains valuable information, including pin arrangements, covering new metal tubes. **NET**..... **10c**

OCTAL BASE GLASS TUBES

Glass types with same characteristics as new metal tubes.

Type	No.	List	NET
1C7G	B201	2.25	1.22
1D5G	B202	2.25	1.22
1D7G	B203	1.75	.95
1E5G	B204	2.25	1.22
1E7G	B205	2.75	1.49
1F5G	B206	2.25	1.22
1F7G	B207	2.25	1.22
1H4G	B209	1.00	.54
1H6G	B210	1.75	.95
1J6G	B212	1.35	.73
5U4G	B213	1.50	.81
5V4G	B214	2.35	1.27
5X4G	B216	1.50	.81
5Y3G	B217	1.00	.54
5Y4G	B218	1.00	.54
6A8G	B221	1.50	.81
6B8G	B224	1.75	.95
6C5G	B225	1.25	.68
6D8G	B227	2.25	1.22
6F5G	B228	1.25	.68
6F6G	B229	1.35	.73
6H6G	B230	1.25	.68
6J5G	B231	1.35	.73
6J7G	B232	1.50	.81
6K5G	B233	1.35	.73
6K6G	B234	1.35	.73
6K7G	B235	1.35	.73
6L5G	B236	2.25	1.22
6L6G	B237	2.50	1.35
6L7G	B238	1.75	.95
6N7G	B241	1.75	.95
6Q7G	B243	1.35	.73
6R7G	B244	1.35	.73
6S7G	B245	2.25	1.22
6T7G	B246	2.25	1.22
6V6G	B248	1.75	.95
6X5G	B251	1.60	.86
25A6G	B255	1.50	.81
25B6G	B257	1.75	.95
25L6G	B258	2.25	1.22
25Z6G	B259	1.50	.81

FREE TUBE SALES AIDS

B391. DUMMY CARTONS. 25 R.C.A. display tube cartons **free** with tube order.
B392. DECALCOMANIA. 3 color window sign **free** with order for R.C.A. tubes.
B393. PRICE CARDS. Shows list prices for all R.C.A. tubes. **Free** with tube order.
B394. O. K. TAGS. For completed repair jobs; 10 **free** with order for R.C.A. tubes.

R. C. A. TUBE MANUAL

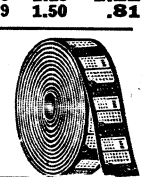
B395. Complete technical specs for all R.C.A. receiving type tubes. **FREE** with order for 25 R.C.A. tubes or, if bought separately... **25c**

R. C. A. PINDEX

B396. Pocket slide rule which gives essential information about tubes, pins, etc. **FREE** with order for 25 R.C.A. tubes, or sold for.... **25c**

TUBE TEST STICKERS

A roll of 2,000 perforated gummed labels, 1¼" x 1⅜". Imprinted with your name, address and city; has space to mark date and tube condition. Print your name plainly on order.
B390. NET.... **$1.00**



RAYTHEON RADIO TUBES

RAYTHEON shows you the way to bigger tube profits. Handle this money-making line which offers you amazingly **BIG DISCOUNTS** and a powerful sales appeal. RAYTHEON tubes are noted for quality and have an outstanding reputation for long life, silent operation and brilliant tonal reproduction. For better results and for sure customer satisfaction and good-will, use RAYTHEON tubes for replacements in all radio sets.

Backed by extensive advertising, RAYTHEON Tubes enjoy a tremendous consumer demand. In addition, they come packed in attractive factory-sealed cartons to protect your customers and to assure you of fresh new stock. There is a RAYTHEON tube for every set requirement. Stock this popular sales- and profit-building tube line. **WE CARRY THE COMPLETE LINE OF RAYTHEON TUBES IN STOCK AT ALL TIMES. DEPEND ON ALLIED!**

SPECIAL DISCOUNTS

Buy Raytheon tubes in quantities for added profits. In lots of 25 or more, we give you a special discount of 50 and 5% from the list prices shown. For example, if the list price of your tube order amounts to $20.00, your net price at this special discount is $9.50. Build your order to 25 or more tubes and earn extra profits!

LOW PRICES • LIBERAL DISCOUNTS

ALL STANDARD GLASS TYPE TUBES

Type	No.	List	NET
00A	B400	2.25	1.18
01A	B401	.75	.39
1A4	B460	1.75	.92
1A6	B461	1.75	.92
1B4	B462	2.25	1.18
1B5	B463	1.25	.65
1C6	B464	1.75	.92
1F4	B465	1.50	.78
1F6	B466	2.25	1.18
1V	B403	1.10	.57
2A3	B467	2.50	1.30
2A5	B468	1.20	.62
2A6	B469	1.20	.62
2A7	B470	1.50	.78
2B7	B471	1.60	.83
2E5	B490	1.50	.78
5Z3	B472	1.10	.57
6A3	B473	2.00	1.03
6A4	B474	1.50	.78
6AB5	B492	1.75	.92
6A6	B475	1.60	.83
6A7	B476	1.40	.73
6B5	B477	2.25	1.18
6B7	B478	1.50	.78
6C6	B479	1.20	.62
6D6	B480	1.20	.62
6E5	B481	1.50	.78
6E6	B482	2.00	1.03
6F7	B483	1.75	.92
6G5	B484	1.50	.78
6N5	B491	1.75	.92
6T5	B496	1.50	.78
6U5	B497	1.50	.78
6Z4	B455	1.60	.83
12A5	B485	2.25	1.18
12A7	B486	2.25	1.18
12Z3	B487	1.35	.70
25Z5	B488	1.25	.65
10	B404	2.75	1.42
12A	B407	.90	.47
15	B408	2.25	1.18
19	B409	1.25	.65
20	B410	2.25	1.18
22	B411	1.75	.91
24A	B412	1.00	.52
26	B413	.70	.36
27	B414	.80	.41
30	B415	1.00	.52
31	B416	.90	.47
32	B417	1.75	.92
33	B418	1.35	.70
34	B419	1.75	.92
35	B420	1.10	.57
36	B421	1.10	.57
37	B422	.90	.47
38	B423	1.25	.65
39	B424	1.25	.65
40	B425	1.00	.52
41	B426	1.10	.57
42	B427	1.20	.62
43	B428	1.40	.73
44	B424	1.25	.65
45	B430	.90	.47
46	B431	1.50	.78
47	B432	1.50	.78
48	B433	3.50	1.81
49	B434	1.25	.65
50	B435	2.50	1.30
51	B420	1.10	.57
52	B437	2.00	1.03
53	B438	1.75	.92
55	B439	1.50	.78
56	B440	.80	.41
57	B441	1.25	.65
58	B442	1.25	.65
59	B443	2.00	1.03
71A	B444	.90	.47
75	B445	1.10	.57
76	B446	.80	.41
77	B447	1.35	.70
78	B448	1.20	.62
79	B449	1.50	.78
80	B450	.70	.36
81	B451	2.25	1.18
82	B452	1.50	.78
83	B453	1.60	.83
83V	B454	2.25	1.18
84	B455	1.60	.83
85	B456	1.20	.62
89	B457	1.50	.78
V99	B458	1.50	.78
X99	B459	1.50	.78
182B	B624	2.00	1.03
183	B625	2.00	1.03
485	B626	2.00	1.03
950	B498	2.25	1.18
951	B499	2.25	1.18
WD11	B405	2.25	1.18
WX12	B406	2.25	1.18
BA	B620	7.50	4.20
BH	B621	4.65	2.65
BR	B622	2.75	1.42
LA	B474	1.50	.78

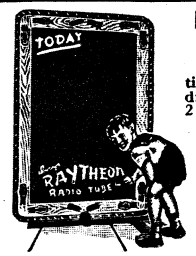
MERCHANDISING AIDS TO INCREASE YOUR TUBE PROFITS

Raytheon offers you, through ALLIED, some of the finest merchandising aids ever produced to promote the sale of tubes. These consist of attractive, new attention-arresting window displays, dummy cartons for display purposes, booklets containing valuable information, quick reference price cards showing interchangeable tube types, repair tickets, etc. Get these sales-stimulating helps, and put them to work selling tubes for you. They were all designed for just that purpose.

RAYTHEON HELPS YOU SELL

With your next order for Raytheon tubes, ask to be placed on the Raytheon mailing list. This will bring you timely sales aids, window displays, etc. It will pay you to "push" the fast-selling profit-building Raytheon line.

With your next tube order, ask for the **free** copy of the complete **Raytheon Sales Aids Catalog.** Shows you what materials are available and how to secure them. Ask for **Raytheon Sales Aids Catalog** under number B699.



NEW WINDOW DISPLAYS

An unusually attractive blackboard window display measuring a full 2 feet wide by 2½ feet high. Has ample space for your "specials" or messages. A great "attention-getter."

FREE. B695. With order for Raytheon tubes.

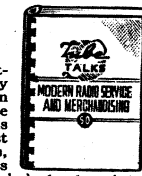
A LIVE DISPLAY

A good-looking window display which identifies you as a Raytheon dealer. Enables you to get your share of profits from Raytheon's tremendous national advertising. Shows Serviceman testing tubes. Has sign reading: "Dependable Service Work." Size, 2 feet wide by 2½ feet high.

B696 FREE. With tube order.



RAYTHEON TUBE TALKS



This very valuable profit-building book was carefully prepared by the Raytheon sales engineers to stimulate YOUR tube sales. Contains 46 pages which tell you just how to merchandise tubes, where to look for business and how to get it. The book is clearly printed on high-grade paper and bound in a stiff fibre cover with aluminum spiral back. Also contains the tube complement for practically every radio receiver. Really will help you sell Raytheon tubes because it reflects the best selling experience of thousands of radio dealers. A helpful book that will pay for itself many times over.

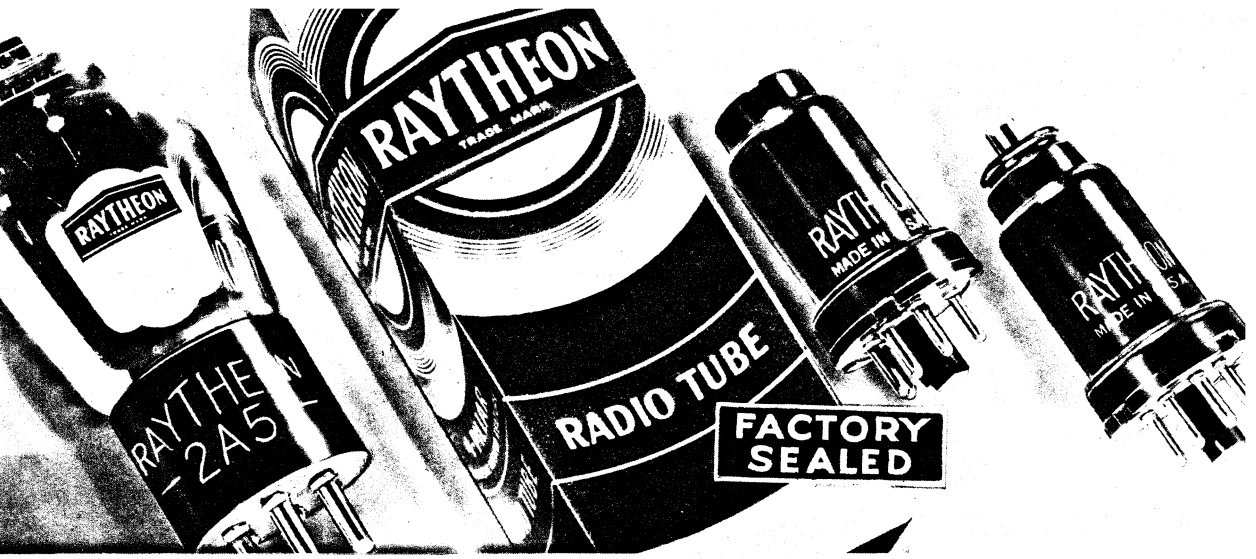
B697. NET..... **50c**

DEALER PRICE CARDS

Latest handy reference dealer price list card for all Raytheon tubes. Shows interchangeable tube types. Indicates popular replacement types. Given Free with order for Raytheon tubes.

B698. FREE. Request on next order.

MAKE ALLIED YOUR RADIO HEADQUARTERS



METAL TYPE TUBES

RAYTHEON offers a complete line of the new all-metal tubes. Made entirely of metal; self-shielded and sturdy. With octal base and special stud which makes insertion of tube into socket very easy. Not directly interchangeable with conventional glass tube types. We stock all types.

Type	No.	List	NET
0Z4	B560	1.50	.78
5T4	B561	2.50	1.30
5W4	B562	1.00	.52
5Z4	B563	2.00	1.03
6A8	B564	1.50	.78
6B8	B565	1.75	.92
6C5	B566	1.25	.65
6F5	B567	1.25	.65
6F6	B568	1.35	.70
6H6	B569	1.25	.65
6J7	B570	1.50	.78
6K7	B571	1.35	.70
6L6	B572	2.25	1.18
6L7	B573	1.75	.92
6N7	B574	1.75	.92
6Q7	B575	1.35	.70
6R7	B576	1.35	.70
6V6	B577	1.75	.92
6X5	B578	1.50	.78
25A6	B579	1.50	.78
25L6	B580	2.25	1.18
25Z6	B581	1.50	.78

SPECIAL MAJESTIC SHIELDED TUBES

Type	No.	List	NET
24S	B590	1.50	.78
27S	B591	1.10	.57
35S	B592	1.50	.78
51S	B592	1.50	.78
55S	B593	1.75	.92
56AS	B594	1.35	.70
56S	B595	1.35	.70
57S	B596	1.75	.92
57AS	B597	1.75	.92
58S	B598	1.75	.92
58AS	B599	1.75	.92
75S	B600	1.75	.92
85AS	B601	1.75	.92
2A7S	B602	2.30	1.20
2B7S	B603	2.30	1.20
6A7S	B604	2.30	1.20
6B7S	B605	2.30	1.20
6C7	B606	2.00	1.03
6D7	B607	2.00	1.03
6E7	B608	2.00	1.03
6F7S	B609	2.00	1.03
6Y5	B610	2.00	1.03
2S-4S	B611	2.75	1.42
2Z2G84	B612	2.00	1.03
6Z5	B613	2.00	1.03

OCTAL GLASS TUBES

Identical in electrical characteristics and pin connections to the all metal tubes, but made in glass. We stock all Octal types.

Type	No.	List	NET
0Z4G	B500	1.50	.78
1C7G	B501	2.25	1.18
1D5G	B502	2.25	1.18
1D7G	B503	1.75	.92
1E5G	B504	2.25	1.18
1E7G	B505	2.75	1.42
1F5G	B506	2.25	1.18
1F7G	B507	2.25	1.18
1G5G	B508	2.00	1.03
1H4G	B509	1.00	.52
1H6G	B510	1.75	.92
1J5G	B511	2.25	1.18
1J6G	B512	1.35	.70
5U4G	B513	1.50	.78
5V4G	B514	2.35	1.22
5W4G	B515	1.00	.52
5X4G	B516	1.50	.78
5Y3G	B517	1.00	.52
5Y4G	B518	1.00	.52
5Z4MG	B519	2.00	1.03
6A5G	B520	2.00	1.03
6A8G	B521	1.50	.78
6B4G	B522	2.00	1.03
6B6G	B523	1.35	.70
6B8G	B524	1.75	.92
6C5G	B525	1.25	.65
6C8G	B526	1.50	.78
6D8G	B527	2.25	1.18
6F5G	B528	1.25	.65
6F6G	B529	1.35	.70
6H6G	B530	1.25	.65
6J5G	B531	1.35	.70
6J7G	B532	1.50	.78
6K5G	B533	1.35	.70
6K6G	B534	1.35	.70
6K7G	B535	1.35	.70
6L5G	B536	2.25	1.18
6L6G	B537	2.50	1.30
6L7G	B538	1.75	.92
6N6G	B539	2.25	1.18
6N6MG	B540	2.50	1.30
6N7G	B541	1.75	.92
6P7G	B542	2.25	1.18
6Q6G	B546	2.25	1.18
6Q7G	B543	1.35	.70
6R7G	B544	1.35	.70
6S7G	B545	2.25	1.18
6T7G	B546	2.25	1.18
6U7G	B547	1.35	.70
6V6G	B548	1.75	.92
6V7G	B549	1.35	.70
6W5G	B550	1.50	.78
6X5G	B551	1.60	.83
6Y7G	B552	1.50	.78
6ZY5G	B553	1.50	.78
6Z7G	B554	1.75	.92
25A6G	B555	1.50	.78
25A7G	B556	2.25	1.18
25B6G	B557	1.75	.92
25L6G	B558	2.25	1.18
25Z6G	B559	1.50	.78

NEW RAYTHEON TUBE STICKERS



The new Raytheon tube stickers for glass tubes, have spaces for noting "Date Sold," "Date Tested," condition of tube, "Satisfactory," or "Unsatisfactory"—and space for your name. A pad of 100 is given free with your order for Raytheon tubes. (Available in pads of 2000 with your name imprinted at $1.00.)

B689. Pad of 100 with tube order. FREE.

METAL TUBE STICKERS

Attractive Raytheon stickers exactly the same as above but for metal tubes. A roll of 100 comes to you free with your order for Raytheon tubes. (Pads of 2000 tube stickers with your name imprinted are available at $1.00 per pad. Print your name plainly on order.)

B690. Pad of 100 with tube order. FREE.

REPAIR TICKETS

Consists of combination repair ticket and receipt. Contains space for name, address phone number, make and model of receiver. Perforated; one end is attached to set or chassis taken in for repairs, and detachable end is customer receipt.

B691. FREE. 50 Repair Tickets, with tube order.

GUARANTEE BLANKS

Consists of a "90 Day Radio Repair and Service Guarantee." Has space for complete description of services performed: condition of tubes, transformers, condensers, connections, wiring, etc.; and charges for parts and labor. A real business-like service card that instills confidence.

B692. FREE. 50 Guarantee Blanks, with tube order.

TECHNICAL DATA CHART



Latest edition; invaluable to every dealer and serviceman; contains complete, up-to-the-minute technical data on all Raytheon receiving tubes; new base design diagrams, and complete tube characteristics. We offer this chart free with your order for Raytheon tubes.

B693. FREE.

DUMMY CARTONS



For display purposes only. Exact replicas of the standard Raytheon tube cartons. These attractive cartons can be used for an arresting, sales stimulating display. We offer 12 dummy cartons free with your order for Raytheon tubes.

B694. FREE.

Ken-Rad RADIO TUBES



THE DEPENDABLE TUBE LINE

In the radio tube field, the name **KEN-RAD** is synonymous with dependable long life, unusual sturdiness, brilliant tone quality and full value. These uniformly dependable tubes are offered in a complete selection of glass types, metal types and metal-glass types—to meet every radio tube need.

EXTRA QUANTITY DISCOUNTS

In lots of 25 or more, we offer Ken Rad tubes at a special discount of 50 and 5% from the list prices shown. For example, if the list price of your tube order amounts to $20, your net price will be $9.50. Order your Ken-Rad tubes in lots of 25 or more and earn bigger profits.

All Ken-Rad tubes are in factory-sealed cartons for your customers' protection. We carry the complete line of Ken-Rad tubes in stock at all times. Order in quantities for extra profits. Take advantage of our quantity discount.

Type	No.	List	NET
1A4	B760	$1.75	$0.92
1A6	B761	1.75	.92
1B4	B762	2.25	1.18
1B5/25S	B763	1.25	.65
1C6	B764	1.75	.92
1F4	B765	1.50	.78
1F6	B766	2.25	1.18
2A3	B767	2.50	1.30
2A5	B768	1.20	.62
2A6	B769	1.20	.62
2A7	B770	1.50	.78
2B7	B771	1.60	.83
5Z3	B772	1.10	.57
6A3	B773	2.00	1.03
6A4	B774	1.50	.78
6A6	B775	1.60	.83
6A7	B776	1.40	.73
6B5	B777	2.25	1.18
6B7	B778	1.50	.78
6C6	B779	1.20	.62
6C7	B790	2.00	1.03
6D6	B780	1.20	.62
6D7	B791	2.00	1.03
6E5	B781	1.50	.78
6E6	B782	2.00	1.03
6E7	B792	2.00	1.03
6F7	B783	1.75	.92
6G5	B784	1.50	.78
6N5	B793	1.75	.92
6Y5	B794	2.00	1.03
6Z5	B795	2.00	1.03
12A5	B785	2.25	1.18
12A7	B786	2.25	1.18
12Z3	B787	1.35	.70
25Z5	B788	1.25	.65
01A	B701	.75	.39
1V	B703	1.10	.57
10	B704	2.75	1.42
12A	B707	.90	.47
15	B708	2.25	1.18
19	B709	1.25	.65
20	B710	2.25	1.18
22	B711	1.75	.91
24A	B712	1.00	.52
26	B713	.70	.36
27	B714	.80	.41
30	B715	1.00	.52
31	B716	.90	.47
32	B717	1.75	.92
33	B718	1.35	.70
34	B719	1.75	.92
35/51	B720	1.10	.57
36	B721	1.10	.57
37	B722	.90	.47
38	B723	1.25	.65
39/44	B724	1.25	.65
41	B726	1.10	.57
42	B727	1.20	.62
43	B728	1.40	.73
45	B730	.90	.47
46	B731	1.50	.78
47	B732	1.50	.78
48	B733	3.50	1.81
50	B735	2.50	1.30
53	B738	1.75	.92
55	B739	1.50	.78
56	B740	.80	.41
57	B741	1.25	.65
58	B742	1.25	.65
59	B743	2.00	1.03
71A	B744	.90	.47
75	B745	1.10	.57
76	B746	.80	.41
77	B747	1.35	.70
78	B748	1.20	.62
79	B749	1.50	.78
80	B750	.70	.36
81	B751	2.25	1.18
82	B752	1.50	.78
83	B753	1.60	.83
83V	B754	2.25	1.18
84	B755	1.60	.83
85	B756	1.20	.62
89	B757	1.50	.78
V99	B758	1.50	.78
X99	B759	1.50	.78
950	B798	2.25	1.18

METAL TYPES

Type	No.	List	NET
0Z4	B860	$1.50	$0.78
5T4	B861	2.50	1.30
5W4	B862	1.00	.52
5Z4	B863	2.00	1.03
6A8	B864	1.50	.78
6B8	B865	1.75	.92
6C5	B866	1.25	.65
6F5	B867	1.25	.65
6F6	B868	1.35	.70
6H6	B869	1.25	.65
6J7	B870	1.50	.78
6K7	B871	1.35	.70
6L6	B872	2.25	1.18
6L7	B873	1.75	.92
6N7	B874	1.75	.92
6Q7	B875	1.35	.70
6R7	B876	1.35	.70
6V6	B877	1.75	.92
6X5	B878	1.50	.78
25A6	B879	1.50	.78
25L6	B880	2.25	1.18
25Z6	B881	1.50	.78

OCTAL GLASS TYPES

Type	No.	List	NET
0Z4G	B800	$1.50	$0.78
1C7G	B801	2.25	1.18
1D5G	B802	2.25	1.18
1D7G	B803	1.75	.92
1E5G	B804	2.25	1.18
1E7G	B805	2.75	1.42
1F5G	B806	2.25	1.18
1F7G	B807	2.25	1.18
1G5G	B808	2.00	1.03
1H4G	B809	1.00	.52
1H6G	B810	1.75	.92
1J5G	B811	2.25	1.18
1J6G	B812	1.35	.70
5U4G	B813	1.50	.78
5V4G	B814	2.35	1.22
5X4G	B816	1.50	.78
5Y3G	B817	1.00	.52
5Y4G	B818	1.00	.52
6A8G	B821	1.50	.78
6B4G	B822	2.00	1.03
6B8G	B824	1.75	.92
6C5G	B825	1.25	.65
6C8G	B826	1.50	.78
6F5G	B828	1.25	.65
6F6G	B829	1.35	.70
6H6G	B830	1.25	.65
6J5G	B831	1.35	.70
6J7G	B832	1.50	.78
6K5G	B833	1.35	.70
6K6G	B834	1.35	.70
6K7G	B835	1.35	.70
6L5G	B836	2.25	1.18
6L6G	B837	2.50	1.30
6L7G	B838	1.75	.92
6N6G	B839	2.25	1.18
6N7G	B841	1.75	.92
6Q7G	B843	1.35	.70
6R7G	B844	1.35	.70
6S7G-	B845	2.25	1.18
6T7G	B846	2.25	1.18
6U7G	B847	1.35	.70
6V6G	B848	1.75	.92
6V7G	B849	1.35	.70
6W5G	B850	1.50	.78
6X5G	B851	1.60	.83
6Y7G	B852	1.50	.78
25A6G	B855	1.50	.78
25B6G	B857	1.75	.92
25L6G	B858	2.25	1.18
25Z6G	B859	1.50	.78

Knight RADIO TUBES



The popular **KNIGHT** line of radio tubes has been greatly enlarged to offer the most complete selection of glass type tubes as well as the latest new metal tubes. You can undersell all competition with this popular line of superior quality tubes. They are precision-built for steady, dependable performance. All **KNIGHT** Tubes are packed in factory-sealed cartons assuring perfect merchandise. Attractive, safety-first packaging, dependable quality and low price will give you big volume-building sales. Put in a stock of popular types and watch your tube profits soar. We carry the complete line of **KNIGHT** tubes in stock at all times.

KNIGHT Tubes are priced to bring you **10% to 15% BIGGER PROFITS!** Put in a stock of popular types and build real profits. We carry the complete line of **KNIGHT** Tubes in stock at all times. You can depend on **ALLIED** for real service.

Type	No.	List	NET
1A4	B960	$1.75	$0.83
1A6	B961	1.75	.83
1B4	B962	2.25	1.06
1B5	B963	1.25	.58
1C6	B964	1.75	.83
1F4	B965	1.50	.70
1F6	B966	2.25	1.06
2A3	B967	2.50	1.17
2A5	B968	1.20	.56
2A6	B969	1.20	.56
2A7	B970	1.50	.70
2B7	B971	1.60	.75
5Z3	B972	1.10	.51
6A3	B973	2.00	.93
6A4	B974	1.50	.70
6A6	B975	1.60	.75
6A7	B976	1.40	.65
6B7	B978	1.50	.70
6C6	B979	1.20	.56
6D6	B980	1.20	.56
6E5	B981	1.50	.70
6E6	B982	2.00	.93
6F7	B983	1.75	.83
6Z4	B955	1.60	.75
12A5	B985	2.25	1.06
12A7	B986	2.25	1.06
12Z3	B987	1.35	.63
25Z5	B988	1.25	.58
01A	B901	.75	.35
1V	B903	1.10	.51
10	B904	2.75	1.28
12A	B907	.90	.42
15	B908	2.25	1.06
19	B909	1.25	.58
20	B910	2.25	1.06
22	B911	1.75	.83
24A	B912	1.00	.47
26	B913	.70	.32
27	B914	.80	.37
30	B915	1.00	.47
31	B916	.90	.42
32	B917	1.75	.83
33	B918	1.35	.63
34	B919	1.75	.83
35/51	B920	1.10	.51
36	B921	1.10	.51
37	B922	.90	.42
38	B923	1.25	.58
39/44	B924	1.25	.58
41	B926	1.10	.51
42	B927	1.20	.56
43	B928	1.40	.66
45	B930	.90	.42
46	B931	1.50	.70
47	B932	1.50	.70
48	B933	3.50	1.63
49	B934	1.25	.58
50	B935	2.50	1.17
53	B938	1.75	.83
55	B939	1.50	.70
56	B940	.80	.37
57	B941	1.25	.58
58	B942	1.25	.58
59	B943	2.00	.93
71A	B944	.90	.42
75	B945	1.10	.51
76	B946	.80	.37
77	B947	1.35	.63
78	B948	1.20	.56
79	B949	1.50	.70
80	B950	.70	.32
81	B951	2.25	1.06
82	B952	1.50	.70
83	B953	1.60	.75
84	B955	1.60	.75
85	B956	1.20	.56
89	B957	1.50	.70
V99	B958	1.50	.70
X99	B959	1.50	.70

METAL TYPES

Type	No.	List	NET
0Z4	B1060	$1.50	$0.70
5W4	B1062	1.00	.47
5T4	B1061	2.50	1.17
5Z4	B1063	2.00	.93
6A8	B1064	1.50	.70
6B8	B1065	1.75	.83
6C5	B1066	1.25	.58
6F5	B1067	1.25	.58
6F6	B1068	1.35	.63
6H6	B1069	1.25	.58
6J7	B1070	1.50	.70
6K7	B1071	1.35	.63
6L6	B1072	2.25	1.06
6L7	B1073	1.75	.83
6N7	B1074	1.75	.83
6Q7	B1075	1.35	.63
6R7	B1076	1.35	.63
6V6	B1077	1.75	.83
6X5	B1078	1.50	.70
25A6	B1079	1.50	.70
25L6	B1080	2.25	1.06
25Z6	B1081	1.50	.70

TRIAD POWER TUBES

2B6 No. B1097. List, $2.50. YOUR PRICE **$1.25**

6B5 No. B1098. List, $2.25. YOUR PRICE **$1.18**

25B5 No. B1099. List, $2.25. YOUR PRICE **$1.18**

RECTIFIERS • SPECIAL TUBES • BULBS

KENRAD 6 & 12 VOLT LIGHT BULBS



G.E. licensed light bulbs of superior construction. Designed for storage battery operated lighting systems. Ideal for farms, camps, lodges, housetrailers, etc. Provide excellent light with maximum efficiency and economy.

6 VOLT LAMPS

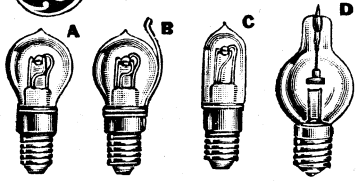
No.	Watts	Drain	EACH
B890	15	2.5 Amp.	25c
B891	25	4.2 Amp.	
B892	50	8.5 Amp.	35c

12 VOLT LAMPS

B893	15	1.3 Amp.	25c
B894	25	2.1 Amp.	
B895	50	4.2 Amp.	35c

WRITE FOR QUANTITY PRICES IN STANDARD CARTON AND CASE LOTS. For a complete listing of 6 Volt Light Plants and associated equipment, see pages 149, 150. We specialize in 6 Volt Lighting Equipment. Let us know your needs and we shall supply.

GENUINE G.E. TUNGAR BULBS



The well-known, highly efficient G.E. Tungar Bulbs. Used in many standard chargers. Will replace Rectigon bulbs of the same rating. Shpg. wt., 2 lbs. The very finest charger bulbs made. Universally famous for efficient operation and long life.

No.	Type	Fig.	NET EACH
B6440	2 Amp.	A	$2.94
B6441	2 Amp. (Top Connection)	B	
B6442	.6 Amp. List, Each, $4.00.	C	
B6443	5 Amp.	D	$4.41
B6444	6 Amp. List, Each, $6.00.	D	
B6445	15 Amp. List, Each, $12.00	D	$8.82

NEW KNIGHT RESISTANCE TUBES



New metal-shell ballast tubes for replacement in A.C.-D.C. sets. Identically the same in electrical characteristics and base connections as originals. Require no rewiring; simply remove old defective ballast tube and replace with the proper Knight Ballast tube. Sturdily built for long life. Will give proper performance.

Stock No.	Type No.	Replaces
B1030	50A2	50A2, KX49C, K49Y, 165RS, 165KC, 6B
B1031	50B2	50B2, KX49B, 165R4, 165KB, K49X, 5B
B1032	K23C	K23C
B1033	K49C	K49C
B1034	K55C	K55C
B1035	K55H	K55H
B1036	K74B	K74B
B1037	K80B	K80B
B1038	K90B	K90B
B1039	K90F	K90F
B1040	L40C	L40C, L42C, 69.2037
B1041	L42C	L42C, L40C
B1042	L49B	L49B, 2UR-224, 69.2033
B1046	L49C	L49C
B1043	L55B	L55B, 2VR-215, 8598
B1044	L55C	L55C
B1045	L55S1	L55S1
B1047	L55S2	L55S2

List, 80c. YOUR NET PRICE, EACH **29c**

FREE—Knight Glass and Metal Resistance Tube General Specifications Chart sent on request. Contains complete list of Resistance Tubes to help you find the right replacement.

GENUINE EVEREADY MAZDA BULBS



Genuine Eveready Mazda bulbs for radio and flashlight use. All have miniature screw base except those marked*. Replace burned out bulbs with these genuine Mazdas for longer bulb life. Cheaper than foreign-made bulbs in the long run. Take advantage of quantity prices and buy them in lots of ten.

RADIO PILOT LIGHT BULBS

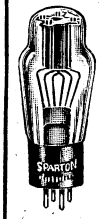
Stock No.	Lamp No.	Volts	Amps.	PRICE EACH	PER 10
B1250	41	2.5	.50	$0.09	$0.54
B1215	43*	2.5	.50	.10	.59
B1251	42	3.2	.35	.12	.71
B1253	40	6.3	.15	.09	.54
B1257	50†	6-8	.20	.10	.59
B1216	51*†	6-8	1.0	.07	.41
B1254	Spec.	2.0	.06	.20	1.18
B1217	Spec.*	2.0	.06	.22	1.29
B1255	44*	6.3	.25	.09	.54
B1256	46	6.3	.25	.09	.54

***Indicates miniature bayonet base.**
†Indicates small round bulb.

FOR FLASHLIGHTS

Stock No.	Lamp No.	Cell	Volts	Amp.	Price Each	Box of 10
B1220	223	2	2.2	0.25	$0.09	54c
B1221	233	2	2.3	0.27	.09	54c
B1222	13	3	3.8	0.30	.09	54c
B1223	14	2	2.5	0.30	.09	54c
B1224	31	5	6.2	0.30	.11	65c
B1225	136	1	1.25	0.60	.10	59c
B1226	248	2	2.4	0.80	.11	65c

GENUINE SPARTON RADIO TUBES



For use in the older model Sparton sets using 3 volt tubes, for which no other types may be substituted. These type tubes are in popular demand. Carry a stock of the types listed below. There's rapid turnover and good profits in them.

TYPE 485

B1000. 485. Amp.-Det. Replaces type 484. List, $2.00. NET..... **$1.37**

TYPE 483

B1001. 483. Power-Amp. Replaces type 183. List, $2.00. NET..... **$1.37**

TYPE 482-B

B1002. 482-B. Power-Amp. Replaces type 182-B. List, $2.00. NET..... **$1.37**

GENUINE KELLOGG TYPE 401 A.C. TUBES



The original Kellogg A.C. detector-amplifier tubes, noted for superior construction and long life. Heater Volts, 3. Heater Amps., 1. Maximum plate volts, 150. **For use as amplifier or detector.**

B1010. List, $4.00. YOUR PRICE **$2.33**

TYPE 403 A.C. TUBES

For use in the last audio stage. Heater Volts, 3. Heater Amps., 1.5. Plate Volts (Max.), 180. Grid Volts (negative), 40.

B1011. List, $5.00. YOUR PRICE **$2.94**

DURESITE VOLTAGE-REGULATOR TUBES



Ballast type voltage control tube. Efficient and accurate. Original equipment on many standard sets.

B1004. TYPE 110. For use with:
Brunswick S14, S21, S31 (60 cycle), 14, 21, 31 (25 cycle).
Bremer-Tully 81, 82 (25 cycle), 83, 84 (60 cycle).
Grebe 21950, 270C, 285, 450.
Hammarlund HiQ 30.
National.

B1005. TYPE 105. For use with:
Brunswick 14, 21, 31 (60 cycle).
Bremer-Tully 81, 82 (60 cycle).
List, $3.00. NET EACH..... **$1.65**

We can supply any Duresite made. Write for prices or order tube desired with deposit.

GENERAL ELECTRIC NEON GLOW LAMPS





Genuine G. E. neon gas lamps. Useful in many test instruments such as Weston and Tobe, etc. Can be used to build short and leakage testers. Will fill many other purposes such as light source for stroboscopes, night lights, etc. Both electrodes glow on A.C.; only negative glows on D.C. For 105 to 120 volt operation. Feature very low current drain.

B6454. MIDGET ¼ WATT. Candelabra Base. Pear shape clear bulb for tube testers. 9/16" diam. Split cone electrode. NET **36c**

B6457. MIDGET ¼ WATT. Bayonet Base. Will exactly replace bulb in Tobe Neon Condenser Tester. Tubular clear bulb. NET **41c**

B6452. MEDIUM ½ WATT. Edison Base. .05 C.P., .005 Amp. Round 1¼" dia. For A.C. only. Split cylinder electrode. NET **36c**

B6451. MEDIUM 1 WATT. Edison Base. .1 C.P., .010 Amp. Round 1¼" dia. Spiral electrode. See right hand cut above. NET **36c**

B6450. MEDIUM 2 WATT. Edison Base. ½ C.P., .020 Amp. Pear shape. 1¾" dia. Split-disc electrode. NET **45c**

B6453. MEDIUM 3 WATT. Edison Base. Round electrodes. An ideal night light. Excellent for test panel. NET **54c**

We can supply any type of neon glow lamp made. If the type you need is not listed, send order with deposit, or write for prompt quotation.

PORCELAIN SOCKETS





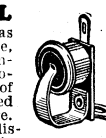
For neon lamps. Highest quality porcelain construction. Screw terminal for easy connection. For Edison and candelabra bases.

B6459. Edison Base. Cleat mounting type. NET EACH..... **10c**

B6460. Edison Base. Sub-panel mounting. NET EACH **16c**

B6461. Candelabra Base. Sub-panel mounting. NET EACH..... **28c**

MALLORY BIAS CELL



Designed to furnish initial bias for RF, IF and AVC tubes. Size, only 1 1/32" x 5/8". Noiseless; non-reactive at audio frequencies. Provides a no-current potential of 1 Volt ± 10%. Cells may be used in series for higher bias voltage. These cells greatly eliminate distortion caused by conventional bias arrangements.

B11939. YOUR PRICE EACH..... **18c**

BIAS CELL HOLDERS

B11946. For one cell. NET..... **6c**
B11947. For two cells. NET..... **12c**
B11948. For three cells. NET..... **15c**
B11949. For four cells. NET..... **21c**

NEW AMPERITE VOLTAGE REGULATORS FOR BATTERY SETS



Replacement voltage regulator tubes for many popular battery operated radio sets.

B1007. Type 5E! (1A1*). For Bosch 042, Erla 660, Sparton 81, 82.

B1008. Type 6-I (1J1*). For Sentinel 7700, Erla 7700.

NET EACH **94c**
(*Indicates new RMA type number.)

We can supply all Amperite voltage regulators for battery sets. Specify type number and send deposit with order. ALLIED is headquarters for all types of voltage-regulator tubes and devices.



"What The Well-Dressed Service Shop Should Wear"

Here is *ALLIED'S* design for 1938 radio servicing. Because complex circuits, new engineering wrinkles, and intricate mechanisms have changed the nature of radio servicing, today's "Well-dressed Service Shop" must have complete, modern, professional equipment prepared to handle *today's* problems.

In the following pages, *ALLIED* offers radio's most comprehensive selection of everything you'll need to outfit a complete, modern service shop—to handle every service job. Make the *ALLIED Catalog* your *Buying Guide*—for better work, for satisfied customers, for maximum returns on your investment.

SHOP YOUR ALLIED CATALOG FOR:

① SIGNAL GENERATOR

For accurate alignment of all radio sets, every service shop needs a modern signal generator. **ALLIED** offers the nationally known Supreme, Clough-Brengle, Triplett, Readrite, and Ranger makes in models for either A.C. or battery operation. See these on pages 23-27, 29-31.

② CATHODE RAY OSCILLOSCOPE

For complete visual checking of any radio receiver including alignment, distortion, selectivity, etc. Indispensable for checking modern all-wave, high-fidelity receivers. Turn to pages 23-26, 31 for descriptions and illustrations of new Supreme, Clough-Brengle, Triplett and R.C.A. models.

③ SERVICE ANALYZER

For quick, precise measurements of voltages, current, and resistance, a modern Service Analyzer is a necessity. One of these modern instruments does the work of several separate meters. Newest Weston, Triplett, Supreme, Clough-Brengle, and Readrite models are shown on pages 23-26, 28, 30.

④ MODERN TUBE CHECKER

To accommodate all tube types—including newest metal, octal, and glass tubes as well as older types—a **modern** tube checker must be used. These new instruments will test every tube now in use—accurately, efficiently, conveniently. **ALLIED** lists a very full line including Triplett, Supreme, Million, Dependable, Weston, Readrite, RTL, and Ranger models. Turn to pages 23-25, 27, 29-31.

⑤ CONDENSER ANALYZER

Measure all condensers for capacity, leakage, shorts, and power factor with an up-to-date instrument which is thoroughly accurate. Triplett, Tobe, and Solar models are featured on pages 28, 31.

⑥ HANDY CHASSIS CRADLE

Utmost convenience and safety in radio servicing are assured by the new Chassis Cradle shown on page 111. Holds any model or size radio or amplifier chassis in any position. Prevents damage to parts in set, and leaves both hands free for work.

⑦ COMPLETE TOOL EQUIPMENT

Every radio tool you need—soldering irons, pliers, screwdrivers, wrenches, hacksaws, circle-cutters, aligning tools, drills, and combination kits in the leading brands are listed at the lowest prices. Turn to pages 110-113 for complete descriptions.

⑧ SERVICE BOOKS

A complete service library can be built up from the extensive selection in this catalog. Service manuals such as Rider's and Gernsback's, books on theory such as Ghirardi's, trouble-shooters' handbooks and 'cyclopedias are offered to meet every reference need. Books on Radio Engineering, Sound, Television, and Refrigeration are also included. See pages 36-37, 139.

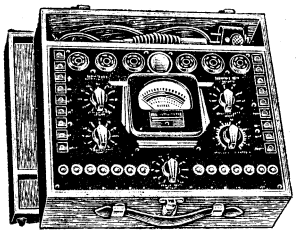
⑨ BASIC PARTS STOCK

Every service shop should regularly stock an assortment of tubes, resistors, condensers, volume controls, and other replacement parts which are used on practically all service jobs. **ALLIED'S** listing of replacement parts is the most complete you've ever seen. All quality brands are included, and listings cover all types and ratings. Refer to pages 17-21, 40-68, etc.

YOUR ALLIED CATALOG

Here's one servicing help you can't do without. Your **ALLIED Catalog** is a true radio index, a reference book, a buying guide—all in one. Keep it handy on your service bench—make it your one dependable, money-saving source for **all** radio supplies.

New SUPREME Test Equipment



NEW 502 RADIO TESTER

- **New Floating Filament Return.**
- **Tapped Line Voltage Selector.**
- **"Good-Bad" Tube Test Scale.**
- **Five Ohmmeter Ranges.**
- **Makes Condenser Leakage Tests.**
- **Four Voltage Ranges AC or DC.**

A "Supreme" achievement in modern tube tester design. Permits fast, accurate testing of every existing glass or metal type tube. New "Floating Filament **Return**" selector switch makes possible tests of all tubes, present or future, regardless of filament connection locations. Only six sockets are required to handle all tube types. Direct-reading "Good-Bad" scale for tube tests is also used for electrolytic condenser leakage tests. Neon bulb provides check on electrostatic condenser leakage. New square meter with 1 M.A. movement (1000 ohms per volt) has nine scale ranges for external circuit tests. Meter ranges are: 0-7-140-350-1400 volts A.C. or D.C.; 0-200-2000-20,000 ohms and 0-2-20 megohms. 0-200 ohm scale has mid-scale reading of 3.5 ohms. All meter scales are evenly spaced.

This new tube tester has been designed to speed up your work, either in the shop or on service calls. Tests are made while tube is hot, thus assuring accuracy; neon bulb indicates opens, leakage, or shorts between any two elements. A new Supreme tube testing circuit simplifies operation; requires a minimum of controls for each test. Panel selector switch corrects line voltage variations. External circuit tests using multimeter ranges are made extremely simple by means of tip jacks for test leads. Model 502 tester is housed in a golden oak carrying case with removable cover. Antique bronze panel has neatly embossed markings. With complete tube charts and instructions.

For 115 volts 50-60 cycles. Wt., 16 lbs.

B10263. NET CASH PRICE..... **$48.95**

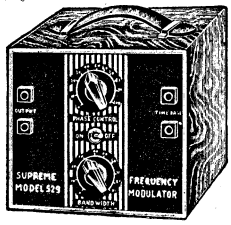
S.I.C. TIME PAYMENTS: $5.50 down, $4.95 monthly for 10 months.

MODEL 501 TUBE TESTER

This new instrument uses the same advanced tube checking system used in the Model 502 described above, but contains no set testing ranges. Employs the new floating filament return system; tests every tube now in use with full provision for future types.

B10267. NET CASH PRICE..... **$36.21**

S.I.C. TIME PAYMENTS: $4.00 down, $3.66 monthly for 10 months.



529 FREQUENCY MODULATOR

A newly developed unit for use in visual alignment work. May be used with any signal generator having frequency modulator input terminals, especially the Supreme Model 570 (listed on page 24, B10256). Will frequency modulate the carrier of the R.F. Signal Generator allowing the output to be used with an oscilloscope for visual alignment of set under test. Completely electrical in operation, the Model 529 has a tank circuit which is fixed-tuned to 600 KC, using an iron-core inductor. Frequency modulation is accomplished by electrical variation of the inductance of this tank circuit, with band width controllable as desired by the operator. Only two panel controls, one for adjustment of band width, and one for phase control, each one calibrated for ease of operation. In conjunction with an oscilloscope and signal generator the Model 529 provides an accurate, easily-operated means of producing perfect aligning jobs. In attractive wood case with handy carrying handle; overall size only 6x7x6". For 115 volts 50-60 cycles. Shpg. wt., 12 lbs.

B10264. NET CASH PRICE..... **$21.51**

S.I.C. TIME PAYMENTS: $4.00 down and $4.00 monthly for 5 months.



505 STANDARD TUBE TESTER

Here is a high quality tube tester which combines low cost with maximum flexibility and accuracy. Completely tests all metal or glass tubes in 6 sockets without adapters. All tubes tested under RMA rated loads. New Supreme Quadrimeter with Bi-indicating needles is indirectly illuminated through dual-view windows. Top meter scale has three sectors. "Good" "?" "Bad" for quality test to indicate emission loss; bottom scale divided into 100 divisions for close comparison checks between tubes of similar types. Built-in power supply has complete adjustment for varying line voltages.

Accurately indicates exact condition of any tube by testing under actual operating conditions, with load conditions conforming to RMA ratings. Full neon test for inter-element leakage quickly separates good tubes from bad. Tests all sections of multi-purpose tubes and both plates of full-wave rectifiers. Housed in attractive hardwood case with carrying handle and detachable lid. Ideal for either counter or portable use. Size 19x14⅛x6¾" overall. For 98-125 Volt, 60 cycle A.C.

B10259. NET CASH PRICE..... **$46.99**

S.I.C. TIME PAYMENTS: $5.25 down and $4.75 monthly for 10 months.

535 2" CATHODE-RAY OSCILLOSCOPE



- **New Two-inch Cathode-Ray Tube.**
- **New Snap-lock Synchronizer.**
- **Calibrated Amplifier Controls.**
- **Adjustable Screen Hood.**
- **Exclusive Uni-control.**
- **Flexible Control Functions.**

A new, compact oscilloscope with the exclusive new two-inch screen cathode-ray tube! Meets every requirement of visual alignment work which is so important in the servicing of modern radio sets. Has many important features. Uses a new 2" screen cathode-ray tube which has four times the usable image surface of the 1" tube. Return sweep eliminator suppresses high frequency linear sweep return. Has selective return sweep eliminator for inclusion or rejection of power supply frequency return sweep; snap-lock synchronizer for positive interlock of linear oscillator with input signal. New Uni-Control permits separate control of two circuits with only one shaft. Simplifying operation.

INCLUDES BUILT-IN AMPLIFIERS

Linear oscillator with vernier control has seven ranges covering 15 to 30,000 C.P.S. Built-in horizontal and vertical amplifiers have range of 15 to 90,000 C.P.S. with graduated gain controls. With separate controls for intensity and focus of image. The horizontal amplifier has a sensitivity of 0.8 peak volts and vertical amplifier sensitivity is 0.7 peak volts per inch deflection. Has built-in provisions for either external or internal synchronizing. Model 535 is a complete, flexible unit with a minimum of controls for simplicity and ease of operation. Circuits are completely protected by high-speed fuses; has on-off switch equipped with indicating pilot light. Sturdy oak-finished carrying case is only 12x7⅜x9½" overall, with attractive antique bronze panel. Complete with tubes and operating instructions. For 110 volts, 50-60 cycles. Shpg. wt., 20 lbs.

B10265. NET CASH PRICE..... **$48.95**

S.I.C. TIME PAYMENTS: $5.50 down, $4.95 monthly for 10 months.

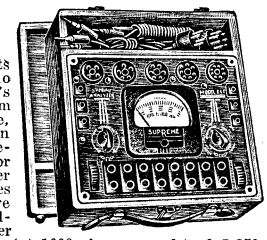
530 2" CATHODE-RAY OSCILLOSCOPE

A new inexpensive 2" oscilloscope, similar to the Model 535 described above, but does not have built-in horizontal amplifier and linear time base oscillator. Particularly suitable for use in all Amateur stations for checking modulation, audio distortion, etc. Uses three tubes: 2" cathode-ray tube, 6J7 vertical amplifier, and 5T4 rectifier. Size 9½x6¾x8½". For 110 volts, 50-60 cycles A.C. Wt., 13 lbs. With tubes and instructions.

B10266. NET CASH PRICE..... **$29.35**

S.I.C. TIME PAYMENTS: $4.00 down, $4.13 monthly for 7 months.

MODEL 551 ANALYZER



The new Model 551 Analyzer permits fast and accurate checking of all radio circuits through the use of Supreme's exclusive "Free Reference Point System of Analysis." All resistance, voltage, and current measurements may be taken between any two tube elements or between any tube element and ground or chassis without removing the receiver from its cabinet. All multimeter ranges are read directly on the new type square flush-panel meter, built to high standards of precision by Westinghouse. Meter ranges are: 0-7-140-350-1400 volts D.C. (at 1000 ohms per volt); 0-7-350-1400 volts A.C.; 0-7-35-140 milliamperes D.C.; 0-7-140-350-1400 volts audio output; and 0-200-2,000-20,000 ohms, 0-2-20 megohms, all self-contained, with .1 ohm as first indication and 3.5 ohms as center scale on the low range. For use on 110 volts, 60 cycles only. Housed in an oak carrying case. Complete with all leads, cables, adapters and full operating data.

B10268. NET CASH PRICE..... **$38.17**

S.I.C. TIME PAYMENTS: $4.25 down, and $3.86 monthly for 10 months.

MODEL 541 MULTIMETER

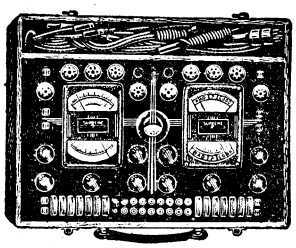


The new Supreme Model 541 Set Tester is one of the most efficient multimeters ever offered the serviceman. It has been carefully designed to provide fast, accurate readings; its 20 ranges and functions are at your finger tips on a single selector switch. Four D.C. voltage ranges are provided: 0-7-140-350-1400 volts at 1000 ohms per volt; four A.C. voltage ranges of 0-7-140-350-1400; three D.C. milliampere ranges of 0-7-35-140 with 0.2 milliamperes as first marking; 4 output ranges of 0-7-140-350-1400 A.C. volts requiring no external capacitor; 3 ohmmeter ranges of 0-200-2,000-20,000 ohms; and 2 high resistance ranges of 0-2-20 megohms. All resistance measurements are made with a self-contained power supply. All ranges are easily read on evenly spaced scales. Compact and light in weight, the entire unit in oak finished carrying case measures only 7¼x10¼x4½". Wt., 9 lbs. For use on 110 volt, 60 cycle A.C. only. Complete with test leads and full operating instructions.

B10269. NET CASH PRICE..... **$26.41**

S.I.C. TIME PAYMENTS: $4.00 down, and $3.67 monthly for 7 months.

New SUPREME Test Equipment



SUPREME 585 DE LUXE DIAGNOMETER

- **A Complete Portable Laboratory.**
- **Double-view Illuminated Meters.**
- **Full Analysis of Every Circuit.**
- **Tube Tests on "Good-Bad" Scale.**
- **Forty-two Multimeter Ranges.**
- **5 Decibel Ranges —10 to +46 DB.**

A truly advanced professional service test instrument. Makes quick and accurate checks of all circuits and components; also tests every type of metal or glass tube. All measurements of resistance, voltage, current, capacity, power level, etc., as well as tube and condenser tests, are read directly from two sensitive D'Arsonval meters with multiple scales. These new Quadrimeters, exclusive with Supreme Instruments, have bi-indicating needles and illuminated double-view windows for fast accurate readings. All tube tests and electrolytic condenser leakage tests are made with direct-reading "Good-?-Bad" scales.

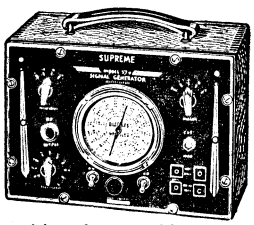
FORTY-TWO FUNCTIONS AND RANGES

Meters are accurately calibrated to read: 0-7-35-140-350-700-1400 A.C. or D.C. volts, or D.C. M.A.; 0-14 D.C. amperes; 0-200-2000-20,000-200,000 ohms, and 0-2-20 megs.; 0-.07-.35-1.4-3.5-7-14 mfd.; —10 to +6, 0 to +16, +10 to +26, +20 to +36, +30 to +46 D.B. A.C. and capacity ranges are read from evenly spaced scales for accuracy. The Model 585 incorporates Supreme's exclusive Free Reference Point Analysis system that checks every circuit. New balance ratio tube-testing circuit accurately indicates tube depreciation; tests for opens, leakage, and inter-element shorts. Housed in an oak-finished carrying case with removable cover; size 22⅝x18x7" overall. With all necessary charts, instructions and accessories. For 110 volts, 50/60 cycles.

$95.00

B10250. NET CASH PRICE.....

S. I. C. TIME PAYMENTS: $10.00 down, $8.00 monthly for 12 months.



570 SIGNAL GENERATOR

An All-Wave Signal Generator covering from 90 K.C. to 60 M.C. Fundamentals cover 90 K.C. to 20 M.C.; harmonics cover 20 M.C. to 60 M.C. Has directly calibrated airplane dial. Unusual stability is afforded by use of electron-coupled oscillator and complete circuit shielding; not affected by varying load or line voltage. Provides modulated or un-modulated signal; tip-jacks furnish 400 C. P. S. audio signal for test purposes. Has provisions for use with an external frequency modulator if desired for visual alignment with an oscilloscope. 30% modulation of carrier at 400 C.P.S. is obtained from built-in modulator. R.F. output may be smoothly controlled by means of ladder-type attenuator. Complete with tubes, instructions and accessories. Overall size of carrying case is 10½x8½x5". For 110 volts 50-60 cycles.

$31.30

B10256. NET CASH PRICE.....

S. I. C. TIME PAYMENTS: $4.00 down, $3.90 monthly for 8 months.

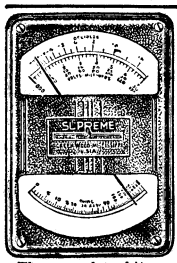
MODEL 580 SIGNAL GENERATOR

Has all the features of the Model 570 with additional functions necessary for precision test work. R.F. output may be electronically frequency-modulated at a constant band-width of 24 K.C. Built-in beat-frequency oscillator is accurately calibrated from 50 to 10,000 C.P.S. R.F. carrier may be used unmodulated, frequency-modulated, or amplitude-modulated 30% at 400 C.P.S. by a built-in audio oscillator which also provides 400 cycle signal for external tests. In portable oak case. For 110 volts, 60 cycles, A.C.

$53.85

B10252. NET CASH PRICE.....

S. I. C. TIME PAYMENTS: $6.00 down, $5.44 monthly for 10 months.



510 FOUNDATION KIT

A modern volt-ohm-milliammeter in complete kit form. Easily assembled and indispensable to the Serviceman, Experimenter or Amateur. The new Supreme Quadrimeter included employs a bi-indicating or double-pointer. Easy-to-read 3¾" scales are clearly marked; A.C. voltages are read on evenly-spaced scales for greatest convenience. Sword-point needles permit accurate reading even in poor light; scales may be illuminated by dial lights if desired. This new and exclusively designed meter measures 5¼x7¼". Has removable dust-proof cover made of attractive bakelite.

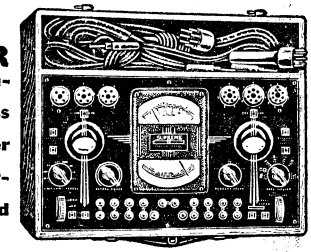
TWENTY-SEVEN RANGES

The complete kit contains all parts necessary for the following ranges: 0-7-35-140-350-700-1400 A.C. or D.C. volts, and D.C. milliamperes; 0-2,000-20,000-200,000 ohms. A.C. ranges may be used for output measurements. Kit consists of: 1—NEW SUPREME QUADRIMETER, 1—meter adjustment resistor, 9—metallized resistors for voltage and resistance ranges, 6—metallized resistors with 6 matched capacitors added for A.C. voltage readings, 1—zero reset potentiometer, 1—A.C rectifier, all necessary switches, and complete instructions for assembly.

$17.59

B10257. NET CASH PRICE.....

SUPREME 550 DE LUXE RADIO TESTER



- **Free Reference Point Analyzer.**
- **Tests All Metal and Glass Tubes.**
- **Twenty-nine Multimeter Ranges.**
- **Completely Tests All Circuits.**
- **Indirectly Illuminated Meter.**
- **Tests All Condensers.**

This new Supreme test instrument is a combination set analyzer and point-to-point tester. Provides complete circuit analysis of resistance, voltage and current as well as tube tests directly from tube sockets in set. All meter ranges are applied through the analyzer cable making it unnecessary to remove the chassis from the cabinet. Meter ranges are: 0-7-35-140-350-700-1400 V. A.C. and D.C.—at 1000 ohms per volt; 0-7-35-140-350-700-1400 M.A. D.C.; 0-14 Amperes (external only); 0-2,000-20,000-200,000 ohms and 0-2-20 megohms; —10 to +6, 0 to +16, +10 to +26, +20 to +36 and +30 to +46 D.B. Leakage of electrolytic condensers reads directly on meter dial; makes electrostatic leakage test; all electrolytic condensers can be tested at rated working voltage. Supreme's famous Free Reference Point method of analysis enables complete checking of all circuit components. Size 18⅝x14¼x7½" overall. Complete with test prods, cable and plugs, adapters, charts, and complete instructions. For 110 Volts, 50/60 cycle A.C.

$54.83

B10254. NET CASH PRICE.....

S. I. C. TIME PAYMENTS: $6.00 down, $5.55 monthly for ten months.

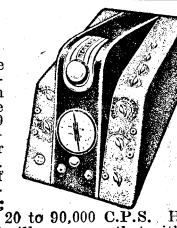
MODEL 540 STANDARD ANALYZER

Similar in appearance and performance to the Model 550, but does not include its tube testing circuits or power level scales. Has 24 ranges and functions. A truly DeLuxe Radio Tester.

B10255. NET CASH PRICE.....$36.20

S.I.C. TIME PAYMENTS: $4.00 down, $3.66 monthly for 10 months.

SUPREME 555 DIAGNOMOSCOPE



A combination of the 545 Cathoray Oscilloscope and 580 Signal Generator. Provides fundamental frequencies from 90 K.C. to 20 M.C. with harmonics to 60 M.C. R.F. output may be used unmodulated, or 30% modulated at 400 cycles. Has built-in provisions for either frequency or amplitude-modulation of carrier for visual alignment work with the oscilloscope. May be used for accurate measurements of wave-form, voltage gain, distortion, etc. "Sawtooth" oscillator has range of 7 to 20,000 C.P.S.; horizontal and vertical amplifiers have range of 20 to 90,000 C.P.S. Has individual controls for Signal Generator and Oscilloscope so that either may be used separately if desired. The Model 555 Diagnomoscope is an ideal instrument for the "up-to-the-minute" service shop. Its complete flexibility of operation and numerous functions permit "peak" alignment so vital to the operation of modern receivers, as well as accurate analysis of audio systems or other circuits. Completely housed in metal cabinet; 16x24x24" overall. Complete with all tubes, and operating charts and instructions. For 110 volts, 50-60 cycles.

$144.99

B10253. NET CASH PRICE.....

S. I. C. TIME PAYMENTS: $15.00 down, $12.05 monthly for 12 months.

545 CATHORAY OSCILLOSCOPE

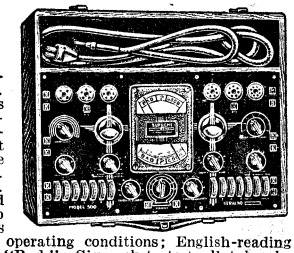
A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathoray Oscilloscope is similar in design, appearance, and operation to the 555 Diagnomoscope described above but does not have the built-in signal generator. Supplied with complete set of R.C.A. tubes and all necessary operating instructions. Housed in sturdy steel case. For operation on 110 volts, 50-60 cycles.

$91.09

B10251. NET CASH PRICE.....

S. I. C. TIME PAYMENTS: $10.00 down, $7.68 monthly for 12 months.

500 AUTOMATIC TUBE TESTER



Designed to meet every requirement of present day tube testing. Tests all types of metal or glass tubes; also tests all types of condensers and provides a multi-purpose meter for additional circuit analysis. Meter ranges available are: 0-7-140-700-1400 volts A.C. and D.C.; 0-7-140-700-1400 MA. D.C.; 0-2,000-20,000-200,000 and 0-2-20 megohms; —6 to +6, 0 to +16 and +10 to +26 DB. Tubes are tested for quality under rated operating conditions; English-reading meter scale reads "Good," "?" or "Bad." Six sockets test all tubes by means of exclusive filament return selector switch. Neon test for internal leakage; also checks leakage of electrolytic condensers. Multimeter ranges may be used for Free Reference Point Analysis by means of test leads supplied. Housed in attractive golden oak carrying case with slip-hinged cover. Size 20⅞x15x6¾" overall. Furnished with all necessary accessories, instructions and tube charts. For 98-125 Volt, 60 cycle A.C.

$65.60

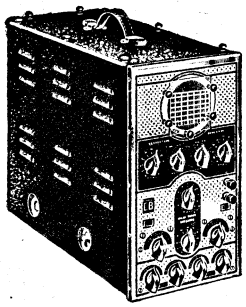
B10260. NET CASH PRICE.....

S. I. C. TIME PAYMENTS: $7.50 down, $6.61 monthly for 10 months.

Modern TEST EQUIPMENT

CLOUGH-BRENGLE INSTRUMENTS

CRA OSCILLOGRAPH

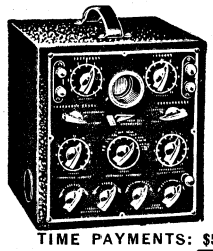


A precision instrument for visual checking of voltage and current problems. Laboratories, schools, etc., will find it invaluable for measurements of voltage, modulation percentage, audio distortion, etc. When used with the Model OM-A, or 110 and 111, provides actual selectivity measurements at all R.F. and I.F. frequencies. Horizontal and vertical amplifiers have a sensitivity of .38 R.M.S. volts per inch of deflection. Horizontal sweep rate is adjustable from 12 to 20,000 C.P.S. Housed in a black crystalline-finished steel case measuring 13½" high, 17¼" deep and 8" wide. With calibrated screen and all necessary tubes. For 110 V. 60 cycle A.C. Shpg. wt., 41 lbs.

B10371. NET CASH PRICE **$77.91**

TIME PAYMENTS: $9.00 down, $8.05 monthly for 10 months.

105 OSCILLOGRAPH

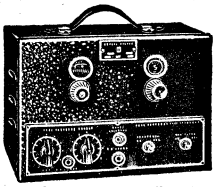


A portable oscillograph designed and built around the type 913 cathode-ray tube. Will permit accurate alignment of all-wave receivers, and the study of all radio circuits. Has a host of other applications. Incorporates separate vertical and horizontal sweep amplifiers, and linear sweep with range of 15 to 30,000 C.P.S. Input sensitivity is .68 RMS volts for full screen deflection. For 110 volts, 60 cycle A.C. Wt., 18 lbs. Size, 8⅞" high x 8¼" x 9⅜".

B10370. Complete with tubes. NET CASH PRICE..... **$47.92**

TIME PAYMENTS: $5.50 down, $5.05 monthly for 10 months.

ALL-WAVE SIGNAL-GENERATOR
MODEL OC-A



Provides every intermediate, broadcast and short-wave frequency for practically any alignment purpose. Five bands cover all frequencies from 100 KC to 60 megacycles; readings are accurate to ½ of 1%. New type dial has per band scale length of 25". Output is continuously variable from a minimum to a very strong signal; modulation may be switched off. 400 cycle signal also available for audio tests. Uses 1—6C5, 1—6N7 and 1—84 tubes. For 110 V. 60 cycle A.C. operation. Housed in rugged, durable metal case, with black crackle finish. Complete with tubes. Wt. 14 lbs.

B10372. NET CASH PRICE..... **$29.35**

TIME PAYMENTS: $3.50 down, $4.32 monthly for 7 months.

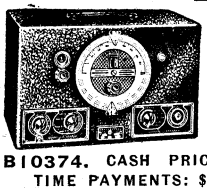
MODEL OM-A

Similar to OC-A, but has frequency modulator for use with cathode-ray oscillograph. Frequency swings plus and minus 15 KC. Complete with tubes, cords, and instructions. For 110 volts, 60 cycles A.C.

B10373. NET CASH PRICE..... **$63.21**

TIME PAYMENTS: $7.00 down, $6.56 monthly for 10 months.

110 SIGNAL GENERATOR



Incorporates many engineering achievements not previously available. Features: 5 band calibration on 2 scales (100 KC to 31 MC); air trimmer on each band; adjustable RF iron cores; push-pull audio modulation; many other features. Complete with 3 tubes, cable and complete instructions. In metal case, 9¼x15¼x7". Wt., 25 lbs.

B10374. CASH PRICE **$42.63**

TIME PAYMENTS: $5.00 down, $4.40 monthly for 10 months.

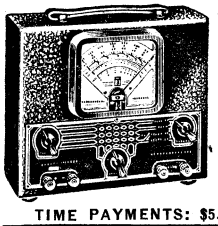
MODEL 111 FREQUENCY MODULATOR

For use with any signal generator in conjunction with an oscilloscope. Sweeps the frequency from 0 to 50 KC as determined by calibrated panel control. New circuit filters out objectionable harmonics of modulator fundamental (1650 KC). Complete with 5 tubes. Wt., 20 lbs.

B10368. NET CASH PRICE..... **$35.77**

TIME PAYMENTS: $4.50 down, $3.66 monthly for 10 months.

120 SUPER ANALYZER
20,000 OHMS PER VOLT



Specially designed so that the most used voltages may be read at approximately ¾ scale, at the point of greatest meter accuracy. All ranges are switch controlled. Ranges, 0-3.5-7-35-140-350-1400 volts, A.C., 7,000 ohms per volt, and D.C., 20,000 ohms per volt; 0-3000-30,000 ohms, 0-3-30 megs.; —14 to +6 Db., with multipliers for +6, +20, +32, +40, and +56 Db. In metal case, 9¾x8x4½". Shpg. wt., 10 lbs.

B10369. CASH PRICE **$42.63**

TIME PAYMENTS: $5.00 down, $4.40 monthly for 10 months.

WESTON TEST INSTRUMENTS

SUPER-SENSITIVE ANALYZER
MODEL 772-20000 OHMS PER VOLT



Has 4½" multi-scale meter with 100 division scale and sensitive D'Arsonval movement; knife-edge pointer. Ideal for checking all types of radio sets and transmitters; has high sensitivity for analysis of television circuits. Incorporates the following ranges: 0-2.5-10-50-250-1000 volts, D.C. at 20,000 ohms per volt, and A.C. at 1000 ohms per volt; 0-50-100 micro-amperes D.C.; 0-1-10-50-250 D.C. milliamperes; 0-3000-30,000 ohms; 0-3-30 megohms. High range ohmmeter may be used for condenser leakage tests. Housed in sturdy fabricoid carrying case, 15x5x8¾". Attractive etched black panel trimmed in red and chrome.

B10350. NET..... **$52.13**

MODEL 773-1 PORTABLE TUBE CHECKER

Carefully designed to provide dependable accuracy, with operating simplicity. Testing circuits will handle all metal and glass type tubes with 8 panel sockets. Highly sensitive Weston meter gives "GOOD-?-BAD" test of all tubes, with provision for future types. Has continuously variable line control, neon short and leakage test, and audible noise check. In solid wood case. With fused line cord and complete instructions.

B10351. YOUR NET PRICE..... **$53.81**

MODEL 773-2 COUNTER TUBE CHECKER

B10352. The same checker as the 773-1, but housed in a handsome wood counter case. Has exclusive new Weston rapid reference, rotator-type, tube chart.

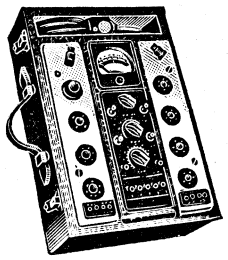
NET **$58.13**

MODEL 775 COMBINATION SERVICE SET

The Model 775 Serviset combines the Model 773 Tube Checker and the Model 772 Super-Sensitive Analyzer. Sturdily built wood case with ample carrying space for tools and accessories. Contains all the test equipment needed on the average service call. Its attractive appearance is an invaluable sales aid.

B10353. YOUR NET PRICE..... **$104.25**

WESTON CHECKMASTER
MODEL 771-2

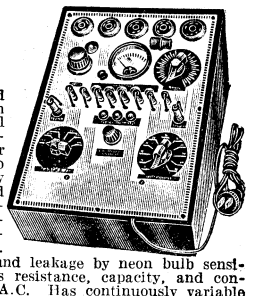


A complete tube and circuit analyzer. Checks all receiver tubes; measures receiver circuit voltages; locates condenser leakage, and makes resistance analyses. Provides separate tests for diode type tubes; checks for shorts under actual operating conditions. Quick reading, easily understandable scale reads "Good-Bad" for tube tests, also reads 0-10-100-1000 volts and 0-2,000,000 ohms. In attractive carrying case. Wt. 17 lbs. For 110 volt, 60 cycle A.C. One of the finest all-purpose testers made. Attractively-priced to bring it within the reach of every radio serviceman.

B10354. YOUR PRICE **$55.13**

WRITE FOR DETAILS OF OUR TIME PAYMENT PLAN. EARN WITH THESE WESTON INSTRUMENTS WHILE YOU PAY.

NEW DEPENDABLE TUBE TESTER
MODEL 306



A new inexpensive tube tester designed to completely check every type of tube in use today, including all the new octal tubes. Has complete flexibility; is protected against obsolescence by free 5 year insurance policy with each tester. No adapters required. Each section of every multi-purpose tube is tested. Tests cold cathode rectifier such as 0Z4. Tube condition is indicated on colored "GOOD-BAD", scale of meter. Hot cathode-leakage is checked by neon tube and meter. All elements are hot-checked for shorts and leakage by neon bulb sensitive up to 250,000 ohms. Also measures resistance, capacity, and condenser leakage. For 110 volt, 60 cycle, A.C. Has continuously variable line voltage control with proper voltage indicated on meter.

COUNTER MODEL
KIT FORM

B10356. 306KC. All parts, including case and panel for building Model 306 tube tester. NET PRICE **$17.59**

COMPLETELY WIRED

B10357. 306C. Completely assembled and wired Counter Tube Tester. As illustrated, in attractive case 9"x12"x5". A good sales stimulator. Shpg. wt. 6 lbs. NET **$21.51**

PORTABLE MODEL
KIT FORM

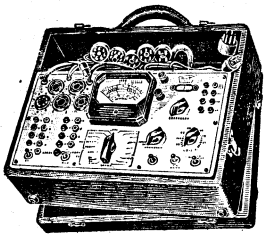
B10358. 306KP. All parts, including panel and portable case with hinged cover, for building 306 Tester. NET **$19.55**

COMPLETELY WIRED

B10359. 306P. Completely assembled and wired Portable Tube Tester. The cover of this tester is removable for counter use. A useful double-purpose instrument of great accuracy. NET **$24.01**

TRIPLETT De Luxe TEST EQUIPMENT

DE LUXE TEST INSTRUMENTS



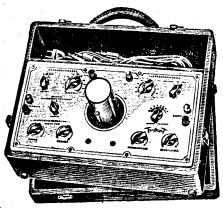
MODEL 1601 DE LUXE SET TESTER
25000 OHMS PER VOLT

A modern, high quality tester for the up-to-date serviceman. Provides accurate, rapid analysis of every circuit, with minimum operations and time required. Measures 10-50-250-500-1000-2000 volts, A.C. and D.C. D.C. sensitivity is 25000 ohms per volt; A.C. is 1000 ohms per volt. D.C. current: 0-250 microamperes; 0-1-10-50-250-500 MA; 0-1-2-20 amp. Resistance: 0-500-20,000-200,000 ohms and 0-2-20 megohms. All meter scale ranges are available for external circuit measurements by means of panel tip-jacks. Condenser tester checks capacities from .001 to 30 mfd.; gives leakage tests for electrolytics. Calibration is easily checked by line voltage control and separate shadowgraph meter. All ranges are easily read on large illuminated dial scale. Free-Point Tester checks all metal and glass tube circuits. Panel has silver finish with etched black lettering. Housed in sturdy black leatherette case with removable cover. Built-in tool compartment. Size, 15½x12x6⅜". Complete with all adapters, accessories and instructions.

B9961. YOUR PRICE..... **$48.34**

IN METAL CASE

B9962. The Model 1601 tester is also available in a black wrinkle-finished metal case with leatherette handle.
NET **$44.42**



MODEL 1690 DE LUXE 2" OSCILLOSCOPE

Meets every requirement of the Service or Communications engineer for the visual study and adjustment of all radio circuit problems. The oscilloscope incorporates separately controlled resistance-coupled horizontal and vertical amplifiers. Has self-contained linear sweep from 15 to 20,000 cycles. Either internal, external, or 60 cycle sweep may be used. All controls are on the panel; absolutely no interaction of controls. The new 2" tube used has an effective screen area four times that of the one inch tube usually used. Turret-type mounting allows adjustment of screen to direct alignment with user's line of vision. Extremely brilliant pattern may be read in broad daylight by using the adjustable shield. Provides accurate visual analysis of R.F., I.F., and Audio systems, thereby permitting peak alignment for maximum sensitivity, selectivity, and tone quality. Will shorten the time required for completely servicing modern all-wave sets. Tubes used are: 25Z5, 6J7, 6C6, 885, 24-XII. Silver and black etched panel. Leatherette case; size, 15½x12x6⅜". Extremely compact and well-suited to portable use as well as for the shop. For 110 Volts, 60 cycle A.C.

B9963. YOUR PRICE **$49.98**

IN METAL CASE

B9964. Model 1690 2" oscilloscope mounted in a black wrinkle-finished case with leather handle.
NET **$46.06**



MODEL 1630 DE LUXE TRIPLE-SHIELDED OSCILLATOR

An outstanding signal generator for extreme accuracy. Covers 100 KC to 30 MC in six ranges. Answers every requirement of a wide frequency range oscillator. Accuracy of calibration is ½ of 1%. Unusually large direct-reading calibrated dial has total scale length of 52⅝". Each coil is individually calibrated and tracked for linearity over the entire range. This generator has zero leakage with triple shielding where necessary to eliminate all possibility of even the slightest leak. A continuously variable pad type attenuator controls the output from zero to maximum. Ruggedly built to withstand the wear and tear of constant service. Internal construction is as rigid as possible to eliminate any changes in calibration. Furnished in case similar to that of Model 1601. Panel is etched in black on attractive silver background. For use on 110 volts, 60 cycles, A.C.

B9965. YOUR PRICE..... **$48.02**

IN METAL CASE

B9966. Model 1630 is also available in a black wrinkle-finished metal case with leather handle.
NET **$44.10**

MODEL 1631

Same as Model 1630, but in addition incorporates electronic frequency modulation. Frequency modulation is continuously variable from 5 cycles to 40 KC. Supplies 400 C.P.S. modulated or unmodulated signal, as well as pure CW signal with provisions for external modulation. In leatherette case.

B9967. YOUR PRICE..... **$57.82**

B9968. MODEL 1631 IN METAL CASE. In black wrinkle-finished metal case with leather handle.
NET **$53.90**

LABORATORY TEST PANELS

A new idea in attractively matched combination service test units that will simplify radio service and laboratory test work. These new black wrinkle-finished metal test panel cabinets are compact, convenient, and practical. Any Triplett Master or De Luxe Line Service instrument can be mounted on them. Three fine combinations of new Triplett De Luxe and Master Units assembled in the new Triplett Test Bench Panels are shown below. Other equally attractive combinations may easily be made up. A continuous panel setup may be obtained by bolting cabinets together. (Testers built into the panels below cannot be removed for portable use.) Cabinet size: 22"x16"x5" deep at top and 7⅞" deep at bottom. Cabinets have handy accessory drawer.

MODEL 1402

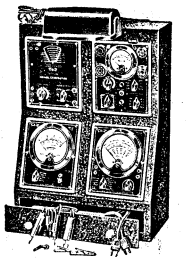
This test panel consists of a combination of the Model 1690 2" Oscilloscope and the Model 1631 Frequency Modulated Signal Generator. These two instruments form a complete setup for the visual study and adjustment of all radio and tube circuit problems. The cathode-ray tube has a turret-type mounting that can be adjusted to place the screen in direct alignment with your line of vision. The Signal Generator covers from 100 KC to 30 MC in six ranges. Frequency modulation is continuously variable from 5 cycles to 40 KC. Signal Generator can be used unmodulated or with either 400 C.P.S. internal modulation or external modulation. An invaluable instrument group for the serviceman who repairs modern High-Fidelity and All-Wave sets. Less panel illumination lamp. (See below.)



B9971. YOUR PRICE **$107.14**

MODEL 1404

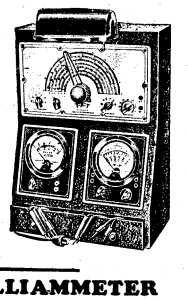
This unit combines the Model 1210-A Tube Tester, Model 1232 All-Wave Signal Generator for 110 volt AC operation, the Model 1209-A Multi-Range AC Volt-meter (described below), and the Model 1209-D Multi-Range DC Volt-Ohm-Milliammeter (described below), all mounted on one test panel. With this equipment you are prepared to make the majority of the tests required in the average radio repair job. Generator covers from 120 KC to 30 MC, modulated or unmodulated. Tube tester checks all tubes now in use with provision for future types. Tube condition is indicated on accurate "Good-Bad" scale. Includes a complete test for shorts and leakage. Complete with all test leads and accessories.



B9973. Less lamp.
YOUR PRICE **$85.91**

MODEL 1403

This combination is especially designed for the service shop where the more elaborate setup of the other panels is not required. Consists of the Model 1630 Signal Generator, the Model 1209-A Multi-range AC Voltmeter, and the Model 1209-D Multi-range DC Volt-Ohm-Milliammeter. With these instruments the skilled service engineer can easily handle all repair work. The Generator covers six bands, calibrated within ½ of 1% from 100 KC to 30 MC. All frequencies are fundamentals. Output may be CW, 400 C.P.S. internally or externally modulated. A 400 cycle audio test note may be obtained from special panel jacks. With accessories.



B9972. Less lamp.
YOUR PRICE **$86.24**

MODEL 1209-D VOLT-OHM-MILLIAMMETER

An ideal unit for the service bench. The 5" meter has extra long scales, making it easy to read even at a considerable distance. An aluminum needle type pointer allows extreme accuracy of readings. The following ranges are available: 0-10-50-250-500-1000 volts DC at 1000 ohms per volt; 0-1-10-50-250 MA; and 0-500-100,000-1,000,000 ohms. In metal case with panel etched in red and silver on black background. Complete with leads.

B9974. YOUR PRICE..... **$19.60**

MODEL 1209-A AC VOLTMETER

This AC Voltmeter is an extremely useful unit for all-round radio service or experimental work. Its five ranges at 40 ohms per volt will check all AC voltages usually encountered. The five ranges are: 0-10-50-250-500-1000 volts. The 5" meter has an unusually long scale with large numerals. Has same type case and panel as Model 1209-D. Complete with leads.

B9975. YOUR PRICE..... **$15.68**

• CABINETS ONLY

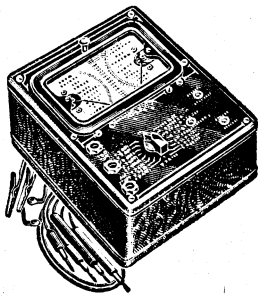
The convenient and practical Triplett Test Panel Cabinets are also available separately without instruments. Two or more may be bolted together to form a continuous unit. Each cabinet is made of sheet steel with black wrinkle finish. A handy drawer is provided in each cabinet. Cabinet size, 22"x16"x5" deep at top and 7⅞" deep at bottom.

B9976. MODEL 1402 RACK ONLY.
B9977. MODEL 1403 RACK ONLY.
B9978. MODEL 1404 RACK ONLY.
YOUR PRICE, EACH **$9.80**

CLAMPON LIGHT FOR TEST PANELS

B9979. This handy clampon light was especially designed for illuminating the Triplett panels, but may be used anywhere. Easily fastened. Complete with AC cord and plug.
NET..... **$6.54**

TRIPLETT MASTER TEST EQUIPMENT



1200-A VOLT-OHM-MILLIAMMETER
2000 OHMS PER VOLT

A compact universal A.C.-D.C. Volt-Ohm-Milliammeter with many new features. Twin meters in single case have separate A.C. and D.C. movements. D.C. meter reads: 0-10-50-250-500-1000 volts at 2000 ohms per volt; 0-1-10-50-250 M.A.; 0-1500 ohms-1.5 meg.-3 meg. Has additional "Backup" low-ohm scale of .5-500 ohms with 15 ohm center scale reading. A.C. meter reads: 0-10-50-250-500-1000 volts. Meter may be tilted and read at any angle; all voltage scales are direct-reading; ohmmeter scales have individual adjustments; with scale selector switch for rapid operation. Switch contact error is less than ½%. Panel has plainly etched red and silver markings on a black background. Metal case, 7⅞"x6⅝"x4⅝". With leads, prods, batteries, and instructions. Shpg. wt., 10 lbs.

B9941. List, $35.75. NET **$23.35**

MODEL 1200-B—2000 OHMS PER VOLT

Similar to 1200-A above, but with DC movement and copper oxide rectifier for AC voltage scales of 2-10-50-250-500-1000 at 1000 ohms per volt. Complete with batteries. Shpg. wt., 10 lbs.

B9942. List, $44.00. NET..... **$28.74**

MODEL 1200-C—5000 OHMS PER VOLT

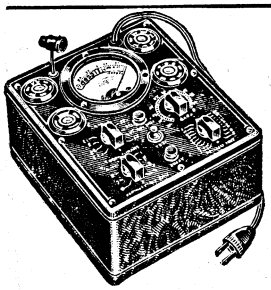
Same as the Model 1200-A except that meter has sensitivity of 5000 ohms per volt on DC voltages. Suitable for checking all circuits, including AVC. Also has 250 microampere scale, and additional ohmmeter scale of 7½ megohms. Shpg. wt., 10 lbs.

B9943. List, $40.25. NET..... **$26.29**

MODEL 1200-E—25000 OHMS PER VOLT

Similar in appearance and design to Model 1200A, but the D.C. meter has a circuit resistance of 25,000 ohms per volt, a greater sensitivity than was ever available before. New high ohms scale reads 2 and 40 megohms. Also has 0-50 microampere scale.

B9944. List, $46.75. NET..... **$30.55**

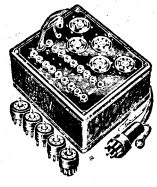


TUBE TESTER
MODEL 1210-A

Tests all types of tubes, metal as well as glass. Emission type design with four sockets for making all tests. Reads "GOOD" and "BAD" directly on 3½ inch D'Arsonval meter scale. Indicates short and leakage tests directly on meter. A line voltage regulator is built-in. Simple to use; tests all tubes quickly and accurately. Supplied with rectifier tube and complete instructions. Operates on 100-130 volts, 60 cycle current. In new metal case, 7⅞x6⅝x4⅝ inches. Shpg. wt., 11 lbs.

B9945. List, $33.00. NET.. **$21.56**

B9958. MODEL 1310 COUNTER TYPE TUBE TESTER. Same as Model 1210-A, but in two-tone walnut case with metal tube charts and sloping panel. NET..... **$26.63**

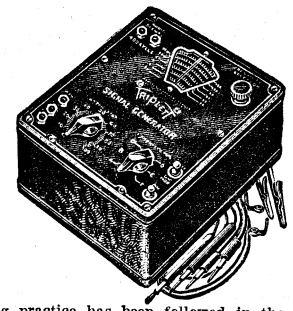


FREE-POINT TESTER
MODEL 1220-A

For use with the Model 1200 Master Volt-Ohm-Milliammeters. Makes proper voltage tests between any tube elements, current tests in series with any tube element, and resistance tests between any tube element or socket contacts. Panel contains 4, 5, 6, combination 7 prong, and 8 octal sockets. Eighteen jacks permit insertion of meter leads for all tests. With 7 prong latch plug and 5 adapters. In new metal case. Shpg. wt., 8 lbs.

B9946. List, $16.50. NET **$10.78**

ALL-WAVE SIGNAL GENERATORS
MODEL 1232



A stable, accurate, direct-reading All-Wave Signal Generator of new design and sturdy construction. Large 12 inch vernier dial-scale permits extremely fine and accurate readings on each of the six fundamental frequency bands; calibrated from 100 to 30,000 K.C. Amplitude-modulated at 400 C.P.S. by self-contained audio oscillator. The coils are all individually shielded and placed to require the shortest possible leads. All grid leads are carefully shielded. The graduated attenuator is perfectly smooth and designed for use with A.V.C. circuits requiring a low signal level. Has modulation "On-Off" switch. 400 cycle audio signal is available for external tests through panel tip jacks. Every advanced detail of modern engineering practice has been followed in the construction of this signal generator. All parts are of the highest quality, skillfully assembled and thoroughly tested. This unit is designed for the hardest type of service under all climatic conditions. Mounted in handsome crystalline-finished metal case; measures 7⅞x6⅝x4⅝". Complete with shielded leads. For 110 volt 60 cycle A.C.

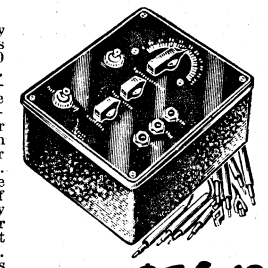
B9949. List, $41.25. YOUR NET PRICE **$26.95**

MODEL 1231 SIGNAL GENERATOR

Same as Model 1232 above, but designed for localities where 110 volt A.C. is not available. Entirely battery-operated. Uses two type 30 tubes. Built to withstand hard service. Complete in metal case with tubes, batteries and connecting leads.

B9948. List, $38.50. YOUR PRICE..... **$25.16**

MODEL 1230



A stabilized frequency, continuously variable Signal Generator. Furnishes frequencies from 100 K.C. to 18,000 K.C. in six ranges. Six individual, hand-drawn calibration charts are supplied, one for each range. Uses a type 30 tube as the R.F. oscillator. A separate 30 tube used as audio oscillator generates clear 400 cycle note. Switch on panel permits signal to be used either modulated or unmodulated. 1—22½ V. and 3—1½ V. batteries furnish tube current. Oscillator is independent of line leakages. All parts are individually shielded. Power taken from oscillator does not upset circuit stability. Output is controlled by 3 jacks and attenuator. In metal case. Complete with tubes and batteries. Shpg. wt., 15 lbs.

B9947. List, $25.25. NET..... **$16.49**

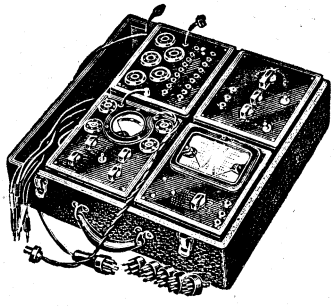
AUDIO FREQUENCY OSCILLATOR
MODEL 1260



The ideal instrument for testing all audio amplifiers, speakers, etc.; fidelity curves may be easily and quickly run, using this oscillator and a good output meter. New circuit makes use of the feedback type oscillator to produce a pure sine wave at 10 different frequencies which are amplified and fed to a Universal output transformer, arranged to match any amplifier input. Smooth, positive gain control. Frequency selector switch is calibrated 100-250-500-1000-2000-3000-4000-5000-7500 and 10,000 cycles, giving adequate frequency range for full test of fidelity. In attractive metal case measuring 7⅞"x6⅝"x4⅝". For 110 Volts 60 cycle A.C. operation. Complete with tubes. Shpg. wt., 14 lbs.

B9950. List, $42.50. NET **$27.76**

COMBINATION MASTER UNIT TEST SETS



A professional, completely portable laboratory consisting of four accurate Triplett instruments. Each instrument is described in detail above. Set of four is housed in compact leatherette case as illustrated.

MODEL 1205-A

Consists of: **Model 1200-A, Model 1210-A, Model 1220-A,** and **Model 1230** in leatherette case 17x17¾x5½". Complete with test leads, adapters, etc.

B9951. List, $119.50. YOUR PRICE **$78.08**

MODEL 1206

Same as 1205-A, but with Model 1231 Master All-Wave Signal Generator instead of Model 1230. Complete with leads and adapters, etc. Shp. wt., 36 lbs.

B9952. List, $132.75. YOUR PRICE **$86.73**

MODEL 1207

Similar to 1205-A but with new Model 1232, 110 volt A.C. All-Wave Signal Generator. Complete with all test leads, adapters, etc. Shpg. wt., 36 lbs.

B9953. List, $135.50. YOUR PRICE **$88.52**

CASES ONLY FOR MASTER UNITS

You can make up any type of combination Portable Test Laboratory by using these handsome cases to house any of the Triplett Master Units.

B9954. FOR SINGLE UNITS. List, $6.00. YOUR PRICE..... **$3.92**

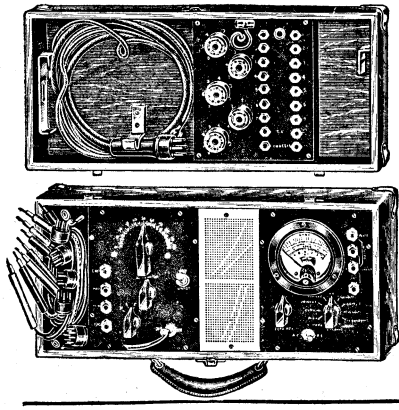
B9955. FOR TWO UNITS. List, $7.00. YOUR PRICE..... **$4.57**

Designed for portable use. Leatherette-covered with protective cloth lining. Have large extra compartment for test leads, adapters, etc.

B9956. FOR THREE UNITS. List, $8.00. YOUR PRICE..... **$5.22**

B9957. FOR FOUR UNITS. List, $9.00. YOUR PRICE..... **$5.88**

TRIPLETT UNIVERSAL TEST EQUIPMENT



Model 1181-A PORTABLE LABORATORY TESTER

An absolutely modern tester which combines three instruments in one case for complete circuit analysis. Includes: (1) the precision Model 1151 All-Wave Oscillator for aligning all sets and for tube testing; (2) the Model 1125 Universal Volt-Ohm-Milliammeter for point-to-point analysis and as output meter; (3) the Model 1166A Free-Point Auxiliary Set Tester for free-point and standard analysis tests. These three high quality instruments enable you to make point-to-point tests, standard circuit analysis and overall performance tests on all circuits. All units have etched panels.

THREE GREAT TESTING SYSTEMS IN ONE

The new 1181-A Portable Laboratory Tester makes point-to-point analysis without removing the chassis from the cabinet. Quickly and accurately measures voltages, resistances and currents between any two circuit points. For conventional analysis both Auxiliary Tester and Volt-Ohm-Milliammeter are employed. Quickly localizes circuit troubles. Overall performance of any set is easily checked by the All-Wave Oscillator and output meter portion of the Volt-Ohm-Milliammeter. Permits accurate circuit alignment and definitely locates causes of intermittent reception. Charts are supplied for direct capacity measurement; large calibration graphs supplied for the oscillator.

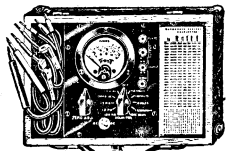
FOR ALL CIRCUITS

The 1181-A Tester is ultra-modern; it will handle all metal tube as well as glass tube circuits. Meter scales read as follows: 0-15-75-150-750 Volts A.C. or D.C. at 1000 ohms per volt; 0-1.5-15-150 M.A., D.C.; 0-15-150 M.A., A.C.; 0-1500-1.5 meg.-3 megohms. Oscillator has four ranges from 110 K.C. to 18 M.C. Auxiliary set tester has 4, 5, 6, 7 prong and 8 prong octal sockets with jacks for all analyses.

COMPLETE MODEL 1181-A

The 1181-A Tester constitutes a compact complete radio service test laboratory. Size 16½x 4¾x7½". Furnished, complete with batteries, adapters, accessories, and instructions. Shpg. wt., 20 lbs.

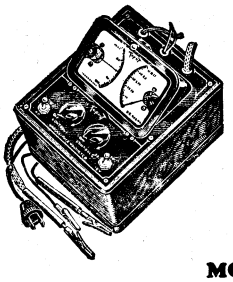
B9932. List, $62.75. YOUR PRICE **$40.99**



1125 UNIVERSAL AC-DC VOLT–OHM–MILLIAMMETER

Designed to measure both A.C. and D.C. voltages, currents, and resistance. Sensitive D'Arsonval meter. Has selector switch for choosing ranges. Reads: 0-15-75-150-750 V.A.C. and D.C.; 0-1.5-15-150 M.A. D.C.; 0-15-150 M.A. A.C.; 0-1500 ohms, 1.5 meg., 3 meg. Voltmeter resistance is 1000 ohms per volt for all ranges. Has chart for accurate capacity measurements. Ideal for use with Model 1166A Auxiliary Set Tester to make a complete free-point analyzer. Supplied complete with test leads, prods, batteries and instructions. Etched metal panel. Size, 11⅛x7¼x4½ inches. Shpg. wt., 15 lbs.

B9933. List, $33.00. NET..... **$21.56**



V. T. VOLTMETER
MODEL 1250

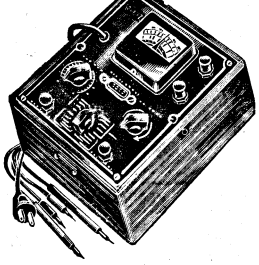
A laboratory Vacuum Tube Voltmeter for making accurate readings of AF, RF, and low A.C. or D.C. voltages. Useful for determining signal voltages, gain per stage, AVC voltages, etc. Bridge circuit design uses 1—6C6, 1—76, and 1—84. Calibration is always correct. High resistance input draws negligible current from circuit under test. Ranges: 0-2.5-10-50. For 110 volt, 50-60 cycle, A.C. With all necessary leads and tubes. Shpg. wt., 13 lbs. Etched metal panel.

B9935. List, $55.00. YOUR PRICE..... **$35.94**

MODEL 1251

Similar to Model 1250, but ranges read 3-15-75-300 volts.

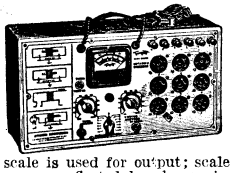
B9936. List, $71.50. NET..... **$46.72**



CONDENSER TESTER
MODEL 1241

A precision instrument for the service engineer. Tests for shorts, opens and high resistance leakages; capacities of condensers are determined by sensitive microammeter. Shadow-type meter is used to obtain exact line voltage adjustments. All A.C. and D.C. voltages to 1000 volts are available for breakdown, open, and capacity tests. Checks all paper, mica, oil, and electrolytic condensers in 4 ranges: .0001-.01, .01-.2, .2-2.0, 2.0-30.0 mfd. Has "GOOD-BAD" scale for electrolytics. For 110 volt, 60 cycle, A.C. operation only. Complete with rectifier tube and leads. Shpg. wt., 10 lbs. Metal case.

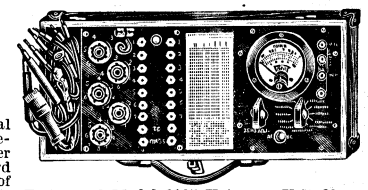
B9937. List, $41.25. YOUR PRICE..... **$26.95**



VIBRATOR TESTER
MODEL 1670 DELUXE

This new vibrator tester checks all automotive and home battery radio receiver vibrators under actual performance conditions. Tests are made under a 5000 ohm load as recommended by vibrator engineers. Three scale meter: 0-10 volt scale shows input voltage to vibrator; "GOOD-BAD" scale is used for output; scale marked 0-100 shows percent of output voltage as reflected by change in input voltage. Low-damped meter permits needle to follow voltage fluctuations. In black wrinkle-finished metal case, 11⅝x7⅞x4", with leather handle. Panel is etched in red and silver on black background.

B9939. List, $36.00. NET..... **$23.52**



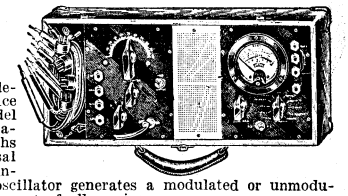
UNIVERSAL SELECTING ANALYZER
MODEL 1167-A

This instrument is ideal for making complete receiver analyses by either point-to-point or standard analysis method. Consists of Model 1166-A Auxiliary Set Tester and Model 1125 Universal Volt-Ohm-Milliammeter in a single oak case. Scales read as follows: 0-15-75-150-750 volts, A.C. or D.C., at 1000 ohms per volt. 0-1.5-15-150 D.C. M.A.; 0-15-150 A.C. M.A.; 0-1500 ohms, 0-1.5-3 megohms. Charts are supplied for capacity measurements. With etched metal panel.

TESTS ALL METAL AND GLASS TUBE SETS

A plug-in cable brings all set circuits to the 5 sockets on the panel; tip jacks permit external use of meter terminals for complete point-to-point analysis. In oak case, 16½x7½x4¾". Complete with all accessories, leads and instructions. Shpg. wt., 20 lbs.

B9934. List, $41.25. YOUR NET PRICE..... **$26.95**



PERPETUAL TESTER
MODEL 1180

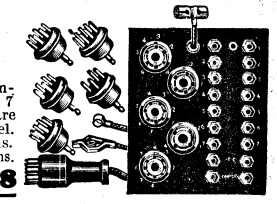
A professional instrument designed to meet precision service standards. Combines a Model 1151 shielded All-Wave Oscillator with large calibration graphs and a Model 1125 Universal Volt-Ohm-Milliammeter in a single oak carrying case. The oscillator generates a modulated or unmodulated signal for complete alignment of all receivers.

ALL-WAVE OSCILLATOR—VOLT-OHM-MILLIAMMETER COMBINED IN ONE CASE

The 1180 Perpetual Tester will check the overall performance of any receiver. Universal Meter reads: 0-15-75-150-750 Volts A.C. or D.C.; 0-1.5-15-150 M.A. D.C.; 0-15-150 M.A. A.C.; 0-1,500 ohms—1.5-3 megohms. Selector switch on panel chooses range quickly. A zero adjustment knob for the ohmmeter, an A.C.-D.C. switch and four tip jacks are also provided. The All-Wave Oscillator has four bands covering 110-500 K.C.; 500-3,000 K.C.; 2,000-6,000 K.C.; and 6,000-18,000 K.C. Complete shielding eliminates all radiation except through output jacks on oscillator. Completely operated from self-contained 22½ V. battery and 2—1½ V. flashlight cells. Supplied with test prods, leads and instructions. Shpg. wt., 20 lbs. Panels are etched metal.

B9938. List, $49.50. NET..... **$32.34**

FREE-POINT SET TESTER
MODEL 1166-A



For use with Model 1125 Volt-Ohm-Milliammeter. Panel contains 4, 5, 6, 7 and 8 prong sockets; all circuits are brought out to jacks on face of panel. Makes tests without removing chassis. Complete with adapters and instructions. Less case. Etched panel.

B9940. List, $16.50. NET..... **$10.78**

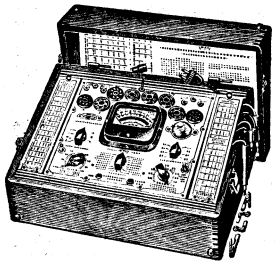
MODEL 1166-A IN CASE

The Model 1166-A Free-Point Auxiliary Set Tester as described above but in sturdy attractive oak carrying case with handle. Makes a handy instrument. Etched metal panel. Shpg. wt., 13 lbs.

B9924. List, $20.25. NET..... **$13.23**

TRIPLETT TEST EQUIPMENT Readrite RANGER

TRIPLETT TESTERS



MODEL 1503 MULTI-PURPOSE P.O.E. TUBE TESTER

- **Nine Instruments in One**
- **Accurately Checks All Metal and Glass Tubes**
- **Tests Paper and Electrolytic Condensers**
- **Provides Full and Adequate Circuit Analysis**

A new combination instrument of remarkable design. Provides complete test for all metal and glass tubes as well as circuit analysis. Tests all tubes for gain and output under actual operating conditions.

NINE INSTRUMENTS IN ONE

An ideal combination of nine separate instrument functions. Tests all tubes on large "GOOD-BAD" scale. Gives neon tests for tube shorts, or leakage of paper and electrolytic condensers. Meter reads: 0-10-50-250-500-1000 volts A.C. and D.C.; 1000-10,000-100,000 ohms, 0-1-10 megohms; -10 to +15 Db.; 0-10-50-250 M.A. D.C. Sensitivity is 1000 ohms per volt on D.C. and 400 ohms per volt on A.C. Housed in two-tone walnut case with sloping panel and removable cover; size, 15¾x11⅛x7½". For counter or portable use. For 110 volts, 50-60 cycles, A.C. Shpg. wt., 26 lbs.

B9926. List, $77.00. NET..... **$50.30**

MODEL 1504 MULTI-PURPOSE TUBE TESTER

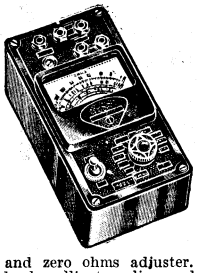
Similar to Model 1503 but with added provisions for circuit analysis. Ten instruments in one. Tubes are tested by power output method. Equipped with free-point tester, sockets and jacks in place of etched side panels as on Model 1503. For 110 volts, 50-60 cycles, A.C. Wt., 26 lbs.

B9927. List, $93.50. NET..... **$61.08**

MODEL 1502 POWER OUTPUT TUBE TESTER

A Power Output-Emission tube tester of de luxe design similar to the Model 1503 but without the Volt-Ohm-Milliammeter features. Tests all types of glass and metal tubes under actual operating conditions for gain, output, shorts, and leakage. Meter scale reads "GOOD-BAD." In walnut case as illustrated. For 110 Volts, 50-60 cycles A.C.

B9925. List, $60.50. YOUR PRICE..... **$39.52**



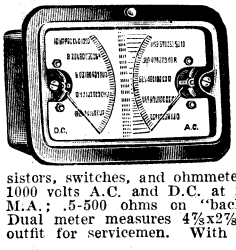
MODEL 666 VOLT-OHM-MILLIAMMETER

A new and improved service instrument of precise design and superior construction. Built around a sensitive Microammeter movement, it will accurately indicate values of Volts, Ohms and Milliamperes. Compensated copper-oxide rectifier provides measurement of A.C. Voltages. Meter scale reads: 0-10-50-250-500-1000 Volts D.C.; 0-10-50-250-500-1000 Volts A.C.; 0-1-10-50-250 M.A. D.C.; 0-300-250,000 Ohms. Higher resistance readings may be obtained with external battery. Meter sensitivity for both D.C. and A.C. voltages is 1000 Ohms per Volt. Panel carries three controls: A.C.-D.C. toggle switch, rotary meter-range switch, and zero ohms adjuster. Complete with battery, leads, alligator clips and instructions. Size 3⅛x5⅞x2⅛". Wt., 4 lbs.

B9928. List, $22.50. YOUR PRICE..... **$14.70**

B9929. MODEL 669. CARRYING CASE ONLY. Designed to offer complete protection for the Model 666 Volt-Ohm-Milliammeter for portable use. Sturdy construction; leather-covered.

NET..... **$3.60**



MODEL 1200-A VOLT-OHM-MILLIAMMETER KIT

2000 OHMS PER VOLT

A complete kit of parts for Service Engineers who wish to "build-their-own" Triplett 1200-A Universal A.C.-D.C. Volt-Ohm-Milliammeter. Kit includes: new Twin meter with separate A.C. and D.C. movements of 2% accuracy, marked panel plate, all necessary series and shunt resistors, switches, and ohmmeter rheostats. Meter reads: 0-10-50-250-500-1000 volts A.C. and D.C. at 2000 ohms per volt on D.C.; 0-1-10-50-250 M.A.; .5-500 ohms on "back-up" scale, 1500 ohms -1.5-3 megohms. Dual meter measures 4⅞x2⅞x1⅜"; flange is 3⅝x5⅝". A truly ideal outfit for servicemen. With complete instructions and blue prints.

B9930. Complete kit of all necessary parts as described above. Shpg. wt., 10 lbs. YOUR PRICE..... **$17.96**

MODEL 1200-C 5000 OHMS PER VOLT

A kit similar to Model 1200-A but incorporating a 5000 ohms per volt D.C. instrument. Also reads to 250 microamperes and 7.5 megohms. An ideal unit for accurately measuring all circuits including AVC and high resistance circuits without using batteries.

B9931. YOUR PRICE..... **$20.90**

NEW RANGER INSTRUMENTS

740 VOLT-OHM-MILLIAMMETER



A new precision Volt-Ohm-Milliammeter. Uses a Triplett Model 326 square precision meter with accuracy of 2% on D.C. and 5% on A.C. Readings are: 0-10-50-250-500-1000 Volts A.C. and D.C. at 1000 ohms per volt; 0-1-10-50-250 D.C. Milliamperes; 0-300-250,000 ohms with "back-up" scale for low range having mid-scale reading of 25 ohms. Ohmmeter scale can be made to read up to 2.5 megohms in .25 megohm steps. Case has compartment for test leads, tools, etc. Size, 6x7⅞x4⅛". Complete with test leads and instructions.

B9911. List, $32.50. NET.. **$19.11**

640 FREE-POINT TESTER



This Free-Point Tester when used with the 740 Multi-Meter above makes a complete circuit analyzer. Permits rapid analysis of circuits without disturbing circuit wiring. Has 5 sockets with standard R.M.A. markings for servicing all sets with new or old type of tubes, whether glass, octal or metal. 8 automatic and 10 standard jacks bring all circuits to the panel. Extra connections may be added later if necessary. In sturdy black metal case, measuring 4⅛x7⅞x6". Has convenient handle, and compartment for accessories. Complete with instructions.

B9912. List, $17.25. NET..... **$10.14**

MODEL 440 TUBE TESTER



Check all tubes speedily and accurately. A single unit tube tester using a 2" Triplett meter accurate to 2%. Has a "GOOD-BAD" scale in colors. Embodies the latest improvements. Built to stand large overloads. All of the R.M.A. standards for proper testing of tubes are included in the Model 440. Some of the salient features are: Direct-reading scale; tests metal and glass tubes; tests for leakage and shorts; meter is adequately protected against damage; uses A.C. meter for line voltage adjustments; requires only four simple operations in making complete tube tests. Metal case size 6x7⅞x4⅛". Complete with tube data charts. For 110 Volts, 60 Cycles A.C.

B9913. List, $31.50. NET..... **$18.52**

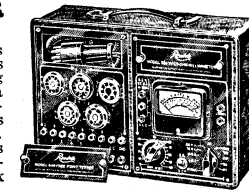
540 SIGNAL GENERATOR



Supplies signals on 5 frequency bands from 110 to 20,000 kilocycles, all fundamentals. Plug-in coils are accurately calibrated. Guaranteed accuracy is less than 1% on broadcast frequencies; less than 2% on short waves. Provides either modulated or unmodulated signal. Stability of operation is assured by rigid mechanical construction and carefully designed circuits. Completely shielded against static or magnetic fields. Equipped with necessary graphs, batteries and accessories. Fully-shielded; mounted in metal case 4⅛x7⅞x6".

B9914. List, $32.50. NET..... **$19.11**

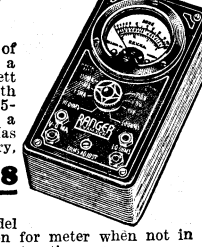
COMBINATION RANGER INSTRUMENTS



The Ranger units in the combinations shown below give you the instruments most necessary to your general servicing needs. They are offered to you at a substantial saving. Use them to complete your test equipment line and as portable laboratories on service calls. Available in combinations only as shown. Furnished in portable electro-black enameled metal cases, 11⁷⁄₁₆"x7⅞"x4⅛".

No.	Combinations	NET
B9916.	Model 640-740. Free-Point Tester and Multimeter.	**$27.78**
B9915.	Model 440-740. Tube Tester and Multimeter.....	**36.16**
B9917.	Model 440-540. Tube Tester and Signal Generator..	**36.16**
B9918.	Model 540-740. Signal Generator and Multimeter..	**36.75**

MODEL 735 D.C. VOLT-OHM-MILLIAMMETER

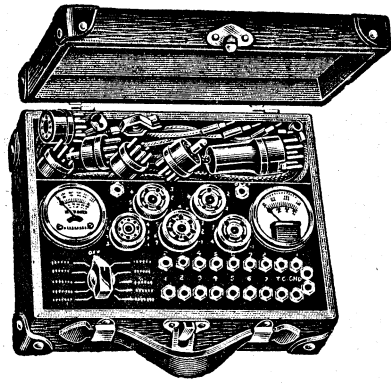


A complete, handy Volt-Ohm-Milliammeter of convenient small size; may be easily carried in a coat pocket or in the tool kit. Meter is a Triplett D'Arsonval type instrument with 2% accuracy, with scales for reading 0-15-150-750 Volts D.C.; 0-1.5-15-150 M.A.; .5-1000-100,000 ohms. Housed in a sturdy case, measuring only 3⅛"x5⅞"x2⅛". Has black and silver panel. Supplied with battery, leads and test clips. Molded case.

B9919. List, $18.00. NET..... **$10.58**

B9920. CARRYING CASE ONLY. For Model 735 Volt-Ohm-Milliammeter. Provides protection for meter when not in use or can be used as portable case. Sturdy construction; leather-covered. NET..... **$3.53**

Readrite TEST EQUIPMENT



READRITE POINT-TO-POINT ANALYZER

MODEL 720-A

Designed to test all parts of all radio circuits including modern metal as well as glass tube types. Measures voltages and currents accurately in any tube circuit. Resistance, continuities, and capacities are also quickly measured. Break-in jacks in all tube circuits provide a means of obtaining all current and voltage measurements. Equipped with 8-conductor cable and plug with necessary adapters for plugging into any type tube socket. Has separate A.C. and D.C. meters.

TESTS METAL AND GLASS TUBE CIRCUITS

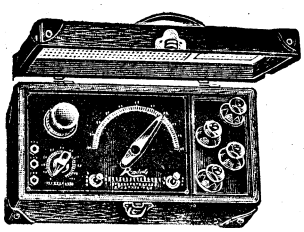
All meter ranges are available through a single pair of jacks. Selector switch quickly chooses proper scale on AC or DC meters. DC scales are: 0-15-150-300-600 Volts, 0-15-150 M.A.; AC scales are: 0-10-25-150-750 Volts. Complete analysis may be made without removing the receiver chassis from the cabinet. In leatherette case 11x4¾x8". Wt., 10 lbs.

B9900. Complete with adapters, charts, and instructions.
List, $25.00.
YOUR PRICE $14.70

FLEXIBLE OPERATION

Will make complete point-to-point tests between all tube socket terminals by means of break-in jacks. Permits complete circuit checking as well as standard tests of voltage, current, and continuity. Easy to operate; extremely portable.

B9901. MODEL 730-A. Similar to the Readrite 720-A described above. Has precision Triplett DC voltmeter with 1000 ohms per volt sensitivity. Complete with all instructions.
YOUR NET PRICE $18.23



READRITE ALL-WAVE SIGNAL GENERATOR

MODEL 554-A

A completely shielded All-Wave Oscillator. Tube-modulated and battery-operated. Plug-in coils are used to give complete coverage on five over-lapping fundamental bands, from 100-20000 K.C. Designed to meet all present and future requirements. For additional frequency bands to meet future requirements, it is only necessary to add new coils. The extra-large scale permits accurate frequency settings.

5 BANDS: 100-20000 K.C.

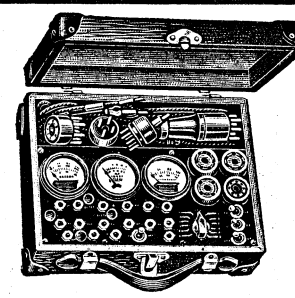
Calibration curves are supplied for each of the five bands: 100-360 K.C.; 350-1050 K.C.; 940-3700 K.C.; 3300-10800 K.C.; 8800-20000 K.C. Two type 30 tubes are used—one as R.F. oscillator and one as audio oscillator. A modulation "on" and "off" switch is provided. A variable attenuator on front panel varies oscillator output over entire range. Circuits are thoroughly stabilized for dependable operation. Permits complete alignment of all types of radio receivers, furnishing all Short Wave, Broadcast, and Intermediate frequencies. Housed in a sturdy leatherette carrying case with removable hinged cover. Size, 12x6½x5¾". Batteries are self-contained.

B9904. Complete with coils, tubes and batteries.
List, $24.00. NET..... $14.11

MODEL 557 DIRECT-READING

Similar to Model 554-A above but with direct-reading dial. Accuracy of calibration is less than 1% on broadcast band and 3% on high frequency ranges. Completely shielded. Leatherette case, 12" x 6½" x 5¾". Wt., 12 lbs. With tubes and batteries.

B9905.
List, $31.50. NET.. $18.52



READRITE ANALYZER

MODEL 710-A

A new Readrite Standard Analyzer which completely and accurately tests all parts of all metal and glass tube receiver circuits. Meters may be connected into various parts of the circuit for testing plate, filament, grid, screen and line voltages and currents. A 4½ volt battery is required for testing continuity and resistance of all resistors, chokes, transformers, etc., without removing the radio chassis from the cabinet. Charts are provided for use in testing condensers and for measuring resistances up to 100,000 ohms. Meters are accurate to within 5%. A reliable low-priced test instrument for the small service shop. Will check voltage, current, capacity and continuity in any set and for any of the tubes in the set, whether A.C. or battery type.

FOR ALL OCTAL AND GLASS TUBE CIRCUITS

Four sockets are provided to accommodate all metal and glass tubes. The analyzer cable is equipped with a small-size latch-type plug and adapters to fit all sets. The three meters provide the following readings: 0-20-60-300-600 Volts DC; 0-10-140-700 Volts AC; 0-15-150 M.A. DC. External jacks are provided for using these nine scales separately. 12 position selector switch connects the meters into various parts of circuit under test. Housed in a sturdy, attractive leatherette case, 11"x8½"x4". Shpg. wt., 10 lbs.

B9902. Complete with plug, cable, and instructions.
List, $27.50.
YOUR PRICE $16.17

MODEL 712-A

Same as 710-A described above, but with 1000 ohms per volt Triplett d'Arsonval DC meter. Voltmeter reads: 0-15-60-300-600 Volts. In leatherette case. Shipping wt., 11 lbs.

B9903. Complete with plug, cable, adapters and instructions.
List, $37.00.
YOUR PRICE $21.76



NEW READRITE 430 TUBE TESTER

A brand new, inexpensive direct-reading Tube Tester. Quickly and accurately determines condition of all metal and glass type tubes. Two meters are provided; one is a Triplett Model 221 meter with "GOOD-BAD" scale; the other is shadow-type AC meter for adjusting line voltage. Simple to operate for accurate tube condition tests. Applies actual load values to tube under test. Has five sockets which handle all 4, 5, 6, 7 and the new 8 prong Octal tubes. Up-to-date in design and performance. Checks all tube types completely and accurately. Positively and efficiently indicates the presence of the slightest leakages and all shorts.

TESTS NEW METAL & ALL GLASS TUBES

The new Readrite 430 Tube Tester checks all Octal base metal tubes as well as every existing glass type. Shows condition of tube as "GOOD" or "BAD" on English-reading meter. Tests for shorts and leakage are read directly on meter. Meter is protected against damage. Controls are provided for adjusting proper line voltage, filament voltage and tube load. An additional control selects proper tube socket connections. Actual tube test is made by pressing a single button. The Readrite 430 Tube Tester is attractively housed in a quartered oak case with removable cover and sloping silver and black etched panel. Ideal for either portable or counter use. Shpg. wt., 17 lbs. Increase your tube sales business with the new Readrite 430 Tube Tester which completely checks the condition of all metal and glass tubes. A highly dependable tube tester built to efficient standards and offered at an attractive low price.

MODEL 431

As described above, but with accurate Readrite "GOOD-BAD" English-reading meter in place of Triplett meter. Complete with cord and plug and instructions. For 110 volt, 60 cycle AC operation.

B9906.
List, $26.50.
YOUR PRICE $15.58

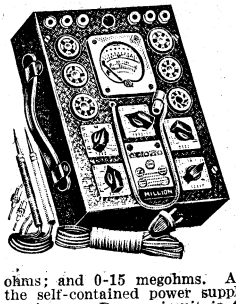
MODEL 430

The Readrite 430 direct-reading Tube Tester exactly as described above, with Triplett Model 221 Meter. Complete in oak case with full instructions. For 110 volt, 60 cycle AC operation.

B9907.
List, $33.00.
YOUR PRICE $19.40

SERVICE *Instruments*

MILLION TEST EQUIPMENT



MODEL TV TUBE TESTER AND MULTIMETER

Combines tube tester features together with the analyzer scales and functions most commonly used in servicing a radio receiver. Accurately tests the emission of all types of tubes including the new octal base glass and metal types. Neon bulb test shows all shorts and leaks up to 2 megohms between any elements with tube "Hot." All tube quality tests are made on a large 3" square D'Arsonval meter with a brilliantly illuminated dial for easy-reading. Has the following multimeter ranges: 0-30-300-900 volts DC at 5000 ohms per volt; 0-300 microamperes; 0-3-30-300-600 milliamperes DC; 0-9 amperes DC; .01-3 mfds.; 0-10,000 ohms; and 0-15 megohms. All resistance measurements are made with the self-contained power supply giving readings directly to 15 megohms maximum. Power circuit is fused for meter protection. For 110 Volts, 60 cycle, A.C. Shpg. wt., 8 lbs.

B10375. NET..... **$27.95**

MODEL TM TUBE TESTER

A tube tester designed to test all tubes including metal, metal-glass and glass tubes. A large English-reading "GOOD-BAD" scale indicates the exact condition of the tubes under test. Contains all other features of the Model TV above except the voltage, current and resistance features. For 110 V. 60 cycles A.C. Wt., 8 lbs.

B10376. NET..... **$16.95**

MODEL OM MULTIMETER—20,000 OHMS PER VOLT

B10377. Ranges: 0-3-30-300-900 volts DC at 20,000 ohms per volt, and AC at 1000 ohms per volt; 0-60-300 microamperes; 0-3-30-300-600 MA; 0-10,000 ohms; 0-10-30 megs.; and power level scale in Db. Built-in test leads. Metal case. Wt. 6 lbs.

NET..... **$29.95**

MODEL VO MULTIMETER—5000 OHMS PER VOLT

B10378. Similar to Model OM, but does not have 0-60 microamperes and 0-30 meg. ranges. Case is finished in hard-baked black enamel. Live rubber mounting feet. Sensitive D'Arsonval meter has special high torque movement. Wt. 5 lbs.

NET..... **$19.95**



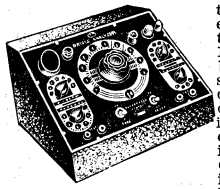
MILLION TUBE AND CONDENSER TESTER

MODEL CP. This new emission type tube tester tests all tubes including the newest metal and glass octal base types. The exact condition of the tube under test is clearly indicated on the English-reading "GOOD-BAD" scale of the accurate D'Arsonval meter. Neon tube shows shorts and leakages up to 2 megohms. This same leakage test can be used through external jacks for the measurement of resistance and for checking bypass and electrolytic condensers. For 110 Volts, 60 cycles, A.C. Shpg. wt., 6 lbs.

B10361. NET..... **$13.95**

B10379. MODEL CN. Same as above, but neon bulb performs functions of meter used in Model CP. Jacks are provided for testing resistance, condenser leakage, etc. NET..... **$9.95**

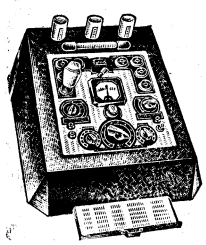
NEW TOBE BRIDGE ANALYZER



Combines in a single low-priced instrument the necessary equipment for making every essential test of condensers and resistors. Determines resistance values between 1 ohm and 1 megohm, as well as values of capacitance between 10 mmf. and 100 mfd., and the resistance, power factor, leakage, and general condition of any electrolytic, mica, or paper condenser. All dials are direct-reading. It is not necessary to refer to any additional charts or calibrations. The null point is indicated by an electric eye with preamplifier. Contained in a rugged steel case with sloping panel on which all controls are grouped. Complete with tubes, leads and instructions. For 110 Volt, 60 cycle AC only.

B10340. NET..... **$28.50**

NEW RTL COUNTER TUBE TESTER

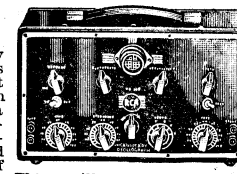


A new "double-checking" tube tester. Uses the exclusive RTL tube-testing circuit. Grid and plate voltages oppose to produce a meter reading affected simultaneously by ability of the grid to control plate current and ability of the cathode to furnish this current. Rejection results either from defective grid control or from spotty and worn-out cathodes. Tests all tubes now in use with ample provision for future types. Tube condition is indicated simultaneously on meter and flashing lights in glass cylinders which indicate "BAD," "WEAK" and "GOOD." Has earphone test for noise. In grey crystalline enamel finished case with chrome steel panel. For 110 Volt, 60 cycle, AC.

B10345. NET..... **$52.92**

RCA TEST EQUIPMENT

MODEL 151 CATHODE-RAY OSCILLOGRAPH



Uses new 913 one-inch cathode-ray tube. Gives you all the valuable features of the larger instruments at the lowest possible price. The many tests which can be made with this instrument make it a true X-ray for radio service work. Sensitivity, 1.75 volts RMS per inch deflection. The separate horizontal and vertical amplifiers each have a gain of 50 and are flat from 30-10,000 cycles. This oscilloscope will aid in aligning receivers visually, check distortion, gain and hum, as well as perform other equally valuable tests. All controls are on nickel-silver front panel. In sturdy gray wrinkle lacquered case, 13¾x9½x7¾". For 110 Volts, 50-60 cycles, AC only. Complete with five tubes: 1—913, 1—885, 2—6C6, and 1—80.

B10168. YOUR NET PRICE..... **$47.50**

MODEL 150 ELECTRONIC SWEEP TEST OSCILLATOR

For use with an oscilloscope for visual alignment. Variable electronic sweep from 1 to 40 KC wide has sweep rate of 120 times per second Large 4" dial is directly calibrated to cover entire range of 90 to 32,000 KC on fundamentals; indirectly lighted for elimination of parallax. Dial has two vernier ratios, 2 to 1 and 5 to 1. R.F. output is .25 volts with smooth three-step attenuator. Gives 400 C.P.S. modulated or unmodulated signal. Fully shielded. Complete with tubes and instructions.

B10169. YOUR NET PRICE..... **$64.50**

MODEL 4317 OUTPUT INDICATOR



A small efficient output indicator for use with an oscillator when aligning receivers. High sensitivity neon glow lamp indicates resonance accurately. Has three input impedances, 4 ohms, 1½ ohms, and .6 ohms. Works from any dynamic speaker; not affected by overload. Molded bakelite case 5⅝x2⅞x2⅝". Wt., 1 lb.

B7619.
YOUR NET PRICE..... **$4.00**

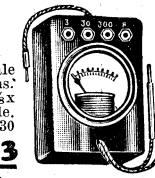
PORTABLE STANDARD VOLT-OHMMETER



A practical and convenient pocket-size Volt-Ohmmeter. Scale calibrated 0-10,000 ohms, and 0-300 volts D.C. Mounted in sturdy metal case 3 inches in diameter; 1½ inches deep. Equipped with 32 inch test leads. Includes self-contained flash-light cells. Switch is provided for rapid changeover from volts to ohms or vice versa.

B2894. YOUR PRICE..... **$2.50**

PORTABLE SIMPLEX VOLT-OHMMETER



An exceptionally compact, pocket-size test unit. Scale marked 0-3, 0-30, 0-300 volts D.C., and 0-10,000 ohms. Attractive black finished bakelite case measures 1⅝x2⅞x3⅞". Has pin jacks for quick selection of desired scale. Self-contained batteries included. Supplied with 30 inch polarized test-leads, and instructions.

B2892. YOUR PRICE..... **$3.23**

PORTABLE PRECISION VOLT-OHMMETER

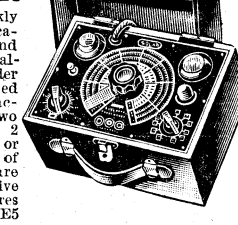
A pocket-size volt-ohmmeter. Moving coil meter has accuracy of 2%. Ranges: 0-5-50-500 volts DC at 1000 ohms per volt; 0-500,000 ohms. Ohmmeter has zero adjustment. In black bakelite case 3x2x1". Has 30" polarized test leads.

B2893. YOUR PRICE..... **$7.79**

NEW MODEL 363 UNIVERSAL AC-DC V. O. M.

B2891. Universal AC-DC Volt-Ohm-Milliammeter. Ranges: 0-15-150-450 volts and 0-15 ma., AC and DC; 0-20,000-100,000 ohms, with built-in power supply which works from 110 V. A.C. or D.C.; .01-20 mfds. With leads and instructions. NET..... **$7.94**

ACCURATE SOLAR CAPACITY ANALYZER



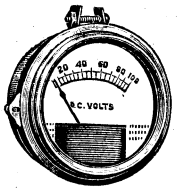
A sensational new instrument for quickly and accurately determining the worth and capacity of any condenser between .00001 and 70 mfd. A 6E5 tube is used as a bridge-balance indicator; capacity of condenser under test is shown directly on accurately calibrated color-coded scale. Also measures power factor, and detects defective condensers. Two large resistance scales give readings up to 2 megohms, for checking insulation resistance, or for measuring resistors. Checks all types of condensers. No headphones, meters, etc., are required; compactly built in sturdy, attractive cabinet, with handle for carrying. Measures 9½x7⅛x6¼". Requires 1—1V and 1—6E5 (not supplied). Shpg. wt., 9 lbs.

B10186. Model CB-1-60. For 110 V. 60 cycle. NET..... **$18.82**

B10187. Model CB-2-U. For 110-220 V. 25-60 cycle. NET..... **$23.52**

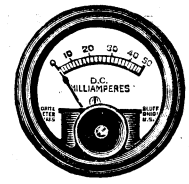
READRITE PANEL METERS

MODEL 55 D. C.



Standard Type

The popular and economical Readrite line used extensively in radio and electrical work where an efficient low-priced meter is required. Accuracy assured within 5%. D.C. meters are polarized vane, solenoid type. Require 25/64" mounting hole. Have easy reading white dial, black lettering and full nickel-finish metal shell. Clamp included to hold meter tight against panel. Screw connections with binding nuts on rear. 2¼" diameter. Readily convertible for outside flange mounting with use of No. 65A Flange ring. Zero adjustment type has screw on meter face to control idle position of needle.



Zero Adjustment

D. C. VOLTMETERS

Without Zero Adjustment No.	Net Each	Resist Ohms	Volts	With Zero Adjustment No.	Net Each
B7350	59c	30	0-1	B7375	73c
B7351		175	0-3	B7376	
B7352		550	3-0-3	B7377	
B7353		410	0-5	B7378	
B7354	59c	550	0-6	B7379	73c
B7355		850	0-8	B7380	
B7356		1475	0-10	B7381	
B7357		2914	0-15	B7382	
B7358		1625	0-25	B7383	
B7359	$1.62	7720	0-25	B7384	$1.76
B7360	.59	3250	0-50	B7385	.73
B7361	1.91	15440	0-50	B7386	2.06
B7362	.88	6500	0-100	B7387	1.03
B7363	1.91	30888	0-100	B7388	2.06
B7364	1.03	9750	0-150	B7389	1.18
B7365	1.91	46320	0-150	B7390	2.06
B7366	1.91	92640	0-300	B7391	2.06
B7367	2.65	154400	0-500	B7392	2.79
B7368	3.23	231600	0-7 0	B7393	3.38
B7369	1.32	16200	0-8-160	B7394	1.47
B7370	2.65	92640	0-60-300	B7395	2.79
B7371	3.23	180000	0-20-60 -300-600	B7396	3.38

D. C. MILLIAMMETERS

Without Zero Adjustment No.	Net Each	Resist Ohms	M. A.	With Zero Adjustment No.	Net Each
B7400	$1.32	2160	0-5	B7414	$1.47
B7401	1.18	700	0-10	B7415	1.32
B7402	.59	295	0-15	B7416	.73
B7403	.59	85	0-25	B7417	.73
B7404	59c	20	0-50	B7418	73c
B7405		5.5	0-100	B7419	
B7406		3.3	0-150	B7420	
B7407		1.9	0-200	B7421	
B7408	$0.59	.8	0-300	B7422	$0.73
B7409	.59	.5	0-400	B7423	.73
B7410	1.18	175-30	0-20-100	B7424	1.32
B7411	1.18	305-24	0-15-150	B7425	1.32

D. C. AMMETERS

No.	Net Each	Type	Amps.	No.	Net Each
B7428	59c	380	0-1	B7438	73c
B7429		336	0-3	B7439	
B7430		381	0-5	B7440	
B7431		338	0-10	B7441	
B7427	$0.88	382	0-25	B7437	$1.03
B7426	1.47	383	0-50	B7449	1.62
B7432	59c	101	1-0-1	B7442	73c
B7433		303	3-0-3	B7443	
B7434		606	6-0-6	B7444	
B7435		110	10-0-10	B7445	
B7436		220	20-0-20	B7446	
B7448	$1.18	330	30-0-30	B7447	$1.32

MODEL 55 A. C. METERS

Double vane repulsion type. Clamp-on flush mounting. Accurate within 10%.

Voltmeters

No.	Volts	Each
B7450	0-4	$1.62
B7451	0-6	1.62
B7452	0-10	1.62
B7453	0-15	1.62
B7454	0-150	2.65
B7455	0-300	3.23
B7456	0-600	3.82
B7457	0-750	4.56
B7458	0-10-140	2.65

Plug In Line Type

B7459	0-150	$1.91

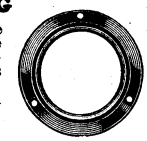
Milliammeters

No.	M. A.	Each
B7462	0-25	$1.62
B7463	0-50	
B7464	0-100	
B7465	0-250	
B7466	0-500	

Ammeters

No.	Amps.	Each
B7468	0-1	$1.62
B7469	0-3	
B7470	0-5	
B7471	0-10	
B7472	0-50	$2.20

65A FLANGE RING

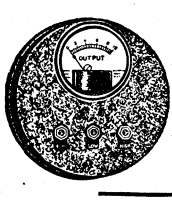


Converts any type Readrite Model 55 meter for flange mounting. 2¾" flange diameter. Easy to mount. Has black finish to match bakelite panels. Complete with mounting screws and nuts.

B7473. List, 15c.
YOUR PRICE **9c**

OUTPUT METER

MODEL 575



Indicates output voltages for correct alignment of RF and IF stages. Ranges: 0-5, 0-50 volts. Has copper-oxide rectifier. In 4½" black enamelled metal case. Has tip-jacks for leads.

B7348.
NET **$4.85**

MODEL 515 OUTPUT METER

Same as Model 575 above but with Triplett meter. Has range of 2.5-5 volts. 750 ohms resistance per volt

B7349. List, $16.50. NET.... **$9.70**

RESISTANCE METER

MODEL 501



Direct reading: 0-10,000 ohms, 0-4½ volts. Measures resistance and checks continuity in radio and electrical circuits. Uses 3 small flashlight cells.

B7341. NET..... **88c**

RESISTORS

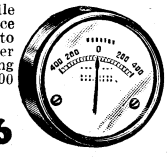
No. 503 Resistor. 1150 ohms resistance to increase No. 501 ohmmeter reading to 50,000 ohms when used with a 22½ Volt battery.

B7343. List, $1.00. NET..... **59c**

504 Resistor. 2,300 ohms, center-tapped, for use with 45 V. "B" to increase reading of No. 501 ohmmeter to 100,000 ohms.

B7344. With tip jacks.
List, $2.25. NET..... **$1.32**

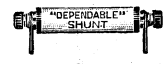
INDUCTION AMMETER



Indicates automobile starter current. Simply place meter over starter cable to read current flow. Meter back has cable-locating groove. Reads 400-0-400 amp. D.C.

B7499. Model 444.
List, $3.00
NET **$1.76**

RADIO CITY SHUNTS



Individually calibrated to an accuracy of ±1%. Ideal for use with milliammeters such as those having 0-1 scales for increasing their ranges. Capacity of each unit about 1 watt. Negligible temperature coefficient. Size 2¾x⅞".

27 OHMS METER RESISTANCE

No.	Milliamp.	No.	Milliamp.
B2355	5	B2359	100
B2356	10	B2360	250
B2357	25	B2361	500
B2358	50	B2362	1000

30 OHMS METER RESISTANCE

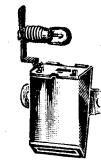
B2364	5	B2368	100
B2365	10	B2369	250
B2366	25	B2370	500
B2367	50	B2371	1000

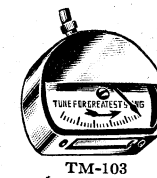
50 OHMS METER RESISTANCE

B2373	5	B2377	100
B2374	10	B2378	250
B2375	25	B2379	500
B2376	50	B2380	1000

List, Each, $1.40.
NET, EACH **82c**

TUNING METERS

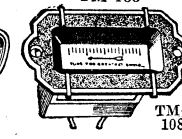

TM-121



TM-103



TM-102


TM-108

For accurate visual tuning of modern A. V. C. sets. High resistance milliammeters in neat, easy-to-mount cases. Indicate exact tuning resonance when needle swings to its farthest point. Four types are available, each with full scale deflections as listed. Model 121 is shadow-tuning type. Supplied less escutcheons.

TM-103

Front or bottom illuminated type with opaque dial.

No.	M.A.
B7475	0-5
B7476	0-7
B7477	0-10
B7478	0-15

TM-108

Needle shadow indicator type with translucent dial.

No.	M.A.
B7485	0-5
B7486	0-7
B7487	0-10
B7488	0-15

TM-102

Rear lighting type, with translucent dial.

No.	M.A.
B7480	0-5
B7481	0-7
B7482	0-10
B7483	0-15

TM-121

Shadow graph type; indicates resonance at narrowest point.

No.	M.A.
B7490	0-5
B7491	0-7
B7492	0-10
B7493	0-15

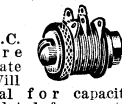
Choice of any type above, less escutcheon. List, $1.50.
NET, EACH **88c**

ESCUTCHEONS

B7495. For TM-108, 121.
B7496. For TM-102, 103.
List, 30c. NET EACH..... **18c**

FULL-WAVE COPPER-OXIDE RECTIFIERS

5 M. A. CAPACITY



For converting moving-coil D.C. meters with less than 5 milliamperes drain, to A.C. instruments. Insulated flexible wire leads allow mounting inside meter. 3/16" square. Mounting centers, 7/32". Comes complete with wiring diagram and full instructions.

B2500.
YOUR PRICE **$2.15**

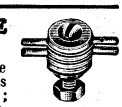
20 M. A. CAPACITY



Makes A.C. meters out of D.C. instruments drawing not more than 20 milliamperes. Accurate on all frequencies to 5 KC. Will not need re-calibration. Ideal for capacity measurements. 6-32 bolt, insulated from rectifier, for convenient mounting. 7/16" round, ¾" long.

B2501. YOUR PRICE..... **$1.88**

50 M. A. CAPACITY



For heavy-duty service in circuits drawing up to 50 M.A. D.C. Handles A.C. of all frequencies to 5000. Maximum A.C. volts: 600. Use to rectify 110 Volts A.C. for excitation of D.C. dynamic speakers with 2250 to 3500 ohm fields.

B2502.
YOUR PRICE **$1.75**

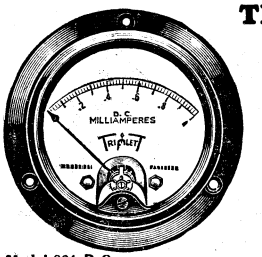
CRS COPPER OXIDE RECTIFIERS

Exceptionally small full-wave rectifier for converting D.C. meters for A.C. use. Input 10 volts RMS; output 20 M.A. Ideal for analyzers, test panels, etc.

B2503. NET EACH..... **$2.06**

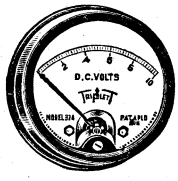
Quality METERS TRIPLETT • BEEDE

TRIPLETT PRECISION METERS



Model 321 D.C.
Model 331 A.C.

These accurate, dependable meters are available in a variety of styles, sizes and ranges. Ideal for service instruments, transmitters, diathermy machines, or any equipment requiring high-grade indicating meters. The rugged D'Arsonval movement used assures accuracy within 2%. The extra-light moving-coil carrying the balanced aluminum needle moves on sapphire jewel bearings. Scales are white enameled metal. Equipped with zero adjusters. In dustproof cases. A.C. meters are movable iron repulsion type. A high-grade attractively-priced line.



Model 324 D.C.
Model 334 A.C.



Model 223 A.C.
Model 233 A.C.

METER DIMENSIONS

Model	Flange	Mtg.	Scale	Case
321	3½"	Flush	2⅜"	Bakelite
324	3¼"	Projection	2⅜"	Bakelite
223	2⅝"	Clamp on	1²⁵⁄₃₂"	Metal
331	3½"	Flush	2¹⁄₆₄"	Bakelite
334	3¼"	Projection	2¹⁄₆₄"	Bakelite
233	2⅝"	Clamp on	1¹⁵⁄₆₄"	Metal
521	5¼"	Flush	3⅛"	Bakelite

D. C. MILLIAMMETERS

3½ Inch Model 321	3½ Inch Model 324	3½ Inch Net	2 Inch M. A.	2 Inch Model 223	2 Inch Net
B8650	B8664	$4.57	0-1	B8678	$3.75
B8651	B8665		0-1.5	B8679	
B8652	B8666	3.75	0-5	B8680	2.94
B8653	B8667		0-10	B8681	
B8654	B8668	3.75	0-15	B8682	2.94
B8655	B8669		0-25	B8683	
B8656	B8670		0-50	B8684	
B8657	B8671		0-100	B8685	
B8661	B8675		0-150	B8689	
B8658	B8672	3.75	0-200	B8686	2.94
B8659	B8673		0-300	B8687	
B8660	B8674		0-500	B8688	
B8662	B8676		0-750	B8690	

D. C. VOLTMETERS
(125 Ohms Per Volt)

321	324	Net	Volts	223	Net
B8691	B8700	$3.75	0-10	B8711	$2.94
B8692	B8701		0-15	B8712	
B8693	B8702		0-25	B8713	
B8694	B8703		0-50	B8714	
B8695	B8704	$3.75	0-100	B8715	$2.94
B8696	B8705	3.75	0-150	B8716	2.94
B8697	B8706	5.39	0-300	B8717	4.24
B8698	B8707	6.04	0-500	B8718	5.06
B8699	B8708	7.18	0-750	B8719	6.04
B8710	B8709	9.31	0-1000	B8720	8.33

D. C. VOLTMETERS
(1000 Ohms Per Volt)

B8722	B8732	$5.39	0-5	B8742	$4.24
B8723	B8733		0-10	B8743	
B8724	B8734		0-25	B8744	
B8725	B8735		0-50	B8745	
B8726	B8736	$5.71	0-100	B8746	$5.06
B8727	B8737	5.71	0-150	B8747	5.06
B8728	B8738	6.53	0-300	B8748	5.71
B8729	B8739	7.18	0-500	B8749	6.53
B8730	B8740	8.98	0-750	B8750	7.84
B8731	B8741	10.45	0-1000	B8751	9.31

D. C. AMMETERS

3½ Inch 321	3½ Inch 324	3½ Inch Net	2 Inch Amps.	2 Inch Model 223	2 Inch Net
B8752	B8763	$3.75	0-1	B8773	$2.94
B8753	B8764		0-5	B8774	
B8754	B8765		0-10	B8775	
B8755	B8766		0-25	B8776	
B8759	B8770	3.75	20-0-20	B8780	2.94
B8760	B8771		30-0-30	B8781	

A. C. MILLIAMMETERS

331	334	Net	M. A.	233	Net
B8805	B8813	$3.75	0-10	B8821	$2.94
B8806	B8814		0-15	B8822	
B8807	B8815		0-25	B8823	
B8808	B8816		0-50	B8824	
B8809	B8817	3.75	0-100	B8825	2.94
B8810	B8818		0-250	B8826	
B8811	B8819		0-500	B8827	

A. C. VOLTMETERS

331	334	Net	Volts	233	Net
B8830	B8842	$3.75	0-5	B8854	$2.94
B8831	B8843		0-10	B8855	
B8832	B8844		0-15	B8856	
B8833	B8845		0-25	B8857	
B8834	B8846	$3.75	0-50	B8858	$2.94
B8835	B8847	3.75	0-100	B8859	2.94
B8836	B8848	4.55	0-150	B8860	3.75
B8837	B8849	5.39	0-300	B8861	4.73
B8838	B8850	$7.18	0-500	B8862	$6.53
B8839	B8851	8.33	0-750	B8863	7.51
B8840	B8852	10.45	0-1000	B8864	9.63

A. C. AMMETERS

331	334	Net	Amps.	233	Net
B8866	B8873	$3.75	0-1	B8880	$2.94
B8867	B8874		0-2	B8881	
B8868	B8875		0-3	B8882	
B8869	B8876		0-5	B8883	
B8870	B8877		0-10	B8884	
B8871	B8878	$4.55	0-25	B8885	$3.75
B8895	B8897	5.88	0-50	.....	.....
B8896	B8898	8.15	0-75	.....	.....

TRIPLETT FOUNDATION METERS

1000 OHMS PER VOLT



MODEL 321

This high-quality 3½" precision meter with its associated multipliers and shunts affords the service engineer or experimenter the opportunity to build an extremely accurate multi-scale volt-ohm-milliammeter at low cost. The basic instrument is a Triplett Model 321 0-1 milliammeter. Internal resistance 100 ohms. Dial has five D.C. scales: 0-10-50-250-500 volts; 0-10-50-250 milliamperes, and 0-100,000 ohms. A hair-line needle indicator simplifies readings. Complete with wiring diagram.

B8946. List, $7.50. NET..... $4.90



MODEL 521

This giant-sized 5½" meter has an extended scale length of 3". Its unusual size and striking appearance make it an impressive instrument for the serviceman's test bench. Large-sized numerals and long needle pointer. Basic movement gives a full scale reading of 1 M.A. at 100 millivolts. The large white-enameled dial scale has five direct-reading D.C. scales: 0-10-50-250-500 volts; 0-10-50-250 milliamperes, and 0-100,000 ohms. Complete with wiring diagram.

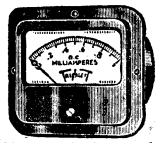
B8947. YOUR PRICE..... $6.86

RESISTORS AND SHUNTS

With the kits listed below, you can extend the range of the two meters above to read 0-1, 0-50, 0-250, 0-500 Volts D.C., at 1000 ohms per volt; 0-10, 0-50, 0-250 MA.; and 0-100,000 ohms.

B8942. MODEL 10: Resistors mounted on bakelite for 0-10-50-250-500 volts. NET... $4.90
B8943. MODEL 11: Shunts mounted on bakelite for 0-10, 0-50, 0-250 MA. NET.... 1.79
B8944. MODEL 12: Current limiting resistor for 100,000 ohms. NET..... .65

TRIPLETT MODEL 326 D.C. MILLIAMMETERS



Precision built meters in a new modern style. Square molded bakelite cases, flush mounting type. Require 2⅛" diam. mounting hole. Overall size, 3⅛x2 15⁄16". Scale length 2⅜". Precision construction; genuine sapphire jewel bearings. D'Arsonval movement, extra light moving coil, etc. Accuracy within 2%.

No.	M. A.	Approx. Res.	NET
B8785	0-1	33.	$4.57
B8786	0-5	8.5	$3.75
B8787	0-10	3.1	
B8788	0-25	1.2	
B8789	0-50	.6	
B8790	0-100	.3	$3.75
B8791	0-150	.23	
B8792	0-200	.15	
B8793	0-250	.12	
B8794	0-300	.1	$3.75
B8795	0-400	.08	
B8796	0-500	.06	

BEEDE MILLIAMMETERS
MODEL 701



Highly accurate and compact D'Arsonval type meters. Moving coil design. Combine ruggedness with accuracy within 2%. Have zero adjustment, sapphire bearings, aluminum pointers. Flush mounting, 3¼" dia. in metal case.

D. C. MILLIAMMETERS

No.	M. A.	List	NET
B2300	0-1	$6.00	$3.53
B2301	0-10	4.75	2.79
B2302	0-100	4.75	2.79
B2303	0-200	4.75	2.79
B2304	1-0-1	6.00	3.53

VOLT-OHM-MILLIAMMETERS

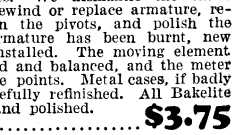
Multi-scale meters for use as foundation units. Build your own point-to-point analyzer or test panel using one of these meters as the Volt-ohm-milliameter. Scale ranges provided are those most generally used in service and test instruments.

Meter only. Reads 0-1 M.A.; 0-50,000 ohms; 0-15-30-300 D.C. volts.
B2315. MODEL 701. NET..... $3.53

Meter only. Reads 0-1 M.A.; 0-2000 ohms; 0-5-250-750 D.C. volts.
B2317. MODEL 701. NET..... $3.53

Write for prices for other Beede meters.

METER REPAIR SERVICE



Whether your meter is burned out or damaged mechanically, our laboratory-standard meter service will put it back into good condition. All repairs are made by trained technicians and are calibrated against standards of the highest accuracy. Here is a fine service that amateurs, servicemen and experimental laboratories need. Prices shown below are representative. Send cash with order. For prices on services not shown, send meter prepaid for inspection.

SERVICE A: For 3½" meters with burned-out or open armatures. We dismantle the entire moving element, rewind or replace armature, replace and sharpen the pivots, and polish the jewels. If the armature has been burnt, new hair-springs are installed. The moving element is then reassembled and balanced, and the meter calibrated at three points. Metal cases, if badly scratched, are carefully refinished. All Bakelite cases are buffed and polished.
YOUR COST $3.75

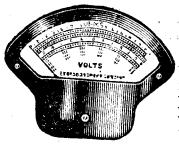
SERVICE B: For sluggish or erratic meters. Same as Service A except that armature and hair-springs are not replaced.
YOUR COST $2.95

SERVICE C: If glass is cracked, scratched or broken, we will replace it for an additional charge of..... **90c**

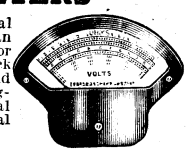
Prices above cover only replacement parts specified in each service. Additional parts, such as pointers, springs, zero adjusters, case, etc., will be supplied at the lowest possible prices.

TEST EQUIPMENT *Adapters·Plugs*

NEW BEEDE FOUNDATION METERS



These new Beede Foundation Meter Kits are ideal for building an efficient Volt-Ohm-Milliameter at an attractively low price. An invaluable instrument for the Serviceman, Amateur or Experimenter. The black bakelite fan-type case is 4½" long and 3⅝" high and mounts in a 2¾" diameter round hole. The large figures on the long 3⅜" scale are indicated by a special knife-edge pointer. The 2% accuracy D'Arsonval movement is carried on sapphire jewel bearings.



1000 OHMS PER VOLT

You can build an efficient Volt-Ohm-Milliammeter around this high quality Beede Foundation Meter. It employs a sensitive 0-1 MA movement, 50 ohms internal resistance. Scales are: 0-10-25-50-100-250-500 volts D.C.; 0-1,000 ohms-1 megohm; and 0-10-100 milliamperes D.C. These scales provide quick and accurate testing. (See multiplier resistor kit and shunt resistors below.)

B2330. NET..... **$4.41**

MULTIPLIER RESISTOR KIT

Consists of high quality semi-precision resistors for use with the above meter to secure the indicated scale readings. Resistors are accurate to within 5%. With diagram.

B2331. Resistor Kit. NET..... **$1.59**

SHUNT RESISTORS

B2374. To obtain reading of 0-10 M.A. on above meter.

B2377. To obtain reading of 0-100 M.A. on above meter.

NET, EACH **82c**

5000 OHMS PER VOLT

An ideal instrument for use as a voltmeter where a meter sensitivity greater than 1,000 ohms per volt is required. Uses a 200 microampere movement; internal resistance, 450 ohms. Scales are: 0-10-50-100-500-1,000 volts D.C., 0-1,000-100,000 ohms, 0-1-10 megohms, and 0-10-100 milliamperes D.C. Use resistors and shunts below to obtain indicated ranges. With wiring diagram.

B2332. NET..... **$5.88**

MULTIPLIER RESISTOR KIT

Consists of 6 precision wire-wound resistors, 7 Continental Carbon Semi-Precision resistors, and 1 Yaxley wire-wound potentiometer for ohm and volt scales. For use with 5,000 ohm per volt meter above. Accuracy within 5%.

B2320. NET **$6.15**

SHUNT RESISTORS

Three accurately calibrated wire-wound precision resistors. For adding 0-1-10-100 M.A. ranges to meter listed above. Accuracy of calibration is .1%.

B2321. NET **$2.21**

20,000 OHMS PER VOLT METER KIT

Now you can build a really sensitive voltmeter at an extremely low price. Uses a 50 microampere basic movement that will give you a sensitivity of 20,000 ohms per volt when used as a multi-range D.C. voltmeter. Internal resistance is 1575 ohms. Scales are: 0-10-50-100-500-1,000 volts D.C., 0-1,000-100,000 ohms, 0-1-2 megohms, and 0-10-100 M.A. D.C. These ranges are obtained when the meter is used with the resistors and shunts listed at the right. With diagram.

B2333. NET..... **$10.58**

MULTIPLIER RESISTOR KIT

Consists of 7 precision and 7 Semi-Precision resistors, and 1 Yaxley potentiometer for ohm and volt scales. Calibrated within 5%; for use with 20,000 ohm per volt meter.

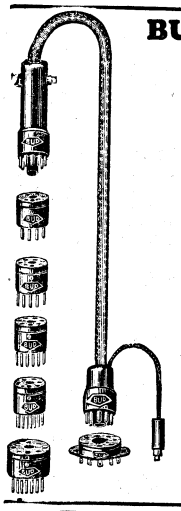
B2322. NET **$6.90**

SHUNT RESISTORS

Three wire-wound precision resistors for adding 0-1-10-100 M.A. ranges to the 20,000 ohm per volt meter. Accuracy .1%.

B2323. NET **$2.21**

BUD ANALYZER PLUG AND ADAPTERS



This new molded bakelite analyzer plug with its associated small-base adapter kit makes it possible for you to bring your present analyzer up-to-date at very low cost. Now you can test all the latest metal and glass tube circuits without an unnecessary assortment of extra adapters.

ANALYZER KIT COMPLETE

Consists of 1—8 prong lock-in adapter plug with a 5 foot 9 wire cable and a dual grid stud; 1—8 prong cable plug and socket, and 5 adapters.

B1659. List, $10.00. NET..... **$5.88**

B1650. ANALYZER PLUG ONLY. Small 8-prong octal base plug which plugs into adapters. Has dual grid studs for small and large grid clips. List, $1.75. NET..... **$1.03**

B1651. Plug with 5 foot 9 wire cable attached and 8 prong panel plug, with grid lead attached. For shop test panels. List, $5.00. NET **$2.94**

ADAPTERS ONLY

The adapters listed below will handle all tubes. Have 8 hole octal tops, to take 8 prong plug such as listed above. Each adapter uses the RMA numbering system for point-to-point analysis.

No.	PRONGS	List, Each, $1.00. NET EACH
B1653	8 to 4	**59c**
B1654	8 to 5	
B1655	8 to 6	
B1656	8 to 7M	
B1657	8 to 7S	

SPECIAL ADAPTERS

Well-made adapters for use in blocked octal sockets. Absolutely essential for testing many metal tube sets. Each adapter uses the new RMA numbering system for point-to-point analysis. For use with kit listed at left.

B1627. 8 to 5 Prong Plug; tests 5Z4, 5Y3, 5W4 tube circuits.

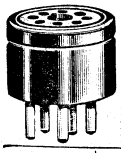
B1628. 8 to 5 Prong Plug; tests 6F5 tube circuits.

B1626. 8 to 6 Prong Plug; tests 6C5 tube circuits.

B1625. 8 to 7 Prong Plug; tests 6F6, 6H6, 6J7, 6K7 and 6L7 tube circuits.

List, Each, $1.00. NET EACH..... **59c**

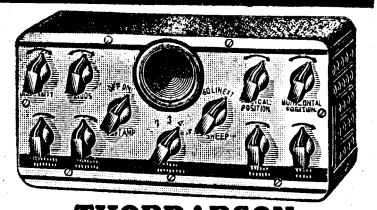
TUBE CHECKER ADAPTERS FOR METAL TUBES



These new metal tube adapters make it possible for you to check every one of the popular new metal and metal glass tube types in your present tube checker. It is not necessary to make any change in the wiring or alter your checker in any way.

Cat. No.	To Test	In Socket	Adapter Base
B1677	5Z4 5W4 5Y3	80	4
B1688	25Z6	25Z5	6
B1689	6X5	84 or 6Z4	5
B1680	6J7 6K7 6F6 6L6 6Q7 6R7 25A6 6D5	77 or 6C6 78 or 6D6 41 or 42 41 or 42 75 85 43 41 or 42	6
B1681	6A8 6L7	6A7	7S
B1686	6F5	75 or 85	6
B1687	6H6	75 or 85	6
B1682	6C5	37 or 76	5

YOUR PRICE, EACH ADAPTER..... **44c**



THORDARSON OSCILLOSCOPE KIT

This well-designed oscilloscope solves the service problem for the modern Service Engineer. Built around the new Type 913 1 inch cathode-ray tube, it also uses 1—1V, 2—6J7, 1—885, and 1—6X5. Complete with both horizontal and vertical amplifier, 60 cycle sweep, and a variable frequency linear sweep circuit. A unit of this type is absolutely necessary for the proper servicing and alignment of modern high fidelity and all-wave receivers. Used in conjunction with a standard service oscillator, this instrument analyzes hum, audio distortion, sensitivity and alignment in both receivers and transmitters.

COMPLETE ESSENTIAL KIT

Consists of drilled chassis and sub-assembly panel, etched front panel, 6¾x10½x5⅜₁₆" black crackle-finished cover, funnel-shaped shield and mounting panel for the 913 tube, and special power transformer and filter choke. Comes complete with full pictorial and schematic diagrams as well as convenient point-to-point wiring instructions.

B11097. NET..... **$74.99**

COMPLETE PARTS KIT

Everything needed for the complete kit. All switches, condensers, resistors, potentiometers, and all miscellaneous hardware, down to the last screw. Does not include essential kit above or tubes. Send for parts list.

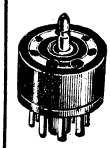
B11098. NET..... **$16.25**

LENS ONLY

2" magnifying lens with retainer ring. Fits tube shield and panel opening.

B11099. NET..... **$1.18**

ANALYZER ADAPTERS FOR METAL TUBES



Extend the tests possible with your present analyzer by using these new metal tube adapters. For use with 7S latch plug.

PLUG ADAPTERS

B1669. For testing in all metal tube sockets except 5Z4. 7S latch-lock top, octal base. YOUR PRICE **59c**

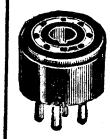
B1622. For testing in socket of 5Z4, 5Y3, or 5W4. 7S latch-lock plug, octal base. YOUR PRICE **59c**

BLOCKED SOCKET ADAPTERS

For testing circuits in metal or octal glass tube sockets which do not have all eight holes punched through. All adapters have 7S latch-lock tops with bases as listed below.

		List, $1.00. NET EACH
B1620.	7 Prong Octal.	**59c**
B1621.	6 Prong Octal.	
B1622.	5 (5Z4) Octal.	
B1623.	5 (6F5) Octal.	

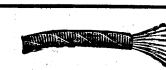
ANALYZER ADAPTERS



B1676. For all octal base tubes except 5Z4, 5Y3 and 5W4. 8 hole octal top. YOUR PRICE **59c**

B1677. For testing 5Z4, 5Y3 or 5W4 metal tube circuits. 8 hole octal top, 4 prong base. YOUR PRICE **44c**

ANALYZER CABLE



8 and 9 conductor cables of stranded tinned copper wire, each rubber-covered, and with color-coded braid. Cotton braid overall.

B1670. 8 CONDUCTOR. 2 No. 16 and 6 No. 20 wires. PER FOOT..... **9c**

B1671. 9 CONDUCTOR. 2 No. 16 and 7 No. 20 wires. PER FOOT..... **10c**

Modernizer ADAPTERS TESTERS

SPEAKER-HEADPHONE MIKE & PHONO ADAPTERS



FOR SPEAKER AND HEADPHONE SWITCHING

Connects headphones to set; has switch arranged to cut off speaker when phones are used. Adapters fit under power tubes.

SINGLE OUTPUT

B5537.	4-Prong Adapter. For self-biased power tube.	NET EACH
B5538.	5-Prong Adapter.	
B5539.	6-Prong Adapter.	
B5540.	For 19 Tube.	**$1.45**
B5544.	8-Prong for 6F6, 6L6.	

PUSH-PULL OUTPUT

B5541.	4-Prong Adapter.	NET
B5542.	5-Prong Adapter.	EACH
B5543.	6-Prong Adapter.	
B5504.	8-Prong Adapter.	**$1.63**



FOR EXTRA SPEAKERS

TYPE 116. Connects extra speakers to sets using push-pull 4 prong output tubes; no wiring change.

B2608. PER PAIR **31c**

TYPE 111. Connects extra speakers to any set using two 5 prong Pentode power output tubes, without wiring change.

B2609. PER PAIR..... **37c**

TYPE 199. To connect extra speakers to any set using one 5 prong Pentode tube, without wiring change.

B2610. NET **35c**

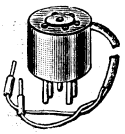


FOR MIKE & PHONO

Connects phonograph or microphone to set. Has split-cathode connections.

B5505.	5 Prong.
B5506.	6 Prong.
B5508.	7 Small.
B5509.	8 Prong.

NET EACH **54c**



FOR EARPHONES

To connect headphones to any set. Ideal for DX and hard-of-hearing use. May also be used as extra speaker adapter in sets having one power tube.

B2611.	5 Prong.
B2612.	6 Prong.

NET EACH **44c**



UNIVERSAL ADAPTER

All tube terminals are brought out for quick easy connection.

B5510.	4 prong.	EACH
B5511.	5 prong.	
B5512.	6 prong.	**12c**
B5513.	7S prong.	
B5514.	8 prong.	..... 17c

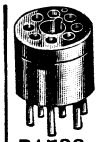


GRID CAP PHONO ADAPTER

Connects phonograph pick-up to grid cap of tube. Has 2 contacts into which the pick-up's phone tips are connected. Ideal for magnetic or crystal pick-ups.

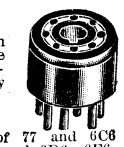
B5546.	For Glass Tubes.
B5547.	For Metal Tubes.

YOUR PRICE EACH..... **28c**



MODERNIZER ADAPTERS

Make bigger profits—install new type tubes in old sets! No change in sockets or wiring—just insert adapter in tube socket and place new type tube in adapter. Sets using tubes listed below may be quickly modernized. New type glass and metal tubes increase sensitivity, power, stability and selectivity. Cash in on set-modernization.



ADAPTERS FOR NEW METAL TUBES

B1728. For replacing the glass type 25Z5 tube with the new metal 25Z6. Better results can be obtained by this change.
NET **44c**

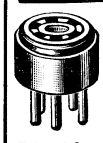
B1735. For using the metal type 6F5 tube in place of the triode section only of the glass type 75 tube. NET..... **44c**

B1727. Replace old 84 or 6Z4 tubes with new 6X5 metal rectifier. Particularly suitable for auto radios because of mechanical strength and complete shielding.
NET **44c**

B1730. Use 6J7 in place of 77 and 6C6 glass types; 6K7 in place of 78 and 6D6; 6F6, 6L6, or 6K6 in place of type 41 and 42 glass tubes; 25A6 in place of 43.
NET **44c**

B1733. Use the new metal 6C5 or 6J5 tube in place of the type 76 or 37 tube.
NET **44c**

B1731. For using the metal type 6A8 tube in place of the glass type 6A7 tube. As tube testing adapter it tests the 6A8 in the 6A7 socket. NET..... **44c**



ADAPTERS FOR NEW GLASS TUBES

B1739. For replacing 24 with 57; 35 or 51 with 58; 37 with 77; 39/44 with 78.
NET **29c**

B1740. For replacing 45 with 47. 5 hole top, 4 prong base. NET..... **29c**

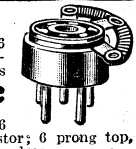
B1742. Replaces 80 with M.V. 82. 4 hole top; 4 prong base. Has suitable resistance connected in series with filament for 2.5 volts. NET..... **44c**

B1743. Use this adapter to replace type 45 tube with type 59 seven prong power tube. Increases power; decreases noise.
NET **44c**

B1747. For replacing Kellogg 401 with 27 tube. 5 hole top; 4 prong base. Contains resistance to cut filament to required 2.5 volts. NET PRICE..... **58c**

B1748. For using 56 tube in place of Kellogg type 401 overhead heaters. Type 56 increases sensitivity and all-around efficiency at lower cost.
NET **58c**

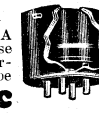
B1749. For using 2A5 Pentode in place of Kellogg 403 overhead heater type. New 2A5 gives more power at less cost than older types. NET..... **58c**



B1744. Replaces 45 with 6 prong 2A5 Pentode. Has special resistor built in. Improves tone and volume.
NET **44c**

B1746. Replaces 47 with 6 prong 2A5. Has filament resistor; 6 prong top, 5 prong base. More volume, less hum.
NET **44c**

B1745. Permits use of type 59 Pentode power tube in place of type 47. This change results in increased power and decreased hum.
NET **44c**



ADAPTERS FOR 2 VOLT TUBES

B1755. Replaces large UV201A base with small UX. Permits use of 30 series tubes in UV201A circuits. For modernizing old type battery sets with the new 2 volt tubes. NET..... **21c**

B1741. Modernize old receivers with this adapter; makes possible the use of 4 prong UX-199 or 30 type tube in UV-199 socket. NET **44c**



DUAL GRID CAP

Double clip permits grid cap connections to be made on both the regular glass style or the new metal tubes. Eliminates need for 2 separate connections. Completely insulated in molded housing.

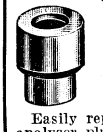
B1672. NET **12c**



GRID CAP ADAPTER

Special adapter for use with any standard single control grid cap to permit contact with new small metal tube cap. Plugs into regular grid clip. Clip end fits all-metal tube grids; solid end fits in standard grid clip.

B1673. NET **9c**



DUAL GRID STUD

Attaches to control grid lead of analyzer plug. For metal and glass tubes.

B1684. NET **6c**

OCTAL SCREW STUD

Easily replaces one of the large studs on old analyzer plugs having two. For new metal tube grid clips.

B1685. YOUR PRICE..... **6c**



TEST ADAPTER FORMS

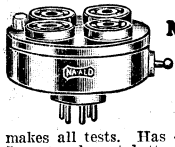
Construct any style of tube or test adapter quickly with these forms. The top is a standard high quality molded socket; the bottom is a standard tube base plug. Desired connections can be made quickly and easily. Indispensable for modernizing equipment or for connecting phonograph, microphone, etc., to radio sets. Screw holds top and bottom together.

SOCKET [TOP]

No.	Holes	NET EACH
B1880	4	**12c**
B1881	5	
B1882	6	
B1883	7M	
B1884	7S	
B1885	8 OCTAL	16c

PLUG [BOTTOM]

No.	Prongs	NET EACH
B1886	4	**8c**
B1887	5	
B1888	6	
B1889	7S	
B1891	7M	
B1890	8 OCTAL	12c



ALDEN MULTI-DAPTER

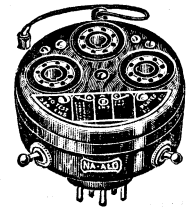
TYPE 950XYLA. This universal adapter tests over 120 types of tubes with your present tester. No leads, wires, or jacks. Single toggle switch makes all tests. Has 4 sockets for all tubes and 5 prong plug at bottom to fit tester. All meters and tubes are fully protected by resistance network.

B1756. YOUR PRICE..... **$2.94**

B1757. TYPE 954SGL. This associate adapter must be used on the bottom of the 950XYLA adapter if your tube tester has no filament voltage switch. 5 hole top, 4 prong bottom, with grid lead.

YOUR PRICE **44c**

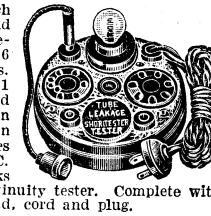
ALDEN METAL TUBE TESTING ADAPTER



Checks all types of metal and metal-glass tubes when used in any tube checker. Plugs into 36 socket for all tests. 3 octal sockets on adapter accommodate all metal tube types. 2 toggle switches are provided for thorough tests including both plates of the 5Z4, 6H6 and 6N7 double-plate tubes. Etched instruction plate on face.

B1674. ALDEN 950 G-E-M. List, $6.50. NET..... **$3.82**

ALDEN TUBE LEAKAGE AND SHORT TESTER



A new device which tests for leakage and shorts between elements in all 4, 5, 6 and 7 prong tubes. Leakage as high as 1 megohm is indicated by the special neon lamp incorporated in this tester. Operates directly from A.C. line. Contains jacks for using as a continuity tester. Complete with neon lamp, grid lead, cord and plug.

B1675. 9SC. ALDEN TESTER. List, $3.50.
YOUR PRICE..... **$2.06**

BOOKS for Every Service Need

GERNSBACK'S OFFICIAL MANUALS

VOLUME 6



Latest edition. Over 1200 pages and 2500 illustrations. Covers all available diagrams of sets built during 1935, 1936 and early 1937. Miscellaneous diagrams cover speaker, phonograph, and IF and RF coil connections. Contains step-by-step alignment procedure on many complex all-wave and hi-fidelity sets; complete "Trade Name" index; comprehensive tube chart, and cumulative index covering all six volumes including all sets from 1931 to early 1937.

B6286. POSTPAID IN U. S. A. $6.86

VOLUME 5. Over 1000 pages and 3000 illustrations giving complete service data for all receivers placed on the market after Volume 4. Includes circuit diagrams and specific data on IF's, resistance, alignment, etc. With cumulative index.

B6285. POSTPAID IN U.S.A. $6.50

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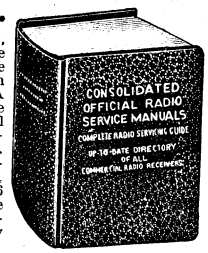
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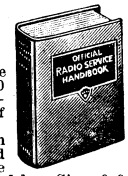
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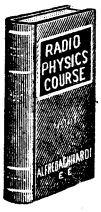
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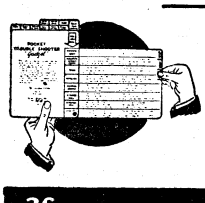
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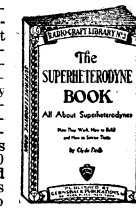


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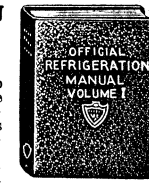


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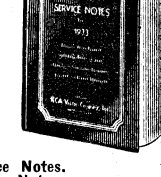
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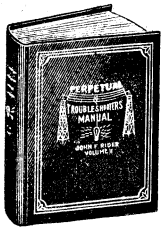
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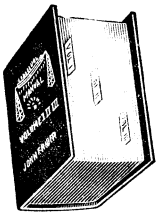
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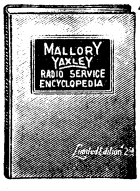
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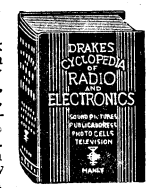
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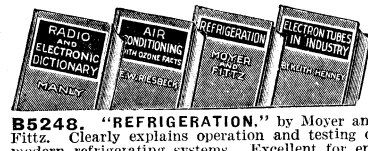
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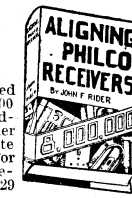


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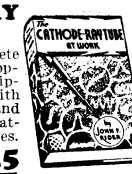
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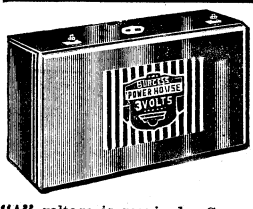
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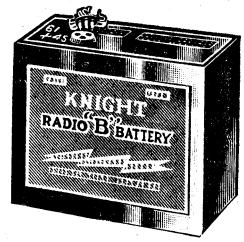
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B8933. Tapped reducing Resistor. NET.....25c





KNIGHT PLUG-IN "B" BATTERIES

A first quality line of well-built batteries, manufactured exclusively for ALLIED and sold solely under the Knight name. Only the highest quality materials are used in these batteries. Each Knight battery is scientifically protected against internal shorts by a unique sealing method. These batteries are climate-proof and are designed for long and full life. For maximum battery value—buy Knight. Our quick turnover assures you of constantly fresh stocks of all Knight battery types.

STANDARD 45 VOLT "B"

A very popular "B" battery of standard 45 volt design, with tap at 22½ volts. Sturdy and dependable; will give long life and noiseless operation. Size, 7¾"x6"x3". Supplied with plug-in receptacle. Designed for sets using up to 6 tubes. Shpg. wt., 10 lbs.
B8920. Less plug. NET..... **94c**
B8930. Plug. NET.....5c

HEAVY-DUTY 45 VOLT "B"

A powerful battery built for heavy-duty service, especially for sets using power output tubes. Current capacity is high, assuring long, dependable noiseless service. Supplied with new handy plug-in type terminal receptacle. Size, 6¾x7¾x4". Shpg. wt., 12 lbs.
B8921. Less plug. NET..... **$1.28**
B8930. Plug. NET.....5c

45 VOLT EXTRA HEAVY-DUTY TYPE

A large, over-sized battery designed to give the maximum obtainable service; recommended for use with battery sets having more than 6 tubes. The exceptionally long life of this battery will result in actual savings in battery replacement cost. Size, 8½x4⅝x7¼". Shpg. wt., 16 lbs.
B8922. Less plug. YOUR SPECIAL PRICE..... **$1.79**
B8930. Plug. NET 5c







22½ VOLT "B" AND "C"

Attractively priced high-quality 22½ volt "B" and "C" supply. Tapped to supply 22½, 16½, 4½, and 3 volts. May be used as tapped "C" battery or as power source for low-drain portable equipment. With plug-in receptacle. Size, 4x2½x2¾ inches. Shipping weight, 2 lbs.
B8923. Less Plug ... **61c**
B8931. Plug...5c

LOW-COST 4½ VOLT "C"

Compact 4½ volt "C" battery tapped at 3 volts. Designed for long life and lasting service as source of power for microphones or low-drain battery type tubes. Suitable for use as adjustable R. F. grid bias battery. Plug-in receptacle. Size, 4x3x1¼ in. Shipping wt., 1 lb.
B8924. Less Plug.... **24c**
B8932. Plug...5c

FLASHLIGHT CELLS

High capacity cells for all tubular flashlights.

No. 1 UNIT CELL
B8926. Baby size for small flashlights. 1" dia., 1⅞" long.

No. 2 UNIT CELL
B8927. Regular size for standard flashlights. 15/16" dia., 2⅜" long.
List, 10c. EACH **4c**
10 for **35c**

NO. 6 1½ VOLT DRY CELLS

A standard 1½ volt dry-cell for use on buzzers, doorbells, etc. Packed with power. Recovers quickly after heavy drain. 6x2½". Shpg. wt., 2 lbs. A fine value. Carry a stock of these fine batteries.
B8925. YOUR PRICE..... **21c**

GENERAL MIDGET PORTABLE "A" & "B" BATTERIES

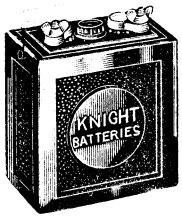


Extremely small, light-weight portable batteries. For use in portable radio receivers and transmitters, transceivers, monitors, hearing aids, weather balloons, pocket radio sets, etc. The approximate rating of B8935 is 190 MA hours, B8936 is 400 MA hours; B8937 is 1000 MA hours; B8939 is 8 ampere hours; B8938 is 15 ampere hours. B8936 and B8937 are tapped at 22½ volts. All others are untapped.

NO.	Volts	Lgth.	Width	Ht.	Wt.	List	NET
B8935	45	3"	x1¼"	x3¾"	11 oz.	$1.75	$1.15
B8936	45	3⅝"	x2¼"	x3⅜"	22 oz.	2.00	1.29
B8937	45	4½"	x2½"	x5¼"	50 oz.	1.75	1.15
B8938	3	3½"	x1⅝"	x4⅝"	28 oz.	.80	.51
B8939	3	29/16"	x1 5/16"	x4 11/16"	16 oz.	.50	.32

BATTERIES · BATTERY CHARGERS

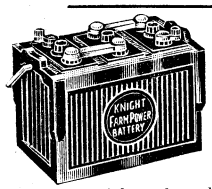
KNIGHT STORAGE BATTERIES AT LOW PRICES



KNIGHT 2 VOLT

A 2 volt, 19 plate storage battery giving 300 operating hours at ½ ampere, without recharging. Heavy-duty $\frac{3}{32}$" plates are protected by a substantial, leak-proof, hard-rubber container. Size: $7\frac{1}{4}$x$4\frac{11}{16}$x$9\frac{1}{8}$". Easy to recharge. Extremely low hourly cost of operation. Delivers the correct, safe voltage for any set using 2 volt type tubes. With rubber bolt and nut terminals. Not mailable. Shpg. wt., 23 lbs.

B10012. YOUR PRICE..... **$3.95**



SPECIAL 6 VOLT HEAVY-DUTY

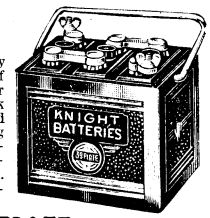
These heavy-duty batteries were specially designed for modern radio and lighting service. Excellent materials and quality construction provide for long trouble-free service. Large reserve capacity makes these batteries ideal for use with a Windcharger or Rurlpower unit. Offers convenient lighting service. With radio terminals.

B10021. 51 PLATE. For radio and not more than 1—25 watt lamp or 2—15 watt lamps. Shpg. wt., 55 lbs. Size, 12x7x8". NET..... **$10.95**

B10022. 63 PLATE. Medium duty. For radio and 2—25 or 4—15 watt lamps. Shpg. wt., 65 lbs. Size, 14½x7x8". NET..... **$14.45**

B10023. 75 PLATE. Heavy-duty. For radio and up to 3—25 or 6—15 watt lamps. Shpg. wt., 75 lbs. Size, 16x7x8". NET..... **$23.10**

KNIGHT 6 VOLT



Heavy-duty, solidly constructed, leak-proof batteries that deliver maximum power. Thick plates, carefully sealed cells. Built for long life, trouble-free service. With radio terminals. Not mailable. The finest 6 Volt Batteries you can buy.

39 PLATE

B10013. Size, 9x7x8 inches. Shipping weight, 40 lbs. With convenient handle. Easily moved. NET..... **$4.45**

45 PLATE BATTERY

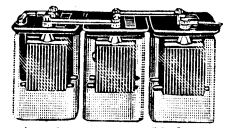
B10015. Size, 9 x 7 x 8 inches. Shipping weight, 42 pounds. Has convenient handle for carrying. NET..... **$5.65**

HEAVY-DUTY 51 PLATE

B10017. Size, 9 x 7 x 8 inches. Shipping weight, 44 pounds. Not supplied with carrying handle. NET..... **$6.75**

These batteries may be had with auto terminals at prices quoted. Send cash with order, and specify "with Auto Terminals."

HEAVY-DUTY 6 VOLT GLASS BATTERY



A de luxe battery in glass cases. 39 heavy-duty, extra-thick plates. Ideal for use as radio or lighting service battery. Heat dissipation of glass case permits much heavier drain without case damage. Complete with charge hydrometer. Size, 29x10x19" cased. Shpg. wt., 125 lbs.

B10024. YOUR PRICE... **$21.25**
Packed for Export..... **$23.75**

NEW EVEREADY AIR CELL "A" BATTERY



Especially designed and intended only for use with 2 volt "Air-cell" battery sets. Operates on a new principle using air as a depolarizer to maintain constant voltage and to give long life. A600 has new plug-in feature.

ECONOMICAL—CONVENIENT

Costs less to operate than any other "A" battery. Now offered at a reduced price. Both Air Cell batteries listed below are rated at 600 ampere hours and have a useful life of approximately 1000 hours. The A-600 type is for sets with a maximum current drain of 660 M.A. The SA-850 is for sets having a maximum drain of 750 M.A. In leak-proof cases, 10⅞x6⅝x9⅞". Wt. 24 lbs. (Not mailable.)

B10025. No. A-600. NET **$4.62.** Less 2%..... **$4.53**

B10026. SA-850. Heavy-duty (750 M.A.); for multi-tube sets. Wt. 29 lbs. NET, **$5.51,** Less 2%..... **$5.40**

"A", "B" & AIR CELL BATTERY TESTERS



Inexpensive, portable type battery testers. Will test "B" Batteries, Dry Cells, Storage Batteries, etc. Air Cell tester indicates condition of Air Cell Batteries as "Good" or "Bad"; also aids in determining future life of battery. Unusual values.

B6260. STORAGE BATTERY TESTER. Tells condition of battery. YOUR NET PRICE..... **59c**

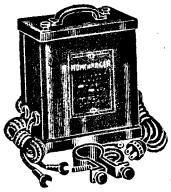
B6261. 0-35 Amps. For testing dry cells. YOUR PRICE..... **18c**

B6262. 0-50 Volts. For "B" Batteries. YOUR PRICE..... **52c**

B6263. Combination 0-40 Amp. and 0-50 Volts. NET..... **68c**

B7340. Air Cell Battery Tester. YOUR NET PRICE..... **$1.61**

HOMCHARGER BATTERY CHARGERS



5-3 AMP. BOOSTER

A new battery charger for auto or home use. Has battery connector bracket for steering post mounting. Charge tapers automatically from 5 to 3 amp. No radio interference. For 110 Volt 60 cycle A.C. Shpg. wt., 8 lbs.

B10040. List, $7.50. YOUR PRICE..... **$4.41**



HI-RATE CHARGER

Designed especially to provide a fast, high-rate charge. Automatic tapering feature assures safety at 10 amp. fast charge. Current drain is no more than that of smaller chargers. Complete with ammeter, 10 ft. cables, and dash receptacle. For 110 Volt, 60 cycle A.C. Shpg. wt., 15 lbs.

B10037. NET..... **$11.47**

6 AMP. CHARGER

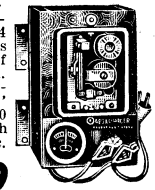


A new vibrator-type charger for all 6 volt storage batteries. Ruggedly made; self-polarizing; entirely automatic in operation. Charges quickly at 6 Amp. rate. Works from 110 Volt 60 cycle A.C. With cord, plug, car clamp, and cables. Shpg. wt., 11 lbs.

B10041. List, $12.50. YOUR PRICE..... **$7.35**

ADD-A-CHARGER

One of these units will handle 2 to 3 batteries per 24 hour period; additional units may be easily added if greater capacity is desired. No radio interference; self-polarizing — no "reverse" charging. For 110 Volt, 60 cycle A.C. Complete with line cord, cables, clips, etc.

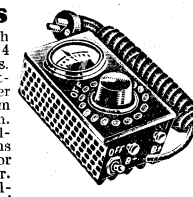


B10038. NET..... **$12.49**

SERV-A-CHARGER HOMCHARGER

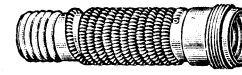
B10039. Similar to the Add-A-Charger above, but provided with a longer charging cable, and with charging plug instead of clips. A neat receptacle is included for mounting on the car dash, to charge the battery without removing the floor boards. NET..... **$13.47**

32 VOLT "A" ELIMINATORS



Designed for use with sets using 2 Volt, 4 Volt, or 6 Volt tubes. Eliminates "A" batteries; provides proper filament voltage from 32 Volt Light System. Correct voltage is always assured by means of built-in regulator dial and volt-meter. Two models are available; one for 2 or 4 Volt tubes; the other for 6 Volt tubes. **Not suited for sets with built-in "B" eliminators, or from 110 V. line.** For 32 Volts D.C. only. Wt. 2 lbs.

B2260. For 2 and 4 volt tubes.
B2261. For 6 volt tubes.
List, $6.50. NET EACH..... **$3.82**



KING COLE RESISTANCE COILS

6-VOLT "A" SUPPLY FROM 32-VOLT SYSTEMS

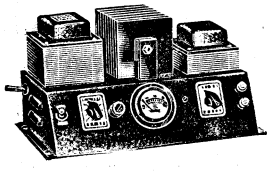
Delivers 6 Volt "A" current supply directly from 32 Volt D.C. systems. For all types of battery sets. When pilot light is used in your set, consider it as one 201A tube. Not suited for use in sets with built-in "B" eliminators.

		NET EACH
B2262.	For 5—¼ amp. tubes.	
B2263.	For 6—¼ amp. tubes.	
B2264.	For 7—¼ amp. tubes.	**$1.18**
B2265.	For 8—¼ amp. tubes.	

CHARGING RESISTOR

B2266. For charging 6 volt batteries from 32 volt systems. List, $2.50. NET EACH..... **$1.47**

STANCOR POWER PACKS



The ideal power pack for auto and battery radio sales demonstration and for service test work. Eliminates need for storage batteries. Delivers filtered, metered direct current output from 110 Volt 60 cycle A.C. Avoids demonstration failures. Equipped with surge suppressor and circuit breaker for protection.

JUNIOR MODEL

B10145. Delivers 5 amp. output at 5-7½ Volts to operate an average auto or battery radio. Complete with meter, circuit-breaker, and surge-suppressor. NET..... **$16.61**

STANDARD MODEL

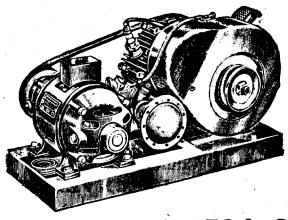
B10146. Delivers 12½ Amp. at 5-7½ Volts. With meter, circuit-breaker, etc. NET..... **$19.55**

DE LUXE MODEL

B10147. Delivers 15 Amp. at 2-8 Volts. Has Hi-Lo switch and variable voltage control. Dual rectifiers. NET.... **$25.97**

GENEMOTORS · CONVERTERS · GENERATORS

PIONEER GAS-ENGINE DRIVEN GENERATORS



PROVIDES 110 VOLTS A. C.

Light, sturdy, dependable generators for supplying 110 Volts A.C. for all purposes, at minimum expense. Ideal for operating radios, sound systems, amateur stations, lighting systems, electrical appliances, etc. Also supplies low voltage D.C. for charging 6 volt storage battery. The 4 cycle type air cooled gasoline engine is made by a leading manufacturer. Special muffler reduces noise to a minimum. Built-in governor maintains constant 60 cycle current. Special brush construction assures long life with no commutator wear. Bearings are grease-sealed; require no attention. A.C. and D.C. leads are brought out to a connecting box.

300 WATT MODEL

B10215. **The ideal unit for supplying current to small radio units, etc., where the power demand does not exceed 300 watts.** Also supplies 50 watts D.C. for battery charging. **Foot-pedal starter. Will operate 3 hours on one quart of gas.** Extremely compact, measuring only 20"x11"x11". Wt., 72 lbs. **NET $59.90**

300 WATT MODEL WITH REMOTE CONTROL

B10212. 300 Watt Gas Engine as above with remote control starting. **NET $82.40**

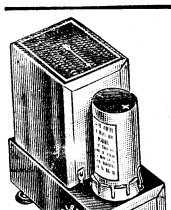
600 WATT MODEL

B10216. **A large, directly driven generator; will supply current up to a 600 watt load.** Measures 28" long, 15⅞" wide and 15⅞" high. Hand-crank starter. Wt., 140 lbs. **NET..... $134.60**

1000 WATT MODEL

B10217. **Will supply sufficient A.C. for practically any purpose. Ideal for large sound trucks, radio transmitters, house lighting systems,** etc. Measures 28"x17½"x19⅝". Wt., 170 lbs. **NET.... $194.60**

B10218. **RADIO FILTER.** Eliminates noise caused by the generator when used to supply power for radio sets or P.A. amplifiers. Includes ignition shielding. **YOUR PRICE $5.60**



NEW MALLORY VIBRAPACKS

PORTABLE POWER FOR ALL RADIO & P. A. REQUIREMENTS

A new, inexpensive, dependable source of power for all portable radio receivers and transmitters, P.A. amplifiers, etc. These highly efficient units were developed to solve the portable power problem. Vibrator type; operate completely from 6 volt storage battery. Will supply up to 100 M.A. of easily filtered pulsating D.C. Output voltage is variable in four 25 volt steps by selector switch. Models 551 and 552 are self-rectifying; tube rectifier is supplied with models 553 and 554.

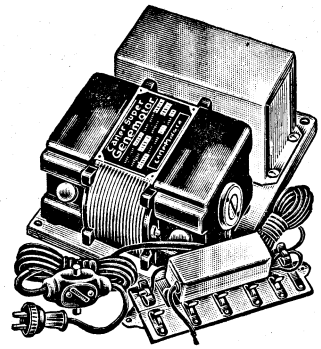
B11996. **Type VP-551.** **Self-rectifying. Output voltage: 125-150-175-200.** With vibrator but no filter supplied. **NET $8.82**

B11997. **Type VP-552.** **Self-rectifying. Output voltage: 225-250-275-300.** With vibrator but no filter supplied. **NET $10.88**

B11998. **Type VP-553.** Tube rectifier. **Output voltage: 125-150-175-200.** With vibrator and tube; no filter. **NET $9.70**

B11999. **Type VP-554.** Tube rectifier. **Output voltage: 225-250-275-300.** With vibrator and tube; no filter. **NET $11.76**

CARTER HEAVY-DUTY GENEMOTORS



ELIMINATES "B" BATTERIES

Do away with "B" battery expense. The Carter Genemotor operates directly from any 6 volt battery (or 32 Volt plant) and supplies all "B" voltages for the operation of any battery radio. It is a small precision-built unit with an efficient, self-contained filter system. Delivers smooth D.C. inexpensively.

Taps: 22, 45, 67, 90, 135, 180 Volts

Ideal for home type battery sets. Voltage tap block provides 22, 45, 67, 90, 135, and 180 Volts for operation of any battery radio. Quiet in operation; does not require oiling or attention. Easy to install; compact, only 4½x5½x3" high. Will give years of good service. Wt., 9 lbs.

FOR 6 VOLT OPERATION

B10230. **6280F. Will deliver 180 volts D.C. at 30 M.A. max.** Input drain is 2.2 amperes from 6 volt storage battery.

B10231. **6220J. Will provide 200 volts D.C. at 40 M.A..** Operates from 6 volt storage battery with a drain of 3 amperes.

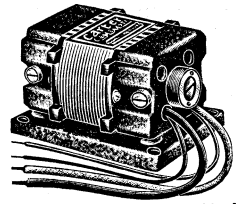
FOR 32 VOLT OPERATION

B10232. **3280F.** Operates from any 32 volt **D.C. source. Delivers 180 volts D.C. at 30 M.A.** Input drain is only 15 watts.

B10233. **3280H. Delivers 180 volts D.C. at 50 M.A.** Will operate from any 32 volt D.C. source. Input drain is only 18 watts.

List, Each, $22.50. YOUR PRICE, For Each of Above Models. **$13.23**

NEW CARTER LIGHTWEIGHT SUPER GENEMOTORS

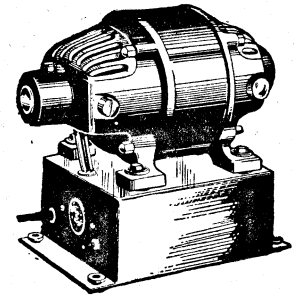


A new line of lightweight genemotors for use with portable or mobile radio receivers, high-gain amplifiers, transmitters, etc. Extremely efficient and dependable. Have sturdy frames and dynamically balanced armatures which insure smooth trouble-free operation. All bearings are quiet-running; require no oiling. Newly designed brushes are free from sparking and noise. D.C. voltage output is easily filtered. Supplied with diagrams and sketches for construction of correct filters. With heavy leads for connection to power source, and rubber mounting cushions. Operate from 6 Volt D.C. source.

Stock No.	Output Volts	Output M.A.	Amps. Drain	YOUR PRICE
B10240	250	50	5	$16.17
B10241	350	100	10	17.64
B10242	350	150	15	19.99
B10243	300	200	19	22.34
B10244	400	150	20	22.93
B10245	400	200	26	23.52
B10246	300	100	9.7	17.64
B10247	250	100	9	16.46

We can also supply Carter Genemotors with output ratings up to 1250 volts. Also available for operation from 12 volt battery. Write for prices.

FAMOUS JANETTE ROTARY CONVERTERS



CONVERTS D. C. TO A. C.

Permits the operation of A.C. radio sets, sound systems, and other devices and appliances from 32 volt light plants or 110 volt D.C. lines. Compact, dynamically balanced, ruggedly designed, and built for long life. The armature employs the superior dynamotor type (double-wound) construction. The field frames are of high quality rolled steel and the field poles are laminated for the very highest efficiency. Removable grid covers protect the commutator slip rings and brushes. Quality construction throughout assures freedom from trouble.

WITH BUILT-IN FILTER

The Janette Rotary Converters listed below are equipped with special All-Wave interference filters, for all types of radio receivers. Assure exceptionally quiet reception results on all bands from 500 to 30,000 K.C. (10 to 547 meters). We can also supply converters for special voltages, frequencies or both. Please describe your requirements and we shall quote promptly.

32 VOLTS D. C. TO 110 VOLTS 60 CYCLE A. C.

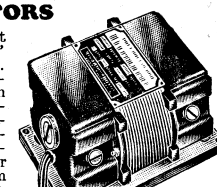
Stock No.	Output Watts	Input Amps.	Mfrs. Type	YOUR PRICE
B10200	80	6	CA-20-F	$29.15
B10201	110	6.5	CA-20-F	31.39
B10202	150	9.4	CA-16-F	34.64
B10199	225	11.5	CA-16-F	40.30
B10203	300	15	C-13-F	48.71
B10204	500	18	CE-14-F	64.14
B10198	650	27	CE-12-F	95.53

110-115 VOLTS D. C. TO 110 VOLTS 60 CYCLE A. C.

B10205	80	1.4	CA-20-F	$29.15
B10206	110	1.9	CA-20-F	31.39
B10207	150	2.7	CA-16-F	34.64
B10210	225	3.0	CA-16-F	40.30
B10208	300	4.0	C-13-F	48.71
B10209	500	6.4	CE-14-F	64.14
B10211	750	8.5	CE-12-F	95.53
B10197	1000	13.0	CE-10-F	118.51

We can supply all other types of Janette converters, motor or gas-engine driven generators, etc., at lowest prices. Write describing your needs, for prompt quotation.

CARTER COMPACT GENEMOTORS



The smallest complete auto "B" eliminator made. Completely shielded. Has built-in filter. Ball bearings eliminate oiling and adjustments. Easily installed; will deliver full efficiency from a 6 volt battery. Measures only 2⅞" x4"x5". Wt., 6½ lbs.

135 VOLT MODEL

B10235. Operates from 6 Volt battery and delivers 135 Volts at 30 M.A. tapped at 67½ V. Draws 2.2 amps. Replaces 3 "B" batteries.

180 VOLT MODEL

B10236. Delivers 180 volts at 30 M.A. tapped at 90 V. Works from 6 V. battery at drain of 2.6 amps. Replaces 4 "B" batteries.

200 VOLT MODEL

B10237. Delivers 200 volts D.C. at 40 M.A. with an intermediate tap at 90 volts. Operates from 6 volt battery with a drain of 3.5 amps. **List, Each, $16.50. NET EACH $9.70**

INTERFERENCE ELIMINATORS · FILTERS

RADIO NOISE CAN BE ENDED!
USE THESE TOBE NOISE-ELIMINATING FILTERETTES

Carefully engineered units designed to overcome undesirable radio interference at its source. Built to stop noise over the range of frequencies covered by modern broadcast and S.W. receivers.



NOISE MANUAL

A helpful manual published by the Tobe Deutschmann Corp. Contains full information on man-made electrical noises and how to prevent them from reaching the radio set. Will pay for itself on your first service call.

B8449. NET..... **29c**



MODEL 7 AC-DC POWER LINE FILTER

An easily installed Tobe capacity type line filter which will effectively eliminate line noises. Plugs into electric light socket or wall receptacle. Receiver plug fits into top of filter unit. Materially reduces disturbing radio interference from power line. For 110 volt lines. Shpg. wt., 1 lb.

B8406. NET..... **59c**



RAZOR FILTERETTE

A practical filter unit for reducing interference from electric razors. Enjoy early morning programs, time signals, weather reports, etc., without the disturbing buzz of your razor. Just plug unit in wall receptacle and plug razor in other end.

B8402. NET..... **59c**



FILTERETTE JUNIOR

A simple yet thoroughly efficient filter unit for appliances such as vacuum cleaners, cash registers, drink mixers, hair dryers, dictating machines, sewing machines, etc. Convenient to attach.

B8403. NET..... **$1.32**



FILTERETTE SENIOR

An inductive-capacitive unit designed for use with appliances requiring larger filter than the unit listed above. For use on any 110 Volt A.C. or D.C. appliance.

B8404. NET..... **$3.23**

JA FILTERETTE

A light-weight filterette for attachment to appliances such as electric drills, barber clippers, etc. Appliance cord must be cut and JA installed as permanent equipment.

B8407. NET..... **$1.62**

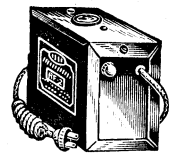
MODEL 110-PO



The largest and most effective of the plug-in filterettes. Will handle up to 5 amperes. Ideal for use with electric refrigerators, washing machines, dental equipment, and other appliances. Wt., 4 lbs.

B8408. NET..... **$6.17**

MODEL RF-2

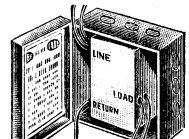


Designed to eliminate noises coming from the power line. Effective filtering is attained through combining capacity and inductance in one carefully engineered unit. For installation between set and power line. For use on any line where voltage does not exceed 130 volts. Shpg. wt., 2 pounds.

B8405. NET..... **$2.90**

SPECIAL FILTERETTES

OIL BURNER FILTERETTE



Engineered especially for use with any oil-burner type of heating plant. Mounted in a 6"x6"x3" standard cut-out cabinet. Equipped with detachable mounting brackets. Will handle up to 2.5 amperes at 110 volts. Shpg. wt., 6 lbs.

B8411. NET..... **$5.59**

110 FILTERETTE

An Inductive-Capacitive type filterette for use with appliances that draw up to 5 amperes at 110 volts. In knock-out box.

B8414. NET..... **$7.35**

131 FILTERETTE

Same type of filterette as above except for use with apparatus drawing up to 10 amperes at 110 volts. In knock-out box.

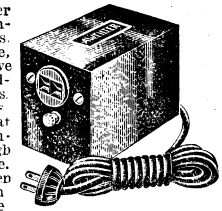
B8398. NET..... **$11.76**

132 FILTERETTE

Same type of filterette as above except for use on circuits drawing up to 20 amperes at 110 volts. In knock-out box.

B8399. NET..... **$17.64**

TACO H-F ALL-WAVE LINE FILTER

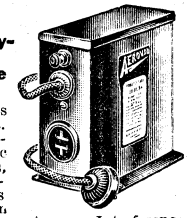


A composite filter containing three complete filter circuits. Covers short-wave, and ultra-short-wave as well as the standard broadcast bands. R.F choke filter system stops noises that would ordinarily enter the set through the power line. Equally efficient when installed on the interference-causing device. Operates on either A.C. or D.C. devices drawing not more than 200 watts at 110 volts. Measures only 4"x4"x5". Easily installed without tools. Equipped with bakelite receptacle and attachment cord with unbreakable rubber plug. Hand some brown-finished metal case.

B7903. List, $7.50.
YOUR PRICE..... **$4.41**

AEROVOX INTERFERENCE ELIMINATOR

- **Eliminate power line interference**
- **Completely factory-built**
- **Simple one-minute installation**

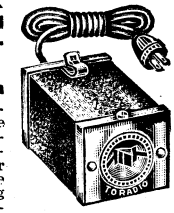


Completely eliminates all power-line noises. Greatly reduces man-made static from electric motors vacuum cleaners, elevators, and other interfering electrical devices that cause more than 75% of radio disturbances. Aerovox Interference Eliminators furnish a real noise-free background for increased radio enjoyment. No tools needed—just plug in. Complete with cord and plug. Shpg. wt., 3 lbs.

B6790. List, $4.75.
YOUR NET PRICE..... **$2.79**

MILLER ALL-WAVE LINE NOISE FILTER

- **Capacitative Inductance circuit used**
- **Duo-lateral R. F. choke coils**
- **Complete line-noise elimination**



Positive results are obtained by use of complete filter circuit. Oil condensers give long life. Duo-lateral chokes are useo for greatest filtering. May be used on small interfering devices or on the radio itself. Requires no adjustment. Plug radio or appliance into filter, and filter into outlet. With cord and plug. 110 volts, 200 watts.

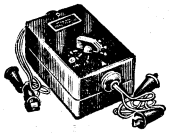
B7213. List, $4.00.
YOUR NET PRICE..... **$2.35**

MILLER LINE CHOKES

Duo-lateral wound R.F. choke coils. Ideal for building your own line filters. Well-adapted to all types of line filter devices. Low resistance.

No	Microh.	Amps.	NET
B7214	600	2	$0.59
B7215	570	5	1.47
B7216	370	10	1.91
B7217	200	20	2.35

SPRAGUE INTERFERENCE ELIMINATORS



INTERFERENCE ANALYZER

A compact, portable instrument for the serviceman; quickly and simply tells you what filter units are required for interference suppression. Connects directly into circuit from which the interference originates. Supplied complete with cables, alligator clips, line cord, chart and instructions. Operates either on 110 or 220 volts, A.C. or D.C. In bakelite case, 4½x7x3 inches. Wt., 5 lbs.

B11450. NET..... **$9.55**

NEW NOISE-ELIMINATION MANUAL



A practical book covering the Interference Elimination problem from A to Z. Used by the National Radio Institute as a reference book in teaching how to locate interference and how to clear it up after it is found. Shows which interference unit to use for different filter problems. Sent FREE on request with orders for Sprague interference filters. You need this book for noise-elimination work.

INTERFERENCE ELIMINATION CONDENSERS AND CHOKES

Exhaustive experiments show that different noise conditions must be met with different filter units. The units below will fill definite needs as indicated by the Sprague Analyzer above.

Type IF-11. Dual Condenser. For large motors, as in refrigerators, oil burners, etc.

B11455. List, $2.50
NET..... **$1.47**

Type IF-50. Individual Units. Oil-filled type. For small motors requiring high capacity units.

B11456. List, $1.75.
NET..... **$1.03**

Type IF-21, IF-33. Tubular Condensers. For fractional horsepower motors used in mixers, fans, etc.

B11457. IF-33. List, 75c. NET.. **44c**

B11458. IF-21. List, $1.00.
NET..... **59c**

Type CH-1 Choke. Specially designed; will carry up to 10 amps. Metal can, self-mounting. Can be used on 1 HP. motor.

B11459. List, $1.35. NET..... **79c**

Type CH-2 Choke. Slightly larger than unit above. Will carry up to 20 amps. For larger motors.

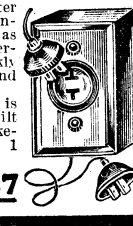
B11460. List, $2.75. NET.... **$1.62**

SPRAGUE CUT-OUT BOX

A compact metal box, with hinged cover and knock-out holes. Ideal for mounting practically any combination of the above interference units. Measures only 6"x6"x3½".

B11451. NET..... **88c**

BUD INTERFERENCE FILTER



A highly serviceable filter that does away with "man-made interference" such as that caused by bells, refrigerators, etc. Easily and quickly attached by means of cord and plug supplied.

As a capacity filter, there is no danger of burnouts. Built into a neatly finished, all bakelite box. Shipping weight, 1 lb.

B2600.
List, $2.85.
YOUR PRICE .. **$1.47**

Quality REPLACEMENT VIBRATORS



A complete listing of exact duplicate vibrators. Standard equipment in many popular auto and home receivers. Famous for high-quality and absolute dependability.

MALLORY

All Mallory vibrators are exact duplicates of the original units. Installation is simple and requires no changes in the circuit. Well-known because of their long-life and precision type construction. We carry a complete stock at all times to give you the fastest possible service. When ordering vibrator not listed below, state manufacturer's type number, or model and make of set.

UTAH

A complete line of sturdy, dependable vibrators for replacement purposes. Exact duplicates electrically and mechanically of the original units; require no circuit or other changes for installation. We carry a complete stock of Utah vibrators at all times. When ordering types not listed below, state manufacturer's type number, or model and make of set.



Set Name and Model	MALLORY Mfrs. No.	MALLORY Our No.	MALLORY NET	UTAH Mfrs. No.	UTAH Our No.	UTAH NET
AIRLINE						
62-166, 62-118	253	B4650	$2.65	NP42	B9052	$2.65
ARVIN						
15, 25, 35, 45 1st Ser.	296	B4651	2.65	NL3	B9054	2.35
15, 25, 35, 45 2nd Ser.	292	B4652	2.35	NP6	B9050	2.65
7, 17, 17A, 27, 37	294	B4653	2.65	NP42	B9052	2.65
ATWATER KENT						
666, 776	296	B4651	2.65	NP6	B9050	2.65
816, 424, 534	226	B4657	3.53	SL5	B9064	3.23
AUDIOLA						
33A6	225	B4658	3.53	SL5	B9064	3.23
C6, 64, 74	294	B4653	2.65	NP42	B9052	2.65
33S6 (2 Prong)	312T	B4659	4.41			
346, 347 (6 Prong)	297	B4660	2.65	NP61	B9066	2.65
BELMONT						
566, 666	294	B4653	2.65	NP42	B9052	2.65
660 (Vibrator only)	292	B4652	2.35	NL3	B9054	2.35
580, 670, 680 Series	296	B4651	2.65	NP6	B9050	2.65
BOSCH						
140 (2nd & 3rd Ser.)	271	B4661	3.53	SP53	B9058	3.53
524A, 634-634A	253Y	B4662	2.65	NP42	B9052	2.65
150 (1st Series)	219	B4663	4.41			
150 (2nd Series)	271	B4661	3.53	SP53	B9058	3.53
CHEVROLET						
364441	221	B4664	2.65	NL3	B9054	2.35
600153 Series	222	B4654	3.38	SL5	B9064	3.23
601038 Series	273C	B4665	3.23	SP51	B9056	3.09
985100, 985200	294	B4653	2.65	NP42	B9052	2.65
985300	273D	B4666	3.23	SP52	B9057	3.23
CROSLEY						
98, 99, 102, 103, 5A1	223	B4667	3.53	SL5	B9064	3.23
4A1, 5A3, A155	247	B4668	3.38	SP6	B9062	3.38
DETROLA						
6A, 1100, 1100A	220B	B4655	3.82	NL3M	B9055	2.79
6M, 6R	294	B4653	2.65	NP42	B9052	2.65
1934, 1935 (3 Lead)	292	B4652	2.35	NL3	B9054	2.35
EMERSON						
965, 667	296	B4651	2.65	NP6	B9050	2.65
5A	277S	B4669	3.53	SP63	B9067	3.53
678-1 & 2	222	B4654	3.38	SL5	B9064	3.23
6A, 1A, 2A, E123	253Y	B4662	2.65	NP42	B9052	2.65
ERLA-SENTINEL						
5500, 7M, 10M, 11M	294	B4653	2.65	NP42	B9052	2.65
600, 602, 603	292	B4652	2.35	NL3	B9054	2.35
FADA						
101, 102, 104, 104B	221	B4664	2.65	NL3	B9054	2.35
166. 266 Series	253Y	B4662	2.65	NP42	B9052	2.65
FORD						
MAJESTIC 40—18805	220B	B4655	3.82	NL3M	B9055	2.79
PHILCO	500P	B4677	1.76	NP41	B9051	1.76
FREED						
A7, A9	210	B4663	4.41	SP5H	B9059	4.41
G.E.						
B40, C41, B52	271*	B4661	3.53	SL51	B9074	3.53
C60	253	B4650	2.65	NP42	B9052	2.65
D50, D51, D52	287M	B4670	3.23	SP62	B9061	3.23
KNIGHT						
F9541, F9551	292	B4652	2.35	NL3	B9054	2.35
U 6	294	B4653	2.65	NP42	B9052	2.65
L7, X6, Z4, Z5, BA41	245C	B4689	3.23	SP55	B9063	3.23
A9811-12, H9817	285XS	B4687	4.12	SP67	B9073	4.12
LEWOL						
9101-2	292	B4652	2.35	NL3	B9054	2.35
MAJESTIC						
66, 116, 116A, 118	220B	B4655	3.82	NL3M	B9055	2.79
MALLORY						
201-2-3-4	201	B4656	3.97			
10, 11, 12, 13, 14 Ser.	210	B4663	4.41	SP5H	B9059	4.41
MOTOROLA						
34, 50, 60, 90	294	B4653	2.65	NP42	B9052	2.65
61, 88	302S	B4671	4.41			
77	230	B4672	4.41	SP5H	B9059	4.41
77A, 44A, 66	270B	B4673	3.53	SP53	B9058	3.53
55	231	B4674	4.26	SLH	B9065	4.26
44	235	B4675	4.26	SLH	B9065	4.26
57, 62, 75, 79, 100, 110	253T	B4676	2.65	NP42	B9052	2.65
MOTOROLA (cont'd)						
Dual 6, Twin 8	253	B4650	$2.65	NP42	B9052	$2.65
MUSIC MASTER						
TEN-TEN	292	B4652	2.35	NL3	B9054	2.35
PHILCO						
All to 1936, 816	500P	B4677	1.76	NP41	B9051	1.76
817, 818, 819	501P	B4678	1.76	NP44	B9053	1.76
RCA VICTOR						
5M, 6M, 6M2	249	B4679	3.23	SP62	B9061	3.23
M34, M105, M116	271*	B4661	3.53	SL51	B9074	3.53
M107	253	B4650	2.65	NP42	B9052	2.65
M101, M104, M108	287M	B4670	3.23	SP62	B9061	3.23
SEARS-ROEBUCK						
7128 (4 PRONG)	294	B4653	2.65	NP42	B9052	2.65
7117, 1859A	271	B4661	3.53	SP53	B9058	3.53
SIMPLEX						
T	292	B4652	2.35	NL3	B9054	2.35
SPARTON						
33, 33A, 33B, 333	292	B4652	2.35	NL3	B9054	2.35
36	222	B4654	3.38	SL5	B9064	3.23
STEWART-WARNER						
R112, 1121, 1122, 1123	292	B4652	2.35	NL3	B9054	2.35
R118, 1171, 1172, 1181	294	B4653	2.65	NP42	B9052	2.65
STROMBERG-CARLSON						
33, 33A	236	B4663	4.41	SP5H	B9059	4.41
UNITED MOTORS BUICK-OLDS-PONTIAC						
393884-5, 405045	273C	B4665	3.23	SP51	B9056	3.09
405046 Series	273C	B4665	3.23	SP51	B9056	3.09
544267 Series	273C	B4665	3.23	SP51	B9056	3.09
WELLS-GARDNER						
6U, 6S	253	B4650	2.65	NP42	B9052	2.65
V6Z2, Z6Z1	292	B4652	2.35	NL3	B9054	2.35
062, 062A	206	B4680	3.97			
072-072A	211	B4663	4.41	SP5H	B9059	4.41
WURLITZER						
A60, 460	292	B4652	2.35	NL3	B9054	2.35
ZENITH						
460, 462, 650HD	292	B4652	2.35	NL3	B9054	2.35
JUNIOR 7, FORD	296	B4651	2.65	NP6	B9050	2.65
5405-6, 5621-35	246	B4688	3.23	SP66	B9060	3.23

*Add 30c net for special cup adapter. **B4690.**



UNIVERSAL REPLACEMENT VIBRATORS



New universal vibrators for replacement purposes. Same type of high quality workmanship and materials as used in the standard lines listed on this page. Will service many vibrator-equipped sets.

NON-SYNCHRONOUS—STANDARD 4 PRONG

B4682. MALLORY MU1.
List, $3.00.
NET $1.76
In lots of 12, Each $1.47

B9068. UTAH NP420.
List, $3.00.
NET $1.76
In Lots of 12, Each $1.47

NON-SYNCHRONOUS—SPECIAL 4 PRONG

B4684. MALLORY MU3.
List, $3.50.
NET $2.06
In Lots of 12, Each $1.71

B9070. UTAH NP 450.
List, $3.50.
NET $2.06
In Lots of 12, Each $1.71

SYNCHRONOUS—STANDARD 5 PRONG

B4685. MALLORY MU4.
List, $4.50.
NET $2.65
In Lots of 12, Each $2.20

B9071. UTAH SP500.
List, $4.50.
NET $2.65
In Lots of 12, Each $2.20

SYNCHRONOUS—STANDARD 6 PRONG

B4686. MALLORY MU6.
List, $4.50.
NET $2.65
In Lots of 12, Each $2.20

B9072. UTAH SP660.
List, $4.50.
NET $2.65
In Lots of 12, Each $2.20

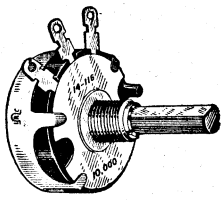
REVERSIBLE SYNCHRONOUS—SPECIAL 6 PRONG

B4683. MALLORY MU2.
List, $4.50.
NET $2.65
In Lots of 12, Each $2.20

B9069. UTAH SP620.
List, $4.50.
NET $2.65
In Lots of 12, Each $2.20

Values in VOLUME CONTROLS

IRC METALLIZED VOLUME CONTROLS



A new volume control with superior features. Operates quietly. Only 1¼" diam. In bakelite housing. Uses: **A**—Potentiometer or rheostat with uniform resistance change; **C**—Audio grid or antenna shunt; **D**—Antenna and "C" bias for one tube; **F**—Antenna and "C" bias for two tubes. **X**—Special control for use as fader.

No.	Use	Ohms
BI 1900	A	500
BI 1901	A	1000
BI 1902	A	2000
BI 1903	A	3000
BI 1904	A	4000
BI 1905	A	5000
BI 1906	C	5000
BI 1907	F	10000*
BI 1908	A	10000*
BI 1909	D	10000*
BI 1910	C	10000
BI 1911	D	15000*
BI 1912	F	15000*
BI 1913	F	20000*
BI 1914	D	25000*
BI 1915	A	25000
BI 1916	F	25000
BI 1917	A	50000
BI 1918	C	50000
BI 1919	C	75000
BI 1920	D	75000*
BI 1921	A	100000
BI 1922	C	100000
BI 1923	A	200000
BI 1924	D	200000*
BI 1925	C	250000
BI 1926	C	500000
BI 1927	A	500000
BI 1929	C	1Meg.
BI 1931	C	2 Meg.
BI 1932	C	3 Meg.
BI 1935	A	5 Meg.
BI 1936	A	10 Meg.

YOUR PRICE EACH. LESS SWITCH **59c**

			Less Switch NET EACH
BI 1928	C	500000t.	
BI 1933	X	1 Meg.	
BI 1930	C	1 Meg.t.	
BI 1934	C	2 Meg.t.	**88c**

*These controls are supplied with 300 ohm ½ watt resistor. For replacing controls in grid bias circuits which require fixed minimum resistance.

t-Tapped for tone control circuit.

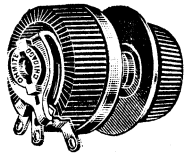
ATTACHABLE SWITCHES

BI 1325. S.P.S.T. Switch. NET.....**29c**
BI 1326. S.P.D.T. Switch. NET.....**35c**
BI 1327. D.P.S.T. Switch. NET.....**35c**

IRC CONTROL GUIDE

Sent **FREE**, on request, with each order for an IRC volume control.
BI 1938. IF ORDERED SEPARATELY. **5c**

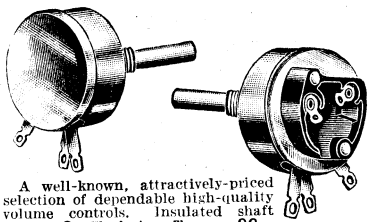
OHMITE VITREOUS ENAMELED RHEOSTATS



A high-quality line of power rheostats for all types of radio and power control circuits. Conservative current ratings are for open-air use at full resistance. Resistance wire is wound on porcelain core and covered with vitreous enamel, except for contact surfaces; assures extreme rigidity. Large contact shoe is of metal-impregnated carbon graphite. Shaft is insulated for use on metal panels. Requires ⅜" mounting hole. Three terminals; may be used as potentiometer.

Model H-25 Watt			Model J-50 Watt		
No.	Ohms	Each	No.	Ohms	Each
B6600	1	$2.65	B6622	.5	
B6601	2		B6623	1	$2.94
B6602	3		B6624	2	
B6603	6		B6625	4	
B6604	8		B6626	8	
B6605	10		B6627	12	
B6606	15		B6628	22	
B6607	25		B6629	35	
B6608	35	2.35	B6630	50	2.65
B6609	50		B6631	80	
B6610	75		B6632	150	
B6611	100		B6633	225	
B6612	175		B6634	300	
B6613	250		B6635	500	
B6614	350		B6636	800	
B6615	500		B6637	1000	2.79
B6616	750		B6638	1600	
B6617	1000		B6639	2500	
B6618	1500	2.65	B6640	3500	
B6619	2500		B6641	5000	2.94
B6620	3500	2.79	B6642	8000	
B6621	5000	2.79	B6643	10000	

UTAH-CARTER VOLUME CONTROLS



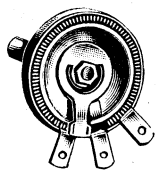
A well-known, attractively-priced selection of dependable high-quality volume controls. Insulated shaft type. **C**—Clockwise Taper; **CC**—Counter Clockwise Taper. All others with uniform taper. 1½ inch shafts may easily be cut to shorter length. ⅜" bushing. May be had with or without AC line switch.

Less Switch No.	Ohms	With Switch No.
B6950	600	B6968
B6951	1000	B6969
B6952	2000	B6970
B6953	3000	B6971
B6954	5000	B6972
B6955	6000	B6973
B6956	10000C	B6974
B6957	10000	B6975
B6958	15000C	B6976
B6959	20000C	B6977
B6960	25000	B6978
B6961	50000	B6979
B6962	75000CC	B6980
B6963	100000C	B6981
B6964	200000	B6982
B6965	250000C	B6983
B6966	500000C	B6984
B6967	1 Meg.C	B6985

List, 65c. NET EACH..... **38c** | List, 95c. NET EACH..... **56c**

B6987. AC SWITCH only for Carter Replacement Controls. EACH..... **18c**

UTAH-CARTER MIDGETS



Extremely compact. Precision-built wire-wound units. Only 17/16" dia., and ¼" deep back of panel. Dissipates 1 watt. Less knob. Single hole mounting type. May be used for all radio requirements. Ideal where space is at a premium. Large lugs make soldering easy. Save money by using these dependable low-priced midget controls.

POTENTIOMETERS

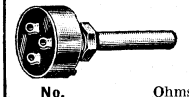
No.	Ohms	No.	Ohms
B9020	6	B9025	400
B9021	10	B9026	500
B9022	15	B9027	1000
B9023	20	B9028	1500
B9024	200		

RHEOSTATS

No.	Ohms	No.	Ohms
B9030	½	B9037	20
B9031	1	B9038	25
B9032	2	B9039	30
B9033	3	B9040	40
B9034	6	B9041	50
B9035	10	B9042	75
B9036	15		

List, 50c. YOUR PRICE EACH **28c**

UTAH "BABY" CONTROLS



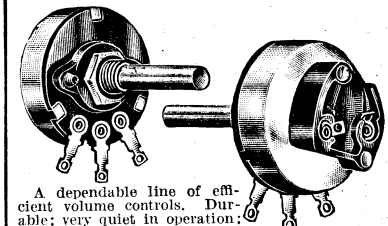
A new type volume and tone control, only 1" in diameter. Supplied less switch only. ¼x1" shaft; ⅜" bushing. Dissipates 1 watt.

No.	Ohms	No.	Ohms
B8975	1000	B8988	25000
B8976	2000	B8989	*25000
B8977	3000	B8990	*30000
B8978	4000	B8991	50000
B8979	5000	B8992	†75000
B8980	*5000	B8993	*100000
B8981	6000	B8994	200000
B8984	*10000	B8995	*250000
B8985	10000	B8996	*500000
B8986	*15000	B8997	*1 Meg.
B8987	*20000		

List, Each, 75c. NET EACH **44c**

*Clockwise taper. †Counter Clockwise. Balance are Uniform taper.

KNIGHT UNIVERSAL VOLUME CONTROLS

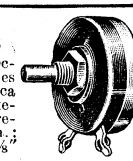


A dependable line of efficient volume controls. Durable; very quiet in operation; moisture-proof. Smooth contact action assures quiet operation. Rated at one watt. Case, 1⅝" diameter; ¼" shaft extends 1⅛". Code: **A**—Antenna control. **U**—Antenna and "C" bias. **W**—"C" bias. **P**—Potentiometer. **T**—Tone control or audio shunt.

Less Switch No.	Ohms	With Switch No.
B5960	1000A	B5973
B5961	2000A	B5974
B5968	3000P	B5985
B5962	5000U	B5975
B5963	10000U	B5976
B5969	15000P	B5986
B5964	20000W	B5977
B5965	25000P	B5978
B5966	50000T	B5979
B5967	75000W	B5980
B5968	100000T	B5981
B5969	250000T	B5982
B5970	500000T	B5983
B5971	1 Meg.T	B5984

YOUR PRICE EACH..... **28c** | YOUR PRICE EACH..... **40c**

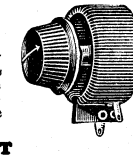
FILTERMATIC TONE CONTROLS



Advanced condenser type Octave Tone Control. Operates smoothly and noiselessly. Mica dielectric construction, in bakelite case; thoroughly moisture-proofed. Measures 1⅝" dia.; 11/16" deep. 1½" shaft; ⅜" bushing.

LESS SWITCH			WITH SWITCH	
Cap.	No.	Each	No.	Each
.003	B5025	35c	B5030	47c
.006	B5026	35c	B5031	47c
.01	B5027	41c	B5032	53c
.015	B5028	47c	B5033	59c
.02	B5029	53c	B5034	65c

CRL POWER RHEOSTATS



Ideal rheostats for many commercial applications. Give maximum dissipation for size because of complete air circulation. Frame and core are insulated with asbestos.

25 WATT

No.	Ohms	No.	Ohms
B3000	2	B3005	400
B3001	6	B3006	1000
B3002	15	B3007	5000
B3003	50		
B3004	150		

NET EACH..... **$1.18**

50 WATT		75 WATT	
No.	Ohms	No.	Ohms
B3010	25	B3017	50
B3011	60	B3018	150
B3012	150	B3019	300
B3013	500	B3020	500
B3014	1000	B3021	1000
NET EACH	**$1.47**	YOUR NET PRICE EACH.....	**$1.76**
B3015	5000		
NET	**$1.62**		

UTAH POWER "L" PADS



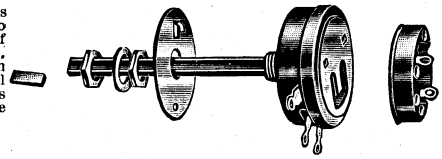
A new line of highly efficient heavy-duty "L" Pads. Recommended for single or dual mixing systems, as constant impedance is maintained in only one side of the control.

No.	Ohms	Watts	No.	Ohms	Watts
B9044	500	2½	B9046	8	25
B9045	1000	2½	B9047	16	25
NET PRICE EACH....	**$1.76**		B9048	500	25
			B9049	1000	25
			NET EACH....		**$2.94**

STANDARD YAXLEY VOLUME CONTROLS

YAXLEY UNIVERSAL VOLUME CONTROLS

These new Yaxley Universal Controls make it possible for the serviceman to replace defective controls, regardless of size, shape, or electrical characteristics, in over 90% of all the radio receivers in use today. With a comparatively small stock, you can now meet the requirements of all repair jobs which call for volume or tone control replacements.



ABSOLUTELY NOISELESS

Continuous scientific development has resulted in the new Yaxley permanent silent controls. They have perfectly smooth tapers controlled by special geometric design. Silver-to-silver contacts are used between all moving current-carrying parts to result in perfect, noiseless contact between the moving arm of the control and the resistance element. This is the ideal control for all service work or new set construction. Low priced quality units.

WITH ADVANCED FEATURES

● Easily set minimum bias adjustments on all bias controls. ● 3 inch shaft, easily cut to desired length. ● Easily attached separate Underwriters' Approved power switch. ● Knob adapter—not necessary to file shaft. ● Extension bushing—allows use of control through ⅝" panel. ● Absolutely noiseless contact between moving arm and resistance element.

UNIVERSAL REPLACEMENT CONTROLS

No.	Ohms	Type	Taper
B8583	2	‡Q	IV
B8584	6	‡R	IV
B8585	10	‡S	IV
B8586	20	‡T	IV
B8587	30	‡U	IV
B8588	60	‡V	IV
B8589	100	‡W	IV
B8590	200	‡X	IV
B8591	400	‡A400P	IV
B8592	500	‡A	I
B8593	550	‡A550P	IV
B8594	1000	‡A1MP	IV
B8595	1000	‡B	I
B8596	1000	‡UC500	II
B8597	2000	‡*A2MP	IV
B8598	2000	‡*C12	I
B8599	2000	‡*C	II
B8600	3000	‡*A3MP	IV
B8601	3000	‡*D12	I
B8602	3000	‡*D	II
B8603	3000	‡*D7	VII
B8604	5000	‡*A5MP	IV
B8605	5000	Y5MP	IV
B8606	5000	E12	I
B8607	5000	‡*E	II
B8608	5000	‡*E7	VII
B8609	7500	F12	I
B8610	7500	‡*F	II
B8611	7500	‡*F7	VII
B8612	10000	‡*A10MP	IV
B8613	10000	Y10MP	IV
B8614	10000	G12	I
B8615	10000	‡*G	II
B8616	10000	UC501	II
B8617	10000	‡*G7	VII
B8618	15000	H12	I
B8619	15000	‡*H	II
B8620	15000	‡*H7	VII
B8621	20000	‡*A20MP	IV
B8622	20000	Y	I
B8623	25000	Y25MP	IV
B8624	25000	J	II
B8625	50000	Y50MP	IV
B8626	50000	K12	I
B8627	50000	K	II
B8628	75000	Z12	I
B8629	75000	Z	II
B8630	100000	Y100MP	IV
B8631	100000	L	I
B8632	100000	UC510	II
B8633	150000	UC502	I
B8634	200600	Y200MP	IV
B8635	250000	Y250MP	IV
B8636	250000	M	I
B8637	250000	†UC511	I
B8638	250000	UC509	II
B8639	500000	Y500MP	IV
B8640	500000	N	I
B8641	500000	†UC512	I
B8642	500000	††UC515	I
B8643	500000	UC513	II
B8644	750000	UC503	I
B8645	1 Meg.	Y1000MP	IV
B8646	1 Meg.	O	I
B8647	1 Meg.	†UC514	I
B8648	2 Meg.	P	I
B8649	3 Meg.	UC504	I
B9000	4 Meg.	UC505	I
B9001	5 Meg.	UC506	I
B9002	5 Meg.	UC507	II
B9003	9 Meg.	UC508	I

* Adjustable Bias Feature.
† Slotted Shaft for auto sets.
††Extra long shaft for auto radios, etc.
‡ Wire-Wound Element. Balance Carbon.

List, $1.00. NET EACH..... **59c**

ATTACHABLE VOLUME CONTROL SWITCHES

Listed as standard by the Underwriters' Laboratories. Ingenious construction makes them easily attached or removed. Uses the slide-clip method of switch attachment, which has been found most satisfactory for installation in radio service work. Available in five types listed below.

B9004. Type 6-9. S.P.S.T. Special thin design. "On-off" switch. List, 50c. NET..**29c**

B9005. Type 7. D.P.S.T. Thin design. Similar to Type 6. List, 60c. NET.....**35c**

B9006. Type 8. S.P.D.T. Slightly larger than Types 6 and 7. List, 60c. NET.....**35c**

B9007. Type 13. (3PST). Shorting. List, 60c. NET **35c**

B9008. Type 14. (4PST). Shorting. List, 60c. NET **35c**

YAXLEY VOLUME CONTROL TAPER CHARTS

The graphs shown here illustrate the various tapers of Yaxley volume controls. To simplify the reading of these tapers, the following explanations are given:

I. A modified logarithmic left-hand taper in the carbon unit; semi-logarithmic taper in the wire wound units. For use in shunt circuits, such as antenna and audio circuits.

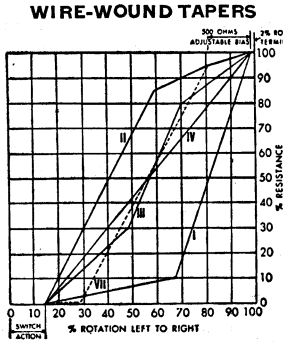
II. A right hand logarithmic taper in the carbon controls, semi-logarithmic in the wire-wound types. For series circuits, such as cathode voltage controls.

III. Combination right and left hand taper. For antenna and "C" bias control.

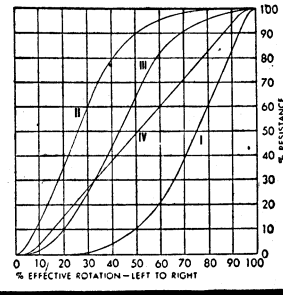
IV. Linear taper. Used where the voltage changes proportionate to the degree of rotation.

VII. A left hand taper found only in wire-wound controls. Useful in combined antenna and bias control circuits.

WIRE-WOUND TAPERS



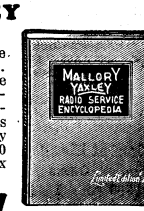
CARBON CONTROL TAPERS



REPLACEMENT VOLUME CONTROLS

Manufacturer and Model	Cat. No.	YOUR PRICE
A. C. Dayton		
"Navigator" Series	B9009	$0.88
Aircastle		
Z4, Z5	B9010	.88
All-American Mohawk		
D, DC, H, B80	B8500	1.47
60, 61, 62, 65, 66, 80, 83, 84, 85, 86, 88, 110 V. D.C., 8T	B8501	.88
B7	B8502	1.47
Allied Radio		
G9545, G9547, G9549	B8509	.88
SG9	B8531	1.47
Z4, Z5	B9010	.88
Atwater Kent		
37, 37C, 37F, 38, 40, 40F, 41DC, 42, 42F, 43, 44, 44F, 45, 46, 47, 52, 53, 56, 57	B8503	.29
61, 61C(DC), 60, 60C (Early) 55F, 55FC (Early), 55, 55C (Early)	B8504	.29
55, 55C (Late), 60, 60C (Late), 60, 60C (3rd type), 66, D1 (70, 74, 76), D2 (70, 74, 76), F (70, 74, 76), L1 (70, 74, 76), L2 (70, 74, 76), P (75), 87D, 55F, 55FC (Late)	B8505	1.47
H1, H2 (72)	B8506	1.47
Q (70, 76)	B8507	1.47
84 (Late), 84F (Late), 87, 94, 94F	B8508	.88
810, 511, 112	B8509	.88
Balkeit		
ML1, ML2, Z4, Z5	B9010	.88
Belmont		
404	B8510	.88
541, 544, 545, 555, 640, 755	B8511	.88
770 "A"	B8512	.88
Brunswick		
B17 (For PR17-8, 2nd Type)	B9014	.88
Colonial		
164, 164B, 182	B9015	.88
Crosley		
27, 28, 48, 53, 54, 56, 57, 58, 77-1	B8513	.88
30S, 31S, 33S, 34S, 40S, 41S, 42S, 60S, 61S, 62S, 63S, 82S	B8514	.88
40S, 41S, 42S, 82S	B8515	1.47
41, 41A, 42, 602 (Bandbox), 608 (Gembox), 609 (Gemchest), 610 (Gembox), 704 (Showbox) (Jewelbox), 704A (Jewelbox), 704B, 705 (Showbox DC), 706 (Showbox)	B8516	.88
76, 77A, 77B, 77L, 84C, 84D, 121 Series "B", 127, 127-1, 150	B8525	.88
121 Series "A", 123, 126, 126-1	B8526	.88
128, 129-1, 131, 137, 154, 169	B8527	.88
526, 555, 626, 916, 955, 1016, 1155, 5526, 5555, 6625	B8528	1.47
130, 130-1, 132-1, 136-1	B8529	1.47
816, 989 (926), 769 (726), 1199 (1126)	B8530	.88

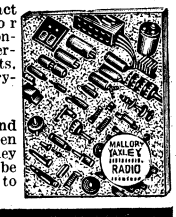
MALLORY-YAXLEY ENCYCLOPEDIA



$75,000 worth of valuable information for only $1.47. The most amazing service manual ever printed. Eliminates guess-work from servicing. Here, in one book, is the correct answer to every service problem. Over 200 pages. Cloth-bound. 8½"x 11". Wt., 2 lbs.

B11801. NET **$1.47**

YAXLEY CATALOG AND VOLUME CONTROL GUIDE



B11800. Shows exact replacement controls for hundreds of sets. Also contains pertinent data covering condensers, rheostats, and the entire Mallory-Yaxley radio line.

FREE

The Yaxley Catalog and Volume Control Guide given free with order for Yaxley volume controls or can be secured by sending 5c to cover cost of handling.

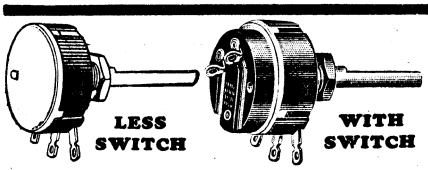
REPLACEMENT YAXLEY VOLUME CONTROLS

REPLACEMENT VOLUME CONTROLS

Manufacturer and Model	Cat. No.	YOUR PRICE
Detrola		
1200	B9016	$0.88
Echophone		
1800, 7114	B8513	.88
Erla		
225, 271A	B9017	1.47
4500	B8513	.88
Fada		
KF (43), KG (761, 762, 764, 766), 43	B8531	1.47
S, 26-36, 35B	B8532	1.47
"7AC" (475-UA or CA, 472-UA or CA, SF45/72-UA or CA, SF45/75-UA or CA), "Special A.C." 262-UA or CA, 265-UA or CA, RP-62-UA or CA, RP-65-UA or CA, 10, 10Z, 11, 11Z, 16, 16Z, 17, 30, 30Z, 31, 31Z, 50, 50Z, 70, 71, 72, 70Z	B8533	.88
M250, M250Z, 15M, 15MZ, 16, 16Z, 17, 18DC, 20, 20Z, 25, 25Z, 32, 32Z, 75, 77	B8534	.88
1556	B8513	.88
Fairbanks-Morse		
72 (72T3, 72C2, 72C3), 73, (73T3B, 73C3B)	B9018	.88
Freshman		
21 AC and 22 AC	B9019	1.47
Galvin		
44, 55, 77, 77A	B9106	.88
General Electric		
A64, A67, A70, A75	B8555	.88
A82, A87	B9107	1.47
B-40	B9015	.88
C-41	B8539	.88
E52	B9108	.88
J70, J75, S22, S22X, S22D, S42, S42D, SZ42P	B9109	.88
J80, J85, JZ835, K62, K82, KZ62P, S132	B9110	.88
C60, K64, K64D, K66, K66M, K80, K80X, K85, K88, K88X, M50, M51, M52, M55, M56, M61, M62, M65, M66, M67, M68, M69, M81, M85, M86, M89, M106, M107	B8555	.88
C67, K60, K60P, K63, K65, K65P, K78, K79, M63	B8542	.88
J125A	B8510	.88
K105, K106, K106P, K107, K126, M125, M128, M128R, M129	B8558	.88
T41	B8548	1.47
General Motors		
"Little General" 110, 120, 130, 140, ("A," "B" between serials 29100A and 62100A, and 1700B and 1964B), 120, 130, 140 ("A," "B" above serial 62100A, 1964B), 180, 190	B9111	1.47
120, 130, 140 ("A," "B" below serial 29100A-1700B)	B9112	1.47
170E	B9113	.88
Goldentone		
Z4, Z5	B9010	.88
Graybar		
GB8, GB8A, GC13, GG15, GT7	B9109	.88
GB9, GB989, GC14, GT8	B9110	.88
GB310, GB311, GB320	B8554	.88
GB330, GB340	B8551	.88
GB500, GB550	B8553	.88
GB600	B8552	.88
GB678	B8548	1.47
Grunow		
5G (580, 581), 6G (680, 681), 6J (640, 641)	B9114	.88
6A Early (650, 651), 6C Early (660, 661, 662), 7A (700, 701), 7B (750, 751, 752, 753), 9A Early (901, 902), 9A (901, 902) Revised, 8A (801), 9C (921)	B9115	.88
8E (871)	B8512	.88
Howard		
D8	B8509	.88
Kolster		
K43, K43A, K44	B9116	1.47
Lewol		
LW4, LW4DW	B8513	.88
Majestic		
30 (31), 50 (51, 52)	B8535	$1.47
60 (61, 62), 160 (163)	B8536	.88
100 (101), 180 (181)	B8537	1.47
100B (102, 103)	B8538	1.47
118, 118P	B8539	.88
230A (233 Comet)	B8540	1.47
Midwest		
Miraco 18G-226	B9019	1.47
Montgomery-Ward		
AE10 (Two Types), 2655	B8580	1.47
7GM, 62-185, 62-187, 62-190, 62-196	B8576	1.47
62-179, 62-194, 62-206, 62-216, 62-218	B8573	1.47
17 ('31) "Turret Cond."	B9117	1.18
62-20, 62-20X, 62-25	B9118	.88
62-53, 62-71, 62-74, 62-74X	B8578	.88
77, 95, 62-120, 62-122, 62-126, 62-128	B8574	.88
62-360, 62-367	B8579	.88
62-178, 62-181 (Battery Super), 62-189, 62-211	B8575	.88
62-23	B9119	1.47
Noblitt-Sparks (Arvin)		
10A (Two Types), 15, 16, 20A (Two Types), 20B, 25, 30A (Three Types), 35 (Two Types), 45 (Two Types)	B8539	.88
Philco		
20, 20A, 21, 41 DC, 42 DC, 70, 70A (below No. B-22,000), 77, 77A, 90, 90A (with 2—45's) 220, 220A, 270, 270A, 470, 470A, 570 Grandfather's Clock (below B-22,000)	B8541	1.47
37-604	B8542	.88
620, 620 (Code 121), 625, 630 630 (121), 635, 635 (Code 124), 640 (Code 121), 640X (Code 122), 645	B8543	.88
808	B8512	.88
16, 16 (Codes 121, 122, 123), 16 (Codes 125, 126, 127), 17 (Late), 17 (Code 121) (Late), 17, 17A (Codes 122 and 123), 116B (Code 121), 500, 501	B8544	.88
200X, 201, 509X	B8545	.88
37-116 (Codes 121, 122), 37-610 (Codes 121, 122), 37-620, 37-623, 37-630, 37-640, 37-650, 37-660, 37-670, 37-675 (Code 121-2)	B8546	.88
R.C.A.		
Victor R32, Victor RE45, Victor R52, Victor RE75	B8547	1.47
Victor R14, Victor R15, Victor RE17, Radiola 42, Radiola 48	B8548	1.47
Victor R35, R39, RE57, Victor RE73	B8549	1.47
Radiola (33DC)	B8550	.88
Radiola 60, Radiola 62	B8551	.88
Radiola 66	B8552	.88
Radiola 44 (AC), Radiola 46 (AC), Radiola 47	B8553	.88
Victor 7-11 (Radiola 18), Victor 7-26 Electrola Radiola, Radiola 18 (AC), Radiola 18 (DC), Radiola 33 (AC), Radiola 51 (AC), Radiola 51 (DC)	B8554	.88
9 tube General Purpose A.W. (AVR-5A), AVR-1, 5M Automobile, AVR-5A 9 tube General Purpose A.W., T 5-2, CRD9 (DC) Counter Demonstrator, M107, 117, 118, 119, 121, 122, 125, 127, 128, 128E, ACR136, 140, 141, 141E, 140, 141, 141E (Revised), 143, 211, 214, 220, 221, 222, 224, 224E, 225, 226, 240, 240 (Revised), 242, 243, 262 (Two Types), 262, 263 (1935 Production), Duo 320, Duo 321, 322, Duo 322, 322E, Duo 322E, 327, 340, 340E, 340, 340E "All Wave Duo," 341, 342	B8555	.88
R37, R37P, R38, R38P, 120, 124, 223, 330, 331	B8542	.88
5T, 6K, 6K2, 6T, 6T2, C6-2, C6-8, T6-1, T6-7, 7K, 7T, 7U, 7X, C7-6, C7-14, D7-7, T7-5, T7-12, 8K, 8T, 8U, C8-15, C8-17, C8-19, C8-20, D8-28, T8-14, T8-16, T8-18, C9-4, C9-6, D9-19, T9-9	B8556	.88
R.C.A.— (Cont'd)		
9K, 9K2, 9T, 10K, 10T, T10-1, T10-3, C11-1, D11-2, T11-8, C13-2	B8557	$0.88
C15-3, D22-1, R90, R90P, 260, 261, 280, 281, Duo 380, Duo 380HR, Duo 381	B8558	.88
Sears-Roebuck		
1800, 7106, 7111X, 7112, 7114, 7121	B8513	.88
1705, 1729	B8511	.88
1715, 1720, 1721, 1722, 1722 (Revised), 1722X, 1725, 1726X, 1732, 1732 (Revised), 1732X	B9120	1.47
7065	B8540	1.47
Sparton		
12	B8559	1.47
400, 410 AC (Jr.), 410 DC (Jr.), 420 AC (Jewell), 420 DC (Jewell), 9A	B8560	1.47
AC62, AC63, 69, 79, 79A, 89, 89A, 99, 101, 109 DeLuxe, 110, 111 (DeLuxe) (Two Types), 301 AC, 301 DC, 930 AC, 931 AC, 931 DC, AC7, 589, 591, 593, 9-30	B8561	.88
103, 111A, 235, 564, 564DC, 570, 570 DC, 574, 578, 600, 600 DC, 610, 610 DC, 620, 620 DC, 737, 740, 740 DC, 750 AC, 750 DC, 870	B8562	.88
Stewart-Warner		
R100A, B, E, (AC) 950 Series	B8563	.88
R126, Series R126A, R126P, R126X, (1261-1269)	B8509	.88
R142A, R142AS (1421-1429)	B8513	.88
R149 (1491-1499)	B8543	.88
Stromberg-Carlson		
12, 14, 27AC	B8564	.88
22, 22A	B8565	.88
48, 49, 50, 51	B8566	1.47
150	B8512	.88
635 (DC), 635, 636, 638, 638 AC, 638 DC (All Front Controls)	B8567	.88
635DC, 635, 636 (All rear controls)	B8568	.88
638 AC, 638 DC (All rear controls)	B8569	.88
641, 642, 652, 654 (All front controls)	B8570	.88
641, 642, 645, 652, 654, 846, 848 (All rear controls)	B8571	.88
846, 848 (front)	B8572	.88
United American Bosch		
28 (AC), 29 (AC), 38	B9121	.88
Wells-Gardner		
ODM, 2CM	B8573	1.47
5E Series (25E1, 25E5)	B8574	.88
5G Series (35G510, 35G560)	B8575	.88
7GM Series (37G508, 37G566), 7K	B8576	1.47
9 in line, 90, 91, 92, 93, 200, 291, 292, 295	B8577	1.47
50, 572, 872	B8578	.88
60, 63, 161, 162	B8579	.88
C-CG (1st and 2nd types)	B8580	1.47
Western Auto		
Z4, Z5	B9010	.88
Zenith		
10, 11, 12, 31, 32, 34P, 33, 33X, 34, 35, 35A, 35P, 35AP, 35APX, 35PX, 37A, 39, 39A, 40A, 41, 42, 52, 53, 54, 55 (50 Series), 60, 61, 62, 64, 67 (60 Series), 71, 72, 73, 77 (70 Series), 80 (Hypermetron), 102, 112, 122, 333, 342, 342P, 352, 352A, 352P, 352AP, 352PX, 352APX, 353A, 362, 362X, 392, 392A, 412, 422, 563, 602, 613, 622, 642, 672, 712, 722, 732, 777	B8581	.88
52, 53, 54, 55 (50 Series), 60, 61, 62, 64, 67 (60 Series), 71, 72, 73, 77 (70 Series), 712 (Early) Dual Controls	B8582	1.47
410, 411, 420, 430, 440, 476, 476A (Chassis 2032), 520, 521, 530, 531, 533, 535 (Chassis 2035), 770 (Chassis 2032), 775 (Chassis 2032), 780 (Chassis 2032), 980, 985, 990 (Chassis 1201, 1201A)	B8509	.88
730, 735	B8574	.88

Centralab
CENTRAL RADIO CRL LABORATORIES

— STANDARD — Volume Controls



STANDARD RADIOHM VOLUME CONTROLS

The new small size CRL Standard Control. Listing below covers practically all requirements. Only 1⅜" dia.; less than 9/16" deep without switch. With 2¼"x ¼" shaft which may be cut to fit. Carbon type. See chart below for taper. Supplied with or without No. B3095 snap-on switch described below.

Less Switch No.	CRL No.	Max. Res. Ohms	Curve No.	With Switch No.	CRL No.
B3025	72-118	500	1	B3060	62-118
B3026	72-107	1000	1	B3061	62-107
B3027	72-101	2000	1	B3062	62-101
B3028	72-108	3000	1	B3063	62-108
B3029	72-109	4000	1	B3064	62-109
B3030	72-110	5000	1	B3065	62-110
B3031	70-204	5000	6	B3066	52-204
B3024	72-139	7500	1	B3075	62-139
B3032	72-114	10000	1	B3067	62-114
B3033	72-113	10000	3	B3068	62-113
B3034	70-205	10000	4	B3069	52-205
B3035	72-100	10000	6	B3070	62-100
B3036	72-115	15000	3	B3071	62-115
B3037	79-006	15000	4	B3072	99-006
B3038	72-119	20000	3	B3073	62-119
B3039	72-111	25000	1	B3074	62-111
B3041	70-206	25000	4	B3076	52-206
B3042	72-102	25000	3	B3077	62-102
B3043	72-103	50000	1	B3078	62-103
B3044	72-117	50000	6	B3079	62-117
B3045	72-123	75000	6	B3080	62-123
B3046	70-202	75000	4	B3081	52-202
B3047	72-104	100000	1	B3082	62-104
B3048	72-122	100000	6	B3083	62-122
B3040	72-136	150000	6	B3094	62-136
B3049	72-120	200000	1	B3084	62-120
B3050	72-131	200000	4	B3085	62-131
B3051	72-121	250000	6	B3086	62-121
B3052	72-105	500000	6	B3087	62-105
B3053	72-106	500000	1	B3088	62-106
B3054	70-203	500000	2	B3089	52-203
B3022	72-140	750000	6	B3096	62-140
B3055	72-116	1 Meg.	6	B3090	62-116
B3023	72-137	2 Meg.	6	B3097	62-137
B3056	72-132	3 Meg.	6	B3091	62-132

LESS SWITCH
NET EACH CONTROL ... **59c**
5 for **$2.65**

WITH SWITCH
NET EACH CONTROL .. **88c**
5 For **$3.95**

B3059	72-138	250000	Tapped Audio Grid	B3098	62-138
B3057	72-134	500000		B3092	62-134
B3058	72-135	1 Meg.		B3093	62-135
B3016	72-142	2 Meg.		B3009	64-142

NET EACH ..... **88c** | NET EACH **$1.18**

RADIOHM SWITCH COVER

Underwriters' approved. Bakelite insulated switch mounted on snap-on type plate.

B3095. NET EACH **29c**

SPECIAL SWITCH COVERS

B3210. S.P.D.T. 3 Terminal Switch.
B3211. D.P.S.T. 4 Terminal Switch. EA. **35c**

REPLACEMENT VOLUME CONTROLS

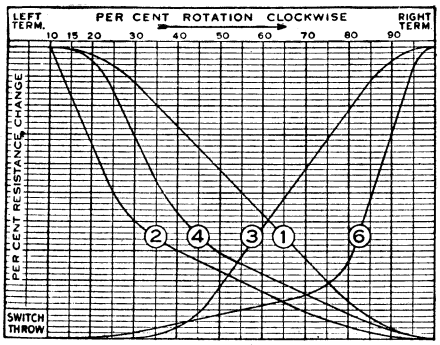
A very thorough listing of the latest line of Centralab Replacement Volume Controls. Designed to replace original units effectively. Controls marked (*) are EXACT Duplicates. If the control you require is not listed, write to us stating the name and model of set, with tube lineup, or send in the old control, and we will supply correct replacement.

Manufacturer and Model	Cat. No.	NET
Allied Radio (See Knight)		
Atwater Kent		
469Q, 558Q, 424, 534	B3052	$0.59
37, 38, 40, 42, 52, 41, 43, 44, 45, 53, 47	B3106*	.88
60, 60C, 70 (D & L Chassis), 74 (D & L Chassis), 76 (D & L Chassis), 87D (F Chassis)	B3105*	1.76
H2 Series, 72, H1 Series	B3107*	1.47
70 & 76 (Q Chassis)	B3108*	1.47
80, 83, 90	B3122*	1.18
165, 217, 246, 275, 310, 667, 448, 555, 708, 82D, 188, 228, 260, 467, 266, 612, 627, 808, 812, 89F, 92	B3087	.88
67, 67C	B3047	.59
511	B3057	.88
567, 567F	B3705	.88
944	B3073	.88
Brunswick		
10 Midget	B3112*	1.18
14, 21, 31 Panatrope	B3076	.88
Crosley Radio		
60, 61, 62S, 74, 56	B3043	.59
41A, 42, 61, 602, 608, 610, 609, 704, 705, and 706	B3113*	.88
AC7, Buddy, Chum	B3025	.59
40S, 41S, 42S, 82S, 71A	B3114*	1.47
21, 22 Batt.	B3046	.59
28, 30, 31, 33, 34, 315	B3115*	.88
127, 126-1	B3051	.59
53, 54, 57, 58, 605, 615	B3039	.59
400, 410, 420	B3026	.59
55, 91, 92 Auto.	B3047	.59
77-1, 59	B3037	.59
122 Super Smoker	B3027	.59
154	B3070	.88
124, 125	B3215*	1.18
95, 96, 98, 99 Auto Sets	B3091	.88
133	B3036	.59
141, 147, 155, 163, 166, 176, 148, 159, 167, M5-3	B3065	.88
128	B3111*	1.18
182	B3087	.88
134, 134-1, 175	B3052	.59
146, 157, 158, 164, 170, 171, 168-D	B3056	.59
166, 169, 172, 174, 176	B3068	.88
Edison, Inc., and Splitdorf		
C1, C2, R1, R2, SRC3, Rear	B3117*	.88
C1, C2, R1, R2, SRC3 Front	B3118*	.88
R4, R5, C4, R6, R7, R12, Abbey Jr.	B3119*	1.47
Eveready (National Carbon)		
1, 2, 3	B3116*	.88
50 Series	B3159*	1.47
Fada (F.A.D. Andrea)		
30, 30A, 31, 10, 11	B3100*	.88
25, 15M, 15MZ	B3103*	.88
122-KE	B3039	.59
41, 42, 44, 46, 47, 81, 84	B3055	.59
48, 49-KW	B3087	.88
45, 51, 53, 57	B3067	.88
General Electric		
T41	B3125*	1.47
H31, H51, H71	B3029	.59
A82, A86, A87	B3126*	1.47
GET 12	B3038	.59
MDO 2530	B3043	.59

Manufacturer and Model	Cat. No.	NET
General Motors Radio (Day-Fan)		
5066, 5065, 5057, 6DC, 110-6-MG	B3039	$0.59
8AC, 5077, 5080	B3042	.59
A5005, A5020, 216, 217, 219	B3043	.59
150, 160, "A," "B"	B3127*	1.47
72	B3031	.59
5003, 5004, 5010, 5091, 5048	B3035	.59
120A, 130, 140, 110, 18, 180	B3216*	1.47
211-S8A, S98, S38, 200, 201, S-1-A-216, 217, 219, 250	B3078	.88
1001, 160	B3130*	1.47
S-11-D, 1095, 250	B3078	.88
220, S-10-A, 10-B	B3071	.88
S-2-B, S-3-A, S-3-B, 251-8	B3067	.88
Grunow (General Household Util.)		
500	B3090	.88
501	B3087	.88
1101	B3055	.59
Chassis, 6A, 6C	B3146*	1.18
750	B3149*	1.18
4-B, 4-BX, 4-C Chassis	B3024	.59
5-G, 6-J Chassis, 580, 581, 640, 641, 680, 681	B3144*	1.18
6D, 8D Chassis	B3093	1.18
Howard Radio		
SG-A, SG-C	B3148*	1.47
SGB, H.O., 35AC, 40	B3034	.59
X2, X3, X8, Z4	B3087	.88
Kennedy, Colin B., Corp.		
Royal 60, 80	B3052	.59
12SG, 10, 20, 22	B3152*	1.47
34, 30, 32, 50, 52, 56	B3032	.59
26, 526, 826, 36, 38, 40	B3129*	1.47
Knight (Allied Radio Corp.)		
6/7, 8/9, 9 Tube Super	B3028	.59
SG8	B3076	.88
SG9	B3154*	1.76
SG10	B3155*	1.18
AC5	B3046	.59
7 Tube Super (108)	B3069	.88
9 Tube Super (114)	B3087	.88
7 Tube Super (108), 9 Tube Super (114), (Tone Cont.)	B3044	.59
Kolster Radio (Columbia Phono)		
K21, 23, 24	B3044	.59
K26 to 32, B10, B15, B16, 902, 961	B3042	.59
C1, C3, C2, C4, C5, C6, C7, 40-60-7K, 902, 930	B3055	.59
K42, K43, K44, K45	B3157*	1.47
930 Phono Comb.	B3154*	1.76
100 Series	B3087	.88
60 Series, 31-33	B3065	.88
70, 80, 90 Series	B3071	.88
32-34	B3069	.88
Majestic (Grigsby Grunow)		
70, 70B, 71, 72	B3131*	.88
180, 181	B3132*	1.47
80	B3035	.59
50, 51, 52	B3133*	1.47
90, 91, 92, 180, 321 (Equalizer)	B3134*	.88
90 Series	B3135*	.88
30, 31, 230A	B3136*	1.76
130A, 130, 131, 132	B3138*	.88
25, Early 251, 253, 254	B3139	1.18
15, 15B, 150	B3140*	1.18
120, 121	B3141*	1.47
60 Series, 160	B3142*	.88
210, 211, 214, 215	B3143*	.88

* Exact Duplicate Control.

STANDARD CENTRALAB RESISTANCE CURVE CHART



The taper curves illustrated on the left will help you select the proper Centralab Volume Control for use in any type of radio circuit. The numbers shown on each curve correspond to the curve numbers given in the Standard CRL Control listing above. Standard applications of each curve are as follows: (1) Voltage divider with uniform resistance change, (Pot.). (2) "C" bias rheostat (L.H.). (3) Antenna and "C" bias of one tube (R.H.). (4) Antenna and "C" bias of two tubes (L.H.). (6) Audio grid, antenna shunt, or tone control (R.H.). Curves shown are arranged to indicate minimum volume at the left and maximum volume at the right. The figures at the left of the curves indicate percentage of resistance change; figures at top indicate percentage of clockwise rotation. Refer to this chart when ordering volume controls.

VOLUME CONTROL GUIDE



The new completely revised CRL Volume Control Guide. Packed with valuable information every Serviceman should have. Larger than ever. Contains 168 pages of up-to-the-minute information. Some of the features are: 400 individual types of radio set listings covering 7000 different models; set model numbers listed in numerical order; new tone and wave-band switch listing; new Midget Radiohm listing; new Economy P.A. controls; control information on late 1936 and early 1937 sets. **FREE on request with every order for CRL volume controls.**

B3099.
IF ORDERED SEPARATELY..... **10c**

Centralab
CENTRAL RADIO CRL LABORATORIES

REPLACEMENT Volume Controls

REPLACEMENT VOLUME CONTROLS

Manufacturer and Model	Cat. No.	NET
Majestic (Cont'd)		
25B, 251B, 253B, 254B, 35, 351, 353	B3226*	$1.18
111 Auto	B3229*	.88
66 Auto	B3232*	1.18
118 Ford Auto	B3233*	.88
20, 21, 22, 23	B3234*	1.18
200, 201, 203, 204	B3235*	.88
220, 221, 223	B3236*	.88
290, 300, 310, 77	B3237*	.88
370, 371, 373	B3239*	1.18
440	B3241*	1.18
460	B3242*	.88
Montgomery-Ward (Airline)		
1522-62, 3035-37-65-67, 811, 1711, 1611	B3037	.59
WG-24, 62-3, 62-6, 62-7, 62-8, 62-9, 62-104	B3072	.88
62-22, 62-30, 62-21, Auto, 17	B3052	.59
63-38, 62-40, 62-50, 62-91, 62-93	B3055	.59
62-1, 62-2	B3048	.59
13, 15, 16, 16X, 17, 18, 18X	B3033	.59
07A	B3248*	.88
87, 62, 101, 101X	B3087	.88
77, 95	B3249*	1.18
Motorola		
60, 70, 75, 79, 80 Golden Voice	B3208*	1.18
Philco		
65	B3223*	.88
86, 87, 511	B3161*	.88
1, 2, 3, Transitone No. 7 Auto.	B3052	.59
20, 21, 41DC, 42DC, 70, 70A, 77, 90 (2-45's), 470	B3162*	1.47
14, 17, 18, 49, 118	B3178*	1.18
16 (Code 125, 126, 127); 17 (Code 122); 116B (Code 121); 116X (Code 122); 650, 655, 660, 665	B3179*	1.18
28AC-DC; 45 AC-DC	B3180*	1.18
37-10 & 11 (Code 121); 37-116; 37-610; 37-620; 37-623; 37-630; 37-640; 37-650; 37-655; 37-660; 37-670, and 37-675 (Codes 121 & 122)	B3181*	.88
37-84 (Code 122), 84, 84B	B3182*	1.18
111, 111A, 112, 112A, 30, 96	B3163*	.88
51, 52, 48 D.C., 51A	B3164*	.88
71, 47DC	B3165*	.88
57	B3168*	1.18
95	B3166*	.88
16	B3167*	1.18
70, Lazy X, 370	B3221*	1.76
60, 261	B3222*	1.18
76	B3224*	.88
41, 42	B3052	.59
35, 36 (Batt.)	B3169*	1.47
FT-6 Ford Car Radio	B3225*	1.18
38, 38A Batt.	B3214*	.88
80	B3183*	1.18
81	B3196*	.88
89 Late	B3197*	.88
144	B3167*	1.18
90 (1-47), 490	B3199*	.88
90 (2-47)	B3200*	.88
610	B3188*	1.18
620, 625, 630, 635	B3184*	1.18
640, 641, 642, 645, 651	B3186*	1.18
FT-9 Ford; 816; 817; S1431 Studebaker	B3187*	.88
R.C.A. Victor		
5T, C-6-8, C-6-2, 6-T-2, 6K and 6K2 series; 8K and T series; T-8-14 and 18 series; C, D and T9 series.	B3204*	.88
9K and T series; 10K and T series; C11 series and C13-2	B3205*	.88
AVR-1, 9 Tube AW; 121, 2, 7 series; 140 series; 220 series; 240; 320 and 340 series	B3206*	.88
C-15-3, C-15-4, D-22-1, 281.	B3207*	.88
Radiola, 17, 18, 33, 41, 41DC.	B3035	.59
R15, RE17, R42, R48	B3125*	1.47
R32, RE45, 52, 145	B3170*	1.47
R35, R39, RE57, RE73, R14, 42	B3171*	1.47
80, 82, 86	B3029	.59
46DC, R43, M30, 142-B, 241-B (Batt.)	B3043	.59
21, 22	B3172*	.88
44, 46	B3028	.59
60, 66	B3025	.59
R17M, R18W, R27	B3085	.88
RE20, R72, R71, R74, R76, R77	B3044	.59
R8, R10, R11, R12, R21, R26, RE18, RE19	B3219*	.88
RC78A, RAE84	B3220*	$0.88
R37, R38P, 120, 124, 223, 330, 331	B3201*	.88
R52	B3170*	1.47
RC70	B3024	.59
RC4, R6, RE16A	B3030	.59
R22, 112-220AC-DC, 114	B3065	.88
RE40-P, R28-P, 110, 111, 115, 210, 310	B3063	.88
RE 80	B3034	.59
100, 101	B3064	.88
300	B3078	.88
M143, M242, M243, M226	B3202*	.88
118, 211	B3203*	1.18
Sears-Roebuck		
1390, 1400, 1402, 1404, 1406, 1580, 1582, 1584, 1590, 1592.	B3072	.88
1704, 7070-1-2-3-4, 1706, 7075-6-7-8, 7091-2-3-4	B3087	.88
1708-9, 1750	B3052	.59
Simplex		
H-AC, J	B3063	.88
K, R above serial 320001	B3069	.88
P	B3087	.88
P Batt.	B3032	.59
U. V. (AC-DC)	B3082	.88
Sparton		
61, 62, 71, 71B, 72, 78	B3086	.88
39	B3054	.59
89A, 111A, 564, 570, 574, 600, 610, 620, 737, 740, 870.	B3217*	.88
69, 79A, 101, 109, 110AC, 301, 589, 591, 593, 930, 931.	B3218*	.88
31, 55	B3056	.59
235, 235 DC	B3041	.59
410, 420, 430 (Dual)	B3174*	1.76
5 and 9	B3069	.88
Stewart-Warner Corp.		
900 Series	B3176*	.88
R100 Series, 950, 935	B3177*	.88
811	B3046	.59
970AC, 980	B3129*	1.47
305, 315, 320	B3025	.59
363	B3031	.59
R-104-A, B, E, 106, 108, 108X, 111AC and DC, 109 Series, R111, R115, R116, R119	B3087	.88
110, A and E, 112 Auto	B3088	.88
R120	B3052	.59
101, 102-A-B-E	B3032	.59
105 Series	B3044	.59
Temple		
Batt. Set	B3052	.59
8-60, 8-80, 8-90	B3031	.59
8-61, 8-81, 5-55, 8-91	B3185*	1.47
AC80	B3034	.59
150, 110, 119	B3065	.88
170	B3061	.88
Transformer Corp. (Clarion)		
51, 53, 55, 60, Jr.	B3074	.88
70, 61, 83	B3037	.59
40, 100, G102	B3112*	1.18
90 Series, 94, 25-94	B3060	.88
G 120	B3034	.59
G1349, 160, 25-160	B3061	.88
241, 240, 25-240, 360, 260, 25-260, AC-280, 25-280, 480	B3052	.59
84, 85	B3034	.59
AC420, 450	B3087	.88
320	B3033	.59
422, 423, 425, 440	B3073	.88
U. S. Radio & Television (Apex)		
Battery Models	B3054	.59
Gloritone 31 Series	B3069	.88
Panatrope 70, Radiotrope, Case 8-80, Heritage	B3035	.59
36, 37	B3031	.59
Midget 27 Series	B3072	.88
28 Series, 41, 42, 43, 44, 46, 47, 48	B3025	.59
49, Midget 32	B3036	.59
26B, 26P, 20	B3033	.59
8, 10 Series	B3055	.59
1010	B3087	.88
Wells-Gardner (Gulbransen)		
WG24, 291, CG, 9-in-line, Club Late	B3147*	1.47
82 Arcadia	B3148*	1.47
8 tube SG, 50, 70	B3037	.59
40A, 23 Series, 062 Auto	B3052	.59
WG5, 5 tube AC, 05A, 05AA, 05BA	B3071	.88
06Z, 06W, Y6Z	B3087	.88
17A, Tone Control	B3248*	.88
06A, 5E Series	B3249*	1.18
02A, 07A	B3090	$0.88
092 (1933)	B3052	.59
05A, 5U	B3068	.88
10, 13 Series	B3032	.59
Zenith Radio Corp.		
1928 All Models, 60, 61, 62, 64, 67, 602, 613, 642, 672	B3082	.88
563	B3078	.88
70 Series, 50, 60, 70, 71, 72, 73, 77, 712, 722, 732, 772	B3191*	1.76
"Zenette" AH, CH, RH, 3A, LP	B3069	.88
102, 112, 212, 11, 12, 52, 53, 54, 57, 522, 532, 542	B3192*	1.18
2009	B3070	.88
70X, 80	B3043	.59
230, 240, 245, 474	B3087	.88
2021, 2022, 2024, 2047, 2018, 250	B3069	.88
2014	B3086	.88
2017	B3193*	1.76
11-12	B3192*	1.18

* Special Control Duplicating Original.

CRL EXACT DUPLICATE REPLACEMENTS

EXACT DUPLICATE Replacement Volume Controls for a number of the most popular standard radio receiver models. Each control listed is designed to fit and perform exactly like the original used in the set. Splendid replacements which will give accurate and dependable service.

RCA-VICTOR

Cat. No.	Mfg. No.	Set Model	NET
B3125	62940	RC3, R15, RE17, R42, R48	$1.47
B3170	10450	R32, RE45, RE52, RE75, RE145	1.47
B3171	62895	35, 39, 42, 57, 73, RC2A, R14	1.47
B3172	6049	21, 22	.88
B3219	3092	R8, R10, R11, R12, R21, R26, RE18, RE19	.88

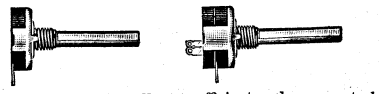
PHILCO

B3163	4093	96, 296, 30, 111, 211, 112, 212, 96A, 296A, 111A, 112A, 212A	.88
B3162	5039	70, 90 (2—45's), 470, 70A	1.47
B3161	3076	86, 87, 511	.88
B3166	3790	95	.88
B3165	6499	71, 47DC	.88
B3162	4094	20, 21, 41DC, 77, 77A, 42DC	1.47
B3225	33-5067	FT-6 Ford Car Radio	1.18
B3167	33-5022	16	1.18
B3222	33-5006	60, 261	1.18
B3169	5317	35, 36 (Batt.)	1.47
B3196	33-5302	81	.88
B3197	33-5007	89 Late	.88
B3199	5724	90 (1—47), 490	.88

MAJESTIC

B3131	105	70, 70B, 71, 72	.88
B3136	3638	30, 31, 131-2-3, 230A	1.76
B3140	8394	15 Series, 150	1.18
B3139	5316	25 Series	1.18
B3142	4098	60 Series, 160	.88
B3135	559	90, 90B, 91, 92, 93	.88
B3140	4682	55, 56, 57, 58	1.18

CRL MIDGET RADIOHMS

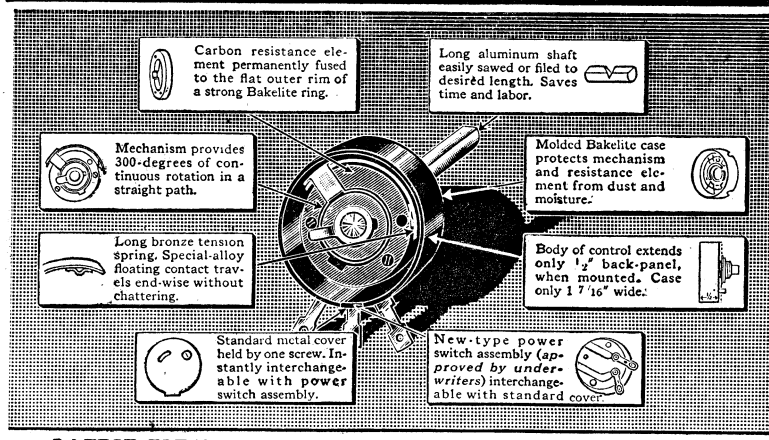


A new line of small yet efficient volume controls. Bakelite body measures 1⅛". Depth, less switch, 25/64", with switch 23/32". 3⅜" shaft is made of soft aluminum which can be easily cut to proper size. Developed especially to satisfy the demand for a control which is fully as efficient as the standard sizes but small enough for use in midget sets, auto sets, test instruments, etc., etc. Complete with knob insert.

Less Switch No.	CRL No.	Max. Res. Ohms	Curve No.	With Switch No.	CRL No.
B3286	N106	5,000	1	B3298	P106
B3288	N100	10,000	3	B3293	P100
B3287	N110	15,000	3	B3299	P110
B3289	N101	25,000	3	B3294	P101
B3290	N102	250,000	6	B3295	P102
B3291	N103	500,000	6	B3296	P103
B3292	N104	1 Meg.	6	B3297	P104

LESS SWITCH NET EACH.....**59c** | WITH SWITCH NET EACH.....**88c**

NEW ELECTRAD STANDARD VOLUME CONTROLS



LATEST ELECTRAD LINE OF STANDARD VOLUME CONTROLS

Smooth, quiet, and long-lived. Unaffected by moisture. Contact shoe is self-wiping type increasing smoothness and quietness with use. Housed in molded bakelite case, ½" thick, 1 7/16" dia., with metal end cover and long ¼" dia. aluminum shaft. New type convertible power switches (described below) may be easily added. All controls marked "W" are wire-wound.

CAT. NO.	MFG. NO.	TAPER CURVE	TOTAL RES.	CAT. No.	MFG. No.	TAPER CURVE	TOTAL RES.
B4200	204W	D	10	B4240	995W	D	10000
B4201	269W	D	20	B4241	996	F	10000
B4202	270W	D	30	B4217	240	C	10000
B4203	271W	D	50	B4218	573	A	12000
B4204	272W	D	100	B4235	875	H	12500
B4205	273W	D	200	B4219	201	C	15000
B4206	274W	D	400	B4248	899	C	20000
B4236	991W	D	500	B4220	279	D	25000
B4207	282W	D	600	B4221	280	E	25000
B4208	275W	D	800	B4222	241	F	30000
B4209	276W	D	1000	B4242	997	A	40000
B4237	992W	D	1500	B4223	205	D	50000
B4210	232W	D	2000	B4224	202	A	75000
B4211	233W	D	3000	B4225	242	E	100000
B4212	277W	D	4000	B4226	281	D	200000
B4213	234W	D	5000	B4243	998	A	250000
B4214	278	E	5000	B4227	208	E	250000
B4238	993W	D	6000	B4228	203	E	500000
B4239	994W	D	7500	B4229	206	E	1 Meg.
B4215	560	E	7500	B4246	999	E	2 Meg.
B4216	283	D	10000				

List, Each Standard Volume Control, $1.00.
YOUR NET PRICE, EACH **59c**

FADER CONTROLS (With Control Tap)				CONTROLS WITH TONE TAP			
B4160	890	E	30,000	B4244	894	E	500,000
B4161	891	E	250,000	B4245	895	E	1 Meg.
B4162	892	E	500,000	B4247	898	E	2 Meg.

List, Each, $1.50.
NET, EACH **88c**

DUAL CONTROLS FOR PUSH-PULL GRIDS FOR AUDIO AMPLIFIER USE

B4165	893T	E	{500,000 {500,000	B4166	896T	E	{250,000 {250,000

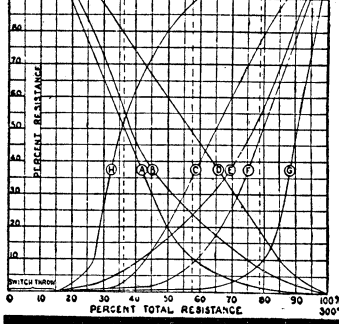
List, Each, $2.50.
NET, EACH **$1.47**

POWER SWITCHES FOR ELECTRAD CONTROLS

B4231. S.P.S.T. Type. Standard "On-Off" Switch with 2 terminals. List, 50c. NET..... **29c**

B4233. S.P.D.T. Type. Phono-Radio Switch. Has 3 terminals. List, 60c. NET..... **35c**

B4234. D.P.S.T. Type. Breaks 2 circuits. Used in battery radios. List, 60c. NET..... **35c**



ELECTRAD TAPER CHART

Use this chart for determining which Electrad standard replacement control is correct for the circuit. **A=Cathode bias control. B=Cathode series control. C=Antenna Shunt or Antenna and bias control. D=Voltage divider. E=Antenna and "C" bias, Audio Shunt and Tone Control. G=Audio Shunt. H=Antenna Cathode heavy current control. Refer to this chart when ordering Electrad standard controls.**

ELECTRAD VOLUME CONTROL GUIDE



Larger and more complete than any previous edition. Over 140 pages of valuable information and data with a complete list of manufacturers' and set models. Provides handy reference chart for replacing almost any volume control. Yours FREE for one ELECTRAD carton top. Send carton top direct to the P. R. Mallory Co., Indianapolis, Ind.

REPLACEMENT VOLUME CONTROLS

Manufacturer and Model	Cat. No.	YOUR PRICE
Allied Radio (See Knight)		
American Bosch Magneto		
Model 5	B4217	$0.59
46DC, 27 Ambrola, 16 Ambrola, 35 Cruisers, 57, 87, 66, 76	B4200	.59
10 Essex, 96, DC-96, 146, 166, 176, 46AC, 126, 107, 116	B4228	.59
44	B4211	.59
28, 29	B4250*	.88
5A, 200, 201, 205, 206, 210, 211	B4251*	1.18
58, 62AC, 62DC	B4252*	.88
40, 41AC, 251, 350, 355, 360, 370	B4253*	1.18
4 Essex, 7, 7C, 7A, 20, 20J. 20K, 20L, 31, 32, 37, 36	B4254*	1.18
80, 84	B4255*	.88
60, 61, 63	B4256*	.88
100 (Auto Radio)	B4257*	.88
48AC, 49, 54DC	B4258*	1.47
58 (Tone Control)	B4228	.59
250, 312 (Tone Control)	B4225	.59
F. A. D'Andrea (Fada)		
41, 42, 44, 46, 47	B4229	.59
73, 74, 76, 79, 83, 85, 88, 89, KY, RA, RC, RE	B4229†	.59
45, 45KU, 51, 53, 57, KX61	B4216	.59
SF-50/80, 22	B4200	.59
7AC, 45/72, 10, 11, 31, 10Z, 71, 72, 475UA, 475CA	B4259*	.88
RP62CA, RP62UA, RP65CA, RP65UA, 262CA, 262UA, 265CA, 265UA	B4260*	.88
16, 17, 32, 16Z, 32Z, 18DC	B4266*	.88
20, 20Z, 25, 25Z, 15M, 15MZ, 75, 77	B4262*	.88
475-A	B4263*	.88
48, 49, 86KB	B4228	.59
48KW, 49KW, Flashograf	B4215	.59
KO, KC, RG, 55, 58	B4218†	.59
43, 762, KG, KF	B4264*	1.47
RC Chassis Used in 78, 79 Receivers	B4265*	1.47
Atwater Kent		
70, 74, 76, Series D, F, L-1, L-2, P	B4267*	1.47
55, 55C, 55F, 55FC, 56, 57, 60, 60C, 61, 61C, 66 (Strip)	B4278*	.29
55, 55C, 55F, 55FC, 56, 57 (Late Models)	B4269*	1.47
H Series, 70, 72, 74, 75, 76	B4270*	1.47
82, 82F 85, 85F	B4271*	1.18
80, 80F, 83, 83F, 90, 90F	B4272*	1.18
84 (Late)	B4273*	1.18
86 All Types	B4274*	1.18
82DC	B4275*	1.18
82Q	B4276*	.88
37, 38, 40, 40F, 41, 42, 42F, 43, 44, 46, 47, 51, 53, 52 (Strip)	B4277*	.29
424, 534, 816	B4228	.59
Early 84, 84F, 84D, 84Q	B4356*	1.18
Brunswick Balke Collender Co.		
14, 21, 31	B4357*	1.18
PR 17-8, B17	B4282*	.88
R-1, 2KR, 2KRO, 3KR3, 3KRO, 3KR6, 3KRS, 5KR, 5KRO, 5KR6	B4283*	.88
3NC8, 3NW8, 5NO, 5NC8	B4284*	.88
17, 24, 25, 4PA, 4A, D11, D12, D16, D18, D33	B4228	.59
S14, S21, S31, S81, S82	B4285*	1.18
DC-14, DC-21, DC-31	B4213†	.59
Below Serial No. 25000:11, 12, 16, 33	B4286*	.88
81, 821	B4224	.59
Panatrope (Phono Control)	B4287*	.88
PR-6	B4200	.59
32	B4210†	.59
Columbia Radio (See Knight) Crosley Radio Corp.		
XJ, 3RS, 4-29, 6-60, 6-85, RFL90, 401A, 20 Bat., 21 Bat., 22 Bat., 5-38, 6-75	B4200	.59
400, 410, 420	B4209	.59
608, 609 (1 11/16 inch Shaft)	B4292*	.88
804 Jewel Box (Long Shaft)	B4293*	.88
Buddy Chum	B4206	.59
30S, 31S, 33S, 34S, 27, 30, Late Models—40S, 41S, 42S, 45S	B4294*	.88
AC-7, AC-7C	B4207	.59
71A, Early Models—40S, 41S, 42S, 45S	B4295*	.88
92, 121, 121-1, Series B, 127, 91, Auto Roamio, 56, 75	B4228	.59
53, 54, 57, 58, 55D.C., 56D.C.	B4297*	.88
Early 704	B4298*	.88

* Exact Duplicate Control.
† Requires "On-Off" Switch, B4231.

NEW ELECTRAD REPLACEMENT VOLUME CONTROLS

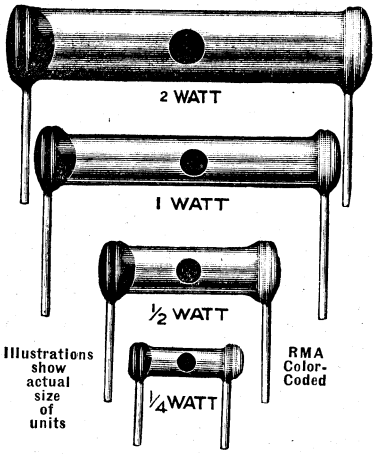
LATEST REPLACEMENT VOLUME CONTROLS

Manufacturer and Model	Cat. No.	YOUR PRICE
Crosley Radio Corp.— (Cont'd)		
124, 125	B4296*	$1.18
Early Models—41A, 42, 61, Female Shaft—608, 610 Gem Box, 602 Band Box, 704 Jewel Box, 705 Show Box, 706 Show Box.	B4299*	.88
Early 706 (Long Shaft)	B4300*	.88
26, 52	B4301*	.88
59A.C.	B4302*	.88
41, 41A, 42, 705DC, 706 Show Box (Long Shaft)	B4303*	.88
Short Shaft—602, 704, 704A, 704B	B4304*	.88
Super Buddy 122, Johnny Smoker, 131	B4210	.59
General Motors Radio Corp.		
Six Junior, 6-61, 6B, 5050, 5053, 35	B4200	.59
Day Fan Nos. 8AC, 5003, 5091, 5077, 5080, 72	B4219	.59
Chassis S1A, S1B, 216, 217, 219, 250	B4315*	1.18
Chassis S2A, S2B, Models 251, 252, 253, 254, 255, 256, 257, 258	B4316*	1.18
Chassis S2A, S2B, S3A, S3B, Model 251 (Tone Control)	B4317*	.88
Chassis S4A, S4B	B4318*	1.18
Chassis S4A, S4B, Models 252, 253, 254, 255, 256, 257, 258 (Late Model Tone Controls)	B4319*	.88
Chassis S9A, S9B, Model 211	B4320*	1.18
Chassis MA, MB, Models 180, 190 Tone Controls	B4321*	.88
Chassis S10A, S10B, Model 220.	B4322*	1.18
120 Chassis A, 120 Chassis B, 130 Chassis A, 130 Chassis B, 140 Chassis A, 140 Chassis B, 1001 Early	B4323*	1.47
110-6-MG, 5053, 5065, 5066, 5057, 5052	B4213	.59
A-5005, A5020	B4223	.59
Grigsby-Grunow Co. (Majestic)		
35 Tone	B4217	.59
70, 70B, 71, 72	B4358*	.88
90, 90B, 91, 92	B4359*	.88
93	B4224	.59
233, 230A	B4326*	1.47
20, 21, 22, 23	B4327*	1.18
15, 15 Chassis, 15B, 150, 151, 153, 154, 155, 156	B4329*	1.18
35 Chassis	B4214†	.59
Majestic 25B	B4398*	1.18
100B, 102, 103	B4328*	1.47
60, 61, 62, 160, 163	B4330*	.88
130, 130A, 131, 132	B4331*	.88
Majestic 25 Chassis Models Brentwood, Cheltenwood and Brucewood	B4333*	1.18
Majestic 90, 90B, 91, 92, 180, 181, 321, 100, 100B (Equalizer)	B4334*	.88
Majestic 30 Chassis, 31	B4335*	1.76
180 181	B4336*	1.47
Majestic 50 Chassis, 51, 52	B4337*	1.47
200, 201, 203, 204	B4338*	.88
210	B4339*	.88
200 (Tone Control)	B4340*	1.18
210 Chassis (Tone Control)	B4341*	1.18
15 (Tone Control)	B4342*	.88
180, 181 (Phono Control)	B4222	.59
25B (Tone Control)	B4397*	.88
150 Chassis (Tone Control)	B4223	.59
120, 120B	B4343*	1.47
80	B4219	.59
67, 68, 69, 196, 460, 461, 463, 666, 776, 886, Master Six	B4344*	.88
44, 49, 194 (Chassis Model 440)	B4345*	1.18
55, 59, 75, 85, 86, 195, 560, 566 (Chassis Model 500), 998 (Chassis 800)	B4346*	1.18
491, 493 (Chassis Model 490)	B4347*	.88
66	B4348*	1.18
370, 371, 373, 400, 411A, 413A	B4349*	1.18
Knight (Allied Radio Corp.)		
6/7, 8/9, 9 Tube Super	B4211	.59
SG8	B4350*	1.18
AC5, SG10	B4224	.59
7 Tube Super (108)	B4215	.59
9 Tube Super (114)	B4228	.59
7 Tube Super (108), 9 Tube Super (114) (Tone Control)	B4223	.59
P	B4351*	.88
P (Batt.), P (32 V.)	B4352*	1.18
R	B4353*	1.18
U, V	B4354*	1.18
T, W	B4355*	1.18
Montgomery Ward & Co.		
2822 Balboa, 2827, 2895 DeSoto, 2897	B4206	$0.59
1111, 811, 1111X, 811X, WG24, First Type 62-020, First Type 62-29	B4218	.59
3035, 3037, 3063, 3067, 1522, 1562, 20W, 62-520, Model 49, 26P, 26PX	B4217	.59
1355, 1955, Recital	B4229	.59
62, 1040	B4207	.59
181, 187	B4214	.59
27W Chassis (Tone Control)	B4223	.59
Fantasy & Solo (Tone)	B4229	.59
Commander & Cavalier (Tone Control), 62-21, 62-22, Second Type 62-29, 62-30, 1932 Auto.	B4228	.59
Commodore & Sovereign	B4211	.59
Grenadier & Recital (Tone Control)	B4226	.59
Grenadier	B4213	.59
Philco Radio		
40D.C.	B4207	.59
82, 5, 86, 87, 511, 521, 531, 541, 551, 551A, 561, 571, 581	B4363*	.88
15	B4228	.59
71 Series	B4399*	.88
70 Early, 70A Early, 90 (2—45's), 270, 270A, 90A, Lazy Boy 370, 370A, 470, 470A, 570, 570A	B4364*	1.47
Model 95, 92	B4365*	.88
Models 112, 112A, 112E, 212, 212A, 212E, 30 Batt., 96, 96A, 111, 111A, 296, 296A	B4366*	.88
Models 20, 20A, 220, 21, 41DC, 42DC, 77, 77A, 220A	B4367*	1.47
Models 50, 50A	B4368*	1.47
Models 51, 51A, 48DC, 52	B4412*	.88
62	B4211	.59
53	B4369*	1.18
60, 261	B4370*	1.18
57	B4371*	1.18
19 (Code 128)	B4372*	.88
89	B4373*	1.18
1, 2, 3 Auto	B4374*	.88
28, 29, 45	B4375*	1.18
R. C. A. Victor Co.		
Radiola 16, 20	B4376*	.88
Radiola 17, 50, 41D.C., 7-25, 7-54	B4282*	.88
Radiola 18, 33, 51D.C., 7-11, 7-26X, 33D.C.	B4283*	.88
Radiola 44, 46, 47	B4377*	.88
Radiola 60, 62	B4284*	.88
Radiola 64, 67	B4378*	.88
Radiola 64 (Sensitivity Control), 9-18, 9-54, 9-56	B4379*	.88
Radiola 66	B4380*	.88
Radiola 80, 82, 86, 35, 39, Clock Model RAE68, R51	B4310*	.88
Radiola R-5, R5X	B4312*	.88
Radiola Superette, R7A, R4, R6, R7DC, R9, R9DC, R10DC	B4381*	.88
7-23	B4217	.59
Radiola R-11, Superette Model B, R8, R12, R10, RE18, R21, RAE26, RE18A, RE19, RO23.	B4313*	.88
S.G. Battery Set	B4223	.59
Radiola 46DC	B4382*	.88
Radiola RAE-59, RAE-79, R50, R55, RE-28, RE20	B4311*	.88
67 (Phono. Control), 80 (Phono. Control)	B4383*	.88
80, Remote Control Models 82, 86	B4384*	.88
57, Remote Control Models R-35, 39	B4385*	1.47
Radiola 42, Radiola 48, R14, R15	B4386*	1.76
Model 33A	B4204	.59
R-32, RE45, RE52, RE75, RE154, RE156	B4387*	1.47
R34, RE-35, RE-39, RE-57, RE-73	B4390*	1.47
RE-59 (Phono. Control)	B4391*	1.18
75	B4392*	.88
RAE84	B4393*	.88
RC-98	B4394	1.18
RC-104	B4396*	1.18
Sears, Roebuck & Co.		
K, 501, 502	B4219	.59
Mentor, Model H	B4400*	1.76
1650, 1652, 1654, 1822, 1824, 1830, 1831	B4229	.59
1370, 2400	B4218	.59
1721, 1722, 1732	B4401*	1.47
1705	B4402*	1.76
Sears, Roebuck & Co.— (Cont'd)		
1708, 1709, 1720, 1725, 7065	B4403*	$1.47
7091, 7092, 7093, 7094	B4404*	1.18
1708, 1709, 1712, 1713, 1714, 1722, 1732 (Tone Control), 1750	B4405*	.88
1704, 1706, 1707, 7070, 7071, 7072	B4406*	1.18
1703, 7064	B4407*	1.18
1710	B4408*	.88
1705 Tone, 1714	B4409*	.88
1711, 7090	B4410*	.88
1725, 1750 (Tone Control)	B4411*	1.18
Simplex		
P	B4351*	.88
P Batt., P-32 Volt	B4352*	1.18
R	B4353*	1.18
U, V	B4354*	1.18
W, T	B4355*	1.18
T-Auto	B4413*	1.18
Sparton Radio		
49, 5-26, 5-15, 6-26, 6-15	B4200	.59
5, 9	B4415*	1.18
10	B4416*	1.18
15	B4417*	1.18
25, 26	B4418*	1.18
110AC, 301, 101, 109, 930, 931, 79A, 69, 591, 593, 89	B4419*	.88
570, 740, 750, 564, 600, 610, 620, 737, 574, 870, 111A, 89A, 589, 103	B4420*	.88
410, 420, 600A, 620A, 610A, 430, 750D	B4421*	1.76
235, 235DC, 62, 63	B4224	.59
34, 40	B4422*	.88
Stewart-Warner Corp.		
Models 950DC, 980, Battery-950, 970, R100C	B4424*	1.47
900, 811, 806	B4224	.59
500, 520, 525	B4414*	1.18
950AC, R100A, R100B, R100E	B4425*	.88
801B	B4219	.59
530, 535	B4213	.59
R-104A, B, E	B4426*	.88
R-106A	B4427*	1.18
R-110E, R110, Series 109	B4428*	1.18
R115, R116, R119	B4429*	1.18
Model 102A, B, E	B4444*	.88
Stromberg-Carlson		
1A, 1B, 501, 502, 633, 634	B4200	.59
635, 636 (Short Shaft)	B4431*	.88
635, 636, 638A (Double Shaft)	B4432*	.88
846, 848 (Double Shaft)	B4433*	.88
(Long Shaft)	B4434*	.88
641, 642, 652, 654 (Long Shaft	B4434*	.88
(Double Shaft)	B4435*	.88
United Air Cleaner (Sentinel)		
106, 10, 666C, 666, 104, 444, 29, 30	B4219	.59
Series 20, Sentinel 114, 118 Series	B4228	.59
110, 109, 111	B4216	.59
108	B4217	.59
440	B4219	.59
106, 11, 12, 15, 16	B4217	.59
U. S. Radio & Television Corp.		
36, 37, 50, 60, 90	B4219	.59
Apex 31, DC Model 33, Model 30 Auto, Apex 49, Gloriette 20, 99 Series	B4217	.59
Gloritone Early 27	B4209	.59
Gloritone 28, Apex 41, 43, 46, 47, 42, 44, 48, 48A	B4206	.59
No. 8 Series Super Heterodyne, No. 10 Series Superhet	B4229	.59
7 Series, Pentode	B4228	.59
Gloritone 26P	B4360*	.88
Gloritone late 27	B4450*	1.18
28, 31 (Tone Control)	B4228	.59
Zenith Radio Corp.		
Early 91, Early 92	B4457*	1.18
14, 15, 16, 17, 39, 33, 34, 35, 35A, 342, 352, 352A, 362, 41, 42, 422, 35PX, 35APX	B4454*	1.76
50, 212, 522, 532, 542, 602, 613, 622, 642, 672, 52, 53, 54, 61, 62, 64, 67	B4458*	1.18
70, 71, 72, 73, 77, 712, 722, 732, 772	B4456*	1.76
80 Hypermetron, BH Zenette, LH Zenette, 6 Tube Zenette	B4223	.59
WH 7 Zenette	B4218†	.59
5 Tube Zenette	B4217	.59
270-5, 210-5, 211-5	B4218†	.59
Late 91 (Serial above 373, 334), Late 92 (Serial above 301, 394)	B4453*	1.18

* Exact Duplicate Control.

† Requires "On-Off" Switch, B4231.

KNIGHT Carbon Resistors



Illustrations show actual size of units

RMA Color-Coded

HIGHEST STANDARD OF QUALITY

ASSURED ACCURACY

- SOLID MOLDED; PERMANENTLY BONDED.
- TOLERANCE AVERAGE CLOSE TO 5%.
- ABSOLUTELY QUIET IN OPERATION.
- COMPLETELY MOISTURE-PROOF.
- NON-INDUCTIVE—NO CAPACITY EFFECT.
- MAINTAIN RESISTANCE VALUES OVER WIDE TEMPERATURE RANGE.
- OXYGEN-WELDED TINNED LEADS.
- NO FINER CARBON RESISTORS MADE.

The finest carbon resistors you can buy at any price. Use these highest quality units with confidence, in any R.F. or Audio circuit. No other resistor is so universally used. Knight Carbon Resistors are of solid molded construction, permanently bonded, with solid cross-section. Impervious to moisture, quiet in operation, non-inductive; have low temperature coefficient; are mechanically strong. They will carry 100% overload without being permanently affected. Each resistor is RMA Color Coded. The tolerance of each and every Knight Carbon Resistor is held within 10% (average close to 5%) by unerring automatic testing machines. Save and profit by using Knight highest standard Carbon Resistors — the resistor units with the outstanding features.

Resist. Ohms	1/4 WATT No.	1/2 WATT No.	1 WATT No.	2 WATT No.
100	B4850	B4950	B5050	B5150
150	B4851	B4951	B5051	B5151
200	B4852	B4952	B5052	B5152
250	B4853	B4953	B5053	B5153
300	B4854	B4954	B5054	B5154
350	B4855	B4955	B5055	B5155
400	B4856	B4956	B5056	B5156
450	B4857	B4957	B5057	B5157
500	B4858	B4958	B5058	B5158
600	B4859	B4959	B5059	B5159
700	B4860	B4960	B5060	B5160
800	B4861	B4961	B5061	B5161
900	B4862	B4962	B5062	B5162
1000	B4863	B4963	B5063	B5163
1250	B4864	B4964	B5064	B5164
1500	B4865	B4965	B5065	B5165
1750	B4866	B4966	B5066	B5166
2000	B4867	B4967	B5067	B5167
2250	B4868	B4968	B5068	B5168
2500	B4869	B4969	B5069	B5169
3000	B4870	B4970	B5070	B5170
3500	B4871	B4971	B5071	B5171
4000	B4872	B4972	B5072	B5172
4500	B4873	B4973	B5073	B5173
5000	B4874	B4974	B5074	B5174
6000	B4875	B4975	B5075	B5175
7000	B4876	B4976	B5076	B5176
8000	B4877	B4977	B5077	B5177
9000	B4878	B4978	B5078	B5178
10000	B4879	B4979	B5079	B5179
12500	B4880	B4980	B5080	B5180
15000	B4881	B4981	B5081	B5181
17500	B4882	B4982	B5082	B5182
20000	B4883	B4983	B5083	B5183
22500	B4884	B4984	B5084	B5184
25000	B4885	B4985	B5085	B5185
30000	B4886	B4986	B5086	B5186
40000	B4887	B4987	B5087	B5187
50000	B4888	B4988	B5088	B5188
60000	B4889	B4989	B5089	B5189
75000	B4890	B4990	B5090	B5190
100000	B4891	B4991	B5091	B5191
150000	B4892	B4992	B5092	B5192
200000	B4893	B4993	B5093	B5193
250000	B4894	B4994	B5094	B5194
300000	B4895	B4995	B5095	B5195
400000	B4896	B4996	B5096	B5196
500000	B4897	B4997	B5097	B5197
600000	B4898	B4998	B5098	B5198
750000	B4899	B4999	B5099	B5199
900000	B4900	B5000	B5100	B5200
1 meg.	B4901	B5001	B5101	B5201
1.5 meg.	B4902	B5002	B5102	B5202
2 meg.	B4903	B5003	B5103	B5203
2.5 meg.	B4904	B5004	B5104	B5204
3 meg.	B4905	B5005	B5105	B5205
3.5 meg.	B4906	B5006	B5106	B5206
4 meg.	B4907	B5007	B5107	B5207
5 meg.	B4908	B5008	B5108	B5208
6 meg.	B4909	B5009	B5109	B5209
7 meg.	B4910	B5010	B5110	B5210
8 meg.	B4911	B5011	B5111	B5211
9 meg.	B4912	B5012	B5112	B5212
10 meg.	B4913	B5013	B5113	B5213

1/4 WATT Net Each ..... **4c** Per Doz..... 42c Per 100..... $3.50

1/2 WATT Net Each..... **5c** Per Doz..... 49c Per 100..... $4.00

1 WATT Net Each..... **6c** Per Doz..... 60c Per 100..... $4.85

2 WATT Net Each..... **10c** Per Doz..... 99c Per 50..... $4.00

HANDY KNIGHT RESISTOR KITS



These resistor kits are a handy asset in the shop or on service calls. Each kit is a carefully selected assortment of the most popular values of Knight quality Carbon Resistors. All units are RMA color-coded, and neatly mounted on a convenient sturdy strip. Each strip has a hole in one end for hanging on a nail or hook over your service bench.

12 POPULAR VALUES IN EACH STRIP

12 certified high quality Knight resistors of the types most frequently used in service work are included in the Knight handy Resistor Kit assortments listed below. Replace resistors as you use them by ordering additional supply of units from our regular Knight stock listed at left. This assures you of a complete range of values at all times. Free RMA color-code chart is included with each kit.

½ WATT KITS

B5125. Consists of one each of the following:

OHMS	OHMS	OHMS	OHMS
200	700	3000	10000
400	1000	4000	12500
500	2000	6000	15000

B5126. Consists of one each of the following:

20000	40000	75000	500000
25000	50000	100000	1 meg.
30000	60000	250000	2 meg.

YOUR PRICE, EITHER ½ WATT KIT..... **49c**

1 WATT KITS

B5127. Consists of one each of the following:

200	700	3000	10000
400	1000	4000	12500
500	2000	6000	15000

B5128. Consists of one each of the following:

20000	40000	75000	500000
25000	50000	100000	1 meg.
30000	60000	250000	2 meg.

YOUR PRICE, EITHER 1 WATT KIT..... **60c**

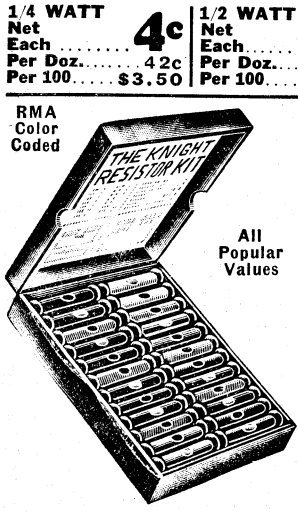


HANDY RMA COLOR CODE GUIDE

A handy pocket-size celluloid guide with rotary discs which show body, end and dot colors of resistors according to standard RMA color code. Gives resistance value quickly and easily; eliminates figuring.

B5130. YOUR PRICE..... **9c**

FREE with order for resistor kit or 24 assorted resistors.



Order an assortment of these high-grade money-saving kits. You can't beat them for convenience, for quality and for savings.

KNIGHT CARBON RESISTOR KITS—BUY THEM!

EACH KIT CONTAINS 24 POPULAR VALUES—SAVES YOU MONEY

- HIGHEST QUALITY CARBON RESISTORS
- MOST POPULAR VALUES IN EACH KIT
- SAVES YOUR TIME AND YOUR MONEY
- CONVENIENT—FOR TOOL KIT OR BENCH

Highest quality Knight Carbon Resistors that assure long, dependable service. Packed in handy kits of 24 units. Each kit has an assortment of the most commonly used and needed values. Combining 2 or more units will provide any value not listed. All resistors are RMA color-coded. A handy Color Code Guide is supplied free with each kit.

Carry a set of compact Knight Carbon Resistor Kits in your tool bag; keep another set on your service bench, and you'll always have the resistor you need just when you want it. Keep your kits up-to-date by replacing used units from the complete Knight resistor listing above. Save money with Knight Resistor Kits!

EACH KIT CONSISTS OF THE FOLLOWING VALUES:

OHMS	OHMS	OHMS	OHMS	OHMS	OHMS
200	1,000	6,000	20,000	50,000	250,000
400	2,000	10,000	25,000	60,000	500,000
500	3,000	12,500	30,000	75,000	1 meg.
700	4,000	15,000	40,000	100,000	2 meg.

FREE—HANDY CELLULOID COLOR CODE GUIDE WITH EACH KIT

1 WATT KIT

Consists of one each of the above resistors in 1 watt size.

B5137. YOUR NET PRICE..... **$1.25**

½ WATT KIT

Consists of one each of the above resistors in ½ watt size.

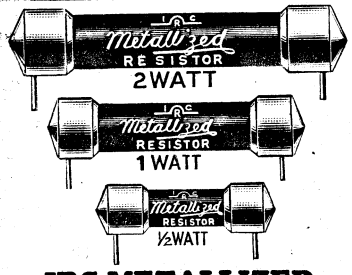
B5136. YOUR NET PRICE..... **$1.03**

¼ WATT KIT

Consists of one each of above resistors in ¼ watt size.

B5135. YOUR NET PRICE..... **88c**

IRC RESISTORS



IRC METALLIZED TYPE "F" RESISTORS

Quiet, metallized type resistors for use in critical circuits. Absolutely dependable famous IRC quality. Standard with leading manufacturers and radio servicemen. Order resistors wanted from list below, specifying resistance and giving stock number shown under each type.

STANDARD RANGES

OHMS	OHMS	OHMS	OHMS
50	2000	12500	200000
100	2250	15000	250000
200	2500	17500	300000
250	3000	20000	400000
300	3500	25000	500000
350	4000	30000	750000
400	5000	40000	1 Meg.
500	6000	50000	1.5 Meg.
600	7000	60000	2 Meg.
750	7500	65000	3 Meg.
800	8000	70000	5 Meg.
1000	9000	75000	6 Meg.
1250	10000	100000	7 Meg.
1500	11000	150000	10 Meg.

½ WATT.

B5700. F-½. 1 1/32" long. Pigtail type, 50 OHMS to 5 MEG.
List, Each, 17c.
NET EACH **10c**

SPECIFY VALUE WHEN ORDERING

1 WATT.

B5701. F-1. 1 13/16" long. Pigtail type. 100 OHMS TO 10 MEG.
List, Each, 20c.
NET EACH **12c**

SPECIFY VALUE WHEN ORDERING

2 WATTS.

B5702. F-2. 1 13/16" long. Pigtail type. 50 OHMS TO 5 MEG.
List, Each, 30c.
NET EACH **18c**

SPECIFY VALUE WHEN ORDERING



IRC METALLIZED RESISTOR KITS

Handy kits containing an assortment of the most popular values of the BT type insulated metallized resistors. Packed in neat, compact container, of durable construction.

STANDARD 1 WATT KIT

B5715. Ten of the most used values of the popular type BT-1 fully insulated IRC resistors, in a handy container which can easily be carried in your pocket. Resistor values not included may be easily obtained by using two or more of the units in this kit.
NET **$1.18**

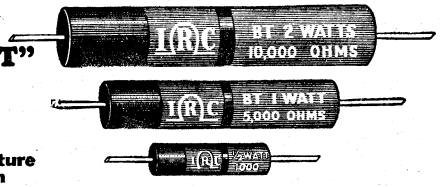
STANDARD ½ WATT KIT

B5716. An especially handy assortment of ten type BT-½ resistors, consisting of the most popular values. Ideal for midget receiver servicing. NET..... **$1.00**

DELUXE 1 WATT KIT

B5717. A larger assortment of the most popular values of the type BT-1 resistors. Consists of 20 resistors of practical, most often used values, packed in a permanent container, with a definite space marking for each unit. Ideal for the service kit. NET..... **$2.35**

NEW IRC INSULATED TYPE "BT" METALLIZED RESISTORS



- **Crack-proof and Trouble-free**
- **Completely Sealed Against Moisture**
- **Sealed in High Voltage Insulation**

An improved new resistor design makes these units outstanding and desirable in every way. The metallized resistor element is sealed in completely by a special high voltage insulating material which absolutely eliminates danger of grounding. The heavy casing of insulating material makes these new units crack-proof and trouble-free. Accurate, durable and safe. The quiet performance of these new type resistors renders them ideal for use in AVC circuits, high gain amplifiers, etc. Each unit is color-coded, and marked with resistance value.

STANDARD STOCK RANGES

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	40	500	3000	11000	35000	150000	1.5 meg.
2	50	600	3500	12000	40000	200000	2 meg.
3	100	750	4000	12500	50000	250000	3 meg.
5	150	800	5000	15000	60000	300000	4 meg.
7.5	200	1000	6000	17500	65000	400000	5 meg.
10	250	1250	7000	20000	70000	500000	6 meg.
15	300	1500	7500	22500	75000	600000	7 meg.
20	350	2000	8000	25000	100000	750000	10 meg.
25	400	2250	9000	30000	125000	1 meg.	20 meg.
30	450	2500	10000				

Type BT-½—½ Watt

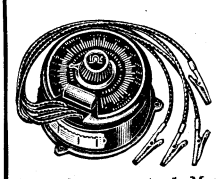
B5705. Available in all ranges from 1 OHM to 20 MEGOHMS. (Values below 250 ohms are insulated wire wound resistors.) 5/8" long, 3/16" dia. Specify values when ordering.
List, Each, 17c.
NET EACH **10c**

Type BT-1—1 Watt

B5706. Available in all ranges from 1 OHM to 20 MEGOHMS. (Values below 500 ohms are insulated wire wound resistors.) Size 1¼x¼". Specify values when ordering.
List, Each, 20c.
NET EACH **12c**

Type BT-2—2 Watt

B5707. Available in all ranges from 1 OHM to 20 MEGOHMS. (Values below 750 ohms are insulated wire wound resistors.) Size 1¾x5/16". Specify values when ordering.
List, Each, 30c.
NET EACH **18c**

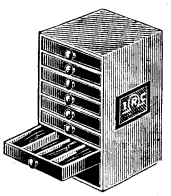


NEW IRC RESISTANCE INDICATOR

A new calibrated continuously variable Resistance Indicator. Fused to protect against overloads. Direct-reading etched scale covers entire range from zero to 1 Megohm. Equipped with four flexible leads permitting it to be used as a voltage divider; may also be used for determining circuit values by substitution; for checking resistor units, potentiometers and volume controls. Will perform a number of functions and speed up replacement of defective resistance units. Housed in a sturdy molded bakelite base; has mounting feet for permanent installation on service bench. Supplied complete with four color-coded leads, alligator clips, and instructions.
B5712.
YOUR NET PRICE..... **$4.85**

FREE—NEW IRC RESISTO-CHEST

With Purchase of 56 Resistors



By ordering 56 of the new Type BT-1 1 watt resistors, any values listed above, you get this handy chest. Just the thing for your service bench. Chest measures 8½" high; 4¾" wide, 5⅛" deep; has 7 small drawers, 1 large drawer. Will hold several hundred resistors.
B5714. RESISTO-CHEST and 56 BT-1 1 watt resistors.
NET **$6.59**

RESISTO-CHEST ONLY

The above handy drawer-chest by itself, no resistors included. A real value at this price.
B5713.
YOUR PRICE **90c**

IRC POWER WIRE-WOUND RESISTORS



- **Heavy Ceramic Core**
- **Accuracy Within 5%**

High quality wire-wound units of sturdy construction. Finest resistance wire is evenly spaced on non-hygroscopic ceramic core. Durable cement coating provides protection against extreme heat and humidity. With tinned wire leads.

Actual tests prove these units superior for mechanical strength, load capacity, lower surface temperature, etc. Conform to N.E.M.A. standards and are accurate to within 5%. Ideal for all Service work. Dependable and safe.

Resist. Ohms	Type AB 10 Watt No.	Type DG 20 Watt No.	Resist. Ohms	Type AB 10 Watt No.	Type DG 20 Watt No.	Resist. Ohms	Type AB 10 Watt No.	Type DG 20 Watt No.
1	B5750	B5925	100	B5761	B5931	3000	B5772	B5942
2	B5751	.....	200	B5762	B5932	4000	B5773	B5943
3	B5752	.....	300	B5763	B5933	5000	B5774	B5944
5	B5753	B5926	400	B5764	B5934	7500	B5775	B5945
7.5	B5754	.....	500	B5765	B5935	10000	B5776	B5946
10	B5755	B5927	750	B5766	B5936	15000	B5777	B5947
15	B5756	.....	1000	B5767	B5937	20000	B5778	B5948
20	B5757	.....	1250	B5768	B5938	25000	B5779	B5949
25	B5758	B5928	1500	B5769	B5939	30000	B5723	B5950
50	B5759	B5929	2000	B5770	B5940	40000	B5724	B5951
75	B5760	B5930	2500	B5771	B5941	50000	B5725	B5952

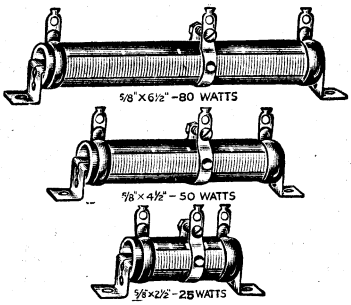
TYPE AB—10 WATTS

Available in all ranges up to 50,000 ohms. Extremely popular among Servicemen and Experimenters for making up voltage divider networks. 1¾" long; 5/16" diam. Heavy tinned leads for easy connection.
List, Each, 40c. NET EACH..... **24c**

TYPE DG—20 WATTS

Available in all ranges up to 50,000 ohms. 2" long; 9/16" diam. For all types of installations.
1-15,000 Ohm Units. NET EACH..... **38c**
20 000 to 50,000 Ohm Units.
NET EACH **44c**

MALLORY ELECTRAD ADJUSTABLE RESISTORS



VARIOHM RESISTORS

Wire wound on sturdy porcelain tube, covered with vitreous enamel. Exposes a narrow track which makes contact with slider. Monel metal lugs assure permanent connection. Wattage rating conforms to N. E. M. A. standards. Mounting brackets are adjustable. One adjustable lug is furnished; additional lugs may be added.

VITREOUS ENAMELED WITH ADJUSTABLE LUGS

All Variohm units are 5/8 inches in diameter. The adjustable lug is carefully designed to assure long life without undue wear on the wire. These units are ideal replacements for tapped voltage dividers. May be used in receiving sets, amateur transmitters, etc. Accurate to within 5% of the specified value. Listing below covers popular values. You can depend on these well-made resistor units.

25 WATTS

5/8" x 2½" TUBE

Cat. No.	Resist. Ohms	Current M.A.
B4705	1	5460
B4706	3	3160
B4712	5	2450
B4713	10	1730
B4714	15	1410
B4715	25	1090
B4716	50	770
B4717	75	630
B4718	100	545
B4719	150	445
B4720	200	385
B4721	250	345
B4722	500	245
B4723	750	200
B4724	800	193
B4725	1000	173
B4726	1500	141
B4727	2000	122
B4828	2500	109
B4729	3000	100
B4730	3500	92
B4731	4000	86
B4732	5000	77

List Price, 85c
YOUR PRICE, EACH..... **50c**

B4733	6000	70
B4734	7500	63
B4736	10000	54
B4737	12000	50
B4738	15000	23

List Price, 95c
YOUR PRICE, EACH..... **56c**

B4739	20000	20
B4740	25000	18

List Price, $1.10
YOUR PRICE, EACH..... **65c**

Variohms are also available in 100 and 200 watt sizes. Write for prices.

50 WATTS

5/8" x 4½" TUBE

Cat. No.	Resist. Ohms	Current M.A.
B4741	5	3300
B4742	10	2340
B4743	25	1480
B4744	50	1000
B4745	75	850
B4746	100	740
B4747	150	600
B4748	200	520
B4749	250	465
B4750	500	330
B4751	750	270
B4752	800	260
B4753	1000	234
B4754	1500	190
B4755	2000	165
B4756	2500	148
B4757	3000	135
B4758	4000	117
B4759	5000	104

List Price, $1.35
YOUR PRICE, EACH..... **79c**

B4761	7500	85
B4762	8000	82
B4764	10000	74
B4765	12000	67
B4766	15000	60
B4767	20000	50
B4768	25000	45

List Price, $1.50
YOUR PRICE, EACH..... **88c**

B4769	30000	43
B4770	40000	37
B4771	50000	34

List Price, $1.70
YOUR PRICE, EACH..... **$1.00**

B4772	60000	15.8
B4710	80000	13.7
B4711	100000	12.2

List Price, $2.00
YOUR PRICE, EACH..... **$1.18**

80 WATTS

5/8" x 6½" TUBE

Cat. No.	Resist. Ohms	Current M.A.
B4773	10	2730
B4774	15	2230
B4775	25	1730
B4776	50	1220
B4777	100	865
B4778	250	545
B4779	300	500
B4780	500	387
B4781	750	316
B4782	1000	270
B4783	1500	223
B4784	2000	190
B4785	2500	173
B4786	3500	146
B4787	5000	122

List Price, $1.75
YOUR PRICE, EACH..... **$1.03**

B4789	7500	100
B4790	10000	86
B4791	15000	70
B4792	20000	61
B4793	25000	55

List Price, $2.00
YOUR PRICE, EACH..... **$1.18**

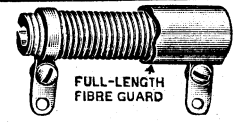
B4794	30000	50
B4795	35000	47
B4796	40000	43
B4797	45000	41
B4798	50000	39

List Price, $2.25
YOUR PRICE, EACH..... **$1.32**

B4799	60000	21
B4800	80000	18
B4801	100000	16

List Price, $2.50
YOUR PRICE, EACH..... **$1.47**

Extra Adjustable Lug
B4803. List, 10c. NET EACH..... **6c**



10 WATT TRUVOLT RESISTORS

Wire-wound replacement resistors with 1000 Volt insulation. Easily adjusted to required resistance by means of convenient sliding clip. Features space-wound construction, heat-conducting copper core, and asbestos insulation for cooler operation. Has protective fibre insulating sleeve. Accuracy is within 5% of specified value. 3/8" dia., 1¾" long; with sliding clip.

Cat. No.	Type	Resist. Ohms	Curr. M.A.	Max. Volts
B4459	A-.005	.5	4500	2.2
B4460	A-.01	1	3150	3
B4461	A-.02	2	2200	4.5
B4462	A-.025	2.5	2000	5
B4463	A-.03	3	1800	5.5
B4464	A-.05	5	1400	7
B4465	A-.075	7.5	1150	8.5
B4466	A-.1	10	1000	10
B4467	A-.15	15	815	12
B4468	A-.2	20	700	14
B4469	A-.25	25	630	16
B4470	A-.3	30	570	17
B4471	A-.5	50	450	22
B4472	A-.75	75	360	27
B4473	A-1	100	315	31
B4474	A-2	200	220	45
B4475	A-3	300	180	55
B4476	A-4	400	158	63
B4477	A-5	500	141	70
B4478	A-8	800	112	89
B4479	A-10	1000	100	100
B4480	A-12.5	1250	89	111
B4481	A-15	1500	81	122
B4482	A-20	2000	70	141
B4483	A-25	2500	63	158
B4484	A-30	3000	56	173
B4485	A-40	4000	50	200
B4486	A-50	5000	45	222
B4487	A-75	7500	36	274
B4488	A-100	10000	31	316
B4489	A-150	15000	26	388
B4490	A-200	20000	20	395
B4491	A-250	25000	16	400

List Price, 50c.
YOUR PRICE, EACH..... **29c**



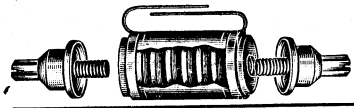
ADJUSTABLE CLIP

Permits easy additional adjustment of Electrad 10 Watt Truvolts to intermediate value by sliding to proper position. Easy to mount.

B4620. List, 10c. NET.... **5c**

We can supply the complete line of Truvolt Adjustable Resistors in 25, 50 and 75 watt sizes. Available in all standard values. Please order with remittance or write for quotations.

ELECTRAD PRECISION RESISTORS



Accurate, dependable resistors, non-inductively wound in layers on isolantite. Extremely low distributed capacity. Thoroughly impregnated against moisture. Ideal for use as multipliers, laboratory resistors, etc. Accuracy plus or minus 1%. With tinned leads. Ferrule terminals listed below may be added.

Cat. No.	Resist. Ohms	Curr. M.A.	List	NET EACH
B4805	1	1225	$0.85	
B4806	5	548	.85	
B4807	10	387	.85	
B4808	25	245	.85	
B4809	50.	173	.85	**50c**
B4810	100	122	.85	
B4811	150	100	.85	
B4812	200	86	.85	
B4813	500	55	.85	
B4814	1000	38	.90	$0.53
B4815	2500	24	.90	.53
B4804	4500	18	1.00	.58
B4816	5000	17	1.00	.58
B4817	7500	14	1.00	.58
B4818	10000	12	1.00	.58
B4819	12500	11	1.10	.64
B4820	15000	10	1.10	.64
B4821	20000	8.6	1.35	
B4822	25000	7.7	1.35	
B4823	30000	7	1.35	**79c**
B4824	35000	6.5	1.35	
B4825	40000	6.1	1.35	
B4826	50000	5.5	1.35	
B4827	60000	5	1.60	$0.94
B4828	75000	4.4	1.60	.94
B4829	100000	3.8	1.85	1.09

Cat. No.	Resist. Ohms	Curr. M.A.	List	NET EACH
B4830	125000	3.4	$2.10	$1.23
B4831	150000	3.1	2.35	1.38
B4832	175000	2.9	2.35	1.38
B4833	200000	2.7	2.35	1.38
B4834	225000	2.5	2.60	1.53
B4835	250000	2.4	2.60	1.53
B4836	300000	2.2	2.85	1.68
B4837	400000*	1.9	3.00	1.76
B4838	500000*	1.7	3.40	2.00
B4839	750000*	1.3	4.50	2.64
B4840	1 meg.*	1	5.25	3.09

*These resistors are wound on 8 section forms to provide the higher dielectric strength necessary for 1½ watt or 1000 volt rating in these values. Overall length 1¼ inches.

FERRULE TERMINALS

Designed for use with the Precision Resistors described above. Screws into the resistor ends to convert them to ferrule types. **15c**

B4842. Per Pair.....

Electrad Precision Resistors are available in other values not listed, on special order with remittance, at the price of the next higher unit.



ELECTRAD ADJUSTABLE VOLTAGE DIVIDERS

Air-cooled voltage dividers with 4 sliding taps which, when adjusted, give correct voltages desired for any application. Can be used to replace burned-out or defective voltage dividers in many radio sets or amplifiers. Wt., 1 lb.

13000 OHMS—50 WATTS

B4622. Type C-130S.
List Price, $1.65.
YOUR PRICE..... **76c**

25000 OHMS—50 WATTS

B4623. Type C-250S.
List Price, $1.90.
YOUR PRICE..... **76c**

25000 OHMS—75 WATTS

B4624. Type D-250S.
List Price, $2.30.
YOUR PRICE..... **$1.24**

41000 OHMS—75 WATTS

Designed for use in the power supply of a '10 or '50 type tube receiver or transmitter. Ideal for use in high power amplifiers and receivers. Equipped with 6 sliding taps to give all desired voltages.

B4625. Type D-410S.
List Price, $4.50. NET..... **$1.32**

WE CAN SUPPLY ALL MALLORY-ELECTRAD PRODUCTS. WRITE FOR PRICES.

OHMITE wire wound RESISTORS



BROWN DEVIL RESISTORS

A high quality line of wire-wound resistors for all radio and many industrial requirements. Accurately rated; wound on high grade porcelain core. These resistors have a vitreous enamel coating for complete protection. Especially recommended for applications where abnormal moisture is present. Size, 1¾"x⅜"; with heavy tinned wire leads, 1½" long.

10 WATT

No.	Ohms	No.	Ohms
B8000	1	B8035	1250
B8001	2	B8036	1500
B8002	3	B8037	1750
B8003	4	B8038	2000
B8004	5	B8039	2250
B8005	7.5	B8040	2500
B8006	10	B8041	3000
B8007	12	B8042	3500
B8008	15	B8043	4000
B8009	20	B8044	4500
B8010	25	B8045	5000
B8011	30	B8046	6000
B8012	35	B8047	7000
B8013	40	B8048	7500
B8014	50	B8049	8000
B8015	75	B8050	8500
B8016	100	B8051	10000
B8017	125	B8052	11000
B8018	150	B8053	12000
B8019	200	B8054	12500
B8020	225	B8055	13500
B8021	250	B8056	14300
B8022	300	B8057	15000
B8023	350	B8058	16000
B8024	400	B8059	17500
B8025	450	B8060	18000
B8026	500	B8061	20000
B8027	600	B8062	22500
B8028	700	B8063	25000
B8029	750	B8280	30000
B8030	800	B8281	35000
B8031	900	B8282	40000
B8032	1000	B8283	45000
B8033	1100	B8284	50000
B8034	1200		

List, Each, 40c.
YOUR PRICE, EACH **24c**

20 WATT

No.	Ohms	No.	Ohms
B8065	5	B8086	1500
B8066	10	B8087	1750
B8067	25	B8088	1850
B8068	50	B8089	2000
B8069	75	B8090	2250
B8070	100	B8091	2400
B8071	150	B8092	2500
B8072	200	B8093	2750
B8073	250	B8094	3000
B8074	300	B8095	3500
B8075	350	B8096	4000
B8076	400	B8097	4500
B8077	500	B8098	5000
B8078	650	B8099	6000
B8079	700	B8100	7000
B8080	750	B8101	7500
B8081	800	B8102	8000
B8082	850	B8103	10000
B8083	1000	B8104	12500
B8084	1200	B8105	15000
B8085	1250		

List, Each, 65c.
YOUR PRICE, EACH **38c**

B8106	20000	B8110	40000
B8107	25000	B8111	45000
B8108	30000	B8112	50000
B8109	35000		

List, Each, 75c.
YOUR PRICE, EACH **44c**

B8113	55000	B8118	80000
B8114	60000	B8119	85000
B8115	65000	B8120	90000
B8116	70000	B8121	95000
B8117	75000	B8122	100000

List, Each, $1.00.
YOUR PRICE, EACH **59c**



10 WATT "RED DEVIL" RESISTORS

For all radio requirements. Wire-wound on low-loss porcelain core; coated with refractory cement which protects wire even at red heat. Will not deteriorate or change value with age. Efficiency is 100% at rated wattage; will stand temporary overloads of up to 50 watts. Size, 1¾"x⅜". With firmly anchored 1½" heavy tinned wire leads.

No.	Ohms	No.	Ohms
B8180	1	B8212	1000
B8181	2	B8213	1100
B8182	3	B8214	1200
B8183	4	B8215	1250
B8184	5	B8216	1500
B8185	7.5	B8217	1750
B8186	10	B8218	2000
B8187	12	B8219	2250
B8188	15	B8220	2500
B8189	20	B8221	3000
B8190	25	B8222	3500
B8191	30	B8223	4000
B8192	35	B8224	4500
B8193	40	B8225	5000
B8194	50	B8226	6000
B8195	75	B8227	7000
B8196	100	B8228	7500
B8197	125	B8229	8000
B8198	150	B8230	8500
B8199	200	B8231	10000
B8200	225	B8232	11000
B8201	250	B8233	12000
B8202	300	B8234	12500
B8203	350	B8235	13500
B8204	400	B8236	14300
B8205	450	B8237	15000
B8206	500	B8238	16000
B8207	600	B8239	17500
B8208	700	B8240	18000
B8209	750	B8241	20000
B8210	800	B8242	22500
B8211	900	B8243	25000

List, Each, 40c.
YOUR PRICE, EACH **24c**



WIRE-WOUND RESISTORS

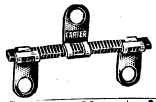
Wire-wound on fibre strips. Low inductance.

No.	Ohms	No.	Ohms	No.	Ohms
B9075	1	B9080	8	B9085	30
B9076	2	B9081	10	B9086	40
B9077	3	B9082	15	B9087	50
B9078	4	B9083	20	B9088	100
B9079	6	B9084	25		

10 FOR 63c.
NET EACH **7c**

B9089	200	B9092	600	B9094	900
B9090	400	B9093	700	B9095	1000
B9091	500				

10 FOR 73c.
NET EACH **8c**



CENTER-TAPPED RESISTORS

May be used in any filament or hum balancing circuit. Wire-wound on flexible fibre strip.

No.	Ohms	No.	Ohms	No.	Ohms
B9096	6	B9099	20	B9102	100
B9097	10	B9100	40	B9103	200
B9098	15	B9101	60	B9104	400

10 FOR 73c.
NET EACH **8c**



ELECTRAD CENTER-TAPPED RESISTORS

Conveniently small, compact, and fully protected with a coating of enamel. Center tap accurate to within 1%.

No.	Ohms	No.	Ohms	No.	Ohms
B4610	10	B4613	30	B4616	100
B4611	15	B4614	50	B4617	200
B4612	20	B4615	70		

NET EACH **15c**



EAGLE PLUNGER LEAK

Adjustable grid leak with a range from 0 to 50 megohms. Standard mounting.

B3974. YOUR PRICE **28c**



CONTINENTAL CARBON SEMI-PRECISION RESISTORS

A high-quality line of solid-molded triple ceramic-coated semi-precision carbon resistors. The popular sizes listed below are ideal for use as meter range multipliers. They are accurate within 5% and can be used with any 0-1 milliammeter to construct an accurate volt-ohmmeter. All units are carefully pre-aged to assure absolutely constant rated resistance values. Body and ends of resistors are entirely covered to prevent shorts.

1 WATT—1¾" x ¼"

Stock No.	Ohms	Volts at 1 M.A.	Stock No.	Ohms	Volts at 1 M.A.
B5850	100	.1	B5872	25000	25
B5851	200	.2	B5873	30000	30
B5852	400	.4	B5874	40000	40
B5853	500	.5	B5875	50000	50
B5854	1000	1	B5876	60000	60
B5855	*1450	1.5	B5877	75000	75
B5856	2000	2	B5878	85000	85
B5857	*2950	3	B5879	90000	90
B5858	3500	3.5	B5880	100000	100
B5859	4000	4	B5881	150000	150
B5860	*4450	4.5	B5882	200000	200
B5861	*4950	5	B5883	240000	240
B5862	5000	5	B5884	250000	250
B5863	5500	5.5	B5885	300000	300
B5864	*5950	6	B5886	400000	400
B5865	*7450	7.5	B5887	450000	450
B5866	8500	8.5	B5888	490000	490
B5867	*8950	9	B5889	500000	500
B5868	10000	10	B5890	600000	600
B5869	13500	13.5	B5891	750000	750
B5870	15000	15	B5892	800000	800
B5871	20000	20	B5893	900000	900
			B5894	1000000	1000

* Marks resistors which allow for the 50 ohms internal resistance of the meter.

List Each, 30c.
YOUR PRICE EACH **18c**

MULTIPLIER RESISTOR KIT

A kit of the above resistors which will convert any 0-1 Milliammeter (50 ohms internal resistance) for following readings: 0-10-25-50-100-250-500 volts, D.C.; 0-1000 ohms—1 megohm.

B2331. NET **$1.59**



OHMITE 1 WATT "WIRE-WATT" RESISTORS

An excellent wire-wound resistor for use in all types of radio circuits. Noiseless; non-inductive. Has high dielectric core, covered with insulating material. RMA color-coded. Accuracy of rating is within 5%.

No.	Ohms	No.	Ohms
B8125	100	B8146	2250
B8126	125	B8147	2500
B8127	150	B8148	3000
B8128	200	B8149	3500
B8129	250	B8150	4000
B8130	300	B8151	4500
B8131	350	B8152	5000
B8132	400	B8153	6000
B8133	500	B8154	7000
B8134	600	B8155	7500
B8135	700	B8156	8000
B8136	750	B8157	9000
B8137	800	B8158	10000
B8138	900	B8159	12500
B8139	1000	B8160	15000
B8140	1100	B8161	16000
B8141	1200	B8162	17500
B8142	1250	B8163	18000
B8143	1500	B8164	20000
B8144	1750	B8165	22500
B8145	2000	B8166	25000

List, Each, 25c.
YOUR PRICE, EACH **15c**

CENTER-TAPPED "WIRE-WATTS"

1 watt center-tapped resistors. Wire-wound. Accurately adjusted.

No.	Ohms	No.	Ohms
B8170	10	B8175	40
B8171	15	B8176	50
B8172	20	B8177	75
B8173	25	B8178	100
B8174	30	B8179	200

List, Each, 35c.
YOUR PRICE, EACH **21c**

RESISTORS · BALLASTS

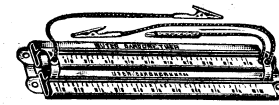
CANDOHM EXACT DUPLICATE RESISTORS



- Exactly duplicate the original unit.
- Resistance remains unchanged indefinitely.

These resistors are exact duplicates of the originals listed below. Used as original equipment by leading manufacturers. To order units not listed, give all numbers stamped on original part, or send sample. Also give make, model and tube line-up of set. Enclose deposit with order and we will ship proper unit.

Cat. No.	Fact. No.	Total Ohms	NET
Clarion (Trans. Corp.)			
B6551	1819	15100	$0.59
B6552	4268	15580	.68
B6553	4269	19200	.68
B6592	4267	19665	.68
B6593	4305	19600	.59
B6594	4512	19085	.59
Columbia (Knight)			
B6526	AC-5	8200	.54
B6527	AU-5	100	.34
Crosley			
B6529	20452B	4295	.68
B6530	20909	10000	.49
B6531	21955	6500	.49
B6532	21956	3160	.29
B6534	22574A	5205	.59
B6536	28471	33500	.39
B6537	28755A	274	.78
B6535	20176B	900	.49
Emerson			
B6538	HR-38	1500	.20
B6539	HR-36	310	.78
Majestic			
B6543	10145	21702	.68
B6544	10252	10000	.29
B6547	12047	21513	1.12
B6545	10535	2300	.41
B6546	10636	41750	.82
International			
B6549	R-303	310	.78
B6550	R-304	135	$0.20
B6548	R-302	1500	.20
B6542	R-329	4600	.29
Simplex			
B6518	7705	20490	.49
B6519	7726	33000	.41
B6520	7725	1100.41	.41
U. S. Radio & Tel.			
B6555	1752	22600	1.56
B6556	1959	23800	1.56
B6557	2303	3640	.39
B6558	2303A	3640	.49
B6559	2715	5055	.49
B6561	2811A	4450	.68
B6562	3111	6825	.78
B6563	3360	24300	.88
B6565	3621	3315	.78
B6566	3622	4300	.49
B6567	4145	20900	.58
B6569	5463	7050	.59
B6570	2381	16000	.71
B6571	27416	32272	.71
Wells-Gardner			
B6597	98002	39050	.71
B6598	98020	41000	.59
B6590	90974C	15738	1.10
B6591	98037	10000	.59
Zenith			
B6595	63-351	17035	.59



CANDOHMETER RESISTANCE INDICATOR

An accurately calibrated dual-range resistance indicator. Consists of two Candohm resistor units in a single mounting, insulated from and enclosed in neat metal casing. Sliding test prod moves freely in exposed slot. Quickly and accurately determines value necessary for replacing any burned-out or defective resistor.

0-10,000; 0-100,000 OHMS

Two scales, reading 0-10,000 and 0-100,000 ohms, are accurately stamped into the metal housing of the Candohmeter—the upper scale for determining approximate values, and the lower to permit of more accurate reading within its range. Excellent for experimental or service work. Complete with test leads, insulated handle prod, and alligator clips. Shpg. wt., 1 lb.

B6599. List, $2.00. YOUR PRICE **$1.18**

0-100; 0-1,000 OHMS

The same design and quality construction as the Candohmeter listed above, but intended for determining lower values of resistance with greater accuracy. Scales read: 0-100 and 0-1000 ohms. Shpg. wt., 1 lb.

B6596. List, $1.75. YOUR PRICE **$1.03**

MUTER 5 WATT ZIPOHM RESISTORS



Wire-wound 5 Watt, flat-type resistors. Compact enough for use in all radio set and amplifier circuits to replace over-loaded carbon resistors. Most units only 1½x½". Those prefixed with * are 2" long. Tinned leads 1½" long. Accuracy is 5%. Each unit is protected with a non-porous high temperature electrical cement.

No.	Ohms	No.	Ohms	No.	Ohms
B6700	100	B6714	1000	B6728	6000
B6701	125	B6715	1100	B6729	7000
B6702	150	B6716	1200	B6730	7500
B6703	200	B6717	1250	B6731	8000
B6704	250	B6718	1500	B6732	9000
B6705	300	B6719	1750	B6733	10000
B6706	350	B6720	2000	B6734	*12500
B6707	400	B6721	2250	B6735	*15000
B6708	500	B6722	2500	B6736	*16000
B6709	600	B6723	3000	B6737	*17500
B6710	700	B6724	3500	B6738	*18000
B6711	750	B6725	4000	B6739	*20000
B6712	800	B6726	4500	B6740	*22500
B6713	900	B6727	5000	B6741	*25000

List Price, 25c. YOUR PRICE EACH **15c**



ZIPOHM 5 WATT RESISTOR KIT

Contains 57 Zipohm resistors in 27 different values. These units were carefully selected from frequency charts and will cover 80% of replacements for wire-wound resistors. Contains the following **5 watt units, 1 each:** 150 ohm, 250, 400, 600, 1250, 4000, 6000, 7500, 15000, 20000 and 25000 ohm. **2 each,** 100 ohm, 200, 300, 3500 and 10000 ohm. **3**—1500 ohm. **4 each,** 500 ohm, 750, 2000, 2500, 5000 ohm and **5**—1000 ohm. Also contains **2 each of the following 10 watt units:** 10000 ohm, 15000, 20000 and 25000 ohm.

B6745. YOUR SPECIAL PRICE..... **$6.91**

LINE CORDS AND VOLTAGE REGULATORS



AC-DC SET LINE CORDS

Line cord with built-in resistor which supplies proper filament voltage for the popular .3 amp. metal and glass tubes when they are connected in series. Shpg. wt., 1 lb.

No.	Ohms	Filament Drop
B7207	360	10.0 to 17.0 V.
B7206	330	18.0 to 24.0 V.
B7205	290	25.2 to 31.5 V.
B7204	250	32.0 to 44.5 V.
B7203	220	45.0 to 52.0 V.
B7202	180	53.0 to 61.0 V.
B7201	160	56.5 to 68.9 V.
B7200	135	68.9 to 75.2 V.

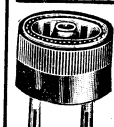
YOUR PRICE EACH **30c**



220-110 VOLT AC-DC LINE CORD

A special cord with built-in resistor which permits the operation of any .3 ampere 110 Volt A.C.-D.C. receiver from a 220 Volt line. With plug and receptacle.

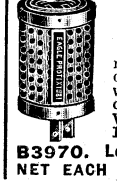
B9145. List, $1.50. NET..... **65c**



EUROPEAN ADAPTERS

Designed to adapt American sets for use with European wall outlets. Two types are available. One is for Great Britain and possessions (except Canada), the other is for Continental Europe and most other parts of the world.

B7210. Continental Adapter.
B7211. English Adapter.
NET EACH **18c**



PROTEX VOLTAGE REGULATOR

An air-cooled dependable voltage regulator. Fits any standard socket or outlet and will deliver correct voltage to any set. Small and inconspicuous. Extremely efficient. Will give lasting service. Shpg. wt., 1 lb.

B3970. Lots of 10, $2.85.
NET EACH **30c**

REPLACEMENT LINE BALLASTS



Original ballasts to replace similar units in sets designed for their use. These units maintain normal voltage in spite of line fluctuations from 90 to 135 volts. We can supply replacement line ballasts for all sets. If your set is not listed below, send in original ballast as sample, with deposit. Mention make, model and tube line-up of set, and we shall supply.

No.	Type	Set
B3273	2160	Bremer-Tully.
B3274	2179	Brunswick, Hi-Q30, Scott, Silver, Sonora.
B3275	1516	Majestic 70, 71.
B3276	2408	Clarion, Hi-Q31.
B3277	1508	Majestic 72, 70B.
B3278	1012	Majestic 80, 180, 181.
B3279	1210	Majestic 90, 91, 92, 100.
B3280	6310	United Reproducers, Peerless, Grebe.
B3281	2518	Starck Piano, Belmont.
B3282	2516	Simplex, Baldwin.
B3283	5001	Stewart-Warner 900-61816.
B3284	5002	Stewart-Warner 950-62152.
B3285	5003	Stewart-Warner R100-66756.

List, $2.50. YOUR PRICE EACH **$1.08**

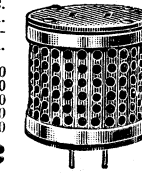
UNIVERSAL RESISTOVOLT



Automatic voltage regulator. Maintains a constant potential of 110 Volts, preventing tube burnouts. Operates automatically. Shpg. wt., 1 lb. each.

B5500. Light Duty for sets up to 6 tubes.
B5501. Heavy Duty for sets over 6 tubes.
NET EACH **56c**

CLAROSTAT A.C. LINE VOLTAGE REGULATOR



Automatically adjusts line voltage for all 110 Volt A.C. radios using power as shown. Gives protection against fluctuating voltages. 1 lb. each.

No.	Type	Watts
B3260	O.	Up to 60
B3261	A.	60 to 100
B3262	B.	100 to 150
B3263	C.	150 to 200
B3264	D.	200 to 250

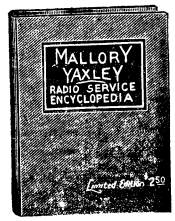
List, $1.75. NET EACH..... **49c**

MALLORY CONDENSERS

SERVICE 12,000 DIFFERENT RADIO SETS!

THE MALLORY-YAXLEY RADIO ENCYCLOPEDIA SHOWS YOU HOW

The most useful book ever published for the serviceman! In one volume, on one page, on one line, you get the right answer to every service problem—complete analysis of over 12,000 sets—data on IF peaks, volume controls, tone controls, tube line-ups, condensers, vibrators, transformer and filter circuits used, etc. Includes complete inductance, resistance and capacity data to meet all design and replacement requirements. Cloth-bound, 8½x11".



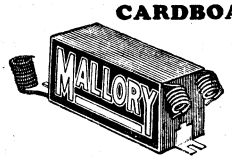
B11801. NET..... **$1.47**

ALLIED'S BIG STOCK OF MALLORY CONDENSERS MAKES IT EASY

The new Mallory Universal and Special Replacement Condensers listed below enable the serviceman to replace defective units, regardless of shape, size, or electrical characteristics, in over 90% of all radio receivers. A small stock of these high-quality conservatively-rated condensers meets all service requirements. We carry the entire line of Mallory Condensers in stock at all times. Any item not listed below, is immediately available from ALLIED stock at 40/2% off list price. Play safe: Order Mallory products from ALLIED.

DRY ELECTROLYTIC CONDENSERS

CARDBOARD CASED



Small and compact replacement condensers. Internal metal seal prevents damage from excess heat or humidity. With mounting flanges. All units have 8" color-coded leads.

CS—SINGLE SECTION

525 V. Peak, 450 V. D.C. Working

No.	Mfd.	Type	Size	NET
B11700	2	CS 130	½x ¾x2 1/16"	$0.38
B11701	4	CS 131	⅝x ⅞x2 1/16"	.44
B11702	6	CS 132	⅝x1 x2 1/16"	.53
B11703	8	CS 133	⅝x1 x2 1/16"	.56
B11704	10	CS 134	1 1/16x1 ⅛x2 1/16"	.68
B11705	12	CS 135	1 1/16x1 ⅛x2 1/16"	.76
B11706	16	CS 136	1 x1¼x2 1/16"	.85

300 V. Peak, 250 V. D.C. Working

B11707	4	CS 121	½x ¾x2 1/16"	.38
B11708	8	CS 123	⅞x ⅞x2 1/16"	.47
B11709	10	CS 124	⅝x1 x2 1/16"	.56
B11710	12	CS 125	⅝x1 x2 1/16"	.59
B11711	16	CS 126	1 1/16x1 ⅛x2 1/16"	.65

CN—MULTIPLE SECTION COMMON NEGATIVE

525 V. Peak, 450 V. D.C. Working

B11714	4-4	CN 150	¾x1 ⅛x2 5/16"	$0.71
B11715	4-8	CN 151	⅞x1 ¼x2 5/16"	.79
B11716	8-8	CN 152	⅞x1 ¼x2 5/16"	.88
B11717	8-8-8	CN 155	1 ⅛x1 ¼x3"	1.29

300 V. Peak, 250 V. D.C. Working

B11718	4-4	CN 140	⅝x1 x2 5/16"	.53
B11719	4-8	CN 141	⅝x1 x2 5/16"	.68
B11720	8-8	CN 142	¾x1 ⅛x2 5/16"	.76
B11721	8-8-8	CN 145	⅞x1 ¼x3"	1.15

CM—MULTIPLE SECTION SEPARATE NEGATIVES

525 V. Peak, 450 V. D.C. Working

B11724	4-4	CM 170	¾x1 ⅛x2 5/16"	$0.71
B11725	4-8	CM 171	⅞x1 ¼x2 5/16"	.79
B11726	8-8	CM 172	1 ⅛x1 x2 5/16"	.88
B11727	4-4-4	CM 173	1 ⅛x1 ¼x3"	1.06
B11728	8-8-8	CM 175	1 ⅛x1 ¼x3"	1.29

300 V. Peak, 250 V. D.C. Working

B11729	4-4	CM 160	¾x1 ⅛x2 5/16"	.53
B11730	4-8	CM 161	¾x1 ⅛x2 5/16"	.68
B11731	8-8	CM 162	⅞x1 ¼x2 5/16"	.76
B11732	16-16	CM 164	1 ⅜x1 x2 5/16"	1.06
B11733	8-8-8	CM 165	1 ⅜x1 x3"	1.15

TUBULAR DRY ELECTROLYTICS



Especially designed for by-pass use. Low power factor. High leakage resistance. With 3" tinned leads.

TS—SINGLE SECTION

No.	Mfd.	Wkg.V.	Type	Size	NET
B11735	10	25	TS 101	1 ¾x ¾"	29c
B11736	20	25	TS 102	2 ¼x ⅞"	35c
B11737	25	25	TS 103	2 ¼x ⅞"	38c
B11738	50	25	TS 104	2 ¾x1 "	56c
B11739	5	50	TS 105	1 ⅜x ¾"	29c
B11740	10	50	TS 106	2 ¼x ⅞"	38c
B11741	25	50	TS 107	2 ¾x1"	47c
B11742	50	50	TS 108	3 ⅛x1 ⅛"	71c

TN—DUAL—COMMON NEGATIVE

B11745	5-5	25	TN 110	1 ¾x ¾"	NET
B11746	10-10	25	TN 111	2 ¼x ⅞"	Each
B11747	5-5	35	TN 112	1 ⅜x ⅞"	**44c**
B11748	5-5	50	TN 113	2 ¼x ⅞"	

IN METAL CANS



High in efficiency. New internal construction insures against surge voltage failure; sealed against humidity and temperature damage. Have 8" color-coded leads; mounting nut and washer. Metal can is insulated. Remarkably small but highly efficient. Ideal units for all requirements.

RS—SINGLE SECTION

525 V. Peak, 450 V. D.C. Working

No.	Mfd.	Type	Size	NET
B11778	4	RS 211	2¾x1"	$0.50
B11779	8	RS 213	2¾x1"	.62
B11780	12	RS 215	2¾x1"	.82
B11781	16	RS 216	3½x1"	.91

300 V. Peak, 250 V. D.C. Working

B11782	4	RS 201	2¾x1"	.44
B11783	8	RS 203	2¾x1"	.56
B11784	12	RS 205	2¾x1"	.65
B11785	25	RS 207	3½x1"	.88

RN—MULTIPLE SECTION COMMON NEGATIVE

525 V. Peak, 450 V. D.C. Working

B11874	4-8	RN 241	3 x1"	$0.85
B11875	8-8	RN 242	3 x1⅜"	.94
B11876	8-8-8	RN 245	3½x1⅜"	1.35

300 V. Peak, 250 V. D.C. Working

B11877	4-8	RN 231	3x1"	.76
B11878	8-8	RN 232	3x1"	.85
B11879	8-8-8	RN 235	3x1⅜"	1.23

RM—MULTIPLE SECTION SEPARATE NEGATIVES

525 V. Peak, 450 V. D.C. Working

B11880	4-8	RM 261	3x1⅜"	$0.85
B11881	8-8	RM 262	3x1⅜"	.94
B11882	8-8-8	RM 265	4x1⅜"	1.35

300 V. Peak, 250 V. D.C. Working

B11883	4-8	RM 251	3 x1⅜"	.76
B11884	8-8	RM 252	3 x1⅜"	.85
B11885	8-8-8	RM 255	3½x1⅜"	1.23
B11886	8-8-16	RM 257	3½x1⅜"	1.38
B11887	8-16-16	RM 259	3½x1⅜"	1.53

REPLACEMENT MULTIPLE SECTIONS

TYPE MN



Dry electrolytics in large round metal cans. Designed primarily for replacement of similarly sized units. Exceptional filtering efficiency permits five listed types to replace all multiple units.

525 V. Peak, 450 V. D.C. Working

No.	Mfd.	Type	Size	NET
B11795	8-8	MN 272	2½x4 1/16"	$1.06
B11796	5-15	MN 273	2½x4 1/16"	1.35
B11797	8-8-8	MN 275	3 x4 1/16"	1.59
B11798	8-8-8-8	MN 277	3 x4 1/16"	2.12
B11799	9-9-18-18	MN 278	3 x4 1/16"	3.09

WET ELECTROLYTICS

TYPE WE



Low power factor and efficient self-healing characteristics make these units ideal for all heavy-duty filter requirements. Rated at 475 Volts DC working voltage, except B11793, which is 400 Volts DC, and B11792 and B11794, which are 450 Volts DC.

No.	Mfd.	Type	Size	NET
B11787	4	WE 447	1 x3 1/16"	$0.47
B11788	8	WE 847	1 x4½"	.56
B11789	12	WE 1247	1⅜x4½"	.68
B11790	16	WE 1647	1⅜x4½"	.79
B11791	18	WE 1847	1⅜x4½"	.88
B11792	25	WE 2545	1⅜x4 13/16"	1.00
B11793	35	WE 3540	1½x4½"	1.03
B11794	40	WE 4045	1½x4 13/16"	1.12

TUBULAR BY-PASS UNITS

TYPE TP



Non-inductive by-pass condensers of superior quality. Thoroughly impregnated against moisture. Wire leads are firmly anchored to metal discs.

No.	Mfd.	600 V. D.C. WORKING SIZE	NET EACH
B11750	.0001	1 1/16x½"	9c
B11751	.00025	1 1/16x½"	
B11752	.0005	1 1/16x½"	
B11753	.001	1 1/16x½"	
B11754	.002	1 1/16x⅝"	
B11755	.005	1 1/16x⅝"	
B11756	.006	1 1/16x⅝"	
B11757	.01	1 1/16x⅝"	
B11758	.02	1 1/16x⅝"	
B11759	.03	1¼"x1 1/16"	12c
B11760	.05	1⅛x⅝"	
B11761	.06	1⅛x¾"	
B11762	.1	2 1/16x1 1/16"	15c
B11763	.25	2 5/16x⅞"	21c
B11764	.5	2 1/16x1 ⅛"	29c

		400 V. D.C. WORKING	
B11765	.01	1 1/16x½"	9c
B11766	.02	1 1/16x½"	
B11767	.05	1 1/16x⅝"	
B11768	.1	1 1/16x⅝"	12c
B11769	.25	2 1/16x1 1/16	15c
B11770	.5	2 1/16x1"	21c

		200 V. D.C. WORKING	
B11771	.05	1 1/16x1/16"	9c
B11772	.1	1 1/16x1 ½"	
B11773	.25	1 1/16x¾"	15c
B11774	.5	2 x1 1/16"	21c
B11775	1.	2 1/16x1 ⅛"	29c

"SPECIAL UNIVERSAL" DRY ELECTROLYTICS



Special units designed to fill those applications which cannot be taken care of with Standard Mallory Units. Exact duplicate replacements of originals in the sets listed.

IN METAL CANS

3-2-1-1 Mfd., 450 Wkg. Volts

B11895. Type UR-181. For Philco 16, 17, 18, 116, 118, 200, 201, 640, 650, 660, 680. Size 1⅜x2¾". NET..... **$1.23**

8-8 Mfd., 350 Wkg. Volts

B11896. Type SR-605. For Atwater Kent 135Z, 215Z, 237Q, 305Z, 467Q, 565Z, 666, 766. Size 1⅝x3⅛". NET..... **91c**

CARDBOARD CASED

8-8 Mfd., 250-300 Wkg. Volts



B11897. Type UR-180. For Crosley 95, 96, 98, 99, 102, 129-1, 130, 130-1, 132, 132-1, 134, 136-1, 146-1, 148, 154, 157, 158, 160, 163, 167, 169, 176. Size 1½x1⅛x2¼". NET..... **76c**

5-25-10 Mfd., 150 Wkg. Volts

B11898. Type UR-182. For Belmont 53, 425, 440, 525, 530, 540, 625, 650; Echophone 7114; Emerson H5, 30AW, 33AW, 250, 250AW, 321AW, 350AW, 30LW, 33LW, 250LW, 321LW, 350LW; Grunow 5B, 501, 550; Zenith 701, 702, 801; Wells-Gardner 05A, 5B. Size 1 3/16x1⅝x2⅜". NET..... **$1.15**

4-4-4 Mfd., 150 Wkg. Volts

B11899. Type UR-183. For "F" Kadette Jr., 40 (Jewell), and 90. Size ⅝x1¼x2¼". NET..... **79c**

MOTOR-STARTING CONDENSERS

TYPE MS



Used as replacements for faulty original units or may be applied to speed up slow-starting motors. For use with refrigerators, etc. Supplied with clamping ring and metal cap. Working Volts, 110 Volts AC.

No.	Mfd.	Type	Diam.	NET
B11888	60	MS 540	2"	$2.18
B11889	70	MS 541	2"	2.32
B11890	80	MS 542	2"	2.47
B11891	100	MS 543	2"	2.76
B11892	115	MS 544	2"	3.06
B11893	135	MS 545	2½"	3.53
B11894	150	MS 546	2½"	3.88

KNIGHT BY-PASS AND REPLACEMENT CONDENSERS



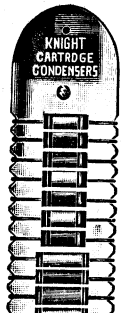
CARTRIDGE CONDENSERS

These high-quality condensers are ideal for use in all RF, IF and Audio by-pass and coupling circuits. High leakage resistance; low power factor. Encased in double-impregnated moisture-proof containers. Materials of the highest degree of purity are used in these ruggedly-built, conservatively-rated, inexpensive units. Dual units have common connection to strap lug.

Mfd.	400 VOLTS No.	400 VOLTS Net	600 VOLTS No.	600 VOLTS Net
.001	B7915	Each	B7931	Each
.002	B7916		B7932	
.003	B7917		B7933	
.004	B7918	6c	B7934	7c
.005	B7919		B7935	
.006	B7920		B7936	
.01	B7921		B7937	
.02	B7922		B7938	
.03	B7923		B7939	
.04	B7924	7c	B7940	8c
.05	B7925		B7941	
.06	B7926		B7942	
.1	B7927	8c	B7943	10c
.25	B7928	10c	B7944	15c
.5	B7929	15c	B7945	19c
1.0	B7930	29c	.....	....

Mfd.	200 VOLTS No.	200 VOLTS Net
.1	B7910	7c
.2	B7911	
.25	B7912	
.5	B7913	13c
1.0	B7914	25c

DUAL UNITS Mfd.	No.	V.	Net
.1-.1	B7946	200	14c
.25-.25	B7947	200	16c
.1-.1	B7948	400	14c
.1-.1	B7949	600	24c



HANDY CONDENSER ASSORTMENT

Complete assortments of popular sizes used in service work. Mounted on neat strips for hanging on the wall or carrying in your kit. 12 condensers to a strip, one of each value.

B7760. Consists of:

Mfd.	Volts	Mfd.	Volts
.001	400	.004	600
.003	400	.006	600
.005	400	.01	600
.006	400	.03	600
.001	600	.05	600
.002	600	.1	600

YOUR PRICE **85c**

B7761. Consists of:

Mfd.	Volts	Mfd.	Volts
.1	200	.05	400
.25	200	.06	400
.5	200	.1	400
1.0	200	.25	400
.01	400	.5	400
.03	400	1.0	400

YOUR PRICE **$1.38**

WAXED UNCASED REPAIR SECTIONS

Wax-dipped units for replacement use in filter block repairing. Compact; high dielectric resistance. 6" color-coded leads are of heat-proof pushback wire.



Mfd.	200 VOLTS No.	200 VOLTS Net	400 VOLTS No.	400 VOLTS Net
.25	B7741	9c	B7746	16c
.5	B7742	11c	B7747	18c
1.0	B7743	18c	B7748	28c
2.0	B7744	29c	B7749	54c

Mfd.	600 VOLTS No.	600 VOLTS Net	1000 VOLTS No.	1000 VOLTS Net
.25	B7750	24c	B7754	36c
.5	B7751	26c	B7755	45c
1.0	B7752	34c	B7756	73c

SPARTON TUBULAR REPLACEMENT



Exact duplicate 400 volt units for Sparton sets. With tapped hole and mounting lug.

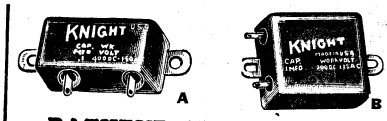
No.	Mfd.	NET
B7769	.25	26c
B7770	.5	29c
B7771	1.0	31c



MOLDED BAKELITE MICA CONDENSERS

Genuine bakelite molded units available in three convenient mounting styles. Highest quality mica dielectric and bakelite cases. Sizes: **Insulated mounting type, 1¼x2½".** **Pigtail and lug types, ¾x¾".** Types B and C have metal terminals which may also be used for mounting. Highest quality mica units available.

Cap. Mfd.	Pigtail Type (Fig.A)	Insul. Hole (Fig.B)	Lug Type (Fig.C)	Net Each
.000025	B7827	B7826	B7844	
.00004	B7828	B7809	B7845	
.00005	B7829	B7810	B7846	8c
.0001	B7830	B7811	B7847	
.00015	B7831	.....	B7848	
.0002	B7832	B7812	B7849	Per Doz.
.00025	B7833	B7813	B7850	85c
.0004	B7834	B7814	B7851	
.0005	B7835	B7815	B7852	
.0008	B7836	B7816	B7853	
.001	B7837	B7817	B7854	
.0015	B7838	B7818	B7855	
.002	B7839	B7819	B7856	12c
.0025	B7840	B7820	B7857	
.003	B7841	B7821	B7858	Per Doz.
.004	B7842	B7843	B7859	$1.30
.005	.....	B7822	.....	15c
.006	.....	B7823	.....	19c
.008	.....	B7824	.....	26c
.01	.....	B7825	.....	32c



BATHTUB CONDENSERS

Non-inductive metal-cased units for all by-pass requirements. Permanently sealed and moisture-proof. **Type A:** 1⅛x1x¾". **Type B:** Single, 1⅛x2x¾"; multiple, 2x2¼x¾".

By-Pass (Type A)

No.	Mfd.	Volts	NET
B7773	.1	200	16c
B7774	.25	200	20c
B7775	.5	200	24c
B7777	.1	300	20c
B7778	.25	300	24c
B7779	.5	300	32c
B7781	.05	400	12c
B7782	.1	400	15c
B7783	.25	400	19c
B7784	.1-.1	400	26c

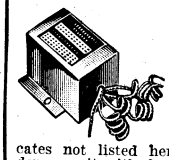
Single Section (Type B)

No.	Mfd.	Volts	Net
B7786	1.0	200	30c
B7787	2.0	200	49c
B7789	1.0	300	31c
B7791	1.0	400	32c
B7792	.25	400	26c
B7793	.5	400	33c

Multiple Section (Type B)

No.	Mfd.	Volts	Net
B7794	.1-.1-.1-.1	200	52c
B7795	.25-.25	300	31c
B7796	.5-.5	300	38c
B7797	.1-.1-.1	400	36c
B7798	.25-.25	400	32c
B7799	.5-.5	400	39c

EXACT DUPLICATE CONDENSERS

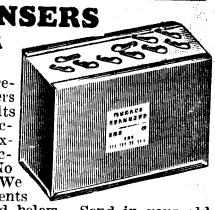


ELECTROLYTIC CONDENSERS

These condensers have electrical and physical characteristics exactly identical to the originals they replace. We can also supply other popular exact duplicates not listed here. Send us your old condenser unit with deposit, indicating make, model, and tube line-up of set, and we will duplicate it.

St'k No.	Part No.	Model	Cap. Mfd.	NET
		BELMONT (Freshman)		
B6650	C-525-C	.....	5-25	$0.59
		CROSLEY		
B6651	W23801	124, 125	6-8	.85
B6652	W25857B	95, 163	8-8	.50
B6653	W27488A	148, 167	8-6	.47
B6654	W27677A	147	8-8	.44
B6655	W29150B	169,7V2,5M3	6-7-8	.94
B6656	W29264A	166, 172	16-16-8	.98
		DETROLA		
B6657	1460	.....	4-8-20	1.06
		EMERSON		
B6658	GGC-137	32	8-16-5-5	1.21
		GRUNOW		
B6659	27151	501, 550, 5B	4-8-20-4	1.29
		GENERAL ELECTRIC—RCA-VICTOR		
B6660	66143	K52, R28	4-4	.57
B6661	66155	K60, R37	4-4-10-4	1.01
B6662	66189-1	K64, 121	8-4-4	.94
B6663	66189-2	K66, 220	8-4-4-4	1.10
		INTERNATIONAL		
B6664	A407	.....	4-4	.50
B6665	A408	Standard	5-5	.44
B6666	A421	40, 41, 42	3.5-3.5-3.5	.70
B6667	A427	.....	3.5-3.5-3.5	.66
		MAJESTIC		
B6668	4713	211 Series	8	.56
B6669	7278	291 Series	7-10	.68
B6670	7824	311 Series	8-16	.97
B6671	8385	15, 150 Series	8-8	.86
B6672	8755	381	4-8	.70
B6673	9661	411, 413	8-10-16	1.03
B6674	9979	66X	8-8	.72
B6675	10536	40, 49, 440	10-4-6	1.00
B6676	10827	55, 59, 500	10-8-8	.98
		MONTGOMERY WARD		
B6677	80944A	62-96, 62-98	4-12-16	1.09
		MOTOROLA		
B6678	1388	100	8-8-25	1.18
B6679	1668	75 Late	6-4-6	.82
		STEWART-WARNER		
B6680	81959	R115, R116	4-13-7	.97
B6681	83111	R112	8-8-5-5	1.15
		WELLS-GARDNER		
B6682	80944E	05-A, 05B-A	4-12-16	1.09

CONDENSER BLOCKS



Highest quality replacement condensers and blocks. These units have higher safety factor than originals. Exact physical and electrical duplicates. No redrilling necessary. We can supply replacements for any set not listed below. Send in your old condenser block with deposit. In all cases let us know make, model number, and tube line-up.

No.	Model	NET
	ATWATER KENT	
B7105	37	$2.94
B7106	Spkr. filter, all sets (A.K. 14902)	.59
B7107	40, 42, 46, 52, 37, 38, 39 (¼-¼-¼)	.59
B7108	35	.59
B7116	37, 38. Condensers only. (No Chokes)	1.55
B7117	55, 55C. Early & late types.	3.10
B7121	43, 46, 47-53, Condensers only	3.43
B7128	40, 42, 44, 45, 52, 56, 57. Condensers only	1.47
	BRUNSWICK	
B7142	14, 21, 31	4.60
	GENERAL MOTORS	
B7099	1200473. (.1-.1-.1)	.59
	KNIGHT	
B7109	SG8	3.40
B7110	SG8 (212)	.52
B7111	SG8 (213)	.58
B7112	SG8 (214)	.88
B7113	AC5 (1.0)	.73
	MAJESTIC	
B7115	70, 7P6, 7BP6	1.73
B7118	90, 9P6, 9BP6 (With resistors)	1.85
B7119	90 (.5)	.34
B7120	180, 8P6	2.95
B7122	50	2.20
B7123	Series 20 (Choke and input)	5.75
B7148	90B, 100B	2.75
	RCA-VICTOR	
B7124	R32, RE45, 52	4.20
	SPARTON	
B7127	930	3.95
B7125	69, 79	4.25
B7135	89A	3.70
	TEMPLE	
B7129	8-60, 8-80, 8-90	3.60
	U. S. RADIO—APEX—GLORITONE	
B7145	26	1.55
B7131	41, 43	1.85
B7132	46, 47	1.70
B7133	80, 81	2.62
B7146	36 (8 leads)	3.30

OUR PRICES ARE ALWAYS LOWER—WE WILL NOT BE UNDERSOLD

KNIGHT ELECTROLYTIC CONDENSERS

Ruggedly-made efficient electrolytic condensers, carefully designed to meet any requirement for service work or set building. Available in single or multiple units in both cardboard containers and metal can types. Built to give lasting service. Thoroughly impregnated against moisture; conservatively rated. For low price, long life, compactness, low power factor and reliability, these Knight Electrolytic Condensers are values that can't be matched.

DRY ELECTROLYTIC CONDENSERS

CARDBOARD BOXES



Single and multiple section electrolytic condensers in capacities adaptable to practically any repair job. Ideally suited for original installation in custom-built sets. Heavily impregnated, wax-filled cardboard containers for maximum durability. These compact and sturdy units are equipped with long insulated wire leads that allow the greatest possible flexibility in mounting. 550 D.C. peak volts; 450 D.C. working volts.

550 Volts Peak—450 Volts Wkg.

SINGLE SECTIONS

No.	Mfd.	Size	NET
B3823	2	1⅛x1⅜x ½	26c
B3824	4	1⅛x1⅜x ½	30c
B3825	6	1⅛x1⅜x ¾	34c
B3826	8	1⅛x1⅜x ¾	38c
B3827	10	1⅛x1⅜x1⅞	44c
B3828	12	1⅛x1⅜x1⅛	48c
B3811	16	1⅛x1⅜x1⅛	52c

MULTIPLE SECTIONS

No.	Mfd.	Size	NET
B3829	4-4	1⅛x1⅜x1⅞	48c
B3830	4-8	1⅛x1⅜x1⅛	56c
B3831	6-6	1⅛x1⅜x1⅛	58c
B3832	8-8	1⅛x1⅜x1⅛	60c
B3833	4-4-4	1⅛x1⅜x1¾	72c
B3834	8-8-8	1⅛x1⅜x1¾	89c

BANTAM SIZE DRY ELECTROLYTICS



Will fit in the smallest space. Ideal replacement units. Can be ganged to replace defective condenser banks. In impregnated cardboard containers with six inch color-coded insulated wire leads. Tabs for easy mounting.

550 Volts Peak—450 Volts Wkg.

No.	Mfd.	Size	NET
B3813	2	2¼ x1 x ½	24c
B3814	4	2⅝ x1⅛ x ¼	30c
B3815	6	2⅝ x1⅛ x ⅞	34c
B3816	8	2⅝ x1¼ x ⅞	38c
B3817	12	2½x 1⅝ x1¼	52c
B3818	4-4	2⅜16x1⅞16x1⅛	48c
B3819	8-8	2¼ x1⅞ x1¼	60c

ALUMINUM-COATED CARDBOARD CONTAINERS



Popular replacements for A.C.-D.C. and midget A.C. receivers. Containers are of aluminum-coated cardboard. Spade lugs are provided for easy mounting. Flexible insulated wire leads. Ratings are conservative, assuring long life and efficient operation. Containers are up to 4½" high, 1 11/16" in diameter. Buy a stock of condensers of different values so that you will have a replacement for every service job on hand always.

No.	Mfd.	Peak Volts	NET
B2738	8-16	500	90c
B2739	4-8	500	54c
B2740	8-8	500	60c
B2741	16	500	54c
B2737	12-16	500	92c
B3732	4-4-4	500	75c
B3733	8-8-8	500	88c

LOW VOLTAGE ELECTROLYTICS

No.	Mfd.	Volts	NET
B3734	8	200	34c
B3735	16	200	46c
B3736	8-8	200	50c
B3737	8-16	200	58c
B3738	8-20	200	63c
B3739	8-30	200	71c
B3740	8-40	200	86c
B3741	12-12	200	62c
B3742	12-16	200	63c
B3743	12-24	200	71c
B3744	8-8-8	200	70c
B3745	10-10-20	200	75c
B3746	8-14 / 10-10	200 / 35	85c
B3747	8-20 / 10-10	200 / 35	87c
B3748	12-16 / 10-10	200 / 35	90c

METAL CONTAINERS

Insulated Type



Mounted in aluminum insulated containers. Standard stud and nut mounting. Insulated leads.

550 Volts Peak—450 Volts Wkg.

No.	Mfd.	Size	NET
B3850	2	2⅜x1⅜	30c
B3851	4	2⅜x1⅜	36c
B3852	6	4⅜x1⅜	40c
B3853	8	4⅜x1⅜	42c
B3854	10	4⅜x1⅜	48c
B3855	12	4⅜x1½	56c
B3856	4-4	4⅜x1⅜	52c
B3857	6-6	4⅜x1½	60c
B3858	8-8	4⅜x1½	72c

MULTIPLE UPRIGHTS



Popular replacements. Absolutely dry and in moisture-proof round aluminum containers. Each section is separately wrapped and entirely insulated from the others. All negative terminals are grounded to the can. Positive leads are brought out to soldering lugs at top. Upright mounting. Working voltage, 450; peak voltage, 550.

2½ INCH CONTAINERS

No.	Mfd.	Length	NET
B3860	8-8	4⅜"	$0.70
B3861	4-4-4	4⅜"	.86
B3862	5-15	4⅜"	.88

3 INCH CONTAINERS

B3863	8-8-8	4⅜"	$1.04
B3864	8-8-8-8	4⅜"	1.44
B3865	9-9-18	4⅜"	1.50

3½ INCH CONTAINERS

B3866	9-9-18-18	4⅜"	$1.94

DRAWN ALUMINUM RECTANGULAR UNITS



Multiple section units in drawn aluminum containers. Wax-filled and moisture-proofed. Sections are insulated from each other and from the container. Terminal lugs are provided for each section individually. Working voltage, 450 D.C.; peak voltage, 550 D.C. Provided with tabs for easy mounting.

550 V. DC PEAK VOLTAGE

No.	Mfd.	Size	NET
B3873	4-4	4⅜x1½x1⅛	$0.58
B3877	6-8	4⅜x1⅜16x1 7/16	.70
B3878	8-8	4⅜x1⅜16x1 7/16	.72
B3879	4-4-4	4⅜x1⅜16x1 7/16	.85
B3881	8-8-8	4⅜x1¾x1¾	1.08

WET ELECTROLYTICS



For heavy-duty filter work in radio sets and amplifiers, etc. Self-healing properties and ability to withstand voltage overloads make these units dependable in operation. Low leakage current and excellent power factor assure long life. Housed in round aluminum containers, 1½" diameter and 4⅜" high. Inverted stud mounting. Can is negative. Replace dry electrolytics that continually break down with these units, for permanent replacement.

No.	Mfd.	Peak Volts	NET
B2712	8	600	65c
B2713	4	500	36c
B2714	8	500	40c
B2715	10	500	44c
B2716	12	500	48c

VOLTAGE DOUBLING DUAL SECTIONS

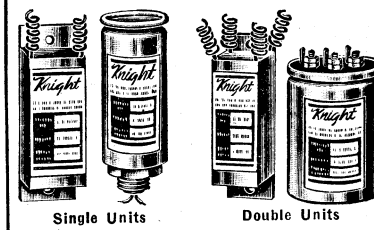


Especially designed for A.C. radio sets which have voltage doubling circuits using type 25Z5 tube. With 4 colored flexible 6 inch insulated wire leads—2 black and 2 red. Each capacity is a separate condenser section.

175 VOLT D.C. PEAK

No.	Mfd.	Size	NET
B3807	10-10	2¼x1¾x1¼	54c
B3808	12-12	2⅛x1⅜x1¼	58c
B3809	16-16	3½x1¼x1¼	72c
B3810	20-20	3½x1¼x1¼	80c

SPECIAL VALUE DRY ELECTROLYTICS



Single Units — Double Units

BUY THEM! USE THEM! WORTH DOUBLE THE MONEY

- Aluminum Cans or Cardboard Containers.
- Conservatively-Rated 450 V. D. C.; 550 V. Peak.
- All Single Units Have Wire Leads Firmly Fastened.
- Each Section is Separate Condenser.
- Minimum Mounting Space Required.
- Convenient Mounting Tabs and Lugs.

High quality dry electrolytic condensers at amazingly low prices. Equal to the finest electrolytics sold at any price. Supplied in both aluminum containers and in waxed cardboard cartons. Conservatively rated at 450 volts D.C. working voltage, 550 volts peak. All single units have flexible insulated wire leads. Each section of the double units is a separate condenser in itself. All cardboard units have convenient mounting tabs for easy mounting. All upright multiple units have solder lug terminals. Every good service shop should have a stock of these high quality replacement type condensers on hand for every emergency. Stock up with these high quality Knight Dry Electrolytics on your next order—save money and use the best.

550 VOLTS DC PEAK

CARDBOARD

2 MFD. 1⅛x¾x3". B3836 .... **21c**

4 MFD. 1⅛x⅞x2¾". B3837 .... **23c**

8 MFD. 1⅜x⅞x4⅛". B3838 .... **26c**

4-4 MFD. 1⅜x1⅛x3". B3839 .... **40c**

8-8 MFD. 1½x1⅛x2¾". B3840 .... **49c**

8-8-8 MFD. 2x1⅛x3". B3841 .... **77c**

METAL CANS

8 MFD. 1⅜x3¾". B3842 .... **30c**

4-4 MFD. 1½x3½". B3843 .... **42c**

8-8 MFD. 1½x3½". B3844 .... **58c**

8-8-8 MFD. 3x4⅜". B3845 .... **88c**

5-15 MFD. 2½x4". B3846 .... **72c**



CARTRIDGE TYPE DRY ELECTROLYTICS

High-grade units encased in impregnated moisture-proof cardboard, with 2" bare wire leads. Length, 2½" diameter, 9/16 to 1". High capacity at small cost. Efficient units.

No.	Mfd.	Peak Volts	NET
B3776	1	500	20c
B3777	2	500	24c
B3779	4	500	30c
B3799	8	500	33c
B3785	4	300	26c
B3786	8	300	30c
B3783	4	200	25c
B3784	8	200	27c
B3777	12	200	34c
B3798	16	200	38c
B3795	4-4	200	32c
B3796	8-8	200	48c
B3787	5	75	20c
B3788	10	75	22c
B3789	25	75	30c
B3790	5	35	16c
B3791	10	35	20c
B3792	25	35	28c
B3793	5-5	35	25c
B3794	10-10	35	28c
B3800	60	15	24c

AEROVOX CONDENSERS



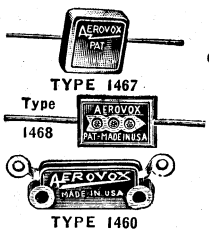
CARTRIDGE CONDENSERS

Conservatively rated compact non-inductive paper condensers. Sealed in wax-impregnated paper tubes; with wire leads. Dual section units have common lug for convenient mounting.

400 Volt No.		Cap. Mfd.	600 Volt No.	
B6800	NET EACH	.001	B6818	NET EACH
B6801		.002	B6819	
B6802		.003	B6820	
B6803		.004	B6821	
B6804		.005	B6822	
B6805	9c	.006	B6823	9c
B6806		.01	B6824	
B6807		.015	B6825	
B6808		.02	B6826	
B6809		.03	B6827	12c
B6810		.05	B6828	12c
B6811	12c	.1	B6829	15c
B6812	15c	.25	B6830	21c
B6813	21c	.5	B6831	29c
B6814	27c	1-1	B6832	30c
B6815	41c	.25-.25	B6833	50c

1000 Volt Tubular Units

No.	Mfd.	List	NET
B6836	.006	20c	12c
B6837	.01	20c	
B6838	.015	20c	
B6839	.02	25c	15c
B6840	.03	30c	18c
B6841	.05	35c	21c
B6842	.1	40c	24c



BAKELITE MICA CONDENSERS

Compact "postage-stamp type" condensers. Ideal for both high-frequency and audio by-pass circuits. Sealed in bakelite cases against all climate and temperature conditions. Selected ruby mica dielectric.

Cap. Mfd.	No. Type 1467	No. Type 1468	No. Type 1460	NET EACH
.00004	B6850	B6864	B6875	
.00005	B6851	B6865	B6876	
.000075	B6852	B6866	B6877	9c
.0001	B6853	B6867	B6878	
.00015	B6854	B6868	B6879	
.0002	B6855	B6869	B6880	
.00025	B6856	B6870	B6881	
.00037	B6857	B6871	B6882	12c
.0005	B6858	B6872	B6883	
.001	B6859	.....	B6884	15c
.0015	B6860	.....	B6885	18c
.002	B6861	.....	B6886	18c
.0025	.....	.....	B6887	21c
.003	.....	.....	B6888	21c



TYPE 1450 CONDENSERS

Accurate mica-tinfoil condensers in bakelite cases. Handy soldering lugs. Working voltage up to 500 volts D.C. Tested at 1000 volts. Thoroughly sealed against changes in humidity. Capacity of units is clearly marked on case.

No.	Mfd.	No.	Mfd.	NET EACH
B6890	.00005	B6894	.0002	
B6891	.00007	B6895	.00025	
B6892	.000075	B6896	.00037	15c
B6893	.0001	B6897	.0005	

No.	Mfd.	List	NET
B6898	.001	30c	18c
B6899	.0015	30c	18c
B6900	.002	35c	21c
B6901	.0025	35c	21c
B6902	.003	40c	24c
B6903	.004	45c	26c
B6904	.005	45c	26c
B6905	.006	55c	32c
B6906	.008	60c	35c
B6907	.01	70c	41c
B6908	.015	85c	50c
B6909	.02	95c	55c

AEROVOX ELECTROLYTIC CONDENSERS



ROUND METAL CAN DRY ELECTROLYTICS

Inverted mounting, aluminum can type condensers suitable for use in any filter circuit. Threaded stem, ¾" diam., fitted with locking nut. All units equipped with 8" flexible insulated color-coded leads. Multiple section units have separate positive and negative leads; may be used in either common negative or common positive circuits. Metal can is insulated from condenser sections. These high-quality condensers are ideal for all types of replacement or construction work; carefully designed and conservatively rated for long, trouble-free service. Every Serviceman should carry a small stock of the types listed for increased profit.

TYPE GL5—SINGLE SECTION WITH TWO LEADS

525 Volt D.C. Max. Surge

No.	Mfd.	Size	NET
B6771	4	1⅜x3¼"	$0.50
B6772	8	1⅜x4¼"	.62
B6773	12	1⅜x4¼"	.82
B6774	16	1⅜x5¼"	.91

TYPE 2GL5—DOUBLE SECTION WITH FOUR LEADS

525 Volt D. C. Max. Surge

No.	Mfd.	Size	NET
B6775	4-4	1⅜x4¼"	$0.76
B6776	4-8	1⅜x4¼"	.85
B6777	8-8	1⅜x4¼"	.94

TYPE 3GL5—TRIPLE SECTION WITH SIX LEADS

525 Volt D. C. Max. Surge

No.	Mfd.	Size	NET
B6778	4-4-4	1⅜x3¼"	$1.18
B6779	8-8-8	1⅜x4¼"	1.41

TYPE 3GL250—TRIPLE SECTION WITH SIX LEADS

300 Volt D.C. Max. Surge

No.	Mfd.	Size	NET
B6780	8-8-8	1⅜x3¼"	$1.23
B6781	8-8-16	1⅜x3¼"	1.38
B6782	8-16-16	1⅜x4¼"	1.53



ULTRA-COMPACT TYPE GLS INVERTED

An ultra-compact metal can electrolytic for general replacement purposes or for use where space is at a premium. Sections are insulated from can. Equipped with long flexible leads. Has threaded hard-rubber stem for inverted mounting. Particularly adapted to replacement work.

525 Volt Max. Surge

No.	Mfd.	Size	NET
B6942	4	1x2¾16"	50c
B6943	8	1x2 11/16"	61c
B6944	12	1x3 3/16"	82c
B6945	16	1x1⅜"	91c

300 Volt Max. Surge

No.	Mfd.	Size	NET
B6946	4	1x2¾16"	44c
B6947	8	1x2 11/16"	56c
B6948	12	1x2 11/16"	66c
B6949	16	1x3 3/16"	79c



UNIVERSAL MOUNTING MULTIPLE SECTIONS

These high quality dry electrolytic condensers are exact replacements for a large number of popular radio receivers. Absolutely dependable units, hermetically sealed. Supplied with clamping rings for universal mounting.

TYPE E-450 UPRIGHT

525 Volt D.C. Max. Surge

Stock No.	Cap. Mfd.	Size Dia.	Size Ht.	NET EACH
B6785	5-15	2½	4⅛	$1.35
B6786	8-8-8	3	4⅛	1.59
B6787	9-9-18	3	4⅛	2.20
B6788	8-8-8-8	3	4⅛	2.12

SMALL CARDBOARD DRY ELECTROLYTICS



Space-saver midget units. Conservatively rated to stand up under hardest service. Encased in heavy containers; thoroughly impregnated and sealed. With adjustable mounting brackets and flexible leads. Each section of multiple units has separate leads.

TYPE PBS-450

525 Volt D. C. Max. Surge

No.	Mfd.	Size	NET
B6750	2	½x¾x2 7/16	$0.38
B6751	4	9/16x1x2 7/16	.44
B6752	8	11/16x1 1/16x2 7/16	.56
B6753	10	11/16x1 1/16x2 13/16	.68
B6754	12	11/16x1 1/16x3 3/16	.76
B6755	16	11/16x1 1/16x2 7/16	.95
B6756	4-4	1¼x1⅛x2 7/16	.70
B6757	8-8	1 7/16x1⅛x2 7/16	.88
B6758	8-8-8	1¼x1½x3	1.29

TYPE PBS-200

250 Volt D. C. Max. Surge

No.	Mfd.	Size	NET
B6760	2	½x¾x2 7/16	$0.32
B6761	4	½x¾x2 7/16	.38
B6762	8	9/16x1 3/16x2 7/16	.47
B6763	10	9/16x1x2 7/16	.53
B6764	12	11/16x1⅛x2 7/16	.56
B6765	16	11/16x1⅛x2 7/16	.62
B6766	4-4	1 1/16x¾x2 7/16	.53
B6767	8-8	1 3/16x1 1/16x2 7/16	.73
B6768	8-16	1¼x1⅛x2 7/16	.85
B6769	8-8-8	1⅞x1 7/16x2 7/16	1.12

TYPE "P" ELECTROLYTICS

Wax-filled units, conservatively rated. Flexible leads are securely anchored.

525 Volt Max. Surge

No.	Mfd.	Size	NET
B6931	2	¾x1⅜x2⅝	$0.38
B6932	4	¾x1⅜x4⅛	.44
B6933	8	15/16x1⅜x4⅛	.56
B6934	12	1⅛x1 9/16x4⅛	.76
B6935	16	1 7/16x1 9/16x4⅛	.85
B6936	4-4	15/16x1⅜x4⅛	.70
B6937	8-8	1 7/16x1 9/16x4⅛	.88

600 Volt Max. Surge

No.	Mfd.	Size	NET
B6939	2	¾x1⅜x2⅝	$0.56
B6940	4	¾x1⅜x4⅛	.98
B6941	8	15/16x1⅜x4⅛	.79



TUBULAR ELECTROLYTICS

Light and compact units for replacement use or for construction work. Ideal for by-pass and filter requirements. With securely riveted tinned wire leads. TYPE PR.

No.	Mfd.	Wkg. V.	Size	NET
B6911	2	450	¾x2¼	38c
B6912	8	450	15/16x2¾	56c
B6913	4	200	¾x2¼	38c
B6914	8	200	⅞x2¼	47c
B6915	10	200	⅞x2¼	53c
B6916	25	100	15/16x2¾	56c
B6917	5	50	¾x2¼	29c
B6918	10	50	¾x2¼	38c
B6919	20	50	⅞x2¼	44c
B6920	25	50	⅞x2¼	47c
B6921	50	50	1¼x2¾	71c
B6922	5-5	50	⅞x2¼	44c
B6923	5	25	⅝x2¼	29c
B6924	10	25	¾x2¼	29c
B6925	20	25	¾x2¼	35c
B6926	25	25	⅞x2¼	38c
B6927	50	25	1¼x2¾	56c
B6928	5-5	25	⅞x2¼	44c
B6929	10-10	25	⅞x2¼	44c

WET ELECTROLYTICS



TYPE PG. Use these electrolytics for heavy-duty work where dry units give trouble. Positively non-leaking. 500 Volts DC peak, 450 Volts DC working. With stud and nut inverted mounting.

Stock No.	Cap. Mfd.	Size Dia.	Size Ht.	NET EACH
B6843	4	1⅜	4¾	$0.47
B6844	6	1⅜	4¾	.50
B6845	8	1⅜	4¾	.56
B6846	12	1⅜	4¾	.63
B6847	16	1⅜	4¾	.79
B6848	20	1⅜	4¾	.88
B6849	30	1½	4¾	1.06

WRITE US FOR "HARD-TO-GET" PARTS

CORNELL-DUBILIER CONDENSERS



"DWARF" TUBULAR PAPER CONDENSERS

TYPE DT

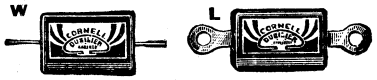
Reliable non-inductive all-purpose condensers. Wax-impregnated and triple-sealed against moisture. Low power factor and high DC resistance make these units ideal for all RF, IF and audio by-pass requirements. With securely fastened 2½" tinned leads.

400 Volts DC Wkg. V.

No.	Mfd.	Size	NET
B3300	.01	1¾6x7/16"	9c
B3301	.02	1¾6x7/16"	
B3322	.03	1 7/16x7/16"	
B3302	.05	1 7/16x7/16"	
B3303	.1	1 7/16x9/16"	12c
B3304	.25	2x1 1/16"	15c
B3305	.5	2x1¾6"	21c
B3306	1.0	2⅝x1"	29c
B3307	.1-.1	2¼x¾"	32c
B3308	.25-.25	2¼x1"	50c

600 Volts DC Wkg. V.

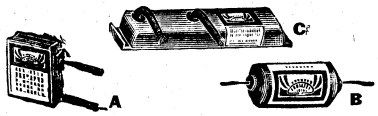
No.	Mfd.	Size	NET
B33309	.0001	1¾6x7/16"	9c
B3310	.00025	1¾6x7/16"	
B3311	.0005	1¾6x7/16"	
B3312	.001	1¾6x7/16"	
B3350	.002	1¾6x7/16"	
B3313	.003	1¾6x7/16"	
B3351	.004	1¾6x7/16"	
B3314	.005	1¾6x7/16"	
B3352	.006	1¾6x7/16"	
B3315	.01	1¾6x7/16"	12c
B3316	.02	1 7/16x7/16"	
B3353	.03	1 7/16x7/16"	
B3317	.05	1 7/16x9/16"	15c
B3318	.1	2x1 1/16"	21c
B3319	.25	2x⅞"	29c
B3320	.5	2x1"	38c
B3321	.1-.1	2¼x1"	



MOLDED BAKELITE MICA CONDENSERS

Ideal by-pass and coupling condensers for all RF, IF and audio circuits. Conservative working voltage rating of 500 V. D.C. is based on test voltage of 1000 V. D.C. Type W are 1x⅜x3/16" to .00025 mfd.; higher capacities are ¾x¾x3/16". Type L, all capacities, are 1x1⅝x3/16". The choice of discriminating Service Engineers and Amateurs.

Cap. Mfd.	No. Type W	No. Type L	NET EACH Either Type
.00003	B3641	B3652	9c
.00005	B3642	B3653	
.0001	B3643	B3654	
.00025	B3644	B3655	12c
.0005	B3645	B3656	
.001	B3646	B3657	15c
.002	B3647	B3658	21c
.003	B3648	B3659	24c
.004	B3649	B3660	26c
.005	B3650	B3661	32c
.006	B3651	B3662	35c



VIBRATOR REPLACEMENT CONDENSERS

Oil-filled, completely sealed units for auto radio power supplies. Can be used as replacements or for original installations. All are 2000 V. D.C. except Type C-.01 mfd. which is 1500 V. and Type C-.5 mfd. which is 200 V.

No.	Type	Mfd.	Size	NET
B3722	A	.01	⅝ x⅞ x1¼	26c
B3723	A	.015	⅝ x⅞ x 9/32	
B3724	A	.02	⅞ x⅞ x1¼	
B3725	A	.03	1⅛ x⅞ x¼	
B3726	B	.01	1⅝ x⅞ dia.	18c
B3728	B	.02	1⅝ x¾ dia.	24c
B3729	B	.03	2⅛ x1 1/16 dia.	29c
B3730	C	.01	3 1/16x1 7/32x⅜	35c
B3731	C	.5	3 1/16x2 7/32x⅞	38c

DRY ELECTROLYTIC CONDENSERS



CARDBOARD CASED DWARF MIDGETS

TYPE JR

Dependable, inexpensive, compact dry electrolytics. For use in limited space; make ideal replacements in the smallest midget sets. Suitable for every type of radio service job where space is limited. In silver-coated containers; sealed against humidity. With adjustable mounting feet.

525 V. DC Peak, 450 V. DC Wkg.

No.	Mfd.	Size	NET
B33325	2	2 7/16x ¾x 1½"	$0.38
B33326	4	2 7/16x1 x9/16"	.44
B33327	8	2 7/16x1⅛x1 1/16"	.56
B33328	10	2 7/16x1 1/8x ⅞"	.68
B33329	12	2 7/16x1 1/8x1"	.76
B33330	4-4	3 x1 1/8x ⅞"	.71
B33331	4-8	3 x1 1/8x1⅛"	.79
B33332	8-8	3 x1⅛x1⅛"	.88
B33324	8-16	2½ x2 x1½"	1.26

250 V. DC Peak, 200 V. DC Wkg.

No.	Mfd.	Size	NET
B3688	4	2 7/16x ¾x 1½"	$0.38
B3689	8	2 7/16x1 x 9/16"	.47
B3690	10	2 7/16x1 x 9/16"	.53
B3691	12	2 7/16x1⅛x 11/16"	.56
B3692	16	2 7/16x1 1/8x 11/16"	.62
B3693	4-4	2 7/16x1⅛x 11/16"	.53
B3694	4-8	2 7/16x1⅛x ⅞"	.68
B3695	8-8	2 7/16x1⅛x1"	.73
B3696	8-16	2 7/16x1¼x1⅛"	.85
B3697	8-8-8	2 7/16x1¼x1⅛"	1.12



TYPE EH

Build up your service profits with these high quality electrolytic condensers. In impregnated cardboard cases with punched flanges to facilitate mounting. Multiple units have common negative leads. Working voltage, 450 V. D.C., Surge voltage, 525 V. D.C. All units have long flexible insulated wire leads. Carefully built for long service.

525 Volts DC Peak

No.	Mfd.	Size	NET
B3601	4	4½x1⅜ x ¾"	$0.44
B3603	8	4½x1⅜ x1"	.56
B3604	16	4½x1 9/16x1¼"	.85
B3605	4-4	4⅝x1 9/16x1 3/16"	.71
B3606	4-8	4⅝x1 9/16x1 3/16"	.79
B3609	8-8	4⅛x1 9/16x1⅛"	.88
B3610	4-4-4	4½x1 9/16x1½"	1.06
B3611	8-8-8	4⅛x2 x2"	1.29



TUBULAR ELECTROLYTICS

TYPE ED

Compact dry electrolytic condensers for use where high capacity low leakage units are required. Well-made; double-sealed in durable cardboard containers. With tinned wire leads.

No.	Mfd.	Peak V.	Wkg. V.	Size	NET
B3700	5	35	25	2⅜ x ⅝"	29c
B3701	10	35	25	2⅜ x ¾"	
B3702	20	35	25	2⅜ x ⅞"	35c
B3703	25	35	25	2⅜ x1"	38c
B3704	50	35	25	2⅜ x1⅛"	56c
B3705	5-5	35	25	2⅜ x ¾"	44c
B3706	10-10	35	25	2⅜ x1"	44c
B3707	5	75	50	2⅜ x ¾"	29c
B3708	10	75	50	2⅜ x ⅞"	38c
B3709	25	75	50	2⅜ x1¼"	47c
B3710	50	75	50	2¾ x1⅝"	71c
B3711	5	150	100	2⅜ x ¾"	32c
B3712	10	150	100	2⅜ x1"	41c
B3713	25	150	100	2⅜ x1¼"	56c
B3883	4	200	150	2⅜ x1"	35c
B3884	8	200	150	2⅜ x1⅛"	44c
B3885	2	250	200	2¾ x ¾"	32c
B3886	4	250	200	2⅜ x1"	38c
B3887	8	250	200	2⅜ x1⅛"	47c
B3664	4	300	250	2¾ x ⅞"	38c
B3665	8	300	250	2¾ x ⅞"	50c
B3666	10	300	250	2¾ x1"	56c
B3667	12	300	250	2¾ x1"	62c
B3668	16	300	250	2¾ x1¾"	68c
B3888	2	350	300	2⅜ x ⅞"	35c
B3889	4	350	300	2⅜ x1¼"	41c
B3628	1	525	450	2⅜ x ¾"	32c
B3629	2	525	450	2⅜ x1"	38c
B3630	4	525	450	2½ x1⅛"	44c
B3627	8	525	450	3 1/16x1"	56c

METAL CAN DWARF MIDGETS



TYPE KR

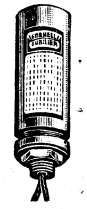
Etched-foil dry electrolytic condensers—as small as a 6K7 tube. May be easily installed on the smallest chassis, giving the serviceman a safe and dependable job. Multiple units have two separate leads for each section. High quality etched foil assembly assures long life and high efficiency. Ideal low cost replacements.

525 V. DC Peak, 450 V. DC Wkg.

No.	Mfd.	Size	NET
B3670	4	1 x2¾"	$0.50
B3671	8	1 x2¾"	.62
B3672	12	1 x3"	.82
B3673	4-8	1⅜x3¼"	.85
B3674	8-8	1⅜x3¼"	.94
B3675	8-16	1½x4⅜"	1.32
B3676	8-8-8	1½x4⅜"	1.35

300 V. DC Peak, 250 V. DC Wkg.

No.	Mfd.	Size	NET
B3680	4	1 x2¾"	$0.44
B3681	8	1 x2¾"	.56
B3682	12	1 x2¾"	.65
B3683	4-8	1 x3"	.76
B3684	8-8	1 x3"	.85
B3685	8-16	1⅜x3½"	1.15
B3686	8-8-8	1⅜x3½"	1.23



TYPE EB

High grade inverted type dry electrolytic condensers. Internal sections are completely insulated from metal container. Ideal for all replacement purposes and particularly suited for circuits where can is above ground potential. Exceptional stability, minimum leakage current. High in operating efficiency. Single mounting type, with insulated wire leads. Working voltage, 450 V. D.C.

525 Volts DC Peak

No.	Mfd.	Size	NET
B3890	2	2½x1⅜"	$0.44
B3891	4	2½x1⅜"	.50
B3892	8	4⅜x1⅜"	.62
B3893	10	4⅜x1⅜"	.73
B3894	12	4⅜x1½"	.82
B3897	16	4⅜x1½"	.91
B3895	4-4	4⅜x1⅜"	.76
B3896	8-8	4⅜x1½"	.94

TYPE EA

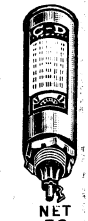
Single and multiple capacity electrolytics in aluminum containers. Mount in any position by means of clamping rings. Have exceptionally low power factor and leakage current. Can is common negative on all types. Especially suited to replacement work in older type radio sets using multiple section filters. Working voltage, 450 V. D.C. Mounting rings supplied.



525 Volts DC Peak

No.	Mfd.	Size	NET
B3631	4	1⅜x2½"	$0.50
B3632	6	1⅜x4⅜"	.59
B3633	8	1⅜x4⅜"	.62
B3635	5-15	2½x4⅜"	1.35
B3636	8-8	2½x4⅜"	1.06
B3637	8-8-8	3 x4⅜"	1.59
B3638	8-8-8-8	3 x4⅜"	2.12
B3639	9-9-18	3 x4⅜"	2.20
B3640	8-8-18-18	3 x4⅜"	2.85

WET ELECTROLYTICS



TYPE EY

Ideal for all heavy-duty work where dry units give trouble. Absolutely dependable in operation. Low power factor and leakage current. In round aluminum container with stud and nut mounting. These wet electrolytic units are rated at a maximum peak D.C. voltage of 500. Can be effectively used for replacements in older sets using "brute force" filter circuits.

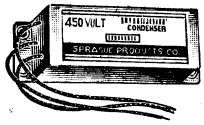
No.	Mfd.	Size	NET
B3715	4	3¼x1⅜"	50c
B3716	6	4½x1⅜"	56c
B3717	8	4½x1⅜"	59c
B3718	10	4½x1½"	65c
B3719	12	4½x1½"	71c
B3720	16	4½x1½"	79c
B3721	18	4½x1½"	88c

SPRAGUE CONDENSERS

SPRAGUE "450" VOLTS

SPRAGUE "600" LINE

"450" ELECTROLYTICS
450 V. WKG.—525 V. PEAK



CARDBOARD CASED DRY UNITS
TYPE LD

Exceptionally high quality dry electrolytic condensers. Moisture-proof. Compact.

No.	Mfd.	Size	NET
B||400	2	2¾x1 1/16x1 1/16	$0.38
B||401	4	4 1/16x1 3/16x3/4	.44
B||402	6	4 1/16x1 3/16x1	.53
B||403	8	4 1/16x1 3/16x1	.56
B||411	10	4 1/16x1 3/16x1 1/16	.68
B||404	12	4 1/16x1 3/16x1 1/4	.76
B||405	16	4 1/16x1 3/16x1 1/4	.85
B||406	4-4	4 1/16x1 3/16x1	.71
B||407	4-8	4 1/16x1 9/16x1 5/16	.79
B||408	8-8	4 1/16x1 9/16x1 5/16	.88
B||409	8-8	(4 Leads)	.88
B||410	8-8-8	4 1/16x1 1/2x2	1.29
B||412	8-8-8	(6 Leads)	1.29



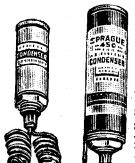
"TINY-MIKES" TYPE TM

Ultra-compact. Ideal for replacement work. Will fit almost any space. Low power factor. Working Volts, 450 D.C.

No.	Mfd.	Size	NET
B||413	1	13/16x1 3/16x2 1/2	$0.32
B||414	2	13/16x1 3/16x2 1/2	.38
B||415	4	13/16x1 3/16x2 1/2	.44
B||416	6	1x1x2 1/4	.53
B||417	8	1x1x2 1/2	.56
B||418	10	1 1/8x1 1/8x2 1/2	.68
B||419	4-4	(4 Leads)	.71
B||420	8-8	(4 Leads)	.88

PINHEAD TINY-MIKES TYPE PTM

No.	Mfd.	Size	NET
B||471	2	3/4x3/4x2 1/2	$0.38
B||472	4	7/8x7/8x2 1/2	.44
B||473	8	3/4x1 3/16x2 1/2	.56
B||474	12	1 1/4x1 1/8x2 1/2	.76
B||475	16	1 1/4x1 1/4x2 1/2	.85
B||476	4-4	1 1/8x1 7/16x2 1/2	.71
B||477	8-8	1 1/8x1 7/16x2 1/2	.88



ALUMINUM CAN DRY UNITS
TYPE LS—FIG. B

Excellent for all filter uses. Extremely low power factor assures best results. Hermetically sealed against moisture; unaffected by heat. Supplied with handy slotted brackets to meet all special mounting problems. With wire leads. Wkg. V., 450.

No.	Mfd.	Size	NET
B||438	2	1x3 1/2	$0.44
B||439	4	1x3 1/2	.50
B||440	8	1 3/8x4 7/16	.62
B||441	12	1 3/8x4 7/16	.82
B||442	16	1 3/8x4 7/16	.91
B||443	8-8	1 3/8x4 7/16	.94
B||444	8-8	(4 Leads)	.94

TINY MIKES—TYPE PLS—FIG. A

No.	Mfd.	Size	NET
B||464	4	1x2 3/4	$0.50
B||465	8	1x3	.62
B||467	12	1x3	.82
B||468	16	1x3	.91
B||466	8-8	1 1/2x3	.94



OIL-IMPREGNATED SHORT WAVE CONDENSERS
TYPE SW

Compact, non-inductive cartridge type condensers. Ideal for HF work or for use in any RF, IF or Audio circuit. Oil-impregnated. Cased in metal. Impervious to moisture. With strong tinned wire leads.

No.	Mfd.	Wkg. V.	Size	NET
B||422	.002	1500	9/16x1 9/16	$0.26
B||423	.005	1500	5/8x1 11/16	.26
B||424	.01	1500	11/16x1 11/16	.41
B||427	.02	1500	7/8x1 11/16	.44
B||425	.05	1000	7/8x2 1/4	.47
B||426	.1	1000	7/8x2 1/4	.53

FREE MOUNTING STRAPS

One supplied FREE with purchase of Sprague condensers if specified on your order.

B\|\|348. For mounting single units.
B\|\|349. For mounting two or more units.

THE SPRAGUE 600 LINE CONDENSERS
600 VOLTS D.C. PEAK—475 VOLTS D.C. WORKING



CARDBOARD CASED ELECTROLYTICS

For use under high surge conditions. Low power factor. 600 Volts Peak, 475 Volts Working. With long pushback-leads and handy mounting flanges.

TYPE DC—STANDARD UNITS

No.	Mfd.	Size	NET
B||300	2	2 1/2x7/8x7/8	$0.56
B||301	4	4 1/8x1 1/8x7/8	.68
B||302	6	4 1/8x1 1/8x1 5/16	.76
B||303	8	4 1/8x1 3/8x1 1/8	.79
B||304	4-4	4 1/8x1 3/8x1 1/8	1.06
B||305	4-8	4 1/8x1 3/8x1 3/8	1.18
B||306	8-8	4 1/8x1 9/16x1 1/2	1.29
B||307	8-8	(4 Leads)	1.29



TYPE EC—COMPACT UNITS

Ideal replacements for use in limited space. Aluminized, moisture-proof, cardboard containers. 600 Volts Peak; 475 Volts Working.

No.	Mfd.	Size	NET
B||308	1	2 1/2x1 5/16x1 5/16	$0.50
B||309	2	2 1/2x1 5/16x1 5/16	.56
B||310	4	2 1/2x1 1/16x1 1/16	.68
B||311	8	2 1/2x1 3/8x1 3/8	.79



TYPE TC TUBULAR BY-PASS UNITS

Neat and compact tubular condensers. Non-inductively wound. Oil-impregnated for superior service. Suitable for all R.F. and Audio circuits. Long, sturdy pigtail leads permit easy mounting and connection.

Test Volts 1200—Wkg. Volts 600

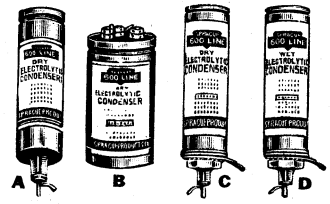
No.	Mfd.	Size	EACH NET
B||360	.0001	7/8x3/8	9c
B||361	.00025	7/8x3/8	
B||362	.0004	7/8x3/8	
B||363	.0005	7/8x3/8	
B||364	.001	1 1/4x7/16	
B||365	.002	1 1/4x7/16	
B||366	.003	1 3/8x7/16	
B||367	.004	1 3/8x7/16	
B||368	.005	1 3/8x7/16	
B||369	.006	1 3/8x1/2	
B||370	.01	1 3/8x1/2	
B||371	.02	1 3/8x1/2	
B||378	.03	1 5/8x1/2	12c
B||379	.04	1 5/8x1/2	12c
B||372	.05	1 5/8x1/2	12c
B||373	.06	1 5/8x9/16	15c
B||374	.1	1 5/8x5/8	15c
B||375	.25	2 1/8x1 3/16	21c
B||376	.5	2 1/8x1 5/16	29c
B||377	1.0	2 1/2x1 3/16	47c



HANDY KIT OF TYPE TC CONDENSERS

This kit provides a handy means of keeping up your tubular condenser stock. You will be sure of having all the capacities you need—when you need them. Contains: 3—.01, 3—.02, 3—.05, 8—.1, 4—.25 and 4—.5 condensers. All 25 units are 600 Volts working.

B\|\|452. YOUR PRICE.... $4.06



ALUMINUM CAN ELECTROLYTICS

Extremely long-life filter condensers. Low power factor and low leakage give you better filtering at less cost. 600 Volts Peak; 475 Volts Working. Impervious to heat and moisture. Packed with universal mounting brackets.

UPRIGHT TYPE AC—FIG. A

No.	Mfd.	Size	List	NET
B||330	2	1 x1 1/2"	$1.10	$0.65
B||331	8	1 3/8x4 7/16"	1.50	.88
B||332	12	1 3/8x4 7/16"	2.05	1.21
B||333	16	1 1/2x4 7/16"	2.30	1.35

MULTIPLE UNITS—FIG. B

B||334	8-8	1 1/2x1 1/2"	2.40	1.41
B||335	8-8-8	3 x1 1/2"	4.00	2.35
B||336	5-15	2 1/2x4 1/2"	3.35	1.96
B||337	9-9-18	3 x4 1/2"	5.80	3.41
B||338	8-8-8-8	3 x4 1/2"	5.35	3.14
B||340	18-18	2 1/2x4 1/2"	4.90	2.88

INVERTED TYPE SC—FIG. C

Dry electrolytics in aluminum cans with screw thread mounting. With insulating washers.

No.	Mfd.	Size	List	NET
B||341	4	1 x3 1/2	$1.25	$0.73
B||342	8	1 3/8x4 7/16	1.50	.88
B||345	10	1 3/8x4 7/16	1.80	1.06
B||346	12	1 3/8x4 7/16	2.05	1.21
B||347	16	1 1/2x4 7/16	2.30	1.35
B||343	8-8	1 1/2x4 7/16	2.40	1.41
B||344	8-8	(4 Leads)	2.40	1.41

"500" WET ELECTROLYTICS

Heavy-duty, self-healing condensers. Leakproof. 500 Volts Peak, 400 Volts Working.

Type WC—Fig. D—500 Volts Peak

No.	Mfd.	Size	NET
B||350	4	1 x3 15/16"	$0.47
B||351	8	1 x4 7/8"	.56
B||359	8	1 3/8x3 13/16"	.56
B||352	10	1 3/8x3 15/16"	.62
B||353	12	1 3/8x3 15/16"	.68
B||354	16	1 3/8x3 15/16"	.79
B||355	18	1 3/8x4 7/8"	.88
B||356	25	1 1/2x4 7/16"	.97

Peak Voltage—300 Volts

B||357	18	1 3/4x3 15/16"	.68
B||358	40	1 3/8x4 7/16"	.79



TUBULAR ELECTROLYTICS

Specially designed for compact sets. Exceptionally heat-proof. With ample pig-tail leads of covered push-back wire.

No.	Mfd.	Wkg. V.	Size	NET
B||480	1	450	3/4x2 5/8	$0.32
B||481	2	450	15/16x2 5/8	.38
B||482	4	450	15/16x2 5/8	.44
B||483	8	450	1 1/16x2 5/8	.56
B||484	8-8	450	15/16x3 1/8	.88
B||485	2	200	1 1/16x2 1/2	.32
B||486	4	200	3/4x2 1/2	.38
B||487	8	200	3/4x2 1/2	.47
B||488	12	200	7/8x2 1/2	.56
B||489	16	200	1x2 1/2	.62
B||490	25	200	1x2 1/2	.73
B||491	8-8	200	1x2 3/4	.73
B||492	8-12	200	1x3	.82
B||493	8-16	200	1x3 1/4	.85
B||494	2	100	1 1/16x2 1/2	.29
B||495	4	100	3/4x2 1/2	.29
B||496	8	100	3/4x2 1/2	.35
B||497	12	100	7/8x2 1/2	.44
B||498	25	100	1 1/16x2 1/2	.56
B||430	10	50	1 1/16x2 1/2	.38
B||431	25	50	7/8x2 1/2	.47
B||432	50	50	1x3 1/4	.71
B||433	5	25	1 1/16x2 1/2	.29
B||434	10	25	1 1/16x2 1/2	.29
B||435	25	25	15/16x2 1/2	.38
B||436	50	25	15/16x2 1/2	.56
B||437	10-10	25	1 3/16x2 1/2	.44

Rectangular Units

B||447	4-4	150	2 1/2x1 3/16x1 3/16	.50
B||448	5-5	50	2 7/16x1 3/16x1 3/16	.44
B||449	10-10	25	2 1/2x1 3/16x1 3/16	.44

TOBE ELECTROLYTIC AND BY-PASS CONDENSERS



SURGPROOF TUBULAR CONDENSERS

Space-saving non-inductive condensers. Vacuum-impregnated for protection against excessive moisture. Special metal end plates radiate heat from your soldering iron and prevent intermittent capacity changes. Easily supported anywhere by their strong 2½ inch tinned copper wire leads. Conservatively rated. Only high quality materials are used, making these units ideal for all radio and audio-frequency bypass service. Ideal for every replacement or original installation. Increase your profits by using these high-quality low-priced units.

600 VOLTS

No.	Mfd.	Size	NET EACH
B8466	.001	7/8 x 9/16"	11c
B8467	.002	7/8 x 9/16"	
B8465	.003	7/8 x 9/16"	
B8468	.004	7/8 x 9/16"	
B8469	.005	7/8 x 9/16"	
B8470	.006	7/8 x 9/16"	
B8471	.008	1 3/16 x 9/16"	
B8472	.01	1 3/16 x 9/16"	
B8473	.02	1 3/16 x 9/16"	12c
B8477	.03	1 3/16 x 9/16"	12c
B8375	.1	1 3/16 x ¾"	21c
B8376	.25	1 3/16 x 1"	26c

400 VOLTS

B8474	.04	1 3/16 x 9/16"	13c
B8475	.05	1 3/16 x 9/16"	13c
B8476	.06	1 3/16 x 9/16"	14c
B8495	.1	1¾ x 9/16"	15c
B8496	.25	1 3/16 x ¾"	21c
B8497	.5	1 3/16 x 1"	29c

300 VOLTS

B8490	.1	1¼ x 9/16"	13c
B8491	.25	1¾ x 9/16"	18c
B8492	.5	1 3/16 x ¾"	26c
B8493	1.0	1 3/16 x 1"	41c



SURGPROOF REPAIR CONDENSERS

Compact filter sections that simplify service work. Compact; moisture-proof. These high quality units are built for the hardest types of service under conditions which cause early failure of ordinary paper condensers. Tested at four times their rated working voltage. With long flexible insulated leads.

400 VOLT CONDENSERS

No.	Mfd.	Size	NET
B8478	.1	1⅞" x ¾" x 1 1/16"	21c
B8479	.25	1⅞" x ⅞" x 1 1/16"	26c
B8480	.5	2⅛" x 1 5/16" x 1½"	32c
B8481	1.	2⅛" x 1⅞" x ⅝"	44c
B8482	2.	2⅞" x 2" x ¾"	68c

600 VOLT CONDENSERS

B8483	.1	2⅞" x ¾" x 1 1/16"	26c
B8484	.25	2" x 1⅛" x 9/16"	32c
B8485	.5	2⅛" x 1 5/16" x ¾"	38c
B8486	1.	2⅞" x 1 13/16" x ¾"	53c
B8487	2.	3½" x 2½" x 7/16"	79c

800 VOLT CONDENSERS

B8445	1.	4" x 2 5/16" x ¾"	$0.71
B8446	2.	4" x 2 5/8" x 1¼"	1.12

1000 VOLT CONDENSERS

B8447	1.	4" x 2½" x ⅞"	88c



TOBE AUTO VIBRATOR REPLACEMENT CONDENSERS

Oil-impregnated condensers especially designed for vibrator work. Well-built to safely stand surges and transients up to 1600 volts D.C.

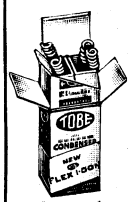
B8517. For Model 44 Motorola. T35 Elkonode, as illustrated. .05 mfd. 2⅝ x ⅝ x ⅝". YOUR PRICE..... **35c**

B8518. Tubular .01, 1¾ x 9/16". For Motorola 44, 77A, 66, 160. NET..... **18c**

B8519. Tubular, 02. 1⅞" x 1 1/16". YOUR PRICE..... **24c**

B8520. Tubular .05, 1⅞ x 1 1/16". YOUR PRICE..... **29c**

TOBE ELECTROLYTIC CONDENSERS



STANDARD FLEXIDONS

Something new in condenser construction. Compact high-voltage electrolytic condensers featuring patented asphalt casing, tinned mounting eyelets, conservative rating, etc. Each section of multiple units has individual positive and negative leads; may be easily removed and replaced in case of failure, without bothering undamaged sections. Wax plug end seal is provided for each section thus sealing condenser ends against moisture. Flexible, insulated, color-coded leads are firmly fastened to sections. Operating voltage, 475 volts D.C.

525 Volt DC Peak

No.	Mfd.	Size	NET
B8429	1	2⅛" x 1" x 1"	$0.32
B8430	2	2⅛" x 1" x 1"	.38
B8431	4	3¼" x 1 5/16" x 5/8"	.44
B8433	8	3¼" x 1 5/16" x ⅞"	.56
B8436	4-4	3¼" x 1 5/16" x 1 5/16"	.71
B8437	4-8	3¼" x 1¾" x 1 5/16"	.79
B8438	8-8	3¼" x 1¾" x 1 5/16"	.88
B8439	4-4-4	3¼" x 1⅞" x 1 5/16"	1.06
B8440	8-8-8	3¼" x 2 5/8" x 1 5/16"	1.29



COMPACT FLEXIDONS

Ultra-compact condensers of latest design. May be fitted into practically any chassis. Have tinned eyelets for either bolt or soldered mounting. Conservatively rated; designed to give long trouble-free service. Can be mounted in any position.

200 V. D.C. Working

No.	Mfd.	Size	NET
B8362	4-4	⅞" x ⅞" x 2 1/16"	$0.53
B8363	8-8	1" x ⅞" x 2 3/16"	.71
B8364	8-16	1¼" x 1" x 2 3/16"	.79

475 V. D.C. Working

B8378	4	2½" x ⅞" x 1½"	.44
B8379	8	2½" x 1" x ⅞"	.56
B8380	4-4	2½" x 1" x ⅞"	.71
B8381	8-8	2½" x 1½" x 1"	.88
B8382	4-4-4	2½" x 1½" x 1"	1.18

500 V. D.C. Working

B8383	8	2½" x 1½" x 1"	.79



COMPACT UNIDONS "BUILD YOUR OWN"

No more trouble with those A.C.-D.C. specials. These UNIDONS can be combined to assemble any block you need. Same quality as the standard FLEXIDONS, but smaller and will stack up to any known combination. These individual sections meet all needs for highest quality and versatility. An assortment of these units will allow you to repair any small set quickly and profitably. No delay ordering exact duplicates. Take your sections, wrap them up, wire them in, and the job is done faster than ever before.

150 Volts Working

No.	Mfd.	Size	NET
B8385	8.0	2¼" x ¾" x 1½"	29c
B8386	12.0	2¼ x ⅞ x 9/16"	35c
B8387	16.0	2¼ x 1 x 1 1/16"	41c

25 Volts Working

B8388	5	2¼ x 9/16 x 5/16"	24c
B8389	10	2¼ x 9/16 x 5/16"	24c
B8390	10-10	2¼ x 1 1/16 x 7/16"	38c



NEW TUBIDONS

The ideal compact condenser to use for universal replacement service. Triple-sealed with asphalt-lined paper; completely moisture-proof. Terminals can't corrode. Built for dependable long life under all types of climatic conditions.

No.	Mfd.	Wkg. V.	Lgth.	Dia.	NET
B8322	4	500	2¾	x 1	53c
B8323	8	500	2¾	x 1¼	62c
B8300	1	475	2½	x ⅝	29c
B8301	2	475	2½	x ⅞	32c
B8302	4	475	2½	x ⅞	35c
B8303	8	475	2½	x 1	44c
B8304	2	200	2¼	x ⅝	26c
B8305	4	200	2¼	x ⅝	29c
B8306	8	200	2¼	x ⅞	32c
B8307	12	200	2¼	x ⅞	38c
B8308	16	200	2¼	x 1	44c
B8309	5	50	2¼	x ⅝	26c
B8310	10	50	2¼	x ⅝	38c
B8311	25	50	2¼	x ⅞	41c
B8312	50	50	2½	x 1	56c
B8313	5-5	50	2¼	x ⅝	41c
B8314	10-10	50	2¼	x ⅝	44c
B8315	5	35	2¼	x ⅝	24c
B8316	10	35	2¼	x ⅝	24c
B8317	25	35	2¼	x ⅞	29c
B8318	50	35	2¼	x 1	47c
B8319	5-5	35	2¼	x ⅝	38c
B8320	10-10	35	2¼	x ⅝	41c

METAL CAN UNITS



High quality filter units. Single sections have threaded stud for inverted mounting; with tapped 6-32 hole for upright mounting; with flexible leads. Multiple sections have screw terminals and clamping rings.

500 Volt DC Peak

No.	Mfd.	Dia.	Hght.	NET
B8418	4	1"	3¼"	$0.50
B8419	8	1"	3¾"	.62
B8420	8	1⅜"	4½"	.62
B8422	5-15	2½"	3⅜"	1.35
B8415	8-8	1½"	4½"	.94
B8423	8-8	2½"	3⅜"	1.06
B8416	8-16	2½"	3⅜"	1.68
B8424	8-8-8	3"	3⅜"	1.59
B8425	8-8-8-8	3"	3⅜"	2.12
B8426	9-9-18	3"	3⅜"	2.20
B8427	9-9-18-18	3¼"	3⅜"	3.09

600 Volt DC Peak

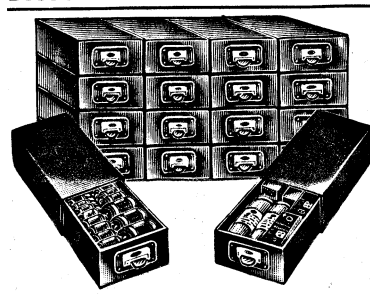
B8421	8	1⅜"	4½"	.88

SPECIAL UNITS FOR AC-DC RECEIVERS



Popular combinations in single and multiple section tubular electrolytics. In sturdy aluminized paper tubes with 6" insulated flexible leads for connection. Dimensions: 4¼ x 1 5/16 x 1 5/16". Mounting centers of spade lugs: 1 5/16".

No.	Mfd.	Wkg. Volts	NET
B8325	16	475	$0.82
B8326	4-4	475	.73
B8327	4-8	475	.79
B8328	8-8	475	.94
B8329	8-8-8	200	1.03
B8330	8-16	200	.85
B8331	8-16 / 10-10	200 / 35	1.32



KIT NO. 2

Consists of the following 500 Volt Dry Electrolytic condensers in a steel cabinet: **2—8 mfd.** in metal containers; **5—8 mfd.** and **2—4 mfd.** units in cardboard containers.

B8523. WITH CABINET NET..... $4.91

HANDY CONDENSER KITS WITH FREE METAL CABINETS

These handy steel cabinets may be obtained FREE by purchasing the fast-moving Tobe Replacement Condenser Kits. Offered in three useful assortments in convenient and substantial olive-green steel cabinets, 9⅜ x 4½ x 2 9/16". Cabinets may be fastened together as new kits are purchased. Handy for storage of resistors, screws, lugs, and other small parts as well as condensers. Convenient for filing purposes.

KIT NO. 1

Consists of the following Tobe Tubular Condensers in a steel cabinet: **600 Volt types:** 3—.001, 2—.002, 3—.005, 5—.01, 5—.02; **400 Volt types:** 5—.05, 5—.1, 3—.25, 3—.5.

B8522. WITH CABINET. NET..... $4.84

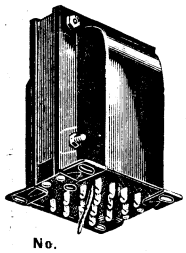
KIT NO. 3

Consists of the following filter section Tobe Tubidons in a steel cabinet: **5—8 mfd.,** 525 volt sections; **5—8 mfd.,** 200 volt sections; **2—16 mfd.,** 200 volt sections.

B8524. WITH CABINET. NET..... $4.56

Values in POWER TRANSFORMERS

LOW-COST PHILCO EXACT DUPLICATE POWER TRANSFORMERS

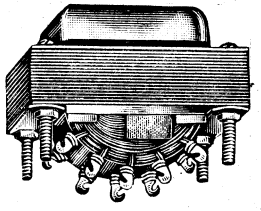


A newly developed line of high-quality exact duplicate Philco Replacement power transformers. These units are exactly identical to the originals in every electrical and physical characteristic. They were produced only after thorough examination of burned-out and otherwise defective original transformers. High quality at low prices.

No.	Models	NET
B11684	18	$3.59
B11685	20, 220	2.70
B11686	50, 51, 52, 551	2.07
B11687	65	2.50
B11688	70, 270, 370, 470, 570	2.45
B11689	76, 77	2.70
B11690	86	2.60
B11691	87	2.35
B11692	90 (1—47)	2.75
B11693	90 (2—47)	2.95
B11694	90 (2—45)	2.60
B11695	91	2.60
B11696	95, 96, 296	2.85
B11697	111, 112, 212, (45's)	3.10
B11698	112, 212, (47's)	3.10
B11699	511	2.19
B11680	16, 17 (Code 122)	3.10
B11681	14, 91 (Code 221-3)	2.70
B11682	16, 17 (Code 121)	2.70
B11683	21	2.85

Additional Exact Duplicate transformers for all sets are listed on Page 64. We can supply exact duplicate power transformers for all Philco sets, at correspondingly low prices. Write us for prices, or order, with deposit, giving model number and tube lineup of set.

KNIGHT HIGH-QUALITY POWER TRANSFORMERS



Splendid values in carefully designed and well-constructed compact power transformers. Only fine quality materials are used throughout. Conservatively rated for long-lived efficient service. Several types insure selection of proper transformer for practically all set requirements.

A TRANSFORMER FOR EVERY PURPOSE

Terminal arrangement provides for sub-panel wiring. It is not necessary to bring leads through chassis base. Easily installed as corner bolts furnish positive, solid mounting. Ideal for use in limited space. These transformers are a boon to the serviceman, providing low-cost, high-grade units for replacement purposes. Use them regularly for bigger profits.

FOR 2.5 VOLT TUBES

Popular transformers for Midget receivers and sets using the 2.5 volt series of tubes.

4 OR 5 TUBE SETS

For: 2—24, 27, or 3—56, 57; 1—45, 47; 1—80.
Primary: 115 V. at 50/60 cycles.
Sec.: 650 V. at 40 M.A.-C.T.
2.5 V. at 5.0 Amps.-C.T.
5.0. V. at 2.0 Amps
Mtg.: 2"x2½". Wt., 2 lbs.
B11675. YOUR PRICE..... **71c**

5 TO 7 TUBE SETS

For: 3—24, 27, or 5—56, 57; 1—45, 47; 1—80.
Primary: 115 V. at 50/60 cycles.
Sec.: 650 V. at 50 M.A.-C.T.
2.5 V. at 7.0 Amps.-C.T.
5.0 V. at 2.0 Amps.
Mtg.: 2"x2½". Wt., 2½ lbs.
B11676. YOUR PRICE **98c**

7 TO 10 TUBE SETS

For: 4—27, 24 or 7—56, 57, 58; 2—45, 47, 2A5; 1—80.
Primary: 115 V. at 50/60 cycles.
Sec.: 700 V. at 70 M.A.-C.T.
5 V. at 3 A.
2.5 V. at 3.5 A.-C.T.
2.5 V. at 7.5 A.
Mtg.: 2½"x3⅛". Wt., 4 lbs.
B11677. YOUR PRICE..... **$1.65**

FOR 6.3 VOLT TUBES

Really unusual buys in high-quality midget set transformers for the 6.3 volt series of tubes.

4 OR 5 TUBE SETS

For: 2 or 3—76, 78, 6D6, 6F7; 1—41, 42, 6F6; 1—80, 5Z4.
Primary: 115 V. at 50/60 cycles.
Sec.: 650 V. at 40 M.A.-C.T.
6.3 V. at 1.6 A.
5 V. at 2 A.
Mtg.: 2½"x2". Wt. 3 lbs.
B11678. YOUR PRICE..... **75c**

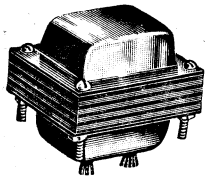
6 OR 7 TUBE SETS

For: 4 or 5—77, 78, 6D6; 1—41, 42, 6F6; 1—80, 5Z4.
Primary: 115 V. at 50/60 cycles.
Sec.: 700 V. at 50 M.A.-C.T.
6.3 V. at 2 A.-C.T.
5 V. at 2 A.
Mtg.: 2½"x2". Wt. 3 lbs.
B11679. YOUR PRICE **$1.05**

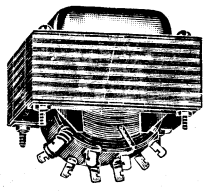
7 TO 11 TUBE SETS

For: 5 to 8—77, 6D6, 6A7, 6F7; 1 or 2—41, 42, 6F6; 1—80, 5Z4, 5Z3.
Primary: 115 V. at 50/60 cycles.
Sec.: 700 V. at 75 M.A.-C.T.
6.3 V. at 3.2 A.-C.T.
5 V. at 3 A.
Mtg.: 3⅛"x2½". Wt., 6 lbs.
B11674. YOUR PRICE **$1.32**

NEW UTAH POWER TRANSFORMERS



First quality low-cost genuine Utah replacement transformers. Ideal for either replacement purposes or for custom-built receivers. Overall shielded transformer types especially tend to reduce hum considerably. Carefully engineered and honestly rated for constant operation and maximum life. Terminals and leads are clearly marked for quick accurate connection. Units listed below are the most popularly demanded types.



FOR 6.3 VOLT TUBES

FOR 5 TO 6 TUBE SETS

HALF-SHELL TYPE

For: 3 or 4—76, 77, 78, 6C6, 6D6, 6J7, 6K7; 1—41, 42, 6F6; 1—80, 5Z4.
Primary: 115 V., 50/60 cycles.
Sec.: 650 V. at 40 M.A.-C.T.
6.3 V. at 1.6 Amps.
5.0 V. at 2 Amps.
Mtg.: 2½"x2". Shpg. wt., 4 lbs.
B11288. List, $1.75.
YOUR PRICE **$1.03**

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has coded leads instead of lugs.
B11289. List, $1.90.
YOUR PRICE **$1.12**

FOR 6 TO 8 TUBE SETS

HALF-SHELL TYPE

For: 5—76, 77, 78, 6C6, 6D6, 6J7, 6K7; 2—41, 42, 6F6; 1—80, 5Z4.
Primary: 115 V. at 50/60 cycles.
Sec.: 700 V. at 60 M.A.-C.T.
6.3 V. at 2.5 Amps.
5.0 V. at 2 Amps.
Mtg.: 2½"x2". Shpg. wt., 4 lbs.
B11290. List, $2.85.
YOUR PRICE **$1.68**

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has coded leads instead of lugs.
B11291. List, $3.00.
YOUR PRICE **$1.76**

FOR 7 TO 9 TUBE SETS

HALF-SHELL TYPE

For: 6—76, 77, 78, 6C6, 6D6, 6J7, 6K7; 2—41, 42, 6F6; 1—80, 5Z4.
Primary: 115 V. 50/60 cycles.
Sec.: 700 V. at 75 M.A.-C.T.
6.3 V. at 3.2 A.-C.T.
5.0 V. at 3 Amps.
Mtg.: 2 13/16"x2¼". Shpg. wt., 4½ lbs.
B11292.
List, $3.15. YOUR PRICE..... **$1.85**

FULLY SHIELDED TYPE

Same as above except fully shielded. Easily distinguished coded leads.
B11293.
List, $3.30. YOUR PRICE..... **$1.94**

FOR 11 TO 13 TUBE SETS

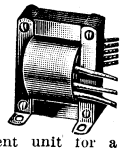
HALF-SHELL TYPE

For: 8—76, 77, 78, 6C6, 6D6, 6J7, 6K7; 1 or 2—41, 42, 6F6; 1—80, 5Z4.
Primary: 115 V. 50/60 cycles.
Sec.: 750 V. at 125 M.A.-C.T.
6.3 V. at 5 A.-C.T.
5.0 V. at 3 Amps.
Mtg.: 3⅛"x2½". Shpg. wt., 5 lbs.
B11294.
List, $3.75. YOUR PRICE..... **$2.20**

FULLY SHIELDED TYPE

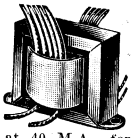
Same as above except fully shielded. Has coded leads instead of lugs.
B11295.
List, $3.90.
YOUR PRICE **$2.29**

AUTO RADIO VIBRATOR TRANSFORMER



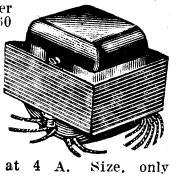
A newly developed compact transformer designed to meet the demand for a high-grade replacement transformer for auto radio vibrators. Designed to deliver 250 volts at 50 M.A. in conjunction with any standard vibrator. Upright type, 3⅛" high; mtg. centers, 2"x1¾". An excellent low-cost replacement unit for a rapidly growing phase of radio service work.
B11671. YOUR PRICE..... **$1.45**

TUBE TESTER PLATE AND FILAMENT TRANSFORMER



Ideal for use in "Build-your-own" test equipment. Also excellent for replacement purposes. Furnishes conventional filament voltages for tube testers: 1.5, 2.0, 2.5, 3.3, 5.0, 6.3, 7.5, 15, 25 and 30 Volts at 2.0 Amps. Also has high voltage winding to supply 250 Volts A.C. at 40 M.A., for plate voltage of tube under test. Size, 2 9/16" high, 4⅛" wide, 2¼" deep; with 3 9/16" mounting centers.
B11672.
List, $3.50. NET..... **$2.06**

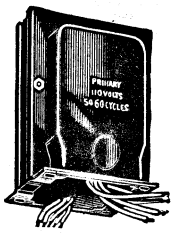
KNIGHT FIELD EXCITER POWER TRANSFORMER



This power transformer is designed to deliver 160 volts at 200 M.A. out of filter, with an 83 or 5Z3 rectifier tube. Will furnish full excitation for either one or two 1000 ohm speaker fields in parallel connection. Primary 115 volts 50/60 cycles. Sec. 200 volts at 225 M.A.—C.T. and 5 volts at 4 A. Size, only 2⅛x3⅛x3¾ inches.
B11673.
YOUR PRICE..... **$1.75**

THORDARSON UNIVERSAL POWER TRANSFORMERS

FULLY SHIELDED UPRIGHTS



A complete line of fully shielded transformers for every purpose. These units meet all requirements for transformers of this type. Only the finest materials are used in their manufacture. Electrically and mechanically sturdy in construction with every detail of their manufacture painstakingly handled. All listings are for 110 Volts 60 cycle operation. Other frequencies and voltages are available at extra cost. Please send deposit with order or write for price.

Transf.	DIMENSIONS H.	W.	D.	MTG. HOLES
T-70R78	4⅝"	3¾"	3¼"	2⅝x2½"
T-70R61	4⅝"	3¾"	3¼"	2⅝x2½"
T-56R02	4⅝"	3¾"	3¾"	2⅝x3"
T-56R01	4⅝"	3¾"	3¾"	2⅝x3"
T-56R04	5"	3¾"	3¾"	3x3⅛"
T-70R62	5"	3¾"	3⅞"	3¼x3⅛"
T-56R05	5"	3¾"	3¾"	3x3⅛"

4 OR 5 TUBES—6.3 VOLTS

Type T-70R78. For 2 or 3—76, 77, 78, 6C5, 6K7, 6F5; 1—42, 6F6; 1—80, 5Z4.
SEC.: 680 V., C.T. at 55 M.A.
6.3 V. at 1.5 A.-C.T.
5.0 V. at 2.0 A. Shpg. wt, 6 lbs.
B11016. List, $3.00. NET.... **$1.76**

6 TO 8 TUBES—6.3 VOLTS

Type T-70R61. For 5 or 6—76, 77, 78, 6C5, 6K7, 6F5; 1—42, 6F6; 1—80, 5Z4.
SEC.: 700 V., C.T. at 70 M.A.
6.3 V. at 2.5 A.-C.T.
5.0 V. at 2.0 A. Shpg. wt., 6½ lbs.
B11017. List, $4.00. NET.... **$2.35**

7 TO 11 TUBES—2.5 VOLTS

Type T-56R02. For 5—27, 24, or 9—56, 57; 1—47, 2A5; 1—80, 5Z4.
SEC.: 700 V., C.T. at 70 M.A.
2.5 V. at 9.0 A.-C.T.
2.5 V. at 1.5 A.-C.T.
5.0 V. at 2.0 A. Shpg. wt, 7 lbs
B11018. List, $4.25. NET.... **$2.50**

10 TUBES—1.5 VOLTS

Type T-56R01. For 5—26; 2—27; 2—71A; 1—80.
SEC.: 650 V., C.T at 70 M.A.
1.5 V. at 1.0 A.
1.5 V. at 4.0 A.
2.5 V. at 3.0 A.-C.T.
5.0 V. at 0.5 A.-C.T.
5.0 V. at 2.0 A.-C.T. Wt., 7 lbs.
B11019. List, $4.50. NET.... **$2.65**

8 TO 12 TUBES—2.5 VOLTS

Type T-56R04. For 5—24, 27, or 9—56, 57; 2—47, 2A5; 1—80, 83, 5Z3.
SEC.: 700 V., C.T. at 105 M.A.
2.5 V. at 12.0 A.-C.T.
5.0 V. at 3.0 A. Shpg. wt., 8 lbs.
B11020. List, $5.25. NET.... **$3.09**

11 TO 13 TUBES—6.3 VOLTS

Type T-70R62. For 8 to 10—76, 6C6, 6D6, 6C5, 6K7, 6F7; 2—42, 6F6; 1—80, 5Z3, 5Z4.
SEC.: 745 V., C.T. at 145 M.A.
6.3 V. at 4.5 A.-C.T.
5.0 V. at 3.0 A. Shpg. wt., 8 lbs.
B11021. List, $5.50. NET.... **$3.23**

10 TO 15 TUBES—2.5 VOLTS

Type T-56R05. For 7—24, 27, or 12—56, 57; 2—47, 2A5; 1—80, 83, 5Z3.
SEC.: 700 V., C.T. at 110 M.A.
2.5 V. at 9.0 A.-C.T.
2.5 V. at 3.0 A.-C.T.
2.5 V. at 3.0 A.-C.T.
5.0 V. at 3.0 A.-C.T. Wt., 9 lbs.
B11022. List, $5.75. NET.... **$3.38**

SPECIAL FREE OFFER

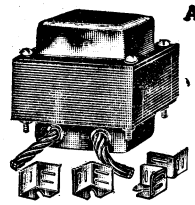


HANDY THORDARSON PROBING LIGHT

An invaluable new trouble light can be yours FREE. Plenty of light where you need it. Handy fountain-pen size. Operates from 110 volt line. No batteries. Ideal for the shop or service calls. Completely insulated. 5½" long with 6' cord.

B11003. Given FREE with orders for Thordarson units totalling $5.00 net or more, or sold separately at.... **88c**

NEW UNIVERSAL DUPLICATE TRANSFORMERS



ALL-PURPOSE TYPES

A radically new line of transformers designed to meet the requirements of every serviceman and set-builder. One type of case meets all mounting requirements using the special mounting brackets supplied. Priced for the experimenter's purse and the serviceman's profit. Long, flexible color-coded leads. Easy to make neat installations. Secondary combinations to meet the requirements of any set. Completely shielded electrostatically and magnetically. Designed for long service. Primaries for 110 Volts, 50-60 cycles.

Transf.	DIMENSIONS H.	W.	D.
T-13R01	3	2½	2 15/16
T-13R02	3	2½	2 15/16
T-13R03	3⅜	2 15/16	3 5/16
T-13R04	3¾	3⅛	3½
T-13R05	3¾	3⅛	3½
T-13R06	4½	3¾	3⅝
T-13R07	4½	3¾	3½
T-13R08	3¾	3½	3½
T-13R09	4½	3⅝	3 9/16

3 OR 4 TUBES—2.5 VOLTS

Type T-13R01. For 1—27, 24, or 2—56, 58; 1—45, 47; 1—80, 5Z3.
SEC.: 650 V., C.T. at 40 M.A.
2.5 V. C.T. at 4 A.
5.0 V. at 3 A.
B11223. List, $2.35. NET.... **$1.38**

5 TO 7 TUBES—2.5 VOLTS

Type T-13R02. For 3—27, 24, or 5—56, 57, 58; 1—45, 47; 1—80, 5Z3.
SEC.: 700 V., C.T. at 50 M.A.
2.5 V. C.T. at 7.25 A.
5.0 V. at 3.0 A.
B11224. List, $3.00. NET.... **$1.76**

6 TO 8 TUBES—2.5 VOLTS

Type T-13R03. For 3—27, 24, or 5—56, 57, 58; 2—45, 47; 1—80, 5Z3.
SEC.: 700 V. C.T. at 70 M.A.
2.5 V. C.T. at 9.0 A.
5.0 V. at 3.0 A.
B11225. List, $3.25. NET.... **$1.91**

8 TO 12 TUBES—2.5 VOLTS

Type T-13R04. For 5—27, 24 or 9—56, 58; 2—45, 47; 1—80, 5Z3.
SEC.: 700 V. C.T. at 90 M.A.
2.5 V. C.T. at 12.5 A.
5.0 V. at 3.0 A.
B11226. List, $4.00. NET.... **$2.35**

8 TO 12 TUBES—2.5 VOLTS

Type T-13R05. For 5—27, 24, or 9—56, 58; 2—45, 47; 1—80, 5Z3.
SEC.: 700 V. C.T. at 70 M.A.
2.5 V. C.T. at 9.0 A.
2.5 V. C.T. at 3.5 A.
5.0 V. at 3.0 A.
B11227. List, $4.00. NET.... **$2.35**

10 TO 15 TUBES—2.5 VOLTS

Type T-13R06. For 7—27, 24, or 12—56, 58; 2—45, 47; 1—80, 5Z3.
SEC.: 700 V. C.T. at 120 M.A.
2.5 V. C.T. at 12.5 A.
2.5 V. C.T. at 3.5 A.
5.0 V. at 3.0 A.
B11228. List, $5.00. NET.... **$2.94**

11 TO 18 TUBES—2.5 VOLTS

Type T-13R07. For 8—27, 24, or 15—56, 58; 2—45, 47; 1—80, 5Z3.
SEC.: 800 V. C.T. at 110 M.A.
2.5 V. C.T. at 15.0 A.
2.5 V. C.T. at 3.5 A.
5.0 V. at 3.0 A.
B11229. List, $5.00. NET.... **$2.94**

7 TO 13 TUBES—2.5 and 6.3 VOLTS

Type T-13R08. For 4 to 6—56, 58 and 2—42, 6F6, or 8 to 10—76, 6D6, 6J7, etc., and 2—45, 47, 2A5; 1—80, 5Z3.
SEC.: 700 V. C.T. at 90 M.A.
6.3 V. C.T. at 3.3 A.
2.5 V. C.T. at 6.0 A.
5.0 V. at 3.0 A.
B11330. List, $4.25. NET.... **$2.50**

8 TO 14 TUBES—2.5 and 6.3 VOLTS

Type T-13R09. For 3—24, 27 or 6—56, 58 and 4—42, 6F6, or 10—76, 6D6, 6J7, etc., and 3—45, 47, 2A5; 1—83, 5Z3.
SEC.: 750 V. C.T. at 180 M.A.
6.3 V. C.T. at 3.3 A.
2.5 V. C.T. at 6.0 A.
5.0 V. at 3.0 A.
B11331. List, $6.00. NET.... **$3.53**

REPLACEMENT ENCYCLOPEDIA



A brand new 32-page book that tells you what Thordarson transformer to use for replacement in almost any set. Enables you to service 99% of the sets listed in Rider's, with the 18 units listed below. They duplicate originals with minimum stock requirements and at the same time service more sets perfectly than will any other assortment. This book will show you all this and more. A real service necessity.

B11004. YOUR COST ONLY 15c or send for the Thordarson registration card and get it FREE by returning the card with your next order.

Transf.	DIMENSIONS H.	W.	D.
T-13R00	3⅜	2 15/16	3 5/16
T-13R11	3	2½	2 15/16
T-13R12	3	2½	3½
T-13R13	3¾	3⅛	3½
T-13R14	3¾	3⅛	3½
T-13R15	4½	3¾	3⅜
T-13R16	4½	3¾	3⅜
T-13R17	3⅜	2 15/16	3 5/16
T-13R18	3¾	3⅛	3½

9 TO 13 TUBES—2.5 and 5.0 VOLTS

Type T-13R00. For 6—24, 27, or 10—56, 58; 2—71A; 1—80, 5Z3.
SEC.: 550 V. C.T. at 70 M.A.
5.0 V. C.T. at 0.5 A.
2.5 V. C.T. at 10.5 A.; 5.0 V. at 3.0 A.
B11232. List, $3.50. NET.... **$2.06**

5 TUBES—6.3 VOLTS

Type T-13R11. For 3—36, 77, 6D6, 6C5; 1—42, 6F6, 41; 1—80, 5Z3.
SEC.: 650 V. C.T. at 40 M.A.
6.3 V. C.T. at 2.0 A.
5.0 V. at 3.0 A.
B11233. List, $2.50. NET.... **$1.47**

8 TUBES—6.3 VOLTS

Type T-13R12. For 6—36, 77, 6D6, 6F5; 1—42, 6F6, 41; 1—80, 5Z3.
SEC.: 700 V. C.T. at 70 M.A.
6.3 V. C.T. at 2.5 A.
5.0 V. at 3.0 A.
B11234. List, $3.00. NET.... **$1.76**

9 TUBES—6.3 VOLTS

Type T-13R13. For 6—36, 77, 6D6, 6F5; 2—42, 6F6, 38, 41; 1—80, 5Z3.
SEC.: 700 V. C.T. at 90 M.A.
6.3 V. C.T. at 3.5 A.
5.0 V. at 3.0 A.
B11250. List, $3.75. NET.... **$2.20**

13 TUBES—6.3 VOLTS

Type T-13R14. For 10—36, 77, 6D6, 6F5; 2—42, 6F6; 1—80, 5Z3.
SEC.: 700 V. C.T. at 120 M.A.
6.3 V. C.T. at 4.7 A.
5.0 V. at 3.0 A.
B11251. List, $4.25. NET.... **$2.50**

14 TO 18 TUBES—6.3 VOLTS

Type T-13R15. For 11 to 13—36, 77, 6D6, 6F5; 2—42, 6F6, or 4—38, 41; 1—80, 5Z3.
SEC.: 750 V. C.T. at 150 M.A.
6.3 V. C.T. at 5.0 A.
5.0 V. at 3.0 A.
B11252. List, $5.75. NET.... **$3.38**

14 TO 19 TUBES—6.3 VOLTS

Type T-13R16. For 10 to 14—36, 77, 6D6, 6F5; 3—42, 6F6, or 4—38, 41; 1—80, 5Z3.
SEC.: 800 V. C.T. at 200 M.A.
6.3 V. C.T. at 5.14 A.
5.0 V. at 3.0 A.
B11253. List, $6.50. NET.... **$3.82**

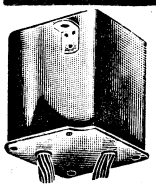
5 TO 10 TUBES—6.3 and 2.5 VOLTS

Type T-13R17. For 3—24, 27 or 6—56, 58 and 1—42, 6F6; or 6—76, 6D6, 6J7, 2—27 and 1—45, 47, 2A5; 1—80, 5Z3.
SEC.: 600 V. C.T. at 60 M.A.
6.3 V. C.T. at 2.5 A.
2.5 V. C.T. at 7.5 A.
5.0 V. at 3.0 A.
B11254. List, $3.50. NET.... **$2.06**

8 TO 14 TUBES—2.5 and/or 6.3 VOLTS

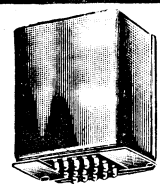
Type T-13R18. For 5—24, 27 or 9—56, 58 and 2—47, 2A5; or 9—56, 58, up to 6—76, 6D6, 6J7, and 2—42, 6F6; 1—80, 5Z3.
SEC.: 700 V. C.T. at 90 M.A.
6.3 and 2.5 V. at 3.5 A.
2.5 V. C.T. at 9.0 A.; 5.0 V. at 3.0 A.
B11255. List, $4.50. NET.... **$2.65**

STANCOR EXACT DUPLICATE POWER TRANSFORMERS



LOWER PRICES—BIGGER PROFITS

Precision-built transformers which conform exactly in every respect to original manufacturers' specifications of physical and electrical characteristics. Current ratings are conservative and assure proper operation and long life. Easily and quickly installed. No refitting, or redrilling is necessary. Through close contact with Stancor, we can supply Exact Duplicate Power Transformers for practically any set. Ask for **FREE** copy of the Stancor Exact Duplicate Power Transformer listings, with your next order.



Models	No.	NET
ATWATER KENT		
J. P.	B11501	$2.79
ATWATER KENT		
37, 37C, 38	B11502	3.15
55, 55C (late)	B11503	3.76
60 and 60C (early)	B11504	3.56
60 and 60C (late)	B11505	2.82
66 (Plate)	B11506	3.67
L1, L2, H1, H2, P, 70 series	B11507	3.41
82, 85	B11509	3.41
84	B11510	3.41
87, 89, 89P	B11511	3.70
BRUNSWICK		
14, 21, 31, 81, 82, S14, S21, S81 S82, S31	B11512	4.03
10	B11513	2.62
KR Series	B11515	3.18
3NC8, 5NC8	B11516	3.20
CLARION		
AC40	B11513	2.62
AC60	B11518	3.65
AC61, 70	B11519	3.47
AC80, 81, 84, 85, 120	B11520	2.50
AC90, 90A, 91	B11521	3.79
AC100	B11522	2.29
AC260	B11524	3.18
AC280	B11525	3.59
AC300	B11526	3.65
AC320	B11527	2.15
AC360	B11529	2.68
AC470, AC472	B11530	2.18
AC480	B11531	3.82
COLUMBIA RADIO		
AC5	B11532	2.59
AC7	B11533	2.73
SG8	B11534	5.14
SG9	B11535	4.50
CROSLEY		
40-S, 41-S, 42-S, 45-S, 82-S	B11536	3.18
41, 41A, 42, 704B, 706 Showbox	B11537	3.18
EDISON		
C4, R4, R5, JR, 8P	B11538	4.53
EVEREADY		
52, 53, 54	B11539	2.88
KNIGHT		
AC5	B11532	2.59
SG8	B11534	5.14
SG9	B11535	4.50
Superhet 7	B11542	2.68
Superhet 9	B11543	6.47
KENNEDY		
10, 20	B11544	3.65
MAJESTIC		
20, 21, 22, 23, (unmounted)	B11550	2.82
51, 52 (unmounted)	B11551	3.20
70 chassis (Plate)	B11552	2.88
70 & 70B chassis (Filament)	B11553	2.73
70B chassis (Plate)	B11554	2.97
90B & 100B chassis	B11555	2.73

Models	No.	NET
MAJESTIC (Continued)		
90 & 100 chassis	B11556	$4.06
130, 131, 132, 233	B11557	4.26
151, 153, 154, 155, 156 (unmounted)	B11558	2.09
180, 181 (Plate)	B11559	4.38
210, 211, 214, 215, (unmounted)	B11561	3.23
290, 291, 293, 294	B11563	4.12
340, 340B, 344	B11565	4.94
360, 363	B11566	4.70
PHILCO		
20, 220	B11567	3.41
50, 51, 52, 551	B11568	2.47
65	B11569	3.20
70, 270, 370, 470, 570	B11570	3.12
76, 77	B11571	3.56
87	B11573	3.53
95, 96, 296	B11578	3.82
511	B11581	3.35
18	B11582	3.59
RCA-RADIOLA-VICTOR		
AP736, AZ774B, 10-51, 10-69, 10-70 12-15	B11583	5.53
AP736B, 9-16X	B11584	5.50
R64, R67, 9-18X, 9-54, AP-777C	B11585	10.58
R32, R52, E35, E135, E152, RE45, RE75, RE154, RE156	B11586	4.00
R4, R6	B11587	2.82
R7, R9	B11589	2.85
R7A	B11590	2.97
R8, R10, R12, RE19	B11591	2.94
R11, R21, RAE26, RE18, RE18A	B11592	3.29
R14, R15, R42, R48, RE17	B11593	3.88
R17, R18AC, R33AC, R51AC, R50, 7-11, 7-25, 7-26X	B11515	3.18
R44, R46AC, R47	B11594	3.50
R60, R62	B11516	3.20
R66	B11595	3.82
R80, R82, R86	B11596	3.47
SPARTON		
AC7, 62, 63	B11600	2.47
9A, 410, 600 Series	B11601	3.76
89A	B11603	3.18
99, 109	B11604	4.29
103, 301, 301A, 564 570, 574, 578, 740, 750	B11605	4.79
589	B11606	3.85
591, 593, 931	B11607	3.79
U. S. RADIO & TEL.		
8 (series)	B11610	3.18
9, 19	B11611	3.38
10 (series)	B11612	3.56
36, 37 (Apex)	B11613	4.94
7 (series)	B11614	3.09
26 series Gloritone	B11616	2.29
26P series Gloritone	B11617	2.29
32	B11618	2.97

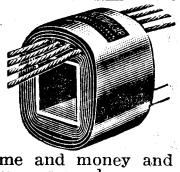
EXACT DUPLICATE VIBRATOR TRANSFORMERS



For replacing defective vibrator transformers in either home or auto radio sets operating from 6 volt storage batteries or other low-voltage D.C. supply. Conform exactly to the manufacturer's originals both in electrical and physical characteristics. Carefully designed to provide long efficient service.

Models	No.	NET
MOTOROLA		
34	B11210	$2.35
35, 45	B11211	1.76
50	B11212	1.41
60	B11213	1.76
65	B11214	1.76
80	B11215	1.76
Golden Voice	B11216	2.12
PHILCO		
805, 806, 809	B11217	1.94
816	B11218	1.76
817, 818, 819, 819H	B11219	1.94
RCA-VICTOR		
M101, M104, M108	B11220	1.41
M109	B11221	1.76
5M, 6M, 6M2, 67M, 67M1, 67M2, 67M3	B11222	2.47
ZENITH		
7 Jr.	B11245	1.94
5M90, 663, 664	B11246	1.41
6M92	B11247	1.59
7M91D, 7M91S	B11248	1.94
666, 668	B11249	1.41

STANCOR REPLACEMENT TRANSFORMER COILS



Repair those hard-to-get power transformers with the exact duplicate coils listed below. Save time and money and make the old transformer as good as new.

BOSCH		
48	B11620	$1.76
58, 60	B11621	1.76
CROSLEY		
124	B11622	1.32
130	B11623	1.47
158	B11624	1.03
HOWARD		
Green Diamond (45's)	B11625	1.76
Green Diamond (71A's)	B11626	1.62
MAJESTIC		
210, 211, 214, 215	B11627	1.76
44, 49, 194, 440	B11628	.73
460, 461, 463	B11629	1.18
Treasure Chest	B11630	1.94
STEWART-WARNER		
102A, 202A	B11631	1.47

ATWATER-KENT POWER PACK

FOR MODELS 40, 42, ETC.

An exact duplicate power pack that will replace defective originals with minimum fuss and trouble. For A. K. 40, 40F, 42, 42F, 44, 44F, 45, 52, 56, 57.

B7102. NET $8.85

POWER TRANSFORMERS REBUILT LIKE NEW

SERVICE YOU WILL LIKE

We will rebuild for you any defective power transformer, to exact original specifications. Rewinding is expertly done, quickly and economically. We use the original case and laminations. You will find this service invaluable where exact duplicate transformers are no longer obtainable or hard to get. See the table at right for attractive prices. If your type of power transformer is not listed, write for quotation, stating name and model number of receiver, tube line-up, and other available data. We can help you increase your profits and good-will with neat, efficient transformer repair jobs.

WE PAY RETURN POSTAGE

DEALER'S PRICE LIST

SETS UP TO	POWER TUBES	YOUR PRICE
8 Tubes	1—71A	$2.95
8 Tubes	2—71A	3.95
8 Tubes	1—45, or 47	3.95
9 Tubes	2—45, or 47	4.65
10 Tubes	1—50, or '10	5.25
10 Tubes	2—50, or '10	6.50

FOR SETS EQUIPPED WITH CARDON OR KELLOGG TUBES

Up to 9 Tubes. 2—82B Power Tubes.. **$4.35**
Up to 11 Tubes. 2—50 Power Tubes.. **7.10**

Prices quoted above are for rebuilding transformers not mounted in wax or pitch. **Add $1.00 to price if in wax or pitch.**
For 25 cycle transformers, add $1.50.

SHIPPING INSTRUCTIONS

For speedy and efficient service, please follow these suggestions.

1. Send in the old transformer by prepaid express or parcel post. Be sure your name and address appear clearly on the package.

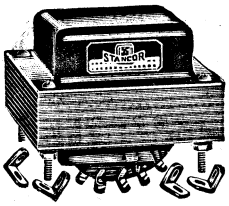
2. Send your order in at the same time by first class mail in the usual way, either paid in full or with a 20% deposit. At the same time, you may include your order for other items as desired.

3. Be sure to specify on your order the make and model number of the set, giving the exact tube line-up. Also, be sure to state line volts, and whether 25 or 60 cycle.

We return rebuilt transformers postpaid anywhere in the United States. Take advantage of this additional big saving for added profits.

STANCOR TRANSFORMERS

UNIVERSAL HALF-SHELL POWER TRANSFORMERS



The ideal line for the serviceman; permits servicing the greatest number of sets with a minimum stock of transformers. Universal mounting brackets permit flush, vertical or horizontal mounting, or any position desired.

COMBINATION FILAMENT FOR 6.3 OR 2.5 VOLT TUBES

Adaptable for replacement work in any radio set using either 2.5 or 6.3 volt tubes. Makes it unnecessary to stock two different types of units; one stock will handle every type of repair job. Have accurate voltage ratings; secondary windings are conservatively rated for long life. For 110-120 volts, 50-60 cycles A.C.

4 OR 5 TUBES

Type P4070. Sec.: 650 V. at 40 M.A.-C.T.
5 V. at 2 Amps.
2.5 V. at 5.25 Amps. C.T.
or 6.3 V. at 2 Amps.
Mtg. area 2½"x3".
B11280. List, $3.45. NET... **$2.03**

5 OR 6 TUBES

Type P4071. Sec.: 700 V. at 50 M.A.-C.T.
5 V. at 2 Amps.
2.5 V. at 7.25 Amps. C.T.
or 6.3 V. at 2.6 Amps.
Mtg. area 2 13/16"x3⅜".
B11281. List, $3.70. NET... **$2.18**

6 OR 7 TUBES

Type P4072. Sec.: 700 V. at 70 M.A.-C.T.
5 V. at 3 Amps.
2.5 V. at 9 Amps. C.T.
or 6.3 V. at 3 Amps.
Mtg. area 3⅛"x3¾".
B11282. List, $4.30. NET... **$2.53**

8 OR 9 TUBES

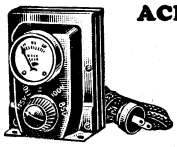
Type P4073. Sec.: 700 V. at 90 M.A.-C.T.
5 V. at 3 Amps.
2.5 V. at 10 Amps. C.T.
or 6.3 V. at 3.5 Amps.
Mtg. area 3 7/16"x4¼".
B11283. List, $5.00. NET... **$3.12**

10 TO 12 TUBES

Type P4074. Sec.: 700 V. at 110 M.A.-C.T.
5 V. at 3 Amps.
2.5 V. at 14 Amps. C.T.
or 6.3 V. at 4.5 Amps.
Mtg. area 3¾"x4½".
B11284. List, $5.70. NET... **$3.35**

11 TO 14 TUBES

Type P4075. Sec.: 800 V. at 160 M.A.-C.T.
5 V. at 3 Amps.
2.5 V. at 14 Amps. C.T.
or 6.3 V. at 4.5 Amps.
Mtg. area 3¾"x4½".
B11285. List, $6.50. NET... **$3.82**



ACME VARIABLE VOLTAGE ADJUSTER

Maintains proper operating voltage under varying line conditions. Allows step-up or step-down action. Primary tapped 85-100-115-130-145 volts; sec. 115 volts. With voltmeter and 8 ft. cord and plug. For 50-60 cycle, A.C.

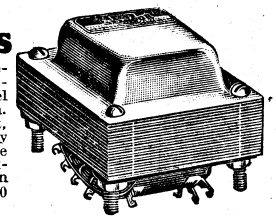
B11266. Capacity 150 Watts. Shpg. wt., 7 lbs. YOUR PRICE. **$ 7.06**
B11268. Capacity 350 Watts. Shpg. wt., 11 lbs. YOUR PRICE. **11.76**
B11269. Capacity 500 Watts. Shpg. wt., 14 lbs. YOUR PRICE. **12.94**

FOR 160-180-200-220-240 VOLTS

For line voltage correction on power lines of from 160 to 240 volts, 50-60 cycles A.C. Sec. 115 volts.

B11267. Capacity 150 Watts. Shpg. wt., 9 lbs. YOUR PRICE. **$ 7.35**
B11270. Capacity 350 Watts. Shpg. wt., 16 lbs. YOUR PRICE. **12.64**
B11271. Capacity 500 Watts. Shpg. wt., 19 lbs. YOUR PRICE. **14.41**

STANCOR HALF-SHELL REPLACEMENT TRANSFORMERS



A complete line of high-grade compact power transformers, designed to meet all requirements for superior flush-mounting replacements. Ideal for replacement purposes in midget and mantel type receivers; also useful in amplifier and receiver construction. Made of the best quality materials; superior design and neat, workmanlike appearance make them unusual values. Uniformly wound coils and generous insulation assure long, trouble-free performance. Ample safety factor allows momentary high peak-current drains without seriously taxing transformer. Available in eight popular sizes, for use with 2.5 or 6.3 volt tubes. For 110 Volt 60 cycle A.C. operation.

4 OR 5 TUBES—2.5 VOLTS

Type P2770. For 2 or 3—57, 58, 56; 1—47, 2A5; 1—80.
Sec.: 650 V. at 40 M.A.-C.T.
5 V. at 2 A.; 2.5 V. at 4.5 A.-C.T.
Mtg. area 2½"x3".
B11235. List, $2.25. NET **$1.32**

5 TO 7 TUBES—2.5 VOLTS

Type P2869. For 3—24, 27 or 5—56, 57, 58; 1—47, 2A5; 1—80, 5Z3.
Sec.: 700 V. at 50 M.A.-C.T.
5 V. at 2 A.; 2.5 V. at 1.75 A.-C.T.
2.5 V. at 5.25 A.
Mtg. area 2 13/16"x3¾".
B11236. List, $3.15. NET... **$1.85**

7 TO 10 TUBES—2.5 VOLTS

Type P2859. For 4—24, 35, 27 or 7—56, 57, 58; 2—45, 47, 2A5; 1—80, 5Z3.
Sec.: 700 V. at 70 M.A.-C.T.
5 V. at 3 A.; 2.5 V. at 3.5 A.-C.T.
2.5 V. at 7.5 A.
Mtg. area 3⅛"x3¾".
B11237. List, $3.45. NET... **$2.03**

8 TO 12 TUBES—2.5 VOLTS

Type P2860. For 5—24, 27, 35 or 9—56, 57, 58; 2—45, 47, 2A5; 1—80, 5Z3.
Sec.: 700 V. at 90 M.A.-C.T.
5 V. at 3 A.; 2.5 V. at 3.5 A.-C.T.
2.5 V. at 9 A.
Mtg. area 3 7/16"x4⅛".
B11238. List, $4.00. NET... **$2.35**

4 TUBES—6.3 VOLTS

Type P2751. For 2—37, 76, 77, 78, 6C6, 6D6, 6J7, 6K7; 1—41, 42, 6F6; 1—80, 5Z4.
Sec.: 650 V. at 40 M.A.-C.T.
5 V. at 2 A.; 6.3 V. at 1.6 A.-C.T.
Mtg. area 2⅛"x3".
B11239. List, $1.95. NET **$1.15**

4 OR 5 TUBES—6.3 VOLTS

Type P2771. For 2 or 3—77, 78, 6C6, 6D6, 6J7, 6K7; 1—41, 42, 6F6; 1—80, 5Z4.
Sec.: 650 V. at 40 M.A.-C.T.
5 V. at 2 A.; 6.3 V. at 2 A.-C.T.
Mtg. area 2½"x3".
B11241. List, $2.25. NET... **$1.32**

5 OR 6 TUBES—6.3 VOLTS

Type P948. For 3 or 4—77, 6C6, 6D6, 6A8, 6J7, 6K7, 6C5; 1—41, 42, 6F6; 1—80, 5Z3, 5Z4.
Sec.: 675 V. at 70 M.A.-C.T.
5 V. at 3 A.;
6.3 V. at 2.5 A.-C.T.
Mtg. area 3⅛"x3¾".
B11242. List, $3.60. NET... **$2.12**

7 TO 10 TUBES—6.3 VOLTS

Type P949. For 4 to 7—6C6, 6D6, 6J7, 6K7, 6C5; 2—41, 42, 6F6; 1—80, 5Z3, 5Z4.
Sec.: 700 V. at 120 M.A.-C.T.
5 V. at 3 A.; 6.3 V. at 3 A.-C.T.
Mtg. area 3 7/16"x4⅛".
B11243. List, $3.90. NET **$2.29**

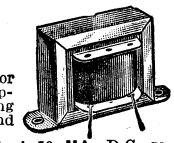


UNIVERSAL VIBRATOR TRANSFORMERS

For replacing defective vibrator transformers in auto or home receivers operating from 6 volt battery. Ruggedly built for long life; conservatively rated. A splendid Stancor unit which will give perfect service. Increasingly demanded for replacement use in 6 volt type sets.

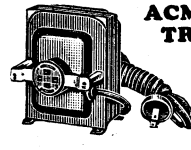
B11273. Output 225 volts at 40 M.A. YOUR PRICE..... **$1.47**
B11274. Output 250 volts at 50 M.A. YOUR PRICE..... **$1.76**
B11275. Output 260 volts at 65 M.A. YOUR PRICE..... **$2.06**
B11276. Output 285 volts at 75 M.A. YOUR PRICE..... **$2.35**

GENERAL PURPOSE CHOKES



High quality chokes for either filter or plate coupling use. Strap mounting type. Accurately rated and generously insulated.

B11257. 30 HENRY at 50 MA. D.C. resistance 550 ohms. 1⅝x3 5/16" mtg. area. Wt., 2 lbs. List, $1.25. NET **73c**
B11258. 30 HENRY at 75 MA. D.C. resistance, 400 ohms. 1⅞x3 11/16" mtg. area. Wt., 2 lbs. List, $1.55. NET **91c**
B11259. 30 HENRY at 110 MA. D.C. resistance, 200 ohms. 2x4 1/16" mtg. area. Wt., 3 lbs. List, $1.85. NET **$1.09**
B11260. 50 HENRY at 15 MA. D.C. resistance, 750 ohms. 1½x2 13/16", Wt., 1½ lbs. List, $1.00. NET..... **59c**

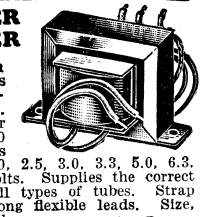


ACME STEP-DOWN TRANSFORMER

Will reduce line voltage of 220-240 volts, 50-60 cycles to 110-120 volts for operation of radio sets, amplifiers, appliances, etc. Will safely handle any device consuming up to 200 watts. Supplied with 8 foot cord, plug, and output receptacle. Small, compact, and well-built. Has mounting brackets attached. Wt., 8 lbs.

B11265. List, $10.00. YOUR PRICE..... **$3.95**

TUBE CHECKER TRANSFORMER



For replacement in standard tube testers or for use in modernizing old style units. Primary is tapped for 105, 115, 125 volts, 60 cycles. Secondary is tapped at 1.1, 1.5, 2.0, 2.5, 3.0, 3.3, 5.0, 6.3, 7.5, 12, 25 and 30 volts. Supplies the correct filament voltage for all types of tubes. Strap mounting type with long flexible leads. Size, 2⅝x2x4 1/16". Wt., 3 lbs.
B11256. List, $3.20. NET **$1.88**

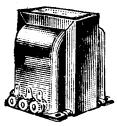
KENYON 913 OSCILLOSCOPE TRANSFORMER

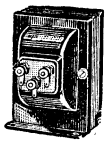


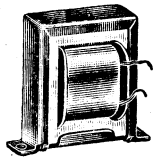
Type T-207. An ideal power transformer for the construction of an inexpensive oscilloscope using the new 913 cathode-ray tube. Has two high voltage secondaries: 180 volts at 6 MA.; 375 volts tapped at 275 volts at 10 MA.; 6.3 volts at 6 amps., for rectifier, 6.3 volts at 1 amp., for 913 heater, 2.5 volts at 1.5 amps., for type 885 tube. For 115 volts, 50-60 cycles. Fully enclosed case with lug terminals. May be mounted upright for top connections or reversed for sub-panel wiring. Mounting centers, 2 7/16x2 5/16". Overall size, 3⅛x2 9/16x3⅝".
B11278. List, $4.00. YOUR PRICE..... **$2.35**

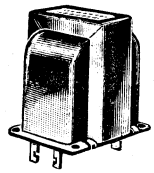
THORDARSON AMPLIFIER & LINE COUPLING TRANSFORMERS

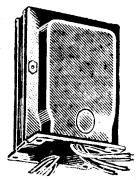
LATEST COUPLING TRANSFORMERS


FIG. 2-A


FIG. 2-D


FIG. 2-B


FIG. 2-F


FIG. 2-G

The latest Thordarson high quality transformers, designed for practically every input, output, mixer or line purpose. A transformer for almost any need will be found in the listing below. All units have been carefully designed, and are **precision-built.**

TUBE TO LINE (LOW LEVEL)

Cat. No.	Type	Fig.	Primary	Secondary	List	NET
B11041	T55A15	2-F	56, 37, 27, 864, 30, etc.	200 or 50 Ohms.	$2.25	$1.32
B11042	T62A26	2-F	56, 37, 27, 864, 30, etc.	500 or 125 Ohms.	2.25	1.32
B11043	T72A11	2-F	P. P. 56, 37, 27, 864, etc.	500 or 125 Ohms.	2.50	1.47
B11044	T75A73	2-F	P. P. 56, 37, 27, 864, etc.	200 or 50 Ohms.	2.50	1.47

MIXER OR LINE TO TUBE

B11045	T55A16	2-F	200 or 50 Ohms.	Single or PP Grids.	$2.75	$1.62
B11046	T63A72	2-F	50, 100, 150 or 200 Ohms.	Single Grid.	3.50	2.06
B11047	T63A71	2-F	200, 400, 600 or 800 Ohms.	Single Grid.	3.50	2.06
B11048	T61A94	2-F	500 or 125 Ohms.	Single or PP Grids.	3.25	1.91

MIXER OR LINE TO LINE

B11050	T61A96	2-F	500 or 125 Ohms.	200 or 50 Ohms.	$3.50	$2.06
B11051	T63A74	2-F	5000 or 2000 Ohms.	200 or 50 Ohms.	2.50	1.47

MICROPHONE COUPLING TRANSFORMERS

B11052	T63A73	2-F	D.B. Mike 200-0-200 Ohms.	200 or 50 Ohms.	$3.25	$1.91
B11054	T70A83	2-F	Crystal Mike.	200 or 50 Ohms.	3.50	2.06
B11055	T65A73	2-F	D.B. Mike 200-0-200 Ohms.	Single Grid.	2.75	1.62
B11056	T58A37	2-F	D.B. Mike 200-0-200 Ohms.	Single Grid.	2.25	1.32
B11057	T30A20	2-A	D.B. Mike 200-0-200 Ohms.	Single Grid.	3.00	1.76
B11058	T23A57	2-A	Single Button Microphone 200 Ohms.	Single Grid.	2.25	1.32

OUTPUT COUPLING TRANSFORMERS

B11060	T61S25	2-B	Universal, 2A3, 2A5, 45, 47, 50, etc.	500 Ohms.	$3.50	$2.06
B11061	T61S26	2-B	Universal, PP2A3, 2A5, 45, 47, 50, etc.	500 Ohms.	3.50	2.06
B11062	T57S01	2-B	Universal, Single or PP output tubes.	1 to 29 Ohms.	2.00	1.18
B11063	T67S54	2-F	PP2A3 or 45 Class "AB".	4, 8, 15 or 500 Ohms	4.00	2.35
B11064	T67S48	2-F	PP45 Class "A" or 1-53 Class "B".	4, 8, 15 or 500 Ohms	3.50	2.06
B11065	T67S52	2-F	2-53 PP parallel Class "B" or 2-46 or 59 Class "B" or 2-6F6 Class "AB".	4, 8, 15 or 500 Ohms	4.00	2.35
B11066	T67S92	2-F	4-2A3 or 45 PP parallel Class "AB".	4, 8, 15 or 500 Ohms	4.00	2.35
B11067	T67S53	2-G	4-46 or 59 PP parallel Class "B".	4, 8, 15 or 500 Ohms	6.50	3.82
B11070	T67S51	2-F	PP Pentodes, 79 Class "B," or 2-10 Class "A".	4, 8, 15 or 500 Ohms	3.50	2.06
B11071	T65S94	2-F	PP50 Class "A," 2A5 or 42 Class "AB," or 2-79 Class "B".	4, 8, 15 or 500 Ohms	4.00	2.35
B11072	T75S75	2-F	PP6B5, 2B6, 6A6, 6N7, 6F6.	4, 8, 15 or 500 Ohms	4.00	2.35
B11073	T84S58	2-G	PP6L6 Class "AB2".	4, 8, 15 or 500 Ohms	6.00	3.53
B11068	T89S75	2-F	PP6L6 Class "AB1".	4, 8, 15 or 500 Ohms	4.00	2.35
B11069	T89S74	2-F	PP6L6 Class "A".	4, 8, 15 or 500 Ohms	3.75	2.20
B11049	T89S68	2-G	PP Par. 6L6 Class "AB".	50-125-200-250-333-500 Ohms	6.00	3.53
B11074	T67S60	2-F	1-19 or PP30, 49 Class "B".	4, 8 or 2000 Ohms.	2.50	1.47

LINE TO SPEAKER

B11075	T60S48	2-G	500 Ohms.	Universal Voice Coils.	$3.00	$1.76
B11076	T53S81	2-D	500 or 250 Ohms.	4, 8 or 15 Ohms.	4.50	2.65

CLASS "B" AND "AB" INPUTS

B11078	T67D50	2-F	1-89 Class "A".	1-79 or 53 Class "B"	$2.75	$1.62
B11079	T67D89	2-F	1-89 Class "A".	2-79 parallel Class "B".	3.25	1.91
B11080	T67D47	2-F	1-53 (plates in parallel).	1-53 Class "B".	2.75	1.62
B11081	T67D78	2-F	1-46 or 59 Class "A".	2-46 or 59 Class "B"	3.50	2.06
B11082	T66D98	2-D	2-46 or 59 PP Class "A".	4-46 or 59 push-pull parallel Class "B"	5.25	3.09
B11083	T65D78	2-F	1-2A5 or 42 Triode.	PP 2A5's or 42's Class "AB".	4.00	2.35
B11084	T72D01	2-F	PP 56's, etc.	PP 45's Class "AB"	3.75	2.20
B11085	T81D42	2-F	6F6 Triode.	PP 6F6 Class "AB"	3.50	2.06
B11086	T84D59	2-F	PP 6C5, 37, 76, etc.	PP 6L6 Class "AB"	3.50	2.06

MODULATION TRANSFORMERS

B11087	T64M26	2-D	2-46 or 59 Class "B" or 2-250 Class "AB".	5,000 or 10,000 Ohms (100 MA).	$6.00	$3.53
B11089	T67M59	2-F	1-53, 6A6, RK34 Class "B".	3,000 Ohms (100 MA).	3.00	1.76

TRANSCEIVER AUDIOS

B11090	T54D63	2-F	1-30 or 49 Class "A".	1-19 or 2-49's Class "B".	$2.50	$1.47
B11091	T67M69	2-F	1-19 Class "B".	2,700 Ohms (50MA)	2.75	1.62
B11074	T67S60	2-F	1-19 or PP30 Class "B".	4, 8 or 2000 Ohms.	2.50	1.47
B11093	T68S06	2-F	Single Pentode.	10 or 2000 Ohms.	2.50	1.47
B11094	T72S58	2-B	Single Pentode.	High or Low Impedance Phones.	1.65	.97
B11095	T72A59	2-B	Single Plate and Single Button Microphone.	Single Grid.	1.65	.97

TRANSFORMERS FOR NEW 6L6 TUBES

B11100. T84P60. Plate Transformer. Fig. 2-G. Specially designed to supply plate and screen voltages to 6L6's. Primary, 115 volts, 60 cycle; secondary 400 volts, 250 M.A., and 300 volts, 50 M.A. With bias tap at 30 volts. 5x3¾x4¾". Shpg. wt., 14 lbs.
NET **$4.56**

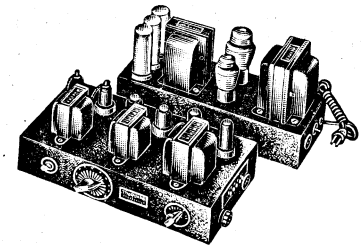
B11073. T84S58. Output Transformer. Fig. 2-G. For coupling push-pull Class AB 6L6's to 4, 8 or 15 ohm voice coil or 500 ohm line. Measures 3⅞x3⅜x3¾". Shpg. wt., 8 lbs.
NET **$3.53**

B11086. T84D59. Driver Transformer. Fig. 2-F. For coupling PP 6C5's, 76's, etc., to PP 6L6's Class AB. Ratio of primary to ½ secondary is 5 to 1. Split secondary type. Measures 3x2½x2½". Shpg. wt., 3 lbs.
NET **$2.06**

B11103. T84M70. Modulation Transformer. Fig. 2-D. For coupling PP 6L6's Class AB to 2500 ohm modulation load at 250 M.A., 5000 ohms at 200 M.A. or 7500 ohms at 150 M.A. Measures 6¼x4⅜x5½". Shpg. wt., 15 lbs.
NET **$5.88**

B11104. T79F84. Filament Transformer. Fig. 2-G. Primary winding for 115 Volts 60 cycle A.C., has secondaries for 6.3 Volts, 3 Amp. C.T.; 5 Volts, 3 Amp.; and 2½ Volts, 3½ Amp. C.T. 4⅝x3⅜x3¾". Shpg. wt., 6 lbs.
NET **$2.79**

18 WATT AMPLIFIER KIT



Build your own high-quality high-gain amplifier around this new, superior Thordarson 18 Watt Class AB circuit. Complete kit offered below has all components matched. Easy to build, superior in operation. Universal input for any microphone; field supply for 1 to 4 speakers; built-in pre-amplifier; built-in microphone current supply, etc. Uses 2—6J7, 2—6C5, 2—6F6 Class AB, 1-82 and 1-83. Will deliver full 18 watts with unexcelled tone quality.

FOUNDATION UNIT T75K18-M

Consists of separate amplifier and power supply bases, with sockets mounted and all other necessary holes drilled; also includes 1-sub-assembly base; 4-resistor mounting strips; input and output terminal strips, and complete diagrams and instructions.
B11118. YOUR PRICE **$3.53**

No.	Type	Description	NET
B11111	T74R28	Power Transf.	$3.82
B11112	T74C29	Power Choke	2.20
B11113	T74C30	Filter Choke	.88
B11114	T74A31	Input Impedance	2.06
B11115	T74D32	P.P. Input	2.06
B11116	T18C92	Choke	1.03
B11110	T53C19	Choke	.88
B11117	T75C49	Choke	.88
B11072	T75S75	Output Transf.	2.35

COMPLETE ESSENTIAL KIT

B11119. Consists of all necessary transformers and chokes (as listed above) for building the Thordarson T75K18-M 18 Watt High Gain Metal Tube Amplifier.
YOUR PRICE **$16.16**

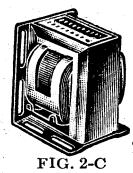
COMPLETE PARTS KIT

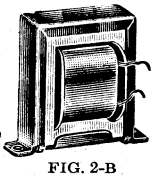
B11120. All resistors, volume and tone controls, condensers, switches, dial plates, hardware, etc., required for completing the Thordarson 18 Watt Amplifier. Does not include above Essentials Kit, Foundation Unit, Tubes or Speaker. SEND FOR DETAILED FREE PARTS LIST AND DESCRIPTION.
YOUR PRICE **$12.25**

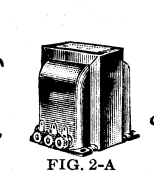
THORDARSON SOUND MANUAL

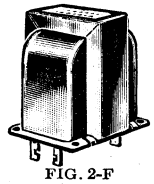
New edition. Contains valuable information on the new metal and glass tube power circuits. Covers pre-amplifiers, mixers, etc.
B11001. NET **9c**

AUDIOS · OUTPUTS · CHOKES


FIG. 2-C


FIG. 2-B


FIG. 2-A


FIG. 2-F

THORDARSON TRANSFORMERS

Dependable audio units assuring good reproduction at attractive low prices. Universally adaptable for service replacement work.

STRAIGHT AUDIO TRANSFORMERS

Cat. No.	Type	Fig.	Ratio	Size	List	NET
B11121	T47A25	2-C	3:1	2⅜x2x1⅝	$1.75	$1.03
B11122	T29A99	2-B	3:1	2⅜x2x2	1.75	1.03
B11123	T57A36	2-F	3:1	2⅜x2x2⅛	2.00	1.18
B11124	T57A37	2-B	3:1	3x2½x2	2.50	1.47
B11125	T57A38	2-F	3:1	3x2¼x2½	2.75	1.62
B11126	T29A56	2-A	3:1	3x2½x2½	3.00	1.76
B11127	T75A74*	2-F	2:1	2⅜x2x2⅛	2.50	1.47

*Has static shield between primary and secondary.

PUSH-PULL INPUTS

B11128	T14A29	2-C	3:1	2½x2⅛x1⅞	$2.25	$1.32
B11129	T33A91	2-B	3:1	2⅜x2x2	2.00	1.18
B11130	T57A39	2-F	3:1	2⅜x2x2⅛	2.25	1.32
B11131	T57A40	2-B	3:1	3x2½x2	2.75	1.62
B11132	T57A41	2-F	3:1	3x2¼x2½	3.00	1.76
B11133	T57A42*	2-B	3:1	3x2½x2	3.25	1.91
B11134	T57A43*	2-F	3:1	3x2¼x2½	3.50	2.06
B11135	T43A04	2-A	3:1	3x2½x2½	3.25	1.91

*Specially designed primary for power detector.

PUSH-PULL INTERSTAGE

Cat. No.	Type	Fig.	Ratio	Size	List	NET
B11137	T58A70*	2-F	1.5:1	3x2½x2½	$3.25	$1.91
B11138	T67A91*	2-B	1.5:1	3x2½x2½	3.00	1.76

*May be used in Class "AB" Amplifiers where some grid current flows.

OUTPUT TRANSFORMERS

FOR .1 TO 29 OHM VOICE COILS

Cat. No.	Type	Fig.	Primary	Size	List	NET
B11062	T57S01	2-B	Universal for single or P. P. Tubes..	2⅜x2x2	$2.00	$1.18

FOR 6 TO 12 OHM VOICE COILS

B11140	T33S99	2-B	PP45, etc.....	2⅜x2x2	$1.50	$0.88

FOR 4, 8, 15 OHM VOICE COIL AND 500 OHM LINE

B11064	T67S48	2-F	PP45, Class "A", or 1-53, "B"	3x2½x2½	$3.50	$2.06
B11063	T67S54	2-F	PP2A3, "AB"	3½x2⅞x3	4.00	2.35
B11065	T67S52	2-F	2-53's PP parallel Class "B," or 2-46 or 59 "B"	3½x2⅞x3	4.00	2.35

PUSH-PULL OUTPUT CHOKES

Cat. No.	Type	Fig.	MA	Henries	Size	List	NET
B11144	T14C30	2-C	40	265	2½x2⅛x1½	$2.00	$1.18

PLATE COUPLING CHOKES

B11145	T29C27	2-B	.5*	1080	2x2¾x1½	$1.50	$0.88
B11146	T52C98	2-F	.5*	1080	2¾x2x1⅞	1.75	1.03
B11147	T37C36	2-F	5.	510	2¾x2x2½	2.25	1.32
B11148	T67C46	2-B	5.	510	2¾x2x2	2.00	1.18
B11143	T68C08	2-F	35	22	2¾x2x2½	2.00	1.18

*For use as plate inductance with S. G. tubes. Max. Cap. 8 ma.

FILTER CHOKES

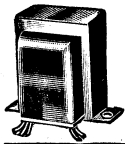
Cat. No.	Type	Fig.	Hys.	MA	Ohms	Size	List	NET
B11116	T18C92	2-B	22	35	405	2x2¾x2¼	$1.75	$1.03
B11149	T47C07	2-B	12	75	290	2x2¾x2¼	1.75	1.03
B11150	T68C07	2-B	15	80	375	2x2¼x3	2.00	1.18
B11151	T57C53	2-B	9.5	110	200	2x2¼x3	2.00	1.18
B11152	T57C54	2-F	9.5	110	200	2x2¼x3	2.25	1.32
B11153	T17C00B	2-F	12	130	231	2⅞x3x3½	2.75	1.62
B11154	T17C00	2-B	12	130	231	3x3⅝x3⅞	3.00	1.76



KNIGHT AC-DC CHOKES

May be used in any 4 or 5 tube midget set. Semi-shielded type with black enameled channel frame. Horizontal mounting. 6" insulated leads. Size, 1⅝" high, 2 13/16" long, 1½" deep. Mtg. centers, 2 5/16".

No.	Ohms	NET	No.	Ohms	NET
B11635	200	$0.38	B11639	400	$0.38
B11636	250	.41	B11640	450	.37
B11637	300	.43	B11641	500	.37
B11638	350	.37	B11642	550	.38



SHIELDED MICROPHONE TRANSFORMERS

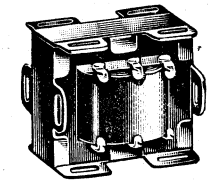
B6050. Single button coupling transformer. Turn ratio, 1 to 64; impedance ratio, 1 to 4000. For single button carbon mike to tube input. Fully shielded.

B6051. Two button type. To couple any double button carbon microphones to single grid. Turn ratio, 1 to 45; impedance ratio, 1 to 2000.

NET EACH **$1.32**

KNIGHT TRANSFORMERS

UNIVERSAL AUDIO



A compact, high quality audio transformer for use in any A.C. or battery set or amplifier. Has Universal mounting bracket. Ratio 3-1. Size, 2x2 1/16x2 5/16". Shpg. wt., 2 lbs.

B11644. YOUR PRICE..... **75c**

UNIVERSAL OUTPUT

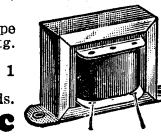
This transformer couples practically any power tubes, either single or push-pull, to any dynamic or magnetic speaker. Has Universal mounting bracket. Size, 2x2 1/16x2 5/16". With instructions. Shpg. wt., 2 lbs.

B11645. YOUR PRICE..... **75c**

UNIVERSAL PUSH-PULL INPUT

May be used to couple any single plate to any combination of single or push-pull tubes. Universal mounting bracket. Size, 2"x2 1/16"x 2 5/16". Shpg. wt., 2 lbs. **B11646.** YOUR PRICE..... **78c**

STANDARD AUDIOS



Ideally suited for replacement purposes. Open type construction as illustrated. 3¼x1⅞x1¾". Mtg. centers, 2¾". Shpg. wts., 2 lbs. each.

B11647. 3½-1. **Straight audio.** 1 plate to 1 grid.

B11648. 3-1. **P.P. Input.** 1 plate to 2 grids.

B11649. 3-1. **Push-pull interstage.** 2 plates to 2 grids. NET EACH..... **75c**

HEAVY-DUTY UNIVERSAL OUTPUT

A heavy-duty, unshielded output transformer for universal application. Will accurately match any single or push-pull output stage to any speaker voice coil. Strap mounting. Size, 2¾x2⅜x1".

B11005. YOUR PRICE..... **95c**

FILTER CHOKES

Open type construction, with leads. Size 1¾"x2"x2⅜".

B11650. 25 henries at 25 MA. 850 ohms DC resistance. YOUR PRICE **83c**

B11651. 25 henries at 60 MA. 325 ohms DC resistance. YOUR PRICE **65c**

B11652. 20 henries at 80 MA. 200 ohms DC resistance. YOUR PRICE **85c**

B11653. 20 henries at 150 M.A. 85 ohms DC resistance. YOUR PRICE **94c**

B11654. 750 henries at 5 MA. 3500 ohms DC resistance. Plate coupling choke for screen grid detector tube. Has high impedance at audio frequencies. YOUR PRICE..... **94c**

MICROPHONE TRANSFORMER

Suitable for single or double button microphone. Tapped primary. Open frame type. 1⅜"x1⅞"x3". Mtg. cent., 2½".

B11655. YOUR PRICE..... **68c**

SPECIAL AUDIO TRANSFORMERS

Real buys. Well-built and substantial. Open frames.

B11656. 3 to 1 audio. 1½"x1⅞"x3". Mtg. Cent., 2½". YOUR PRICE **78c**

B11657. Push-pull input. Open frame type. 1½"x1⅞"x2¾". Mtg. Centers, 2¼". YOUR PRICE..... **65c**

OUTPUT TRANSFORMERS

To feed into 8 to 15 ohm voice coil. Open frame.

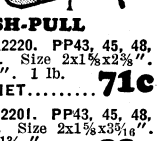
B11658. Single 45, 43, 48, 59, 71A. 1⅜"x2 7/16"x1 5/16". NET. **59c**

B11659. Single 47, 2A5, 49, 42, 33. Size, 1⅜"x2 7/16"x1 5/16". YOUR PRICE **65c**

B11660. Push-pull 45, 43, 48, 59, 71A. Size, 2"x1⅝"x2⅜". YOUR PRICE **69c**

B11661. Push-pull 47, 2A5, 49, 42, 33. 1⅜"x2 7/16"x1 5/16". YOUR PRICE..... **69c**

STANCOR OUTPUT TRANSFORMERS



These scientifically designed output transformers are substantially built, using only the highest quality materials. For operation direct from plates of either single or push-pull power tubes into 6 to 10 ohm voice coils of dynamic speakers.

SINGLE

B11663. A2203. 43, 45, 48, 59, 71A tubes. Size 2x1⅝x2⅜". Mtg. centers 2". 1 lb. List, $1.10. NET..... **65c**

B11664. A2200. 43, 45, 48, 59, 71A tubes. Size 2x1⅝x3 5/16". Mtg. centers 2 13/16". List, $1.40. NET..... **82c**

B11665. A2227. 31, 41, 10, 12 tubes. Size and mtg. as above. Wt., 1 lb. List, $1.40. NET..... **82c**

B11666. A2313. 33, 42, 47, 49, 2A5 tubes. Size and mtg. as above. Wt., 2 lbs. List, $1.40. NET..... **82c**

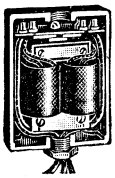
PUSH-PULL

B11667. A2220. PP43, 45, 48, 59, 71A tubes. Size 2x1⅝x2⅜". Mtg. centers 2". 1 lb. List, $1.20. NET..... **71c**

B11668. A2201. PP43, 45, 48, 59, 71A tubes. Size 2x1⅝x3 5/16". Mtg. centers 2 13/16". List, $1.50. NET..... **88c**

B11669. A2231. PP31, 41, 10, 12 tubes. Size and mounting as above. Wt. 2 lbs. List, $1.50. NET..... **88c**

B11670. A2312. PP33, 42, 47, 49, 2A5 tubes. Size and mounting as above. Wt. 2 lbs. List, $1.50. NET..... **88c**



THORDARSON TRU-FIDELITY TRANSFORMERS

The sensational new design of these transformers finally makes possible the realization of really True Fidelity. These Thordarson transformers are completely shielded from external fields and electrostatically shielded between primary and secondary. Single hole mounting permits over or under chassis mounting. Leads may be taken from top or bottom as required. Equally adaptable for replacement or laboratory use, or for original installations. Size, 2⅝"x3⅛"x4". Wt., 4¼ lbs. (*Indicates capacitative and inductive balance to center tap, for use on balanced transmission line.)

Line or Mike to Single Grid

Type T-90A00. For coupling a line, microphone or mixer into the grid of any tube. Primary impedances, 500*-333-250-200*-125 and 50 ohms. Secondary impedances, 75,000 and 18,750 ohms.

B11170. NET **$8.53**

Line or Mike to P. P. Grids

Type T-90A11. For coupling a line or microphone to the grids of push-pull tubes. Primary impedances, same as T-90A00 above. Secondary imp. 150,000 and 37,500 ohms.

B11171. NET... **$10.88**

Line or Mike to Line

Type T-90A10. Primary impedance 500*-333-250-200*-125 and 50 ohms. Secondary impedance, 500*-333-250-200*-125 and 50 ohms.

B11172. NET **$7.35**

Crystal Mike or Photo Cell to Line

Type T-90A06. Special high impedance primary; Secondary impedances, 500*-333-250-200*-125 and 50 ohms.

B11173. NET..... **$9.11**

Audio Reactor

Type T-90C09. For parallel feed circuits, etc. Has inductance of 300 Henries at 8 M.A. D.C., or 75 Henries at 16 M.A. D.C.

B11182. NET **$5.88**

P. P. Plates to P. P. Grids

Type T-90A05. For applications which call for coupling push-pull triode type tubes into push-pull output tubes. Primary impedances, 20,000 and 5,000 ohms. Secondary, 45,000 and 11,250 ohms.

B11178. NET **$7.35**

Single Plate to Single Grid

Type T-90A03. Intended for coupling a single triode type tube to another single tube in cascade order. Primary impedances are 10,000 and 2,500 ohms. Sec., 40,000 and 10,000 ohms.

B11176. NET..... **$5.88**

Single Plate to P. P. Grids

Type T-90A04. As above, but with Sec. of 10,000 and 40,000 ohms.

B11177. NET **$6.76**

Line to Voice Coil

Type T-90S12. Line to voice coil of dynamic speakers. Primary impedances, 500*-333-250-200*-125 and 50 ohms. Sec., 1.25-3.75-5-7.5-10 and 15 ohms.

B11181. NET..... **$8.53**

P. P. Power Tubes to Line

Type T-90S07. Primary 5,000-3,000-1,250 and 750 ohms. Secondary 500*-333-250-200*-125 and 50 ohms.

B11179. NET..... **$8.53**

P. P. Tubes to V. Coil

Type T-90S08. Similar to T-90S07, but has secondary 1.25-3.75-5-7.5-10 and 15 ohms.

B11180. NET..... **$8.53**

Single Tube to Line

Type T-90A02. For coupling single triodes 864, 6C6, 6J7, etc., to a line or mixer. Primary impedances, 20,000 and 5,000 ohms. Secondary impedances, 500*-333-250-200*-125 and 50 ohms.

B11174. NET..... **$8.53**

P. P. Tubes to Line

Type T-90A01. P.P. triodes to line. Primary impedances, 20,000 and 5,000 ohms. Secondary impedances, 500*-333-250-200*-125 and 50 ohms.

B11175. NET..... **$8.53**

THORDARSON "C.H.T." SERIES AUDIO COUPLING TRANSFORMERS



An entirely new line of transformers filling the gap between laboratory grade units and servicemen's replacements. Their response curve meets all requirements for wide-range reproduction. Many advanced electrical and mechanical features take the C.H.T. line out of all competition in its price field. Balanced windings remove hum. Sub-panel terminals make wiring easy. Complete impregnation eliminates moisture problems. Ideal for use in high-grade receivers, transmitters, and portable public address systems. Size, 3¼x2¾x3¾".

LOW IMPEDANCE SOURCE TO GRID

No.	Type	Pri. Ohms	Sec. Ohms	NET
B11027	T-15A66	500, 333, 250 200, 125, 50	60,000/15,000 Single Grid.	$4.26
B11028	T-15A67	500, 333, 250 200, 125, 50	120,000/30,000 P.P. Grids.	4.70
B11029	T-15A68	60, 38, 30, 22 15, 10, 5.5, 2.5	60,000/15,000 Single Grid.	4.26

LOW IMPEDANCE SOURCE TO LINE OR MIXER

B11030	T-15A69	500, 333, 250 200, 125, 50	500, 333, 250 200, 125, 50	3.67
B11031	T-15A70	60, 38, 30, 22 15, 10, 5.5, 2.5	500, 333, 250 200, 125, 50	3.67

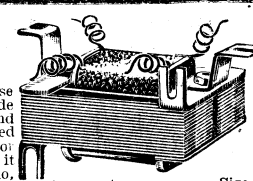
TUBE TO LINE [LOW LEVEL]

B11032	T-15A71	20,000/5,000 Single Plate	500, 333, 250 200, 125, 50	4.26
B11033	T-15A72	20,000/5,000 P.P. Plate	500, 333, 250 200, 125, 50	4.26

INTERSTAGE COUPLING TRANSFORMERS [Class A]

B11034	T-15A73	10,000/2,500 Single Plate	40,000/10,000 Single Grid.	2.94
B11035	T-15A74	10,000/2,500 Single Plate	40,000/10,000 P.P. Grids.	3.38
B11036	T-15A75	20,000/5,000 P.P. Plates	45,000/11,250 P.P. Grids.	3.67

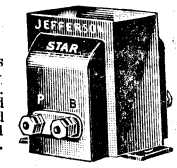
UNIVERSAL AUDIO REPLACEMENT TRANSFORMER



A small, compact audio unit for use in any AC or DC set. Core of high grade silicon steel with accurate machine-wound coil. True Jefferson quality. Furnished with two sets of brackets for horizontal or vertical mounting. Low height makes it suitable for sub-base mounting. Ratio, 2 to 1. Popular for set-building and replacement purposes. Size, 1⅜"x2⅜"x2⅛". With flexible leads. Shpg. wt., 2 lbs.

B6025. Type 467-164. List, $1.25.
YOUR PRICE **73c**

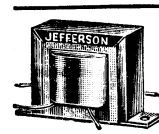
NEW JEFFERSON STAR SEALED TRANSFORMERS



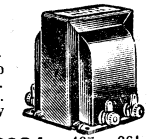
Outstanding values in high quality transformers for use in any set or amplifier, A.C. or D.C. Machine-wound coils for accuracy and uniformity. Laminated core of high silicon steel. Assembled in black enameled sheet steel cases with nickeled binding posts. Windings completely shielded and clearly marked. Size, 2⅞"x2⅞"x2⅜" high. Mtg. centers 2⅜". Shpg. wt., 2 lbs. each.

B6030. 467-113. 3 to 1.
B6031. 467-116. 5 to 1.
List, $2.25.
YOUR PRICE EACH **$1.32**

B6032. 467-117. Push-pull input. (Lugs side.) 3-1. YOUR PRICE.. **$1.38**
B6033. 467-118. Push-pull input. (Lugs bottom.) 3-1. YOUR PRICE.. **$1.47**



MICROPHONE TRANSFORMERS



Microphone to grid. Single-button types have turn ratio of 1 to 64; double-button type 1 to 45. Flat response, 30-7000 cycles. These are low-cost high quality units.

B6036. 467 - 413. Single Button; strap mounting. 2 x 3¼ x 1⅞". Shpg. wt., 1½ lbs. List, $1.60. NET.. **94c**

B6037. 467 - 414. Double Button; strap mounting. 2 x 3¼ x 1⅞". Shpg. wt., 1½ lbs. List, $1.75. NET..... **$1.03**

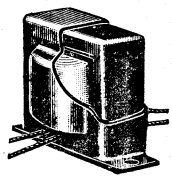
B6034. 467 - 261. Single Button. Shielded type. 2¼ x 2⅞ x 2⅞". List. $2.25 NET..... **$1.32**

LINE TO VOICE COIL OUTPUT TRANSFORMER

A high-quality heavy-duty transformer capable of handling up to 12 watts continuously; ideal for P.A. installations. Several of these transformers may be connected in various series or parallel arrangements for coupling a number of speakers to a 500 ohm line. Primary impedance is 1000 ohms, with taps at 500 and 250 ohms, for matching almost any line. Secondary is 3, 6, 9 and 15 ohms. Size, 4x2⅛x2½". Wt., 3 lbs.

B6135. Type 467-438. List, $3.00.
YOUR PRICE **$1.76**

NEW JEFFERSON PLASTIC-SEALED TRANSFORMERS



A completely new line of transformers, hermetically sealed with a plastic coating. This coating has a high melting point, is moisture-proof, permanently adheres to and seals all exposed surfaces and assures positive protection from adverse climatic conditions. The very last word in transformer design and construction. Absolutely dependable units.

ABSOLUTELY MOISTURE-PROOF

The delicate windings are completely protected against electrolysis or deterioration, assuring peak performance from the transformers at all times. Each unit is carefully made to meet the highest standards of transformer construction. The coils are precision-made, machine-wound, vacuum-dried and impregnated; cores of laminated silicon steel, annealed after stamping. The ideal transformer where consistently dependable performance is desired.

AUDIO TRANSFORMERS

No.	Type	Ratio	Size	NET
B6155	467-501	1 to 2	2⅞"x1⅝"x1⅞"	$0.91
B6156	467-503	1 to 3	3¼"x1⅞"x2⅛"	1.06

P. P. INPUT TRANSFORMERS

B6157	467-502	1 to 2	2⅞"x1⅝"x1⅞"	1.00
B6158	467-504	1 to 3	3¼"x1⅞"x2⅛"	1.15

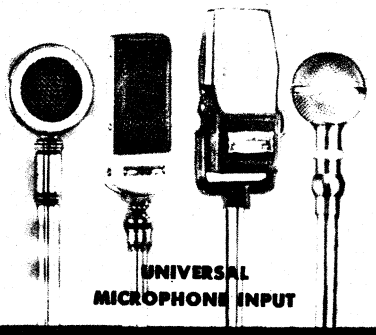
OUTPUT TRANSFORMERS

For single or P. P. 71A, 45, 33, 42, 47, etc. Have 7000 ohm primaries.

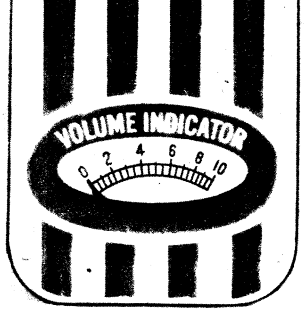
No.	Type	Watts	Secondary	Size	
B6159	467-509	2	4 to 6 ohms	2⅞"x1⅝"x1⅞"	.79
B6160	467-510	3½	6 to 8 ohms	3¼"x1⅞"x2⅛"	.94

CHOKES

B6161	466-500	20 H. at 50 M.A.	425 Ohms	3¼"x1⅞"x2⅛"	.88
B6162	466-540	250 H. at 10 M.A.	5000 Ohms	2⅞"x2" x2½"	.76



UNIVERSAL MICROPHONE INPUT



CALIBRATED OUTPUT INDICATOR



3 CHANNEL MIXER

Knight

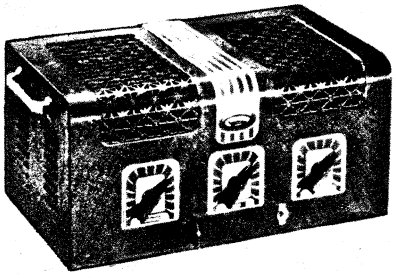
INTEGRATED

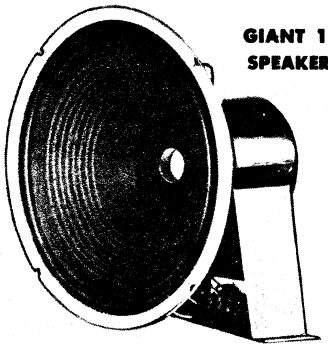
SOUND SYSTEMS

KNIGHT INTEGRATED SOUND SYSTEMS

WITH *Exclusive Features*

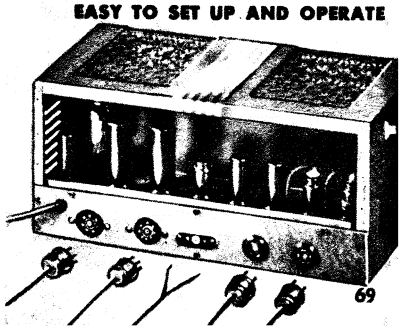
MODERN DESIGN





GIANT 12" SPEAKERS

EASY TO SET UP AND OPERATE



Knight INTEGRATED SOUND SYSTEMS

UNIT-MATCHED

EVERY Knight Integrated Sound System represents maximum value for your dollar—reflected by perfectly matched components in constant dependability, higher quality and finer performance and tone.

ON the following pages you will find new **Knight Integrated Sound Equipment** to cover practically every Sound need; our answer to the constantly-growing demand for the high quality **Knight** line of Public Address Equipment.

NEW features perfected in the World's greatest Sound Laboratories, combined with precision-matched component units, give you extra value.

NEW low prices, the result of large volume production, bring you greater savings. Never before has your P. A. dollar been able to buy so much value.

HONEST conservative ratings, and careful assembling and testing before shipment afford fullest protection; our Helpful Consulting Service saves you time, trouble and money by recommending dependable and proper equipment for every requirement.

OUR liberal guarantee is your assurance of consistent satisfaction. For these reasons it will pay you to do your Sound buying at **ALLIED—Sound Headquarters.**

BUY P.A. ON *Easy Terms*

Don't lose big profits in P. A. for lack of Cash! You can get any of the profit-building **Knight P. A. Equipment** you need—**NOW**—and make it earn for you while it pays for itself. You can buy **Knight Public Address Equipment** easily and conveniently on our attractive new **Monthly Payment Terms,** if your order comes to $75.00 or more. You can buy the smaller systems, too, on **Easy Terms,** by including additional equipment which will build your order up to $75.00 or more. You can have your choice of six months or nine months to pay. You pay approximately 20% down, and the balance in convenient monthly payments. See table at right for liberal time payment terms and attractive low carrying charges. Select the **Knight Public Address Equipment** you want now, and write to us for full details of our liberal and convenient **Time Payment Plan.** Dealers, Service Men and Sound Specialists everywhere are voicing enthusiastic approval of our **Time Payment Plan.**

TABLE OF TERMS

Unpaid Balance	6 MONTHS		9 MONTHS	
	Amt. Per Month	Amt. of Contract	Amt. Per Month	Amt. of Contract
$ 60	$10.70	$64.20	$ 7.31	$65.79
70	12.42	74.52	8.46	76.14
80	14.15	84.90	9.61	86.49
90	15.87	95.22	10.77	96.93
100	17.59	105.54	11.92	107.28
120	21.03	126.18	14.23	128.07
140	24.47	146.82	16.53	148.77
160	27.91	167.46	18.84	169.56
180	31.36	188.16	21.14	190.26
200	34.80	208.90	23.45	211.05

Write us for Terms on Orders of over $200.



Sound Specialists

Sound experts supervise the assembling, testing and shipping of every **Knight Sound System.** Our Sound Engineers have collaborated with industrial organizations, architects, and educators in designing specialized sound equipment for schools, industry, hospitals, prisons, etc. Final, exhaustive tests for maximum safety and operating performance are given each **Knight Sound System** in our modern laboratories before shipment. Only Sound Specialists can assure you of such care and skill in meeting your Sound requirements. That is why Public Address purchasers everywhere depend on **ALLIED** for the finest in Sound Equipment.

Guarantee

All *Knight Sound Systems* are manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America.

Every *Knight Amplifier* is honestly and conservatively rated at its normal continuous output. Every *Knight Amplifier* is designed so that its tubes operate at proper working voltages. Every component used in *Knight Sound Systems* is perfectly matched, and of the finest quality available for P. A. service, to assure maximum power, finest fidelity and steadiest performance.

Every *Knight Sound System* conforms, further, to the standards of the Radio Manufacturers' Association and will perform in the manner intended for such apparatus. Any merchandise that does not so operate, if returned at once, will be promptly adjusted by exchange, repair or refund.

—ALLIED RADIO CORPORATION

FREE CONSULTING SERVICE

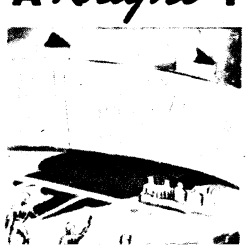
We invite you to submit your Public Address problems to our Sound Engineers for authoritative aid and proper recommendations, without any obligation on your part. Our vast experience in selecting Sound Equipment for individual requirements is reflected in the many highly successful installations made by thousands of our customers in all parts of the world. Whether you make your inquiry by mail or whether you visit our Sound Studios personally, the experience and knowledge of our Sound Engineers are always at your disposal. It will pay you to take advantage of our Consulting Service when modernizing old systems or planning new installations.

HOW TO ORDER P. A. EQUIPMENT

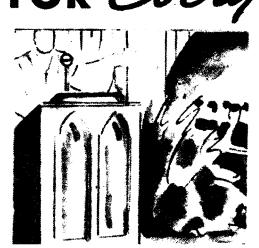
We can supply Sound Equipment for every conceivable need and purpose. The standard **Knight Systems** listed on the following pages will cover most requirements. If, however, you are unable to decide upon the exact type of equipment you will need, our Engineers will be glad to advise you. We ask only that you supply us with the following information: (1) Tell us the purpose for which you require the equipment; for example, whether for church, school, ballyhoo, orchestra use, etc.; (2) State whether you desire permanent or portable equipment; (3) Advise what current you have available; (4) If possible, supply us with a rough sketch indicating all important dimensions of area to be covered, (institutions may submit blueprints which will be safely returned); (5) Indicate any special preferences you may have in regard to microphones, speakers, etc. State your requirements as clearly and completely as possible so that we can help you select the proper equipment promptly.

THERE IS A *Knight* P.A. SYSTEM FOR *Every Purpose*



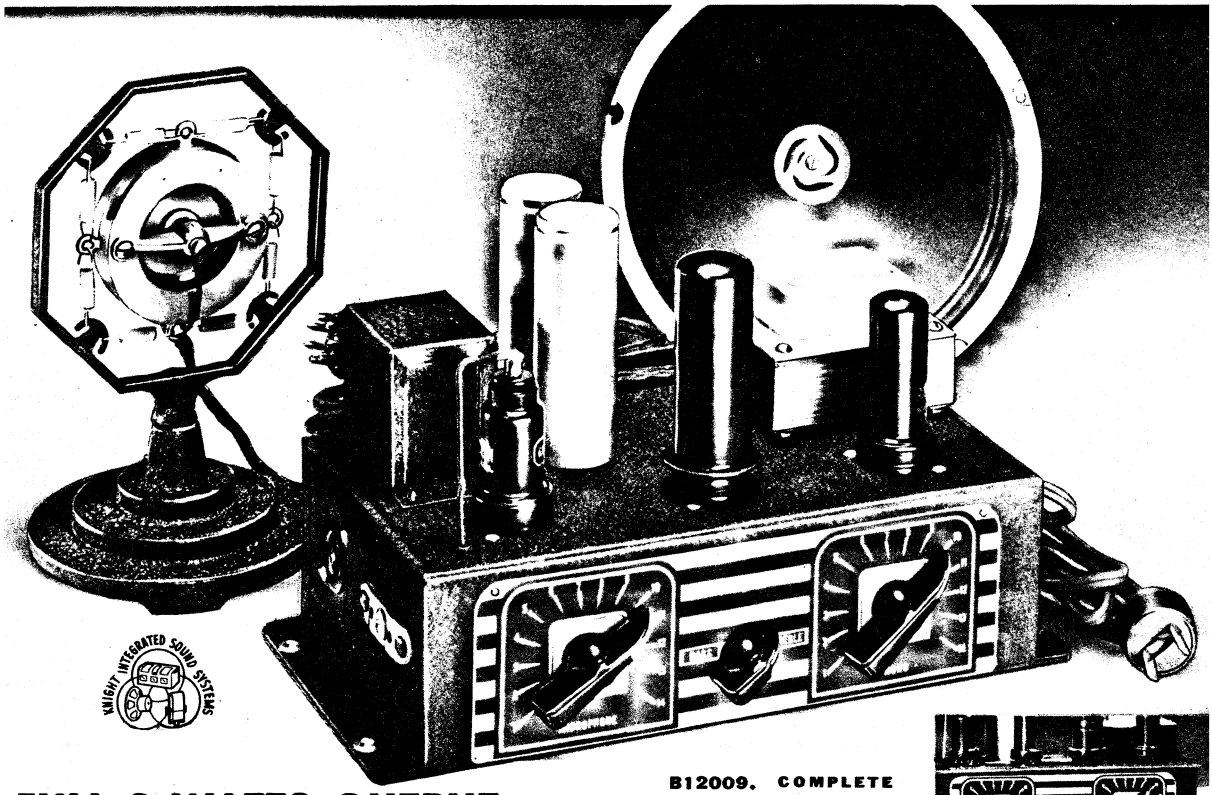








Knight 8 WATT STANDARD "Little Giant" SOUND SYSTEM



FULL 8 WATTS OUTPUT

A newly designed low-cost sound system ideally suited for small installations where limited coverage is desired. Comes complete, ready to set up quickly and easily. Has many distinct advantages in compactness and completeness; no external batteries or mixers are required; microphone transformer and current supply are built-in. Output is full eight watts with remarkably true tonal fidelity. The complete **Knight 8 Watt Integrated System** has essentially uniform frequency response from 80 to 5000 cycles. A variable Tone Control is provided to accentuate bass or treble as desired and to compensate for varying acoustical conditions. Each system is carefully tested in our laboratory before shipment.

METAL TUBES. The newest type metal tubes are used to the fullest advantage in the **Knight 8 Watt System.** A 6J7 voltage amplifier tube and a 6L6 Beam Power Output tube provide a gain of 69 db., with full 8 watts power output. A 5Z4 metal tube is used as rectifier. The use of the new 6L6 Beam Power Amplifier tube keeps distortion at a minimum assuring ample output with fine fidelity. Hum level is exceptionally low. Draws only 56 watts from 110 volt A.C. line. Field current for the dynamic speaker is supplied by the amplifier.

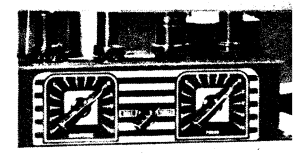
BUILT-IN MIXER. The **Knight 8 Watt Sound System** is supplied with a high-grade double-button carbon microphone. A twin tip-jack is provided for plugging-in high impedance phono pickup. Separate volume controls for both microphone and phonograph permit effective blending and fading action. Microphone current is automatically supplied by the amplifier. No external batteries or mixers are required. Microphone and speaker receptacles are polarized and clearly marked for rapid convenient connection. Has tip-jack for extra speaker or headphones.

COMPLETE SYSTEM. The **Knight 8 Watt Integrated Sound System** comes complete with the following: "Little Giant" 8 Watt Amplifier, a high-grade full 8½ inch dynamic speaker with 25 foot 4 conductor cable and polarized plug attached, a good quality double-button carbon microphone with 25 foot 3 conductor cable and polarized plug, attractive 9 inch microphone desk stand, a kit of Raytheon metal tubes, and complete operating instructions. For 110 Volts, 60 cycles, A.C. Shpg. wt., 36 lbs. (For portable case, see page 86.)

B12009. Complete Knight 8 Watt System.
List Price, $49.45.
YOUR PRICE..... **$23.85**

B12009. COMPLETE KNIGHT 8 WATT STANDARD SYSTEM.....

$23.85

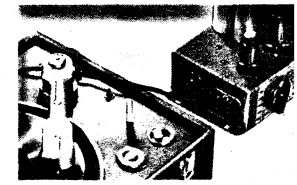


FEATURES:

- **Built-in Mixer**
- **Metal Tubes**
- **Mike and Phono Input**
- **Built-in Mike Current**
- **Full Tone Control**
- **6L6 Beam Power**
- **Full Dynamic Speaker**
- **Polarized Connections**
- **Compact—Complete**

The Knight 8 Watt Sound System is manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America.

Individual volume controls are provided on the **Knight 8 Watt Amplifier** for electronically mixing mike and phono. Tone Control is also included. All controls are easily accessible on front base panel.



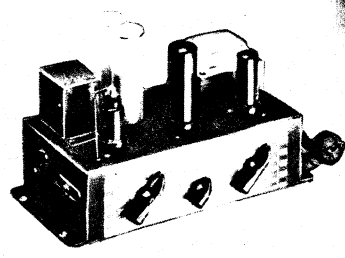
The **Knight 8 Watt Amplifier** has plug-in input for high-impedance magnetic phono pickup. May be hooked up instantly for splendid wide fidelity record reproduction. See page 85 for suitable portable phonograph which will match perfectly.

8 WATT AMPLIFIER ONLY

The **Knight 8 Watt Amplifier** is offered separately as an ideal replacement for old amplifiers or for use as the heart of practically any low-powered sound system. Has built-in microphone transformer and current supply; equipped with microphone and phonograph mixer. Has Tone Control. Develops full eight watts using 1—6J7 and 1—6L6 metal tubes and 5Z4 metal rectifier. Has an excellent gain of 69 db., with essentially flat frequency response from 80 to 10,000 cycles. Supplies field current for 1–1000 ohm dynamic speaker; output is from plate of 6L6. Input is for single or double-button carbon microphone and high impedance magnetic pickup. For 110 volts, 60 cycles, A.C. Shpg. wt., 16 lbs.

B12008. 8 Watt Amplifier only.
List, $25.00.
YOUR PRICE..... **$12.85**

B12070. Kit of Raytheon Metal Tubes. NET $2.99



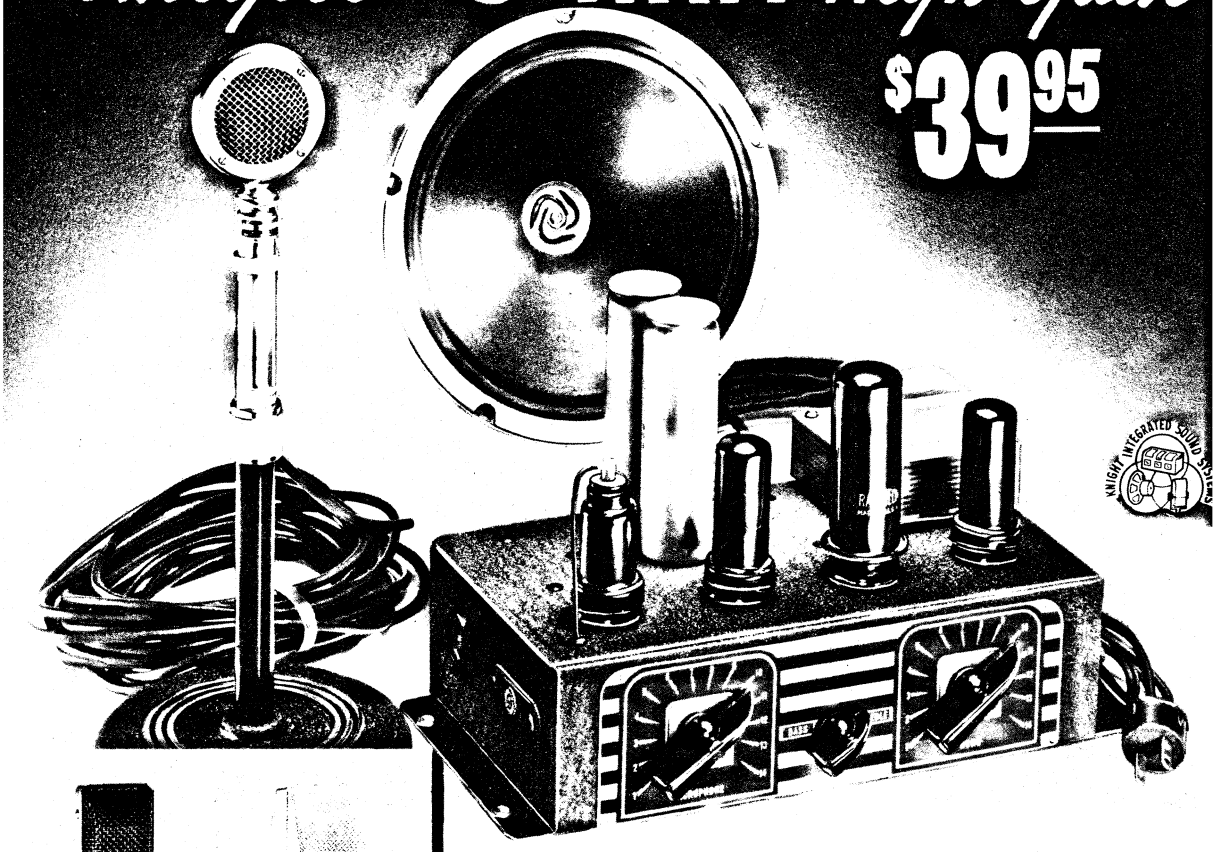
The amazing 6L6 Electron Beam Metal Power Output Tube used in the **Knight 8 Watt Standard Amplifier** assures full 8 watts output with minimum distortion.

The Knight 8 Watt Amplifier is compactly and pleasingly designed. Measures only 12" x 6" x 7¾'. In modern brown wrinkle-finish metal case. Has attractive new control panel finished in striking chrome and brown enamel. Equipped with harmoniously designed control knobs of brown bakelite. Has a really professional appearance. There is no finer 8 Watt Amplifier built today.

A sturdy practical portable carrying case which will house the **Knight 8 Watt Amplifier** perfectly, is shown on page 86.

Knight 8 WATT High-Gain

$39.95



8 WATT CRYSTAL MICROPHONE SYSTEM

For the first time at so low a price—a new high quality modern full 8 Watt High-Gain Sound System with latest dual-diaphragm Crystal Microphone, using all of the advantages of the latest metal tubes for superb reproduction. Ideal for smaller installations where limited sound coverage or effective reinforcement is desired. The new high-gain amplifier permits the direct use of the latest type of Crystal Microphone for unusually fine fidelity. A high-grade full 8½ inch electro-dynamic speaker capably handles full output. The new **Knight 8 Watt Integrated High-Gain Sound System** is distinguished for its modern design and appearance. It is versatile in operation, giving continuous, dependable performance. Each system is carefully tested in our laboratory before shipment. Polarized connections and complete operating instructions permit quick and proper installation and operation.

VELOTRON SYSTEM

Essentially the same as the 8 Watt Crystal System but is furnished with the new Velotron microphone which has somewhat more sensitivity and better frequency range. Complete system includes: 1 **Knight** 8 Watt High-Gain Amplifier; 1 Velotron microphone with 25 foot cable and polarized plug; 1 de luxe adjustable banquet stand; 1 **Knight** 8½" dynamic speaker with 25 foot cable and polarized plug; kit of Raytheon metal tubes and operating instructions. For 110 Volts, 60 cycles, A.C. Shpg. wt., 39 lbs.

B12013.
List, $73.50.
YOUR PRICE.....
$36.75

VELOCITY SYSTEM

The **Knight 8 Watt High-Gain Sound System** is also available with a high-grade Velocity microphone. Ideal for musicians, orchestras, singers, churches, etc. Complete system: 1 **Knight** 8 Watt High-Gain Amplifier; 1 Magnetic Velocity microphone with 20 foot cable and polarized plug; 1 de luxe adjustable banquet stand; 1 **Knight** 8½" dynamic speaker with 25 foot cable and polarized plug; kit of Raytheon metal tubes and operating instructions. For 110 Volts, 60 cycles, A.C. Shpg. wt., 39 lbs.

B12014.
List, $89.50.
YOUR PRICE.....
$44.25

(See Page 86 for portable carrying case. For a fine portable electric phonograph to match, see Page 85.) **You get maximum value when you buy these Knight 8 Watt Systems.**

WITH NEW CRYSTAL MIKE

The **Knight 8 Watt High-Gain Sound System** uses the new Astatic Dual-diaphragm non-directional Crystal Microphone. The built-in preamplifier stage makes its direct use possible without additional external amplification. The Astatic Crystal Microphone features exceptionally fine frequency response; will pick up sound from any angle; reduces "feed-back" to a minimum. All voice and musical frequencies are faithfully handled. The compact, watch-case size of the microphone makes it convenient to use. The **Knight 8 Watt High-Gain Sound System** has been skillfully engineered to utilize to the fullest the decided advantages of crystal microphone performance. Each **Knight 8 Watt High-Gain Sound System** is manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America.

LATEST METAL TUBES

The **Knight 8 Watt High-Gain Amplifier** used in the system employs a powerful three stage circuit utilizing the newest metal tubes to the fullest advantage as follows: 1—6J7 as crystal mike preamplifier; 1—6N7 as electronic mixer and driver; 1—6L6 Electron Beam Power tube as power output; 1—5Z4 as rectifier. This modern tube line-up assures absolute rated output and minimum distortion. The Knight 8 Watt High-Gain Sound System comes to you complete with all cables and plugs attached. It can be set up instantly and is unusually simple to operate. For performance, for reliability, and for value, the **Knight 8 Watt High-Gain System** is without competition.

NEW HIGH-GAIN CIRCUIT

The new high-gain circuit used in the **Knight 8 Watt "Little Giant" Amplifier** employs the latest metal tubes. Input is arranged for a high-impedance magnetic phonograph pickup as well as for the crystal microphone supplied. Separate volume controls are provided for microphone and phonograph permitting blending and mixing action. Tone Control is also included to accentuate bass or treble as desired. The amplifier develops an essentially flat frequency response from 80 to 10,000 cycles. Gain is 110 db. for crystal microphone and 58 db. for phonograph. Field current for the dynamic speaker is supplied by the amplifier; an extra speaker jack permits the use of an additional speaker if desired. The versatile design of the **Knight 8 Watt System** makes it suitable for many sound applications.

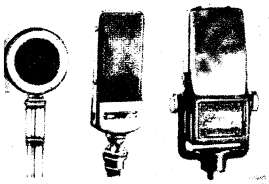
SYSTEM COMPLETE

The **Knight 8 Watt High-Gain Sound System** includes the Little Giant Amplifier described on next page, a high grade full 8½ inch dynamic speaker with 25 foot 4 conductor cable and plug attached, an Astatic Dual-diaphragm Crystal microphone with 25 foot cable and plug, attractive microphone banquet stand, a kit of Raytheon metal tubes, and complete operating instructions. Draws only 64 watts from 110 Volt, 60 cycle, A.C. line. Shpg. wt., 39 lbs. Ready for easy installation and operation. **The Knight 8 Watt Integrated High-Gain Sound System** is the finest 8 watt P.A. value ever offered.

B12012.
List $80.00.
YOUR PRICE.....
$39.95

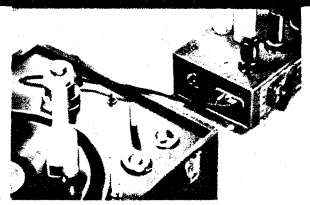
(For Portable Phonograph, see Page 85.)

"LITTLE GIANT" SOUND SYSTEMS



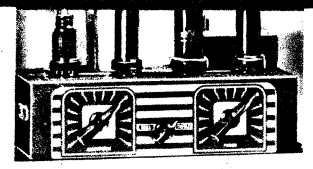
CHOICE OF MIKES

The **Knight 8 Watt High-Gain Amplifier** has universal input for any high-impedance microphone. Available with the latest high-grade Crystal, Velotron, or Velocity microphones. Your choice of microphone equipment is offered on page 72.



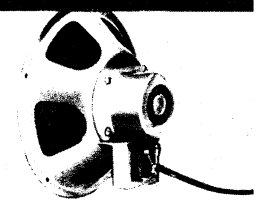
PHONOGRAPH INPUT

The **Knight 8 Watt High-Gain Amplifier** has plug-in input for high-impedance magnetic phono pickup. May be hooked up instantly for perfect record reproduction. See page 85 for suitable matching portable phonograph which will give splendid results at an attractive price.



BUILT-IN MIXER

Individual volume controls are provided in the **Knight 8 Watt High-Gain Amplifier** for electronically mixing microphone and phonograph. Tone Control is also included. All controls are easily accessible on front base panel. Nothing has been omitted to attain the finest P.A. results.



LARGE SPEAKER

A full 8½ inch electro-dynamic speaker of superior quality is coupled with the **Knight 8 Watt Systems** for rich, wide fidelity tone with negligible distortion. Handles full output adequately. Matched perfectly for flawless tonal quality.

8 WATT AMPLIFIER ONLY

The **Knight 8 Watt High-Gain Amplifier is available separately either as an ideal replacement** for old type amplifiers or for use as the heart of practically any low-powered sound system. Compactly designed; measures 6"x 7¾"x12". Weighs only 8½ lbs. Has built-in mike and phono mixer. Develops full eight watts using 1—6J7, 1—6N7 and 1—6L6 tubes with 5Z4 rectifier. Has an excellent gain of 110 db. for microphone, and 58 db. for phono with essentially flat frequency response from 80 to 10,000 cycles. Supplies field current for one 1000 ohm dynamic speaker; output is from plate of 6L6. Has universal input for crystal, Velotron or high-impedance velocity microphones and high impedance magnetic pickup. For 110 volts, 60 cycles, A.C. Draws only 64 watts. Shpg. wt., 18 lbs.

B12011. 8 Watt High-Gain Amplifier only.
List, $30.00.
YOUR PRICE..... $14.75

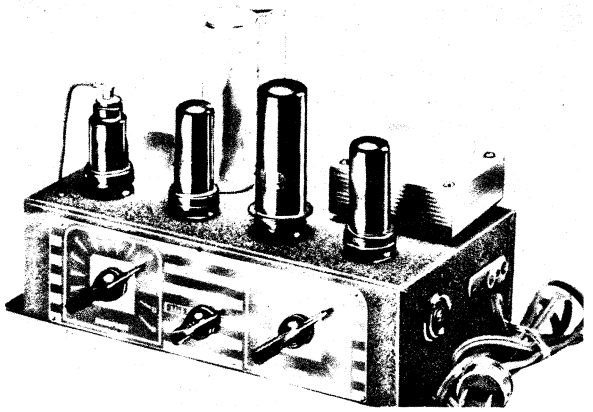
B12071. Kit of Raytheon Metal Tubes..... $3.91

(See Page 86 for suitable portable carrying case for **Knight 8 Watt High-Gain Amplifier.**)

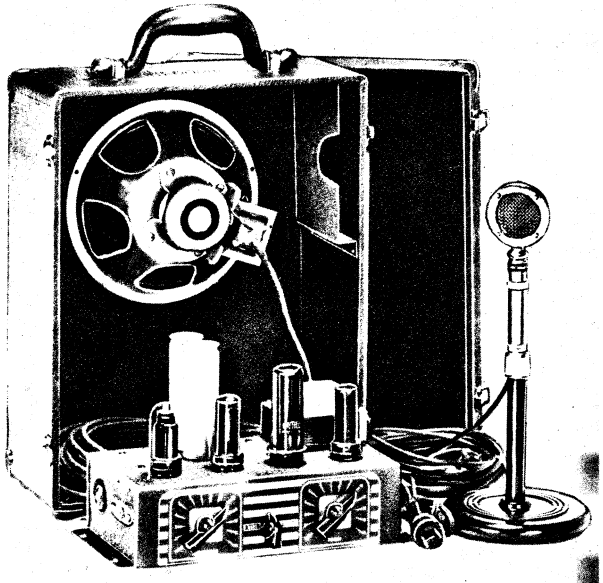
KNIGHT 8 WATT AMPLIFIER ONLY.

$14.75

The new **Knight 8 Watt Amplifier** is up-to-the-minute in appearance as well as design. Built into a beautiful new brown wrinkle finished metal case. Measures only 12"x6"x 7¾". Has striking chrome and brown control panel with attractive brown bakelite pointer knobs to match. Has a professional appearance in fine keeping with its performing quality.



8 WATT *High-Gain* PORTABLE SOUND SYSTEM



The **Knight 8 Watt High-Gain Sound System** with Crystal Microphone is also offered in a modern low-cost portable system. Designed for coverage of small audiences. Ideal for musical organizations, lecturers, demonstrators, side-shows, etc. Uses the new Astatic Dual-Diaphragm Crystal Microphone for quiet performance and clear reproduction of both voice and music. Input is provided for the crystal microphone supplied and for a high impedance phonograph. Individual volume controls are provided for microphone and phonograph, for mixing and blending voice and music. Tone control permits compensation for varying acoustical conditions. The use of the latest powerful metal tubes in the high-gain circuit of the amplifier assures full 8 watts output practically free from distortion. The new 6L6 Electron Beam-Power Tube plays an important part in developing this flawless power. A large 8½ inch **Knight** Dynamic speaker handles full volume without blasting. All components are housed in a single compact carrying case, 8½"x12¾"x16¾". Weight complete is only 42 lbs. The new **Knight 8 Watt High-Gain Sound System** is one of the most versatile portable systems ever designed. For value, completeness, ready portability, ease of operation and highest tonal fidelity, it is absolutely unrivalled even by 8 watt systems at much higher prices.

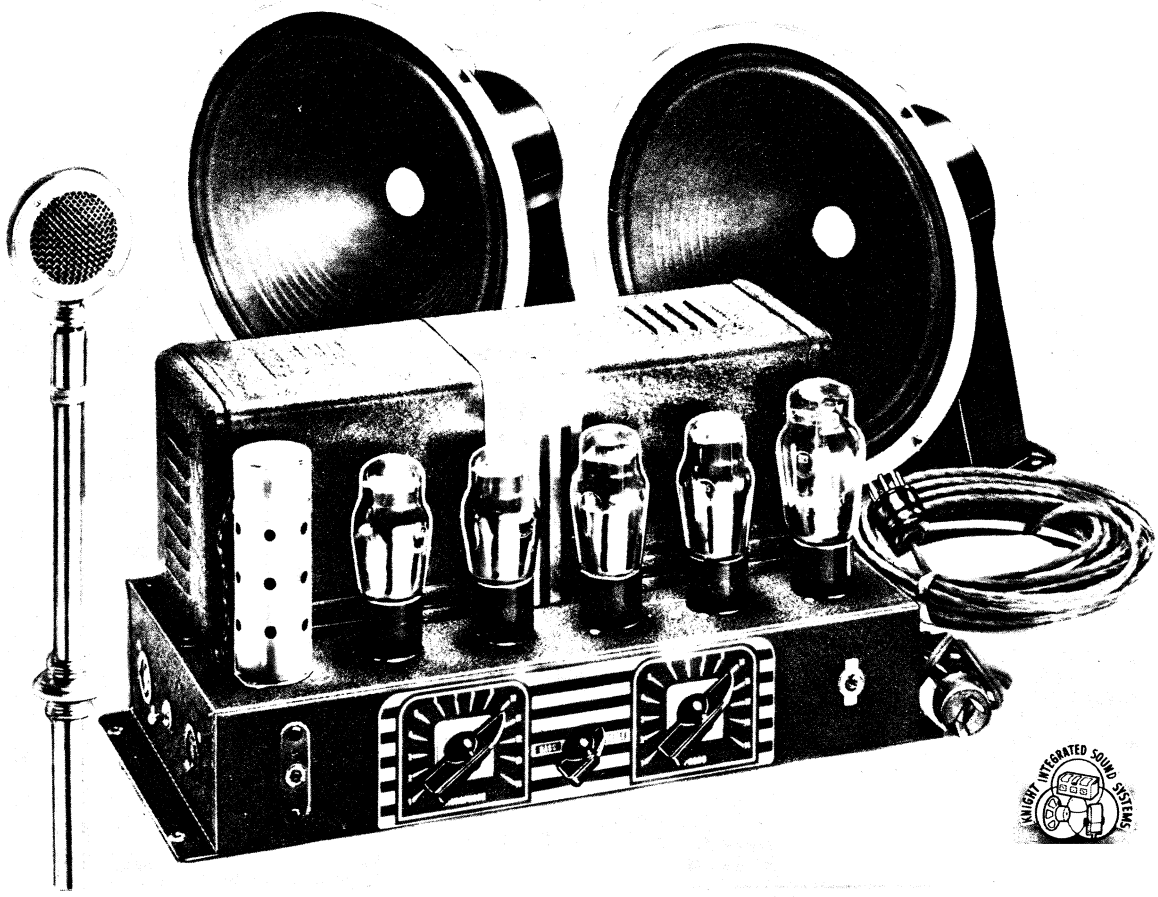
COMPLETE 8 WATT HIGH-GAIN SYSTEM

The complete **Knight 8 Watt High-Gain Portable System** includes: 1—**Knight** 8 Watt high-gain amplifier; 1—Astatic Dual-diaphragm Crystal microphone mounted on an attractive banquet stand with 25 foot cable and polarized plug; 1—8½ inch **Knight** dynamic speaker with 25 foot cable and polarized plug. Entirely self-contained in a single sturdy carrying case. Complete with tubes and instructions. For operation on 110 Volts, 60 cycles, A.C. A wonderful value in a complete, compact full 8 watt portable system.

B12015.
List, $91.50.
YOUR PRICE COMPLETE..... $45.35

(The above system can also be had with a Knight floor stand instead of banquet stand at no extra cost. For suitable portable phonograph, see our attractive selection on page 85. Make your total order come to $75 or more and you can buy your Knight Sound Equipment on Easy Terms. See page 70 for details.)

Knight 18 WATT *High-Gain* SOUND SYSTEMS



B12019.
18 WATT CRYSTAL MIKE SYSTEM COMPLETE

$63.50 CASH PRICE

EASY TERMS

You can now buy the **Knight 18 Watt Crystal Mike Sound System** on our attractive **Time Payment Plan** by bringing your P. A. order up to $75 total or more. (See Page 70 for details.) You may add a suitable portable phonograph such as B10080 or B10081 on page 85; or speaker baffles such as B10282 on page 86, or an additional crystal microphone and stand. This will bring your total P. A. order up to or over the minimum time payment requirements. Take advantage of the new **ALLIED Time Payment Plan**—use the **Knight Sound Equipment** you need now, and pay for it conveniently on our Easy Terms.

The Knight 18 Watt High-Gain Sound Systems are manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America.

18 WATT CRYSTAL MIKE SYSTEM

An exceptional value in a new low-cost complete **Knight 18 Watt Integrated Sound System** using the latest dual-diaphragm type crystal microphone. This new type of crystal microphone has an exceptionally fine frequency response; greatly reduces feed-back and will pick up sound from any angle. In addition, it has the advantage of being extremely compact and inconspicuous—actually the size of an ordinary watch. (An additional high-impedance microphone may be added, if desired, for special effects.) The high-gain amplifier of this 18 Watt System develops full 18 watts output using the crystal microphone. Four high-gain stages are employed using the latest type tubes; 1—6C6, 2—6A6, 2—6B5, 1—5Z3. The two 6B5 tubes used as push-pull power amplifiers assure greater gain (115 db.) with less distortion than any other equivalent tubes. Frequency response is essentially flat from 80 to 10,000 C.P.S. Hum level is minus 25 db. These splendid characteristics assure high output coupled with excellent fidelity.

BUILT-IN ELECTRONIC MIXER CIRCUIT

Input is provided in the **Knight 18 Watt System** for a high-impedance phonograph pickup. Individual volume controls for microphone and phonograph permit blending and fading as desired. "Mixing" action is electronically controlled. Tone Control is provided to give bass or treble emphasis and to compensate for varying acoustical conditions. All controls are readily accessible on the modern chrome and brown operating panel. Two giant **Knight** full 12 inch Auditorium electro-dynamic speakers are supplied with the **Knight 18 Watt Sound System.** They adequately handle the full output of the amplifier, giving wide-range faithful reproduction. The amplifier supplies all field current for operation of these speakers. (See next page for further details.)

18 WATTS OUTPUT

The High-Gain Amplifier incorporated in the **Knight 18 Watt Sound System** develops a full 18 watts output, with admirable fidelity, free from distortion. High-grade components, integrated perfectly, are coupled with advanced design and skillful building to assure highest quality and value.

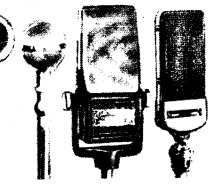
COMPLETE 18 WATT CRYSTAL MIKE SYSTEM

The complete **Knight 18 Watt Crystal Mike Sound System** includes: 1—**Knight** 18 Watt High-Gain Amplifier; 1—Astatic dual diaphragm Crystal microphone; 25 feet of special crystal microphone cable and polarized plug; 1—standard **Knight** microphone floor stand with sure-grip clutch (adjustable from 46 to 70 inches); 2—12 inch **Knight** dynamic speakers with 30 foot cables and polarized plugs; complete Raytheon tube kit, and full instructions. For operation on 110 Volts, 60 cycles A.C. Ready for installation. Shpg. wt., 55 lbs.

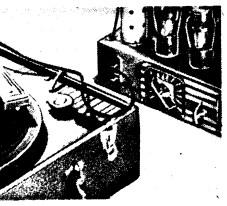
B12019.
List, $127.50.
CASH PRICE..... **$63.50**

(Note: See page 85 for Portable Phonograph. See page 86 for Portable Case and Baffles. Make your order come to $75 or more and buy on our Easy Terms Plan.)

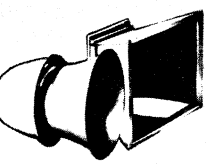
With Outstanding NEW FEATURES!



Has universal input for any high-impedance microphone. Available with choice of Crystal, Velotron, Velocity, or Sound Cell mikes.



Has plug-in input for high-impedance magnetic phono pickup. See page 85 for suitable portable phonograph.



For suitable baffles and projectors which will give even wider coverage to the **Knight 18 Watt Sound Systems,** see listing on page 86.

NEVER BEFORE SO MUCH PUBLIC ADDRESS VALUE!

NEWEST FEATURES:

- **Universal Input for:**
  - **Crystal**
  - **Velotron**
  - **Velocity**
  - **Sound Cell Mikes**
- **Built-in Pre-Amplifier**
- **Phono Input**
- **Tone Control**
- **Dual Mike Switch**
- **12′ Speakers**
- **Electronic Mixer**
- **Universal Output**
- **Polarized Connections**
- **Full 18 Watts Output**
- **Modern Design**

WIDE FREQUENCY RANGE

Brilliant engineering has made the **Knight 18 Watt Sound Systems** marvels of efficiency, resulting in exceptional high gain and remarkable wide-range fidelity. Frequency response is essentially flat from 80 to 10,000 C.P.S. The four stages utilized in the amplifier develop the exceptionally high gain of 115 db. At full rated output, distortion is only 7%. Hum level is minus 25 db. These splendid characteristics assure high output coupled with excellent fidelity. The **Knight 18 Watt Sound Systems** are ideal both for sound reinforcement as well as for powerful public address coverage.

GIANT 12″ SPEAKERS

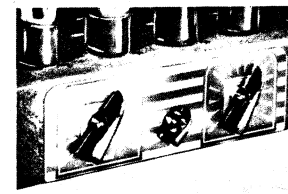
The **Knight 18 Watt High-Gain Sound Systems** use 2 giant **Knight** full 12 inch Auditorium Dynamic Speakers which adequately handle the output of the amplifier, giving wide-range faithful reproduction. These popular speakers feature heavy pressed-steel construction and rugged design for heavy-duty use. Equipped with carrying handles. The amplifier supplies all field current for the operation of these speakers. Each speaker is equipped with 30 foot cable and plug attached. (For suitable speaker baffles, which will give even wider coverage, see our complete listing on page 86.)

POWERFUL CIRCUIT

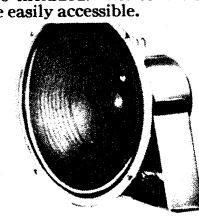
The High-Gain Amplifier incorporated in the **Knight 18 Watt Sound Systems** develops a full 18 watts output, with admirable fidelity, free from distortion. Four high-gain stages are employed, using the latest type tubes as follows: 1—6C6 as crystal mike preamplifier; 1—6A6 as electronic mixer and voltage amplifier; 1—6A6 as phase inverter and driver; 2—6B5 as push-pull power amplifiers; with 5Z3 as rectifier. The two 6B5 tubes used as push-pull power amplifiers assure greater gain with less distortion than any other equivalent tubes. High grade components, advanced design and skillful building assure highest quality and full value. These **Knight 18 Watt Integrated Sound Systems** should not be confused with systems claiming the same performance but which are actually of inferior design and construction.

ELECTRONIC MIXER

Individual volume controls are provided for both microphone and phonograph, permitting blending or fading as desired. "Mixing" action is electronically controlled in the 6A6 tube. Provision is also made to permit the use of an additional microphone, with a special selector switch arrangement which allows either microphone to be cut in at will. This feature adds real versatility to the system, making it possible to achieve special effects such as off-stage announcements, solo work with or without orchestration, etc. Tone Control is provided to give bass or treble emphasis and to compensate for varying acoustical conditions. All controls are conveniently located on front base of amplifier. Polarized receptacles are provided for microphone and speakers. Twin-jack accommodates phonograph input. Note the modern attractive design of the new **Knight 18 Watt Amplifier.** The metal case is finished in attractive brown-wrinkle. Control panel is chrome and brown with brown bar-knobs.



Individual volume controls are provided for electronically mixing mike and phono. Tone Control is also included. All controls are easily accessible.



Two giant 12-inch Electro-dynamic speakers are coupled with the **Knight 18 Watt Systems** for rich, wide-fidelity tonal range.



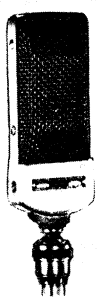
Has provision for use of additional microphone. Switch arrangement allows either mike (they need not be alike) to be cut in at will as desired.

18 WATT HIGH-GAIN AMPLIFIER ONLY

The **Knight 18 Watt High-Gain Amplifier** is available separately as an ideal nucleus for sound systems using low level microphones. Has universal input for any high impedance microphone and phono. 4 high-gain stages develop a remarkable gain of 115 db. permitting the direct use of high impedance microphones without requiring the use of a pre-amplifier. The frequency response is essentially flat from 80 to 10,000 cycles. The **Knight 18 Watt High-Gain Amplifier** has individual volume controls for both microphone and phonograph, permitting them to be "faded" or "mixed" as desired. Provision is made for the use of two microphones, either of which may be used at will. Tone Control is built in for bass or treble emphasis. Has polarized receptacles for mike and speakers and twin jack for phono input. Has built-in field excitation for 2—4000 ohm dynamic speakers; output is universal, tapped at 4, 8, 16 and 500 ohms. Size: 17⅜″x7⅞″x8⅜″. Shpg. wt., 25 lbs. For 110 Volts, 60 cycles A.C.

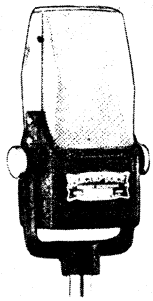
B12018. Knight 18 Watt High-Gain Amplifier, less tubes.
List, $57.50. **CASH PRICE**..... **$27.75**

B12072. Raytheon Tube Kit. NET.....**$5.21**



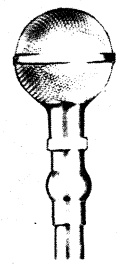
VELOTRON SYSTEM

Complete **Knight 18 Watt Integrated System** as described at left, but with a **Velotron** static-velocity microphone instead of Crystal microphone.
B12020.
List, $120.00.
CASH PRICE.....
$59.75



VELOCITY SYSTEM

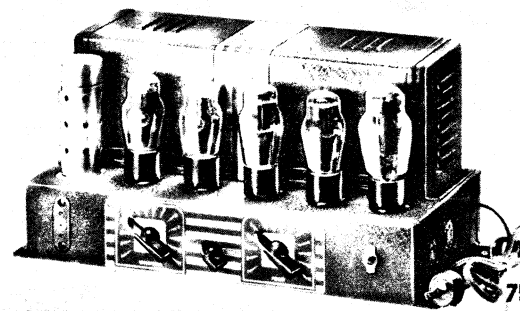
Complete **Knight 18 Watt Integrated System** as described, but equipped with a high-grade **Velocity** microphone. Meets the demand for wide-range tonal fidelity.
B12021.
List, $137.50.
CASH PRICE.....
$68.25



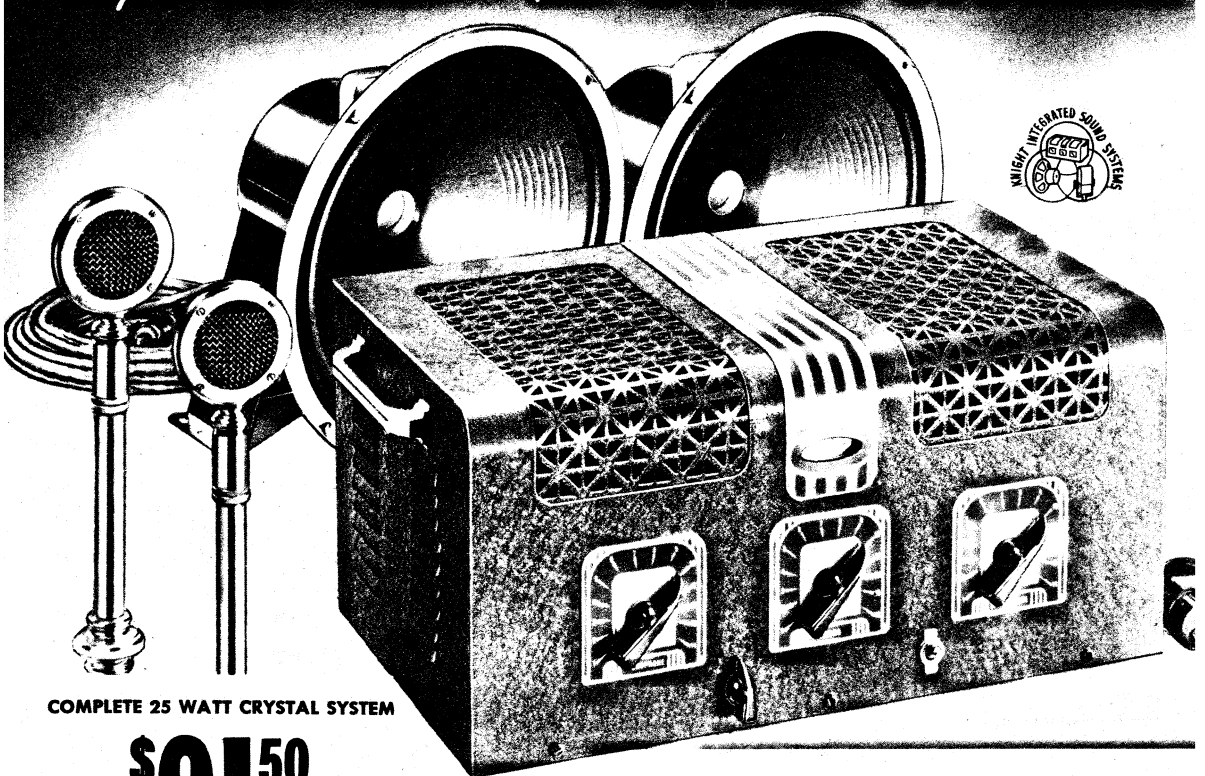
SOUND CELL SYSTEM

Complete **Knight 18 Watt Integrated System** as described but with a **Brush Sound Cell** microphone. Has 360° pickup and fine response.
B12022.
List, $140.00.
CASH PRICE....
$69.95

(To take advantage of our Time Payment Plan, bring your P.A. order up to $75 or more by adding portable phono, baffles or additional microphone and stand.)



Knight 25 WATT High-Gain SOUND SYSTEMS



COMPLETE 25 WATT CRYSTAL SYSTEM

$91.50 Cash Price

You can now buy the new Knight 25 Watt High-Gain Sound Systems on our convenient Time Payment Plan. For complete details and Easy Terms, read page 70. It will pay you to buy Knight Sound Equipment because you can earn and profit while you are paying for it on our easy convenient terms.

The Knight 25 Watt High-Gain Sound Systems are manufactured under license arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.

UNIVERSAL MICROPHONE INPUT

An entirely new High-Gain Sound System of intermediate power, styled along the most modern lines. Includes many exclusive new features. Universal input is provided for the use of two of any type high-impedance microphones. We offer below a choice of systems using either dual-diaphragm Crystal, Velotron, Velocity or Sound Cell Microphones. Input is also arranged for a high-impedance magnetic phono pickup. Both microphones may be used simultaneously and "mixed" or blended as desired. An exclusive new feature is the output indicator which shows visually the output level at which the system is operating. The use of the new 6L6 Electron Beam Power tubes assures full 25 watts output with absolute minimum of distortion. The new **Knight 25 Watt High-Gain Sound System** is suitable for use by orchestras, churches, morticians, schools, clubs and lodges, night clubs and carnivals or wherever intermediate power with exceptionally fine tonal fidelity is desired.

4 HIGH-GAIN STAGES—3 CHANNEL MIXER

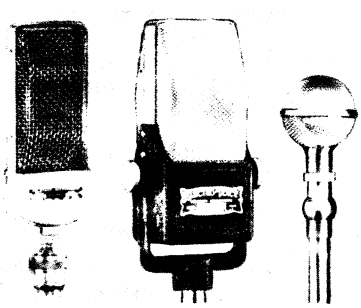
The amplifier used in the **Knight 25 Watt System** features four high-gain stages using the following metal tubes: 2—6J7 as mike preamplifiers; 2—6N7 as voltage amplifiers and Electronic mixers; 1—6N7 as driver; 2—6L6 as push-pull Beam Power output stage; 1—6X5 as output meter tube. An 83 tube is rectifier. This powerful circuit has a gain of 118 db. on microphone and 65 db. for phono. Frequency response is essentially flat from 80 to 10,000 C.P.S. A three-channel mixer is incorporated, which includes a separate volume control for each microphone and for phonograph. "Mixing" is electronically controlled, permitting any degree of blending as desired. Each control functions independently and has no effect on the others. Tone Control is provided to compensate for varying acoustical conditions. Two of the latest 12 inch **Knight** Auditorium Electro-dynamic speakers handle the full output without distortion and with excellent tonal fidelity. All receptacles for microphones and speakers are polarized.

COMPLETE 25 WATT CRYSTAL HIGH-GAIN SYSTEM

The **Knight 25 Watt High-Gain Integrated Sound System** is offered complete as illustrated above with two Astatic Dual-diaphragm Crystal Microphones. Includes: 1—**Knight** 25 Watt High-Gain Amplifier; 2—**Knight** 12 inch dynamic speakers with 30 foot cables and polarized plugs; 2—Astatic Crystal Microphones with 25 foot cables and polarized plugs; 2—**Knight** microphone floor stands; Complete Raytheon tube kit and full instructions. For 110 Volts, 60 cycles A. C. Shpg. wt. 71 lbs.

B12026. List, $185.00.
CASH PRICE..... **$91.50**

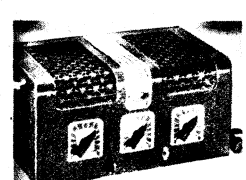
SEE PAGE 70 FOR CONVENIENT TIME PAYMENT PLAN



B12027. 25 WATT VELOTRON SYSTEM. Same as Crystal System described above at right but with 2 **Velotron Microphones** instead of Crystal Mikes. Complete 25 Watt System. List, $170.00. **CASH PRICE**..... **$84.95**

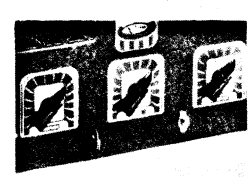
B12028. 25 WATT VELOCITY SYSTEM. Same as above but with 2 **Velocity Microphones.** Complete 25 Watt System. List $200.00. **CASH PRICE**..... **$99.50**

B12029. 25 WATT SOUND CELL SYSTEM. Same as above but with 2 **Brush Sound Cell Microphones.** Complete 25 Watt System. List $215.00. **CASH PRICE**..... **$107.50**

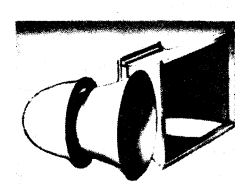


B12025. 25 WATT AMPLIFIER ONLY. Features as described above. 17x12x8¼". Shpg. wt., 31 lbs. For 110 volts, 60 cycles, A. C. Less tubes. **NET**..... **$35.95**

B12073. Raytheon Tube Kit. NET..... **$8.29**



3 Channel Mixer has separate volume controls for each microphone and for phono—permitting electronic "mixing" of all three. Each control functions independently and has no effect on the others. Tone Control is also included. With exclusive output indicator.



Baffles and Projectors. For even better sound coverage, indoor or outdoors (when speakers are not mounted on large flat baffles) we recommend the use of the projectors and directional baffles which are illustrated on page 86.



Knight Low-Cost GIANT 60 WATT SOUND SYSTEMS



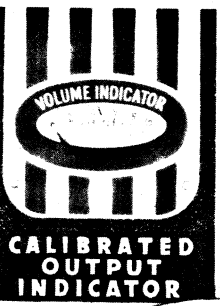
FEATURES:

- UNIVERSAL MIKE INPUT
- NEW OUTPUT INDICATOR
- 3 CHANNEL MIXER
- 6L6 BEAM POWER TUBES
- PHONOGRAPH INPUT
- WITH TONE CONTROL
- POLARIZED CONNECTIONS
- MODERN DESIGN

New giant high-gain Sound Systems designed for complete coverage of huge crowds. Particularly recommended for outdoor use in large athletic fields, in public parks, in music bandshells, at race tracks, circuses, etc. New Universal Input permits the simultaneous use of 2 high impedance microphones such as: diaphragm type Crystal, static-velocity Velotron, Velocity, or Sound Cell crystal types, as well as a high impedance magnetic phonograph. Complete Giant Sound Systems are listed below using these high-quality microphones.

GIANT 60 WATTS OUTPUT

The **Knight 60 Watt High-Gain Amplifier** used develops full output with any of the microphones listed. 4 high-gain stages employ: 2—6J7 as microphone preamplifiers, 2—6N7 as electronic mixers and voltage amplifiers, 2—6C5 as drivers, 2—6L6 as Electron Beam-power output tubes, 1—5Z4 as fixed bias tube, 1—6X5 as Volume Indicator tube, 1—83 as rectifier. This modern tube combination assures a gain of 122 db. for microphones and 65 db. for phonograph. Frequency response is essentially flat from 80 to 10,000 cycles. Separate volume controls are incorporated for each microphone as well as for phono, permitting any desired degree of blending; mixing is accomplished electronically. A tone control is provided to compensate for varying acoustical conditions. All controls, including "on-off" switch are conveniently grouped on the front panel for ready accessibility.



CALIBRATED OUTPUT INDICATOR

The Knight 60 Watt Sound Systems are manufactured under license arrangements with Electrical Research Products, Inc., Subsidiary of WesternElectric Co., Inc., Radio Corporation of America.

WITH OUTPUT METER

An exclusive feature of **Knight 60 Watt Integrated Giant Sound Systems** is the calibrated output meter which permits accurate maintenance of any desired volume level. This is a practical necessity where the amplifier is located at a distance from the microphones or speakers. Four new type permanent magnet dynamic speakers are supplied with each **Knight 60 Watt Giant Sound System.** They employ a new magnetic alloy in their field structures to assure excellent power handling ability with true tonal fidelity. (Additional speakers may be added as desired.) Each speaker is equipped with a line transformer to properly match the 500 ohm output of the amplifier and with 50 feet of connecting cable, with polarized plug attached.

COMPLETELY ASSEMBLED

Knight 60 Watt Giant Sound Systems are completely assembled and tested in our laboratories before shipment. This assures absolute trouble-free installation and operation. All components are carefully matched to assure dependable operation and superb reproduction. With all these features, **Knight 60 Watt Giant Sound Systems** are still low in cost and economical in operation. They draw only 275 watts from a 110 volt 60 cycle A.C. line. The complete systems as listed offer a choice of any 2 Crystal, Velotron, Velocity or Sound Cell microphones. For 110 Volt 60 cycle A.C. operation.

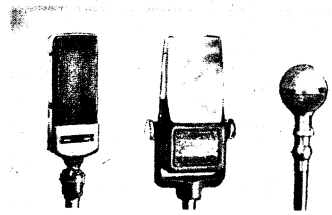
COMPLETE CRYSTAL SYSTEM

The powerful **Knight 60 Watt Giant Sound System** is offered complete, with 2—Astatic dual-diaphragm Crystal microphones with 25 ft. cables and polarized plugs; 2—**Knight** Microphone Floor stands; 1—**Knight** 60 watt High Gain Amplifier; 4—new type P.M. Dynamic Speakers, each with 50 ft. cable and polarized plug; Raytheon tube kit and complete instructions. For 110 volts, 60 cycles A.C. Shpg. wt. 100 lbs.

B12061. List, $265.00. **CASH PRICE**.....

$132.50

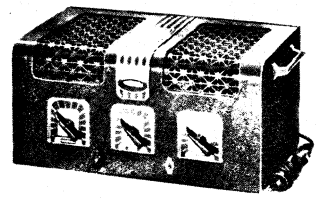
You can now buy the New Knight 60 Watt Sound Systems on our convenient Time Payment Plan. See Page 70 for complete details and Easy Terms chart.



B12062. Knight 60 Watt System complete as described below at left but with 2—**Velotron Microphones** instead of Crystal Mikes.
List $250.00.
CASH PRICE..... **$125.00**

B12063. Knight 60 Watt System complete as described with 2—**high-grade Velocity Microphones.**
List, $280.00.
CASH PRICE..... **$139.50**

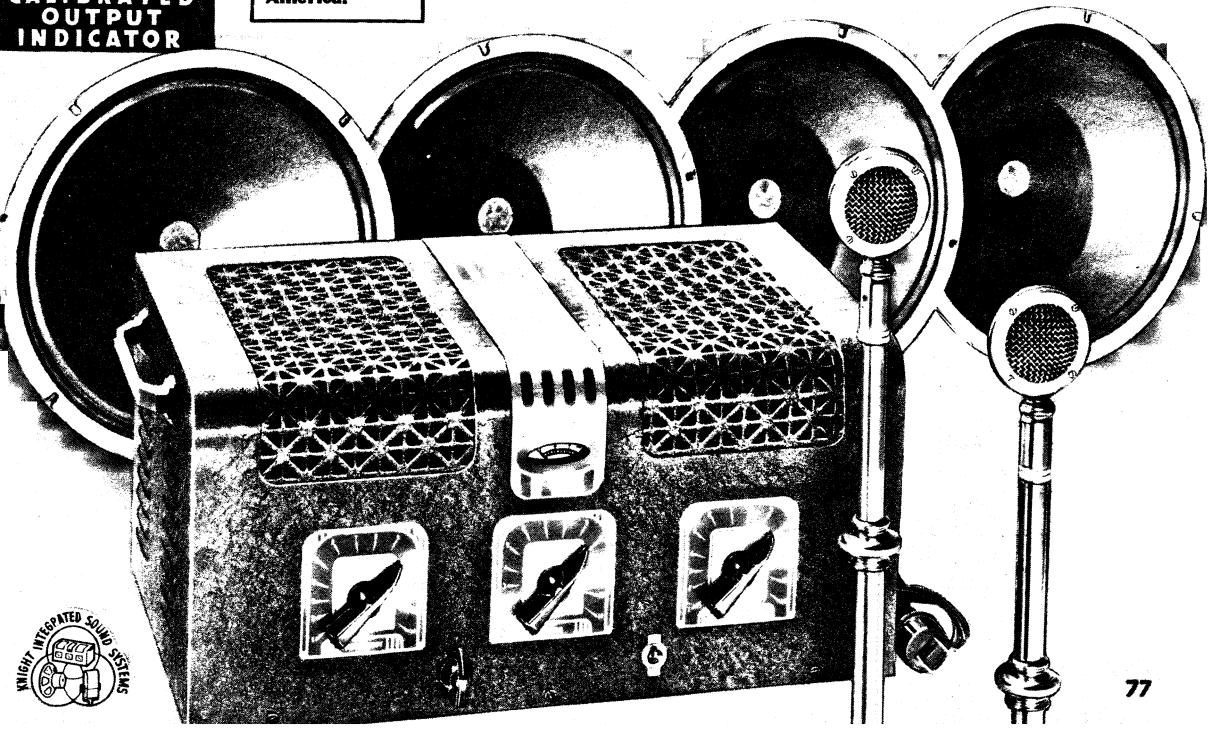
B12064. Knight 60 Watt System complete as described with 2—**Brush Sound Cell Microphones.**
List, $295.00.
CASH PRICE..... **$146.50**



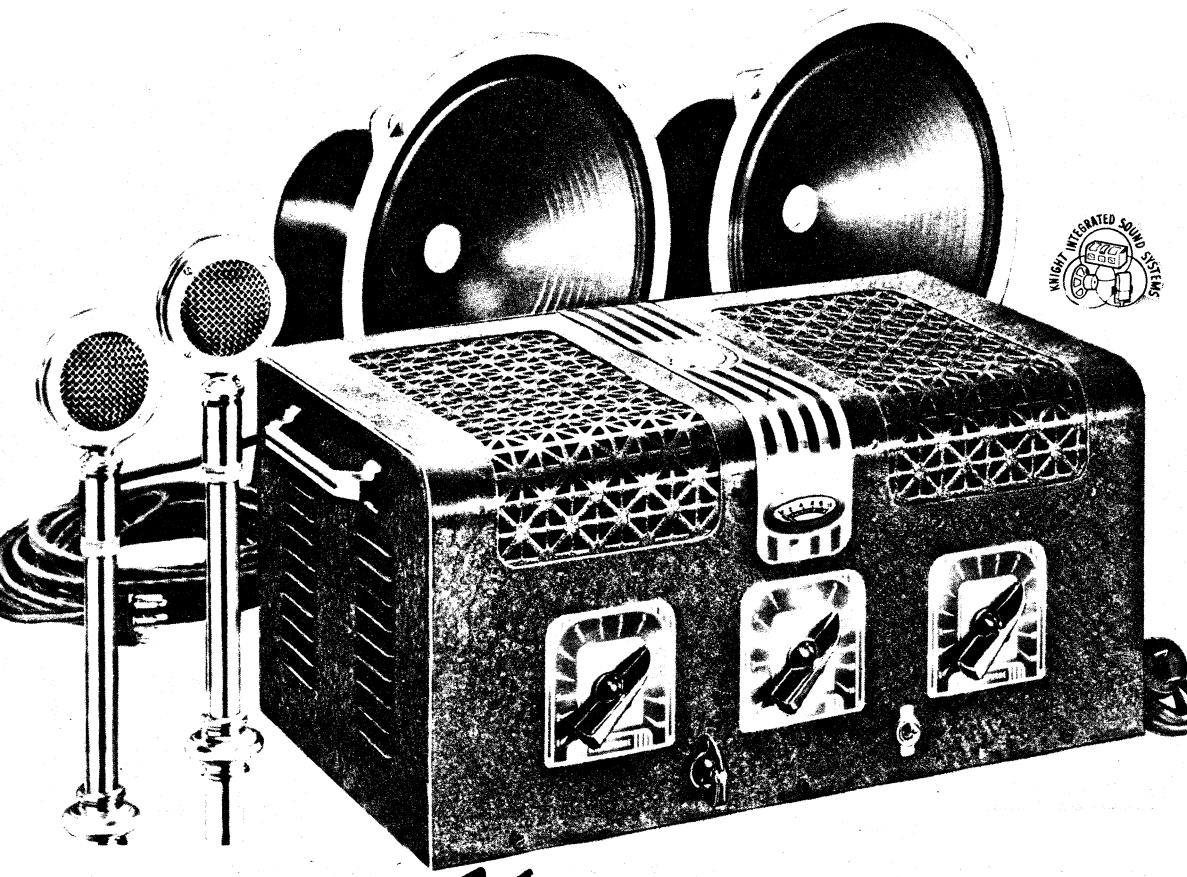
AMPLIFIER ONLY

B12060. Knight 60 Watt Amplifier only, with all features as described. 17x12x8¼". For use on 110 volts, 60 cycles, A.C. Less tubes.
List, $100.00.
CASH PRICE..... **$49.95**

B12075. Raytheon Tube Kit.
NET..... **$9.61**



KNIGHT INTEGRATED SOUND SYSTEMS



COMPLETE 35 WATT CRYSTAL SYSTEM

$99.50 CASH PRICE

SEE PAGE 70 FOR TIME PAYMENT PLAN

FEATURES:

- **2 Universal Mike Inputs**
- **Output Indicator**
- **Electronic Mixer**
- **Phono Input**
- **6L6 Beam Power**
- **Universal Output**
- **Metal Tubes**
- **Polarized Connections**
- **Tone Control**
- **Full 35 Watts**
- **Modern Design**

The new Knight 35 Watt High Gain Sound Systems are manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America.

DUAL CRYSTAL MIKES

The built-in dual channel pre-amplifier incorporated in the **Knight 35 Watt High-Gain Amplifier** permits the direct use of two of the new dual-diaphragm type Astatic Crystal microphones which are of the finest quality available. The three-channel electronic mixer allows blending or fading of both microphones as desired. The use of the two crystal microphones permits high quality wider-range pickup; also allows versatile pickup of voice or music, strengthening and reinforcing the softer musical passages and instruments.

Knight 35 WATT

35 WATT SYSTEM WITH 2 CRYSTAL MICROPHONES

A powerful new 35 Watt High-Gain Sound System delivering a giant output of 35 watts with wide-range fidelity, at a remarkably low price. Uses two high-grade new type dual-diaphragm Astatic Crystal Microphones. Especially developed for excellent service where large coverage and fine tone quality are desired. Suitable for use by orchestras, for church and school, for auditorium and hall platform use; for theater stage presentation; for outdoor pageants, field days, etc. Also recommended for dance halls, convention halls, skating rinks, athletic fields, etc. The **Knight High-Gain Integrated Sound System** with two Crystal Microphones develops full 35 watts output. Has four high-gain stages using 2—6J7, 2—6N7, 1—6C5, 2—6L6, and 1—6X5 metal tubes, and 1—83. The frequency response is essentially flat from 50 to 10,000 C.P.S. Hum level is minus 25 db. These fine characteristics assure wide range tonal fidelity and large output without distortion. Input is provided for a high impedance phono pickup as well as for two Crystal Microphones. Individual volume controls permit fading and blending at will. Mixing action is electronically controlled. Tone Control is provided to compensate for varying acoustical conditions. The two giant 12 inch **Knight** Electro-dynamic speakers supplied with the system handle full output, rendering wide-range tonal fidelity. The amplifier supplies all field current.

GIANT 35 WATTS OUTPUT

The newly-designed circuit of the amplifier used in the **Knight 35 Watt Sound System** has 4 high gain stages, using the latest metal tubes as follows: 2—6J7's as pre-amplifier tubes (one for each microphone); 2—6N7's as voltage amplifiers and electronic mixers; 1—6C5 as driver, with 2—6L6's as push-pull Beam Power output stage; and 83 tube is rectifier; 1—6X5 is output indicator tube. This powerful circuit develops a gain of 121 db. permitting the direct use of the two crystal microphones without external pre-amplification. Distortion is less than 7% at full 35 watt output.

WITH OUTPUT INDICATOR

The exclusive new Output Indicator used in the **Knight 35 Watt High-Gain System** enables you to see visually at all times the exact volume level at which the system is operating. Giant 35 watts output is consistently assured by the powerful circuit using 2—6L6's as push-pull Beam Power Output Stage. The **Knight 35 Watt High-Gain System** is built along entirely modern lines, incorporating exclusive new features in both design and construction. The amplifier is entirely housed in a brown wrinkle-finished steel case with distinctive roll-top; attractively set off by curved grill-work, handsome chromium and brown dial plates and output indicator strip. Truly professional in appearance and performance. (For further descriptive details, see next page.)

3 CHANNEL MIXER

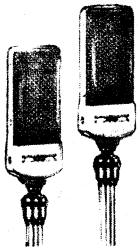
A unique circuit is provided for complete easy control of the **Knight 3 Channel 35 Watt Amplifier.** A separate volume control is provided for each crystal microphone and for phonograph. This arrangement permits full control of any degree of blending or "mixing" as desired. One or both microphones may be used for singing or speech against a soft musical background from phono or orchestra. Tone Control is also provided to accentuate bass or treble and to compensate for unfavorable acoustical conditions. This control design gives the **Knight 35 Watt System** unusual versatility.

COMPLETE CRYSTAL SYSTEM

The complete **Knight 35 Watt High-Gain Crystal Microphone System** includes: 1—**Knight** 35 Watt Amplifier; 2—Astatic Crystal Microphones with 25 foot cables and polarized plugs; 2—**Knight** Adjustable Microphone Floor Stands; 2—12 inch **Knight** Dynamic Speakers with 30 foot cables and polarized plugs; complete Raytheon tube kit and instructions. Shpg. wt., 73 lbs. For 110 volts, 60 cycles, A.C.

B12036. Complete 35 Watt High-Gain Crystal Microphone System.
List, $200.00.
CASH PRICE..... $99.50

(See Page 86 for Portable Cases.) SEE PAGE 70 FOR TIME PAYMENT PLAN.



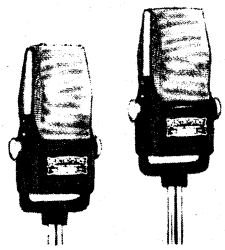
VELOTRON SYSTEM

The **Knight 35 Watt Sound System** is offered complete as described with 2 new-type static-velocity Velotron Microphones as illustrated immediately above. These microphones are noted for their excellent fidelity range for both voice and music. System comes complete as follows: 1—**Knight** 35 Watt Amplifier; 2—Velotron Microphones with 25 foot cables and polarized plugs; 2—Knight microphone floor stands; 2—12 inch **Knight** dynamic speakers with 30 foot cables and polarized plugs; complete Raytheon tube kit and instructions.

B12037.
List, $185.00.

CASH PRICE.....

$92.50



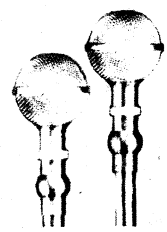
VELOCITY SYSTEM

The **Knight 35 Watt System** is offered also with two high-grade Velocity Microphones. Developed especially for applications demanding exceptionally faithful and true reproduction of both voice and music. System comes complete as follows: 1—**Knight** 35 Watt Amplifier; 2—Velocity Microphones with 20 foot cables and polarized plugs; 2—**Knight** microphone floor stands; 2—12 inch Knight dynamic speakers with 30 foot cables and polarized plugs; Raytheon tubes and instructions.

B12038.
List, $215.00.

CASH PRICE.....

$107.50



SOUND CELL SYSTEM

The **Knight 35 Watt Sound System** is further available with 2 genuine Brush Sound Cell Microphones. They feature 360° pickup, very small size and unusually wide frequency response. Excellent for high quality orchestral and choral reinforcement. Complete system includes: 1—**Knight** 35 Watt Amplifier; 2—Sound Cell Microphones with 25 foot cables and polarized plugs; 2—**Knight** microphone floor stands; 2—12 inch **Knight** dynamic speakers with 30 foot cables and polarized plugs; complete Raytheon tube kit and instructions.

B12039.
List, $225.00.

CASH PRICE.....

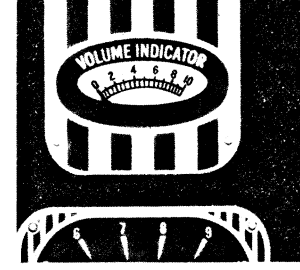
$112.50

You can now buy any of the above Knight 35 Watt Sound Systems on our convenient Time Payment Plan. See Page 70 for complete details. Pay for your Knight P. A. equipment as you use it! You will like our attractive easy-to-pay terms.



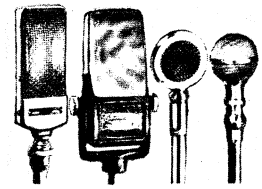
USES 2 MIKES AT ONCE

The **Knight 35 Watt Amplifier** permits the simultaneous use of any two high-impedance microphones such as diaphragm-type Crystal, Velotron, Velocity or Sound Cell types. All of these types are offered below on this page and the next in complete high-grade 35 Watt Sound System. You can have your choice of any of this fine mike equipment.



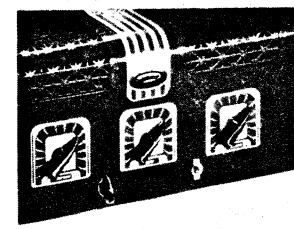
OUTPUT INDICATOR

An exclusive new **Knight** feature! Has easy-to-read calibrated scale which indicates power output and makes it possible to readily maintain any power level desired. No more guessing; you always know at what volume level the amplifier is operating. Reference chart furnished shows calibrated output in watts.



CHOICE OF MIKES

The **Knight 35 Watt High-Gain Amplifier** will operate with any type high-impedance microphones. We offer a choice of dual-diaphragm Crystal, static-velocity Velotron, Velocity, and Brush Sound Cell Microphones. Each **Knight 35 Watt System** offers you maximum performance and maximum quality. You get more value from **ALLIED.**



3 CHANNEL MIXER

Separate volume controls for each microphone and for phono are provided in the **Knight 35 Watt System.** Mixing of all three (two mikes and one phono) is accomplished electronically within the "mixing" tubes. Each control functions independently and has no effect on the others.

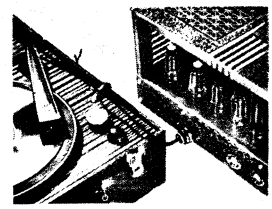
3 CHANNEL HIGH-GAIN SOUND SYSTEMS

UNIVERSAL MIKE INPUT

The **Knight 35 Watt High-Gain Amplifier** will give splendid results with any type high-impedance microphones. We have selected and offered on these pages a fine choice of associated microphone equipment in four complete 35 Watt High-Gain Sound Systems. You have your choice of a system equipped with two of the latest dual-diaphragm Crystal Microphones, offering splendid quality at a very moderate price; a system with two of the new static-velocity Velotron Microphones for somewhat wider frequency range; a system with two high-grade Velocity Microphones for high quality voice and music work; and a system with two Brush Sound Cell Microphones for applications demanding the very finest studio quality sound performance. This large choice of microphone equipment permits **Knight 35 Watt High-Gain Sound Systems** to meet practically any Public Address or Sound application where giant coverage and excellent tonal fidelity are required.

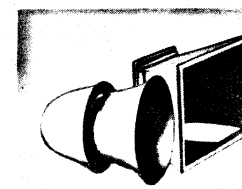
LARGE POWER—LOW COST

For installations requiring giant output with good tonal quality at a reasonable price, the **Knight 35 Watt High-Gain Dual Microphone Systems** are the logical answer. They are remarkable for their simplicity and completeness, and for ease of installation and operation. Anyone can set these systems up for operation in just a few minutes. They have a multitude of applications, including use for large political meetings, for skating rinks, for dramatic performances, for large orchestras, for athletic fields, etc. Ideal large power, low-cost sound systems which offer versatile high fidelity microphone reproduction and brilliant phonograph performance. **Knight 35 Watt Integrated High-Gain Sound Systems** represent value that cannot be surpassed at anywhere near **ALLIED'S** low prices.



PHONO INPUT

Provision is made for plugging in high-impedance phonograph pickup. Separate volume control for phonograph permits its use individually or with microphones, as desired. For suitable Portable Phonographs, see Page 85. **Knight 35 Watt Systems** with matched components assure the very finest in high quality sound results.



BAFFLES

For even better sound coverage, indoors or outdoors (where speakers are not mounted on large, flat baffles) we suggest the use of the projectors and directional baffles shown on page 86. Weatherproof outdoor types as well as indoor types are shown.

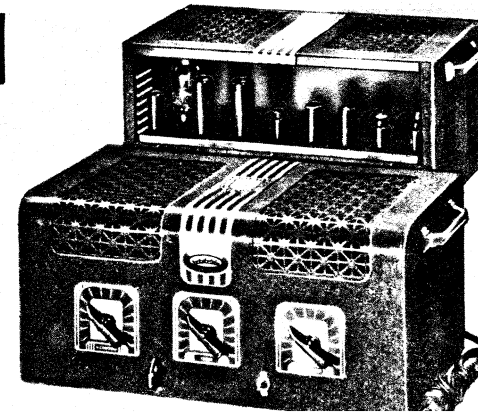
Knight 35 WATT AMPLIFIER ONLY

The **Knight 35 Watt High Gain Amplifier** is available separately for replacement in high grade sound systems or as initial equipment. Has input for two high impedance microphones, and phonograph. Four high gain stages develop a gain of 121 db. permitting the direct use of low-level microphones without external pre-amplification. Uses 2—6J7, 2—6N7, 1—6C5, 2—6L6, 1—6X5 metal tubes, 1—83 rectifier. The amplifier has an exceptionally wide frequency response essentially flat from 50 to 10,000 cycles. Distortion is less than 7% at full 35 watt output. Hum level is minus 25 db. Field supply for 2—4000 ohm dynamic speakers is built in. Output is universal, tapped at 4, 8, 16 and 500 ohms. Polarized receptacles for microphones and speakers are provided. Equipped with individual volume controls for each microphone and for phonograph. A tone control is also provided to attenuate the higher frequencies where "feedback" may be encountered. The A.C. switch is located on the front panel. Modern case measures 17x12x8¼ inches. Brown wrinkle finish, with chromium and brown control plates and output indicator strip. For 110 volts, 60 cycles A.C. Shpg. wt., 33 lbs.

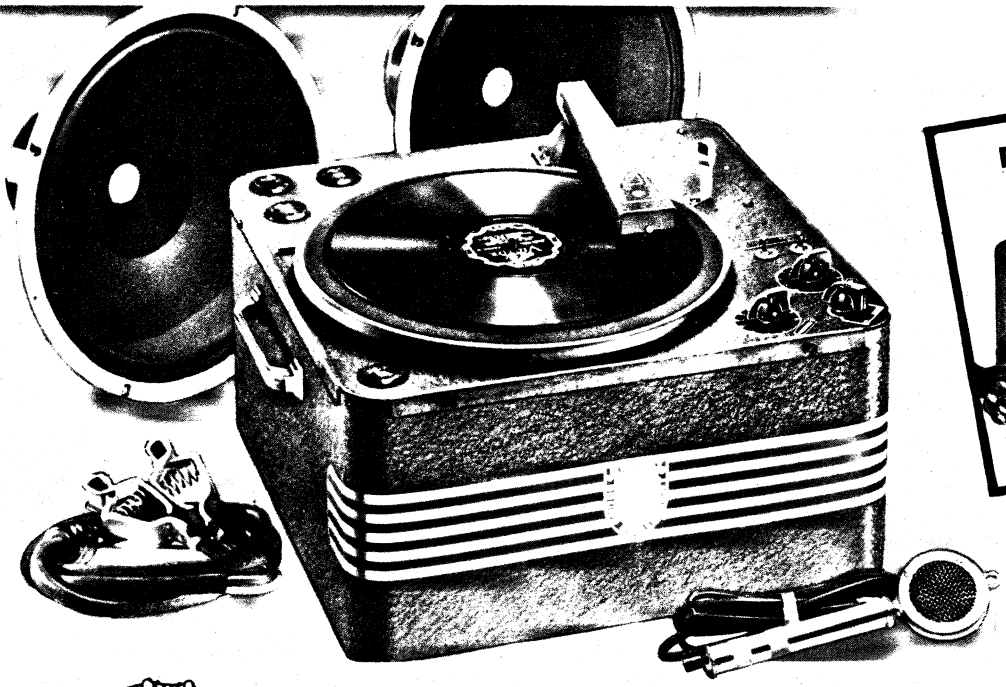
B12035. 35 Watt Amplifier, less tubes.
List, $87.50. **CASH PRICE**.....

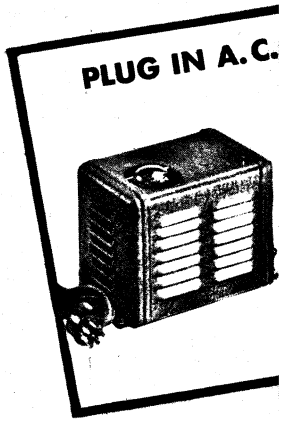
$43.50

B12074. Raytheon Tube Kit. NET.....$7.94
(For Portable Amplifier Case, see Page 86.)



NOW! POWERFUL P. A. FROM 6





FULLY L



KNIGHT 20 WATT MOBILE SYSTEM COMPLETE, CASH PRICE

$107.50 WITH TUBES

SEE PAGE 70 FOR COMPLETE DETAILS OF OUR NEW CONVENIENT TIME PAYMENT PLAN. EARN WITH THIS KNIGHT P. A. EQUIPMENT WHILE YOU PAY!

20 WATT MOBILE SYSTEM

An entirely new powerful Public Address System designed for versatile performance. Operates directly and entirely from a single 6 volt storage battery wherever AC current is not available, or may be used on 110 Volts AC current simply by adding the inexpensive power pack listed below. Has truly universal application for mobile or temporary installations both indoors and outdoors, no matter what the current limitations may be. Will cover large crowds with wonderful power and excellent fidelity. Compact and portable. May be simply and quickly installed or changed from car to car or from one place to another. The finest and most efficient mobile-portable sound system available. Features a powerful 20 watt new high-gain circuit for direct operation of a high quality Astatic Dual-diaphragm Crystal Hand Microphone as well as phonograph. Built of the finest components and designed for the utmost simplicity in installation and operation. Beautifully built into a modern brown-wrinkle finished steel case with rounded corners, chromium and brown enamel trim, and heavy chromium carrying handles. Anyone can install and operate the **Knight 20 Watt Mobile System** easily and properly. It is the last word in versatile P.A. performance.

COMPACT—POWERFUL

The complete **Knight 20 Watt Mobile-Portable System** consists of: 1—powerful 20 Watt High-Gain Amplifier, high grade dynamotor, single-speed electric phono motor, good quality magnetic pickup and control panel all self-contained in a single compact modern steel cabinet with carrying handles; 2—new type 12 inch Permanent Magnet Dynamic Speakers with 10 foot cables and polarized plugs; 1—new type Astatic Dual-diaphragm Crystal Hand Microphone with 6 foot cable and polarized plug. Designed to operate directly from a single 6 volt storage battery, but equipped with receptacle for quick connection to special 110 Volt AC power pack described below, to permit efficient operation from any 110 Volt 60 cycle AC line. The powerful 20 Watt High-Gain Amplifier uses six new type tubes in an efficient 4 stage circuit with a gain of 115 db. Tubes used are: 1—6C6, 2—76, and 3—6A6. The amplifier has an essentially flat frequency response from 80 to 10,000 C.P.S.

COMPLETE 20 WATT SYSTEM

The **Knight 20 Watt High-Gain Mobile-Portable System** is offered for operation from a 6 Volt storage battery only (110 Volts, 60 cycles AC power pack is listed below), complete as follows: 1—20 Watt High-Gain Amplifier, mixing panel, and phonograph in steel cabinet, with 2—12 inch Permanent Magnet Dynamic Speakers with cables and plugs, Astatic Crystal Hand Microphone with cable and plug, and complete operating instructions. Cabinet measures 11¾"x14"x16". Shpg. wt., 85 lbs.

B12030. Complete 6 Volt 20 Watt System. List Price, $215.00. **CASH PRICE, with tubes..... $107.50**

B12031. SPECIAL PLUG-IN 110 VOLT 60 CYCLE AC POWER PACK. Permits complete operation of above system from any 110 Volt, 60 cycle AC line. Complete with tube. List, $25.00. **YOUR PRICE..... $11.95**

BUILT-IN MIXER

The built-in control panel conveniently located on the top face of the steel amplifier cabinet carries separate volume controls for the microphone and phono pickup, permitting blending and "mixing" of voice or music as desired. Also includes tone control as well as "on-off" switch and bull's-eye and "stand-by" switch. Polarized receptacles are provided for plugging in microphone, speakers, "A" cable and 110 Volt AC power pack. May be installed completely, disconnected, or changed from 6 volts to 110 volts source quickly and easily.

NEW CRYSTAL MIKE

The built-in preamplifier incorporated in the **Knight 20 Watt High-Gain Portable-Mobile Amplifier** permits the direct use of a new type Astatic Dual-diaphragm Watch-case Crystal Hand Microphone. The use of this new microphone assures exceptional fidelity of voice reproduction and an outstanding quality of tone never before possible in a mobile sound installation. The convenient compact size of the Astatic Crystal Hand Microphone permits its use practically anywhere. It has the ruggedness and quality essential es pecially for mobile work.

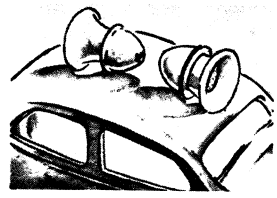
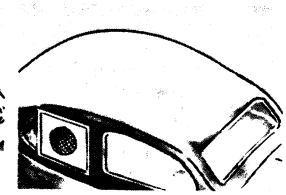
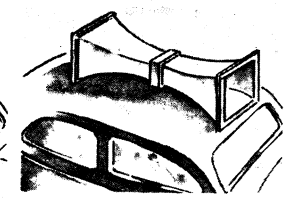


Illustration above shows typical sound car speaker installation using directional aluminum baffles for splendid sound coverage. See page 86 for complete description. These baffles make an effective, sturdy and attractive installation, and may easily be taken down for use indoors. Add these low cost baffles to your order.



Flat speaker baffles built into the side of the sound car are illustrated above. These baffles may be easily and inexpensively constructed out of heavy plywood or any other soft wood. May be painted to harmonize with finish of sound car. This type of baffle gives excellent side coverage at low cost.



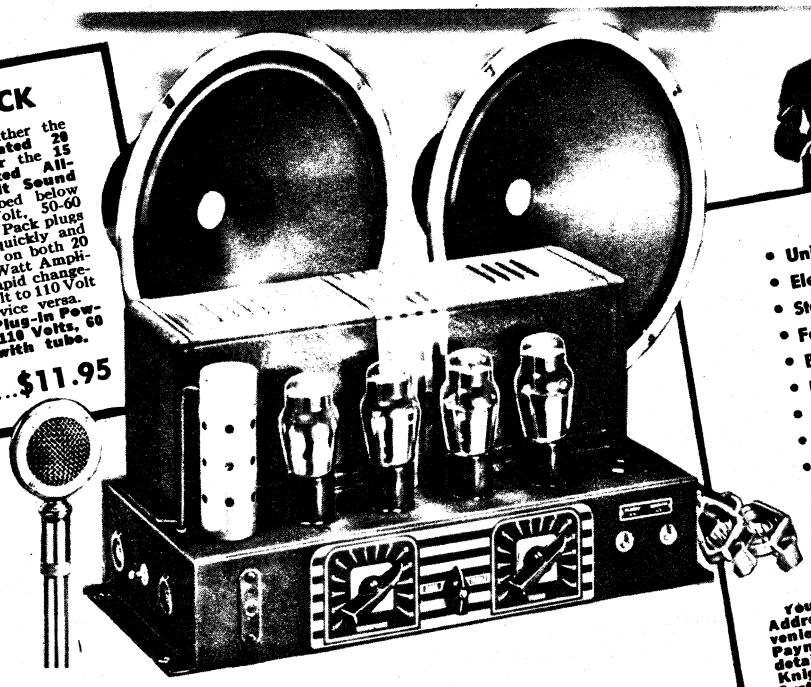
Another method of mounting speakers on sound car. Here, weatherproof directional baffles are used. These baffles are described on page 86. They are low-priced, effective units, built of weatherproof material, attractively finished in aluminum. These baffles distribute sound over a wide area.

VOLTS D. C. OR 110 VOLTS A. C.

POWER PACK

Will operate either the Knight Integrated 20 Watt Mobile or the 15 Watt Integrated All-Purpose 6 Volt Sound Systems described below on any 110 Volt, 50-60 cycle AC lines. Pack plugs into amplifier quickly and easily. Switch on both 20 Watt and 15 Watt Amplifiers permits rapid change-over from 6 Volt to 110 Volt operation or vice versa. **B12031. Plug-in Power Pack for 110 Volts, 60 cycles AC with tube.** List, $25.00. **YOUR PRICE.....$11.95**

CENSED





FEATURES:

- Universal Mike Input
- Electronic Mixer
- Stand-by Switch
- For 6 V. DC or 110 V. AC
- Built-in Preamplifier
- Phonograph Input
- Polarized Receptacles
- New P.M. Speakers
- Full 15 Watts Output

The Knight 15 Watt All-Purpose System is manufactured under license arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.

You can now buy your Public Address Equipment on our convenient and attractive new Time Payment Plan. See page 70 for full details. Put the versatile new Knight 15 Watt All-Purpose System to work earning profits for you while you pay for it.

15 WATT *All Purpose* SYSTEM

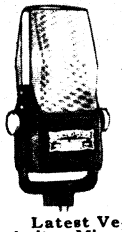
A new attractively-priced 15 Watt All-Purpose Sound System. Operates entirely and directly from a single 6 Volt storage battery wherever AC current is not available, or may be operated from 110 Volts AC current simply by adding the plug-in Power Pack listed below. Delivers full 15 watts power output with good coverage. Ideal for all public address applications that require universal use in both city and rural areas. The 15 Watt Amplifier has universal input permitting the use of any high-impedance microphone. We offer below a choice of systems using diaphragm type Crystal, Velotron, Velocity, or Sound Cell Microphones. Input is also provided for a high-impedance magnetic phono pickup. A polarized receptacle on the amplifier permits its use with the special portable phonograph listed below on either 6 Volts DC or 110 Volts AC.

LATEST HIGH-GAIN CIRCUIT

The 15 Watt Amplifier incorporates the most recent high-gain circuit. Four high-gain stages are employed using: 1—6C6 as mike pre-amplifier; 1—6A6 as Electronic Mixer and voltage amplifier; 1—6A6 as phase inverter and driver; 2—6B5 as push-pull power amplifiers. This modern tube combination assures full 15 watts output with a gain of 113 db. for microphone and 65 db. for phono. The frequency response is essentially flat from 80 to 10,000 cycles. Current drain from a 6 volt storage battery is about 14 amperes; drain using AC pack is approximately 100 watts. A built-in sturdy genemotor furnishes "B" current dependably for 6 volt operation. A "stand-by" switch is provided; saves current by keeping the tubes warm for immediate operation while the amplifier itself is turned off. A snap of this switch puts the amplifier into operation without waiting.



The new static-velocity Velotron Microphone—features exceptional sensitivity, wide range fidelity, attractive design and compact size. Has unusually fine tonal sensitivity.



Latest Velocity Microphone — especially suited for orchestral and solo work. Has exceptionally fine quality on both voice and music. A fine new mike.



Brush Sound Cell Microphone—features 360 degrees pickup—compact size—has broadcast studio quality—ideal for group and choral work.

The **Knight 15 Watt Amplifier** is styled along modern lines. It is housed in a metal case, finished in a warm brown-wrinkle. Has attractive chromium and brown control plate with matching brown bakelite bar knobs. Separate volume controls are provided for microphone and phonograph so that they may be blended or mixed at will; "mixing" is electronically controlled. Tone Control is included for emphasis of bass or treble as desired and to compensate for varying acoustical conditions. Input is provided for plugging in two high impedance microphones; a switch cuts either one in at will. Two giant 12 inch new type permanent magnet dynamic speakers using new special alloy magnets handle full output adequately with wide tonal response. Polarized receptacles are provided for microphones, speakers and phonograph motor.

15 WATT CRYSTAL SYSTEM

The **Knight 15 Watt All-Purpose High-Gain System** is offered complete for 6 Volt operation, with dual-diaphragm Crystal Microphone as illustrated above. Includes: 1—**Knight** 15 Watt All-Purpose Amplifier; 2—**Knight** 12" P.M. Dynamic Speakers complete with 30 foot cables and polarized plugs; 1—Astatic dual-diaphragm Crystal Microphone with 25 foot special microphone cable and polarized plug; 1—**Knight** Floor Stand; complete kit of Raytheon tubes, and full operating instructions. For 6 Volt operation only. Shpg. wt., 60 lbs.
B12040. List, $170.00.
CASH PRICE.....**$84.50**

B12031. Special Plug-in AC Power Pack. Permits complete operation of above system from 110 Volt, 60 cycle AC line. Complete with tube. List, $25.00. **NET**.....**$11.95**

B12044. Special Portable Phonograph. Operates with Knight 15 Watt Amplifier on 6 Volts DC or 110 Volt AC. (Must not be used directly on 110 Volts AC.) List, $55.00. **NET**...**$27.50**

COMPLETE VELOTRON SYSTEM

The **Knight 15 Watt 6 Volt All-Purpose Sound System** complete as described above but with new **Velotron Microphone** instead of Crystal Microphone. Less Plug-in 110 Volt Pack.
B12041. List, $160.00.
CASH PRICE.....**$79.50**

COMPLETE VELOCITY SYSTEM

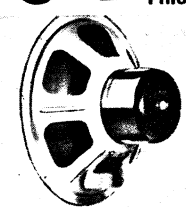
The **Knight 15 Watt 6 Volt All-Purpose Sound System** complete exactly as described above but with high grade **Velocity Microphone.** Less Plug-in 110 Volt Power Pack.
B12042. List, $180.00.
CASH PRICE.....**$89.50**

COMPLETE SOUND CELL SYSTEM

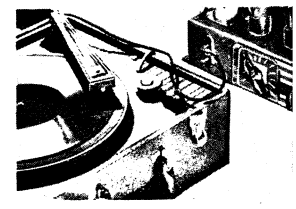
The **Knight 15 Watt 6 Volt All-Purpose Sound System,** complete as described but furnished with **Brush Sound Cell Microphone.** Less 110 Volt Power Pack.
B12043. List, $185.00.
CASH PRICE.....**$91.50**

Crystal System

$84.50 CASH PRICE



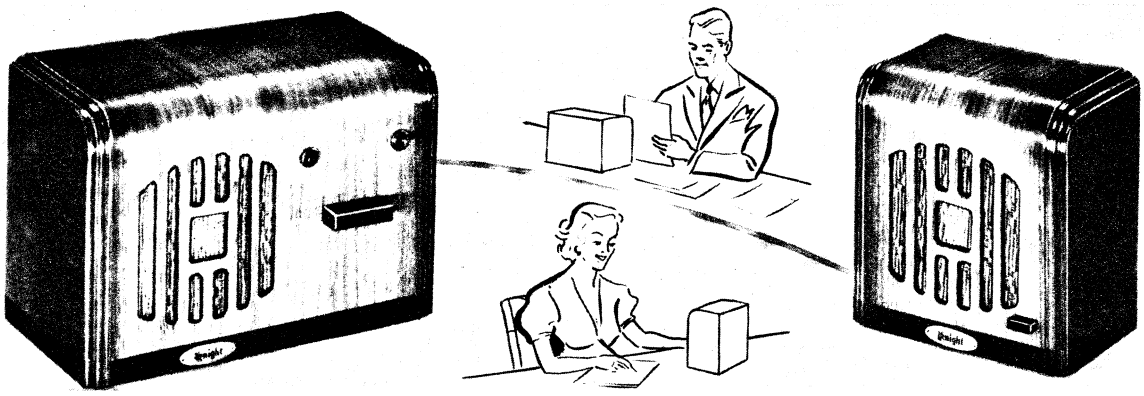
Two giant new 12 inch Permanent Magnet Dynamic Speakers using special magnetic alloys in their fields are provided with the new **Knight 15 Watt Systems.** They are amazingly efficient, handling full output without overloading and with absolute tonal fidelity.



The **Knight 15 Watt All-Purpose Amplifier** has plug-in input for high impedance magnetic phono pickup. May be hooked up instantly by means of convenient pin tip leads. See our listing of new special portable phonograph above at left.

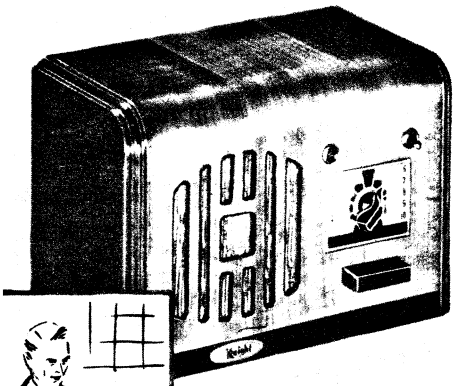
Take advantage of ALLIED'S attractive Time Payment Plan. See table on page 70 for attractive terms. You can use these Knight 15 Watt Systems and earn while you pay.

Here are the Latest Practical Low Cost
INTERCOMMUNICATION SYSTEMS



The splendid new **Knight Intercommunication Sound Systems** described on this page will adequately serve modern businesses, homes and institutions, providing instant communication between two or more points with outstanding tonal clarity and power. These systems save time and money and will pay for themselves many times over. They are ideal for:

Business Offices
Private Residences
Stores
Factories
Clubs & Lodges
Parking Lots
All Schools
Hospitals
Weighmasters
Garages
Newspapers
Brokerage Offices, etc.





COMPLETE 2 WAY SYSTEM

Here is an entirely new **Knight Intercommunication Sound System** with distinct advantages. Permits instant automatic direct communication between two (or more) points with excellent volume and clarity. May be used between offices or between rooms and floors in homes and offices; suitable for paging and calling in factories, schools and hospitals, or for conversation between store and stockroom, house and garage, etc. The complete standard system as illustrated consists of one compact station unit (7" x 7½" x 5"), and one central unit (11¼" x 7½" x 6"), containing amplifier and tubes, (shown at left above) with 50 feet of transmission cable with plugs at each end. Each station unit is made up of a high grade permanent-magnet combination speaker-microphone housed in an attractive walnut cabinet, with "Talk-Listen" switch. The amplifier unit uses 1—6C6, 1—25L6, 1—25Z5, and 1—Ballast tube and operates on 110 Volts, either A.C. or D.C. Installation can be made in a few minutes by simply plugging in. Easy to operate. You merely press the switch lever to talk and release it to listen. No need to shout—just speak normally. Tone quality is perfectly natural. Additional station units may be added as desired up to a total of five for "common talk" operation (all stations working simultaneously).

B12080. Complete Knight Intercom System including 1—Station Unit, 1—Central Unit, with tubes, 50 feet of cable and polarized connecting plugs and instructions.
List, $48.00. **YOUR PRICE** **$23.95**

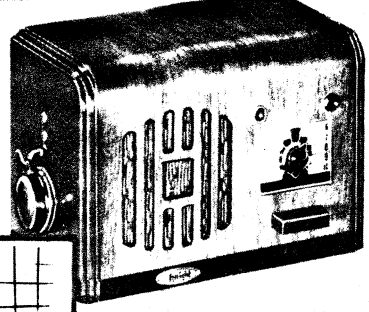
B12081. Additional Station Unit with 50 foot cable and plugs.
List, $18.00. **NET EACH** **$8.95**
B12082. Additional 50 Foot Cable and Plugs. NET EACH **$3.85**

New SUPER-SELECTIVE SYSTEMS
Up to 10 Stations May Be Used

STANDARD SUPER-SELECTIVE SYSTEM

This is a new private Intercommunication System especially desirable for use in executive offices, institutions, etc. Permits direct two-way private communication between any two stations. Any group of two stations may converse privately while another group of two stations is also in private conversation at the same time, without any interference or over-hearing between these groups. The **Knight Super-Selective System** assures absolute privacy. Any station in the system may converse instantaneously and at will with any other station, with no interference or eaves-dropping from any of the other units. The **Knight Super-Selective System** may consist of from two to ten self-powered Station units (illustrated at left), with any amount of desired cable to connect all units. Each Station unit contains an AC-DC 4 tube amplifier using the newest Beam Power tubes. New full-range audio system assures absolutely natural voice quality; special filter circuit eliminates all trace of hum. Each Station unit also incorporates a combination P. M. Speaker-Microphone of newly-perfected design; also has indicating bull's-eye, volume control, power "on-off" switch and noiseless 10-position Station Selector Switch. This Switch permits instant selection of any Station in the System. Operation is extremely easy and convenient. Simply set the selector switch for the desired station—press streamlined "talk-listen" lever to speak and release to listen. The **Knight Super-Selective Systems** are designed for extreme flexibility. You may begin with two or three Stations and add any number up to 10. Each Station Unit is built into attractive walnut case; size: 11¼" x 7½" x 6"; with beautiful hand-rubbed finish. Each Station Unit is equipped with 6 foot multi-conductor cable with color-coded junction box and terminal strip assembled. Simply connect junction boxes by means of cable listed below. Installation of the Super-Selective System is easily and quickly accomplished.

B12090. Complete **Knight Super-Selective Station Unit** as described above, with tubes, 6 foot cable, junction box and instructions, ready to install.
List, $46.00. **YOUR PRICE EACH STATION** **$22.95**
(Up to 10 of these stations may be used.)
B12092. Multi-conductor color-coded Connecting Cable for inter-connecting above Super-Selective Station Units. PER FOOT **10c**
PER 100 FEET **$9.26**





DE LUXE SYSTEM WITH "PRIVACY" EARPHONE

Exactly the same type of System described above but is equipped with sensitive earphone. Assures the complete privacy required by busy executives. Call comes through over speaker, but conversation is made private instantly upon removal of earphone from hook. When using earphone, it is not necessary to operate "Talk-listen" switch; conversation is carried on exactly as over telephone.

B12091. Complete Knight De Luxe Super-Selective Station Unit as described, with earphone, tubes, 6 foot cable, junction box and instructions.
List, $59.50. **YOUR PRICE EACH STATION** **$29.75**
B12092. Multi-conductor color-coded Connecting Cable. PER FOOT **10c**
PER 100 FEET **$9.26**

In many installations it is ideal to make up the System with a combination of Standard Station Units coupled with several De Luxe Earphone Units strategically placed where they are needed.

Knight PORTABLE SOUND SYSTEMS

18 WATT *High-Gain* SOUND SYSTEM

An entirely new, completely portable full 18 watt public address system of exceptional power and wide-range fidelity. Uses the new type dual-diaphragm Astatic Crystal Microphone. Designed especially for use by orchestras and lecturers, for demonstration purposes, funeral parlors, churches, political meetings, etc. Complete in every detail. Unusually portable, compact and convenient. Entirely self-contained in a single carrying case, 9¼" x 18½" x 18½". Weighs only 45 lbs. complete. The **Knight 18 Watt Portable Sound System** is also arranged for phonograph input. (See page 85 for suitable portable phonographs.) It is provided with individual volume controls for phonograph and microphone permitting blending or fading in any degree desired. Tone control for bass or treble emphasis is also incorporated. For value, completeness, ready portability, and highest tonal fidelity, the **Knight 18 Watt Portable Sound System** is unrivalled.



WITH DUAL-DIAPHRAGM CRYSTAL MIKE

The new dual-diaphragm Astatic Crystal Microphone is used in the **Knight 18 Watt Sound System.** This high quality microphone is non-directional, picking up sound from any angle. It has an exceptionally fine frequency response from 20 to 10,000 C. P. S. The four-stage amplifier develops a remarkably high gain of 115 db. to utilize the crystal microphone to fullest advantage. Frequency response is essentially flat from 50 to 10,000 C. P. S. The full 18 watt output from the circuit is assured by the use of the following tubes: 1—6C6, 2—6A6, 2—6B5, 1—5Z3. The powerful **Knight** 12 inch Electro-dynamic speaker handles output adequately with splendid tonal response. The **Knight 18 Watt Portable Sound System** is as much distinguished for its attractive appearance as for its performance. The new 18 Watt Amplifier is in a pleasing brown wrinkle-finished metal case with harmonious chromium and brown control panel and transformer case trim. Really modern in design.

COMPLETE 18 WATT SYSTEM

The complete **Knight 18 Watt Portable Sound System** includes: 1—18 watt high-gain amplifier; 1—dual diaphragm crystal microphone mounted on 10 inch banquet stand with 25 foot cable and polarized plug; 1—12 inch **Knight** dynamic speaker with 30 foot cable and plug. Entirely self-contained in a single sturdy carrying case. Complete with tubes and instructions. For operation on 110 Volts, 60 cycles AC. Shpg. wt., 51 lbs.

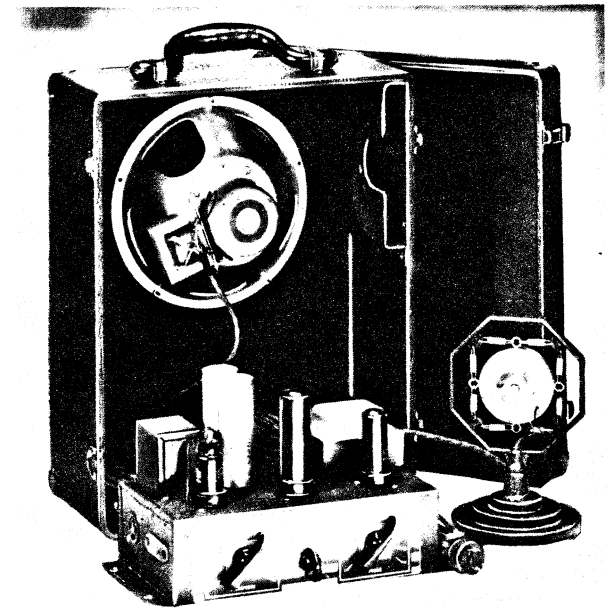
$64.50

B12023. List, $130.00.
CASH PRICE COMPLETE.....

(Extra speaker in portable case is available at $9.75. The above system can also be had with a Knight floor stand instead of banquet stand at no extra cost.) **Make your P. A. order total up to $75 or more and buy your Knight sound equipment on our convenient time payment plan.**

Knight 8 WATT STANDARD SOUND SYSTEM





A compact new portable sound system of modern design. Delivers a full output of 8 watts for dependable inexpensive performance. Very suitable for use in store demonstrations, small halls, churches, club-rooms, sales talks, side-shows, etc. Has real advantages in compactness and completeness. The entire system is completely contained in a single leatherette-covered carrying case, 8½"x12¾"x 16¾". Weighs only 24 lbs. Includes the following: 1—**Knight** "Little Giant" Standard Amplifier; high quality carbon microphone in desk stand with 25 foot cable and polarized plug; 1—8½" electro-dynamic speaker mounted in case, with 25 foot cable and polarized plug. Uses the latest new metal tubes throughout for complete stability and for space economy. No external batteries or mixers are required; microphone transformer and current supply are built in. Has input for phonograph as well as for microphone.

COMPACT—PORTABLE—INEXPENSIVE

The **Knight 8 Watt Standard Portable System** is an unusual value in a high quality small portable public address system. Has unusual modern features. Provided with individual volume controls for microphone and phonograph to permit "mixing" action. Tone control allows accentuation of bass or treble as desired and compensates for varying acoustical conditions. All controls are conveniently grouped on the modern attractive front panel which is strikingly finished in chromium with harmonious brown enamel trim. Full 8 watts output and a minimum of distortion are assured by the use of the powerful new Electron Beam Power 6L6 metal output tube. A 6J7 is used as voltage amplifier; with 5Z4 as rectifier. The finest quality double-button carbon microphone is used for good fidelity pickup; mounted in a 9 inch desk stand for convenient use. The full 8½ inch **Knight** electro-dynamic speaker handles volume adequately with exceptionally fine tone quality.

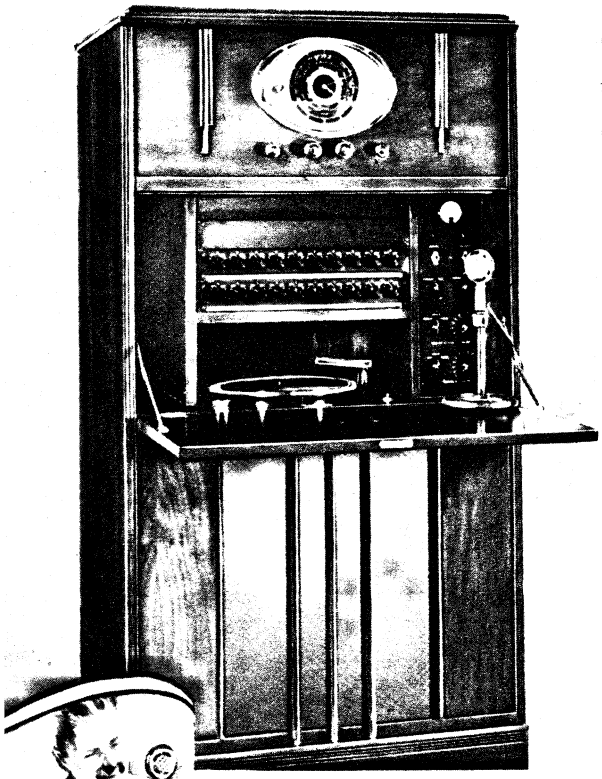
COMPLETE 8 WATT STANDARD SYSTEM

The **Knight 8 Watt Standard Sound System** comes complete in the sturdy attractive carrying case illustrated. Includes: 1—**Knight** 8 watt Metal Tube Amplifier; 1—high quality carbon microphone in desk stand with 25 foot cable and polarized plug; 1—**Knight** 8½ inch electro-dynamic speaker with 25 foot cable and polarized plug—all in a single unit carrying case. For operation on 110 volts, 60 cycles, AC. Shipping weight, 40 lbs. This high quality low-cost **Knight 8 Watt Portable Sound System** has hundreds of useful applications.

$29.75

B12010. Complete with tubes.
List, $60.00. **YOUR PRICE**.....
See Page 85 for suitable Portable Phonograph.

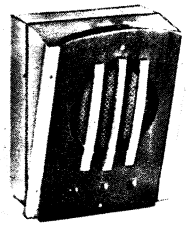
Knight Low-Priced
INSTITUTIONAL SOUND SYSTEMS







Illustrated at right is the handsome and efficient wall-type Jensen speaker which is noted for its excellent fidelity and fine coverage. This type of high fidelity speaker is perfectly matched to the **Knight System** described above at right.



EFFECTIVE SOUND DISTRIBUTION FOR SCHOOLS, HOSPITALS, HOTELS, ETC.

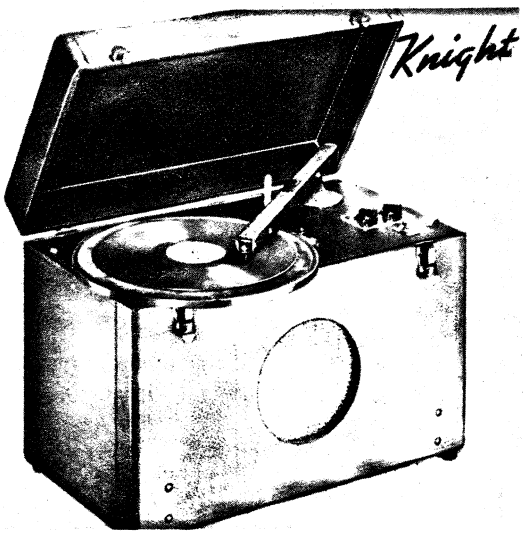
ALLIED now makes available a complete line of custom-built Sound Systems designed to meet the sound distribution needs of schools, hospitals, hotels, department stores, etc. This equipment is the product of considerable experience in filling the special sound needs of innumerable institutions, both large and small. The new **Knight Institutional Sound Systems** are distinguished for their completeness, their adaptability for future expansion, their outstanding quality and their low cost. Every conceivable Institutional sound need can be covered by this type of **Knight** system. In schools, it is invaluable in supplementing the regular educational program by means of radio and record distribution. It has further advantages for assembly work, for individual class room contact, for alarms, etc. In hospitals, hotels, etc., perfect radio and record distribution is available for patients and guests. Each **Knight System** is hand-built to meet the requirements of the institution for which it is intended. It is built into an attractive wood cabinet of harmonious design to blend with any setting. While the size of the system may vary, basic built-in equipment includes a powerful high quality amplifier, all-wave radio tuner, 2 speed phonograph, program selector panels, speaker selection and distribution controls, volume level indicator, and monitor speaker. A high quality Crystal Microphone is included and Jensen wall type peridynamic speakers are supplied. **Knight Institutional Sound Systems** are available with single or dual channel input, to operate practically any number of speakers. "Talk-back" or "monitor" feature may also be included if desired. There is a **Knight Sound Distribution System** for every need and requirement.

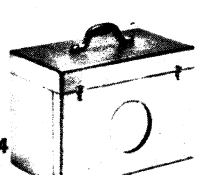
KNIGHT DE LUXE 10 SPEAKER SYSTEM

A typical **Knight Institutional Sound System** is illustrated at the left. It is available in basic form for sound distribution to 10 rooms. (Additional channels and speakers may be added.) The complete system includes: All-Wave radio tuner; dual-speed phonograph; program selector panel; ten speaker control panel; high quality 18 watt high-gain amplifier; monitor speaker—all built into a massive cabinet of selected wood, hand-rubbed to a splendid walnut finish. An Astatic Dual-diaphragm Crystal Microphone with banquet stand and 25 foot cable is included together with 10—Jensen Permanent Magnet wall-type inclined-baffle room speakers. Supplied complete with tubes. For 110 volts, 60 cycles A.C. Less speaker cables.

B12051. Complete 10 Speaker System as described. YOUR PRICE..... **$375.00**

We can supply custom-built Sound Distribution Systems designed and built to required specifications. We are prepared to make complete recommendations and to supply suitable equipment at lowest prices to meet any institutional sound requirement, regardless of size.







TRANSCRIPTION REPRODUCER AND RECORD PLAYER

This fine new instrument answers the demand for a portable, versatile, high-quality transcription reproducer and record player. Meets the needs of schools, broadcast studios, government agencies, advertising agencies and all other institutions and services requiring good fidelity reproduction of all types of transcriptions and recordings. Consists of a built-in amplifier unit for 110 Volts AC or DC operation which has an output of 4 watts; a universal high-grade dual-speed Green Flyer motor with 12-inch turntable which operates from 110 Volts, either AC or DC; a 12-inch Astatic Crystal pickup which will handle all 8, 10 or 12-inch recordings as well as 16-inch transcriptions; an 8-inch high-fidelity permanent-magnet speaker with 25-foot cable in removable front cover—all contained in a single sturdy portable leatherette-covered carrying case, 19½ x 11¼ x 14". With handle.

PLAYS 10" & 16" RECORDS ON 110 V. AC OR DC

The new **Knight** Transcription Reproducer and Record Player has been designed for maximum versatility in operation. It especially answers the need for reproduction of recorded advertising or educational programs on 16-inch discs and is also very suitable for the high-grade reproduction of all standard recordings. The universal character of both amplifier and phonograph equipment makes the **Knight** Transcription Reproducer suitable for use on any 110 volt line, AC or DC. The amplifier has been especially developed to give maximum fidelity with the Astatic Crystal pickup and has a scratch-filter built in for elimination of surface noise. The latest Beam Power tubes are employed for maximum output on DC as well as AC. The amplifier has a gain control for accurate volume-setting and is equipped with Tone Control which permits accentuation of bass or treble ranges as desired. The dual-speed phono motor is equipped with speed regulator, speed-shift lever (33⅓ or 78 R.P.M.), and AC-DC switch. All controls are grouped conveniently on top panel of portable case.

B10082. Knight Transcription Reproducer complete as described. YOUR PRICE..... **$54.50**





ELECTRIC PORTABLE PHONOGRAPHS

LOW-COST SINGLE-SPEED MODEL

A dependable portable electric phonograph, suitable for use with any amplifier or radio set having a high-impedance phono input circuit. Incorporates a high-grade single-speed 78 R.P.M. motor, self-starting synchronous type; maintains constant speed regardless of line voltage variations. Equipped with 12 inch turntable. Uses flat type magnetic pickup which has excellent frequency response. Pickup cord is equipped with convenient phone tip ends. Includes built-in volume control. Has needle cup. The entire assembly is housed in a compact, sturdy leatherette-covered case which measures 15¾"x13¾"x4¾" open; 15¾"x13¾"x7" closed. Leather carrying handle is securely riveted on top. Entire unit is light in weight; compactly built for easy portability. Includes approved 6 foot cord and plug. For operation on 110 Volts, 60 cycles, A.C. Shpg. wt., 29 lbs.

$13.65

B10080. YOUR PRICE.....

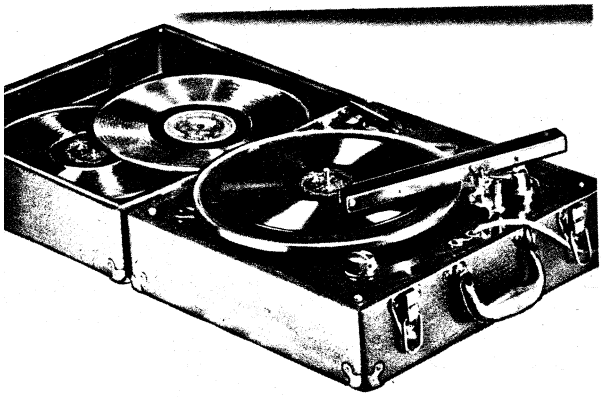
HIGH GRADE DUAL-SPEED MODEL

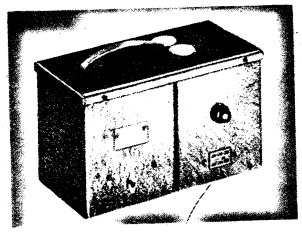
Essential equipment for sound systems. Also suitable for use with any radio set arranged to accommodate a high impedance phonograph. Equipped with the finest self-starting dual-speed (78 and 33⅓ R.P.M.) heavy-duty phonograph motor with weighted, balanced 12 inch turntable. Motor has speed-regulating and speed-shift levers. Incorporates the latest Webster high-fidelity magnetic pickup with built-in volume control. Has pickup cord with convenient phone tip ends. Comes in handsome black leatherette-covered case with metal corners and rubber feet. Has slip-type hinges which allow cover to be removed. Measures 17½"x13¾"x9". Equipped with leather carrying handle which will not loosen or pull off. Fills every requirement for high quality, portable phono equipment. Includes approved 6 foot cord and plug. For operation on 110 Volts, 50-60 cycles, A.C. Shpg. wt., 36 lbs.

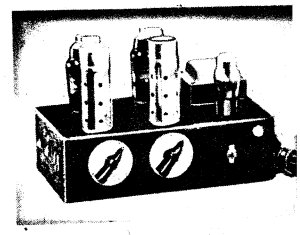
$22.65

B10081. YOUR PRICE.....

THESE PORTABLE ELECTRIC PHONOGRAPHS ARE ESPECIALLY SUITABLE FOR USE WITH ALL KNIGHT SOUND SYSTEMS







PACKARD AUTOMATIC RECORD CHANGERS

A completely dependable Automatic Record Changer; two speed type; will play either 78 or 33⅓ R.P.M. records. Last record will repeat until mechanism is turned off. May be set to repeat or reject any record at will. Motor is governor-controlled, induction type. Operates without noise. Available with either high impedance magnetic pickup or with crystal pickup, either type assuring the very best fidelity of reproduction. For 110 Volts, 60 cycles A.C. operation. Available as mechanism only or in portable case. See below for listings.

MODEL K

Mechanism only, less case. Will play eight 10" records automatically on one side; 12" records may be played manually. Requires mounting space 12" long, 5⅛" high, and 12" wide. For 110 Volts, 60 Cycles. Wt., 26 lbs.

B10085. With Magnetic Pickup.
B10086. With Crystal Pickup.
List, $50.00. EACH

$30.00

MODEL L

Mechanism only, less case. Size 14" wide x 15" long x 5½" high. Will play eight 10" records or seven 12" records automatically. Highly dependable in operation; will give excellent tonal response. Shpg. wt., 26 lbs.

B10087. With Magnetic Pickup.
B10088. With Crystal Pickup.
List, $57.00. EACH

$34.20

IN PORTABLE CARRYING CASES

The Packard Record Changer mechanisms, as listed above, are also available in attractive black leatherette-covered carrying cases, of sturdy, durable design and construction. Ideal for use with portable public address systems, or for demonstration purposes.

MODEL K

B10090. With Magnetic Pickup.
B10091. With Crystal Pickup.
EACH.....**$34.95**

MODEL L

B10092. With Magnetic Pickup.
B10093. With Crystal Pickup.
EACH.....**$39.15**

HIGH-QUALITY LOW-COST KNIGHT PRE-AMPLIFIERS

KNIGHT A.C. PREAMPLIFIER

A new broadcast-station-quality A.C. operated pre-amplifier. Completely built into one compact steel case. Designed to amplify the output of crystal, velocity, dynamic or other low-level microphones to a point where they can be fed into mixing circuits, telephone lines or any low-gain main amplifier. Input is arranged for 50, 200 or 500,000 ohms to match the output of any type of microphone. A volume control is incorporated for convenient operation. Output is to 200 ohm line. Uses 1—6C6 as S.G. Amp.; 1—6C6 as Triode-Amp.; uses 84 as rectifier. Amplifier component parts are carefully shielded and mounted on sponge-rubber brackets. Has a gain of 60 db. and a flat response from 30 to 12,000 cycles. Hum is negligible. Case size, 6¾"x8¼"x11¾". Shpg. wt., 33 lbs. For 110 Volts, 60 cycles A.C. Complete with tubes.

B12056. YOUR PRICE.....

$44.25

KNIGHT 2 CHANNEL A.C. PREAMPLIFIER

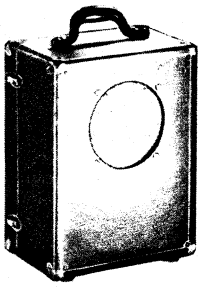
Modernize your carbon mike amplifier—use the latest Crystal or high-impedance Velocity Microphones for better reproduction. This **Knight 2 Channel A.C. Preamplifier** is designed to pre-amplify and mix 2 low-level high impedance microphones. Each microphone has a separate two stage channel with volume control. Especially adaptable for crystal or high impedance velocity microphones. Permits you to use these high quality low level microphones with your present low-gain amplifier. Each channel uses 1—6C6 tube as S.G. Amplifier, and 1—6C6 as Triode Amplifier; with 84 rectifier. Gain is 64 db.; hum is negligible. Output is 200 and 500 ohms. Has essentially flat frequency response from 40 to 10,000 cycles. Complete with tubes. For 110 Volts, 60 cycles. Steel case size, 12"x 6½"x3½". Shpg. wt., 21 lbs.

B12057. YOUR PRICE.....

$22.50

See Pages 89-91 for a complete selection of the finest Velocity, Crystal and Dynamic Microphones—ideally suitable for use with the Knight Pre-Amplifiers described above.

PORTABLE CASES FOR AMPLIFIERS, SPEAKERS & PHONOGRAPH



FOR KNIGHT 8 WATT SOUND SYSTEMS

A ruggedly-built carrying case. Particularly designed for easily carrying either of the two Knight 8 Watt Sound Systems. May also be used for other small amplifiers or similar equipment. Laminated plywood construction with metal reinforced corners. Attractive black leatherette covering. Has shielded grille for 8" speaker. Metal plate and adjustable web strap for holding microphone and desk stand. 17" high, 12¾" wide and 8⅝" deep.

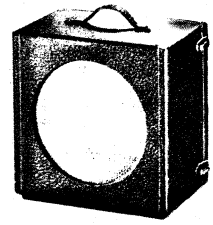
B12515. NET..... **$5.95**

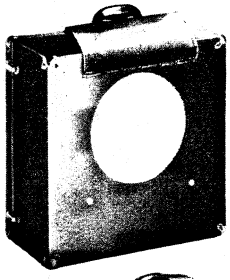


SINGLE SPEAKER CASE STURDY — LOW PRICED

An attractive portable carrying case. Permits easy installation of any 12 or 12½ inch dynamic speaker. Ideal for use with portable sound systems, or for temporary speaker installations in the field. Speaker opening is fully protected by grille cloth with protective steel-wire screen backing. Snap-on back is fitted with easy acting trunk clasps. Exceptionally rugged. Built for many years of service. Non-tiring carrying handle on top. Measures 13¼" x 13½" x 9". Sturdily made.

B12518. NET..... **$3.30**





FOR KNIGHT 18 WATT AMPLIFIERS

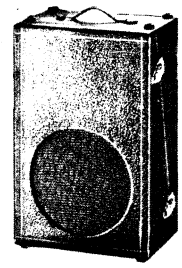
An unusually fine portable amplifier case. Designed for use with the Knight 18 Watt High Gain Amplifier for portable work. It can also be used to carry other equipment of similar type and size. Leatherette-covered. Comfortable, securely fastened carrying handle; bottom fitted with rubber feet. Has shielded grille for 12" speaker, protected by roll-down cover with snap fasteners. Web straps provided for holding desk type mike stand. 18¾" x 17½" x 9½".

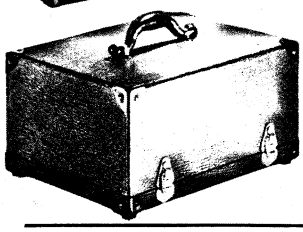
B12516. NET..... **$7.95**

DUAL SPEAKER CASE HANDY — WELL BUILT

Permits easy carrying of two 12" or 12½" speakers. Case divides into two separate units. Trunk clasps hold units together firmly. Heavy plywood construction with leatherette covering. Handy carrying handle. Speakers mounted inside; cones are protected by steel wire screen covered with grille cloth. Sections are specially designed to serve as baffles for speakers while they are in operation. Extremely compact and easily portable when closed, measuring 21½" high, 13½" wide, 8½" deep. Wt., 7 lbs. A really fine case value.

B12519. NET..... **$5.95**





For Knight 25, 35, & 60 Watt Amplifiers

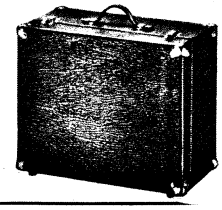
An exceptionally rugged carrying case for use with the Knight 25, 35 or 60 Watt Amplifiers. Strong and rigidly constructed; laminated plywood used to combine strength with light weight. Durable black leatherette covering. Case covers amplifier and fastens at bottom. Has sturdy leather carrying handle.

B12517. NET..... **$7.25**

HANDY NEW PORTABLE PHONOGRAPH CASE

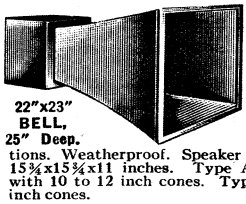
Handsome black leatherette-covered carrying case for portable electric phonographs. Sturdy plywood construction. Convenient carrying handle. Polished corners and clasps. Rubber feet protect your furniture. Demountable cover. Motor board is drilled for Green Flyer motor, needle cups, and volume control. Measures 17½ x 13¾ x 9". An essential portable case for portable P. A. Systems and home phono installations.

B12520. NET..... **$5.95**



WEATHERPROOF BAFFLES

DIRECTIONAL—DEMOUNTABLE



22"x23" BELL, 25" Deep.

Ideal for use with any standard dynamic speaker; will greatly increase tonal fidelity and enlarge sound coverage. Will materially improve large speaker installations. Weatherproof. Speaker housing measures 15¾x15¾x11 inches. Type A is for speakers with 10 to 12 inch cones. Type B is for 7 to 9 inch cones.

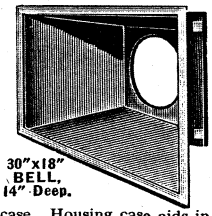
LESS SPEAKER HOUSING

B10270. Type A.
B10271. Type B.
YOUR PRICE, EACH..... **$5.10**

WITH SPEAKER HOUSING

B10272. Type A.
B10273. Type B. EACH..... **$8.10**

FLARE TYPE—DEMOUNTABLE



30"x18" BELL, 14" Deep.

Semi-directional, weatherproof baffle horns. Finished in brilliant aluminum. Will improve the frequency response, increase the efficiency, and direct the sound distribution of any dynamic or magnetic speaker. Easily demountable. Supplied with or without speaker housing case. Housing case aids in directing sound forward for large area coverage. Type A is for speakers with 10 to 12 inch cones. Type B is for 7 to 9 inch cones. Wt., 10 lbs.

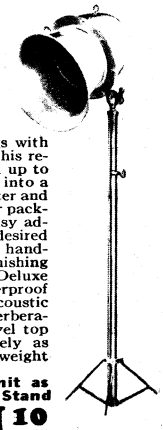
LESS SPEAKER HOUSING

B10276. Type A.
B10277. Type B.
YOUR PRICE, EACH..... **$3.95**

WITH SPEAKER HOUSING

B10278. Type A.
B10279. Type B. EACH..... **$6.80**

STANDS AND MOUNTINGS FOR ALUMINUM BAFFLES



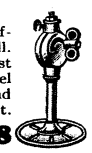
The ideal sound accessory combination for all portable speaker requirements. Consists of the heavy gauge Deluxe aluminum baffle shown at the right together with a sturdy adjustable stand. Stand is fully adjustable at heights ranging from 46 to 78". Equipped with locking clutch. Tripod legs with 36" spread stand firmly. This reliable stand will safely hold up to 250 lbs. May be collapsed into a compact unit 2½" in diameter and 39" long for easy carrying or packing. Swivel top permits easy adjustment of baffle to any desired position. Entire stand is handsomely finished in non-tarnishing chromium. Baffle is of Deluxe type complete with weatherproof cover. Dome is lined with acoustic felt padding to prevent reverberation. Both stand and swivel top are also available separately as listed below. Shipping weight complete, 20 lbs.

B10290. Complete Unit as described: Deluxe Baffle, Stand and Swivel unit. YOUR PRICE..... **$21.10**

B10291. Stand Only. 11 lbs. **YOUR PRICE**..... **$11.47**

B10292. Swivel and saddle. 2 lbs. **YOUR PRICE**..... **$2.06**

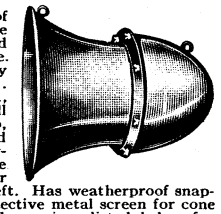
AUTO TOP & WALL MOUNT WITH SWIVEL



For easy mounting of aluminum baffles on top of Auto or on the wall. Sturdily constructed with 7¾" cast base. Finished in aluminum. Swivel permits pointing baffle for best sound distribution. Stand is 12" high. Wt. 6 lbs. With saddle.

B10293. NET..... **$2.88**

ALUMINUM BAFFLES WEATHERPROOF MODEL



Deluxe baffle of heavy 18-gauge aluminum. Rugged yet readily portable. Has acoustically correct design. Flares 16½" diam., 9¾" deep. Bell housing, 10" deep, is heavily padded to eliminate reverberation. May be bolted to stand or swivel shown at left. Has weatherproof snap-on cover and protective metal screen for cone opening. Use reducer rings listed below for speakers smaller than 12".

B10282. NET..... **$7.76**

STANDARD MODEL

B10283. Same sturdy baffle as above, but less weatherproof cover and absorbent felt lining in dome. **NET**..... **$5.28**

B10284. TRUMPET FLARE only. For mounting on front of portable cases, etc. 16½" dia. x 9¾" long. Wt., 3 lbs. **NET**..... **$4.26**

B10285. Weatherproof Cover. YOUR PRICE..... **82c**

B10280. REDUCER RINGS. For reducing size of opening. State speaker size when ordering. **EACH**..... **53c**

INCLINED SPEAKER BAFFLES



Attractive walnut-finished wall type speaker baffles. Ideal for mounting either 8 or 12 inch speakers. Especially suited to centralized radio and sound installations. With gold and black grille cloth. For wall or table mounting.

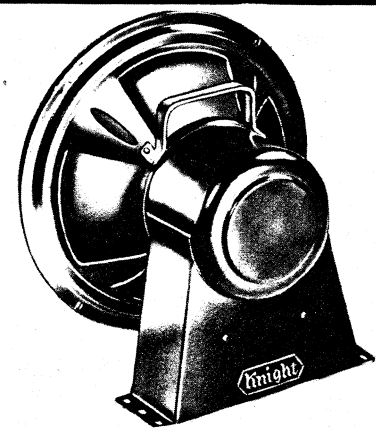
B10287. For 8" Speakers. YOUR PRICE..... **$3.50**

B10288. For 12" Speakers. NET..... **$4.95**

P.A. SPEAKERS • HORNS • UNITS

KNIGHT AUDITORIUM DYNAMIC SPEAKERS

Powerful 12 inch Auditorium Dynamic Speakers designed to reproduce large audio power with absolute fidelity. Easily handles 10 to 15 watts of power without distortion. Heavy, pressed steel dreadnaught construction assures long life. Satin-black enamel finish. Has one piece pressed cone with new 3 point spider suspension; voice coil has inside diameter of 1¼ inches. Overall height, 12½ inches. Depth, 7 inches. Easy to mount. Supplied in various field resistances or in an A.C. operated type using an 80 rectifier. Voice coil has 8 ohms impedance. All speakers are supplied less output transformers. Knight Universal Output Transformer tapped to match any power tube combination is listed below.



EXCELLENT QUALITY

These ruggedly-built dynamic speakers are ideal for every installation where a powerful full-toned reproducer is required. Use them for replacement purposes, for PA systems, for extension speakers, etc. All models have heavy fields and oversized housings giving a higher field strength, enabling the speaker to handle large power without danger of overloading. Cone and voice coil are designed to give high quality wide-range frequency response when operated at any audio level up to 15 watts.

Write for prices for Knight Auditorium Dynamics equipped with any field you specify, and with special output transformer for Class "B" or Class "AB" operation.

Portable cases for Knight Auditorium Dynamic Speakers are listed to the left on page 86. When ordered together, speakers and cases will be assembled at no extra charge.

FOR ALL P. A. SYSTEMS

Especially designed for heavy-duty use. Handle voice and music brilliantly. These Knight speakers are ideal for use either indoors or outdoors.

B12525. 6 Volt Field. (4 Ohm.) Storage battery excitation.

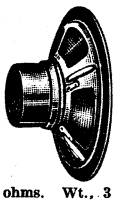
B12526. 1000 ohm Field.
B12527. 2500 ohm Field.
B12528. 4000 ohm Field.
YOUR PRICE EACH..... **$5.95**

B11005. Knight Universal Output Transformer. Matches all output tube circuits. NET **95c**

If ordered with speaker, specify output tubes and how connected.

B12529. 12-inch Auditorium Dynamic for 110 volts, 60 cycles, A.C. Complete with heavy-duty, humless field supply; less 80 tube. NET **$8.75**

CINAUDAGRAPH "Magic-Magnet" SPEAKERS



Unique compact design and construction; cone and voice coil are one integral assembly. Voice coil cannot become off-center. Require no external excitation. Fine power-handling ability and frequency response. Less output transformer.

B10410. MODEL MA 6-8. 6" TYPE. Handles 4-8 watts. Diam., 6⅝"; depth, 2⅞₁₆". Voice coil, ¾"; 6 ohms, 2 lbs. NET **$3.09**

B10411. MODEL EZ 8-7. 8" TYPE. Input, 5-8 watts. Diam., 8⅛₁₆"; depth, 3¾". Voice coil, 1"; 6 ohms. Wt., 3 lbs. NET..... **$4.41**

B10412. MODEL EZ 8-10. 8" TYPE. Normal input 5-8 watts. Size as above, but has larger, stronger magnet; has added sensitivity. Depth 4¼". Wt., 5 lbs. NET **$6.17**

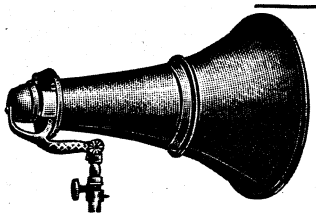
B10413. MODEL NZ 10-7. 10" TYPE. Handles 8-10 watts. Overall diam. 10¼"; depth, 4". Voice coil, 1" diam.; 6 ohms. Resonant frequency, 80-110 CPS. Wt., 3 lbs. NET..... **$5.29**

B10414. MODEL NZ 10-10. 10" TYPE. NZ 10 with larger and stronger magnet. Handles 8 to 10 watts continuously. Depth, 4½". Overall diam., 10¼". Wt., 5 lbs. NET **$7.20**

B10415. MODEL FY 12-12. 12" TYPE. Handles 15-18 watts. Diam., 12¹⁵/₁₆"; depth, 5¾". Voice coil, 1½"; 6 ohms. Has brilliant tone. Wt., 10 lbs. NET **$16.17**

B10416. MODEL HW 13-13. 12½" TYPE. A true high fidelity speaker. Handles 20-30 watts. Diam., 12⅝"; depth, 6". Voice coil, 2½"; 6 ohms. Wt., 43 lbs. NET **$35.87**

B10417. MODEL SU 18-12. 18" TYPE. The finest reproducer available for all types of high fidelity installations. Handles 30-35 watts. 18¾" dia. x 7⅜". Voice coil, 3½" diam.; 6 ohms. Wt., 78 lbs. NET **$67.62**



HORNS ONLY

B10425. MODEL HU. 24" Bell, 20" Air Column. For use with HWA or SUA units. NET..... **$14.41**

B10426. MODEL FX. 24" Bell, 28" Air Column. For use with FYA unit. NET..... **$18.82**

B10427. MODEL SW. 32" Bell, 30" Air Column. For use with HWA or SUA units. NET..... **$31.16**

SUPPORTING BRACKETS

Dual-purpose handle-type. Wt., 6 lbs.

B10430. For FYA unit.... **$2.06**
B10431. For HWA unit.... **2.65**
B10432. For SUA unit.... **3.38**

AIR COLUMN HORNS AND UNITS

The famous "Cinaudagraph" air column units are so constructed as to withstand the damaging influence involved in outdoor applications. Wing nuts are provided for easy removal or attachment of unit to horn. Standard handle-type supporting bracket permits permanent ceiling or portable stand mounting. Horns are of spun aluminum.

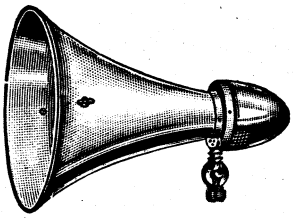
AIR COLUMN UNITS ONLY

B10420. MODEL FYA. 8 INCH. This unit is capable of handling a steady power input of 15 watts and surges of power up to 20 watts. Actuates an 8" diaphragm with 6 ohm 1½" voice coil. Binding post connectors. Ideal for use with FX horn listed at left or with similar horns. Less transformer. Shipping Wt., 11 lbs. NET..... **$18.23**

B10421. MODEL HWA. 10 INCH. This model will handle surges up to 30 watts but is rated for 25 watts continuous operation. 10 inch diaphragm. 6 ohm 2½ inch voice coil. Will operate with either the HU or SW Horns listed at left. Less trans. Wt., 35 lbs. NET..... **$41.16**

B10422. MODEL SUA. 10 INCH. This unit is rated at 30 watts continuous duty, and surges up to 40 watts peak. Recommended for large installations such as stadiums, outdoor fields, large auditoriums, etc. 6 ohm 3½ inch voice coil. Less transformer. Shpg. wt., 42 lbs. NET.. **$53.80**

OXFORD SPEAKERS



EXPONENTIAL HORNS & UNITS

A new exponential type of indoor or portable horn. Constructed of heavy-gauge spun-aluminum with chrome finished steel shell housing; acoustically designed and treated to prevent metallic sounds. Complete assembly is impervious to all weather and atmospheric conditions. Driver units are 6" in diam. and have heavy-duty 5" diaphragms with 6 ohm voice coils; will handle up to 15 watts safely. Units are available with either PM or DC-excited fields. Horn has adapter for use on all standard horn stands; bell diam. 20", length 20", over-all length approximately 36". Light weight makes this complete unit ideal for mobile or portable sound systems. Shpg. wt., 28 lbs.

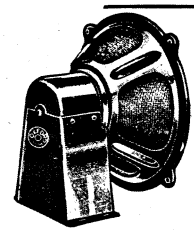
B10438. Equipped with P.M. horn unit. List, $40.50. NET.... **$23.81**

B10435. With 6 volt horn unit.
B10436. With 1000 ohm unit.
B10437. With 2500 ohm unit.
List, $36.00. NET EACH..... **$21.17**

B10440. Horn only less unit. List, $25.00. NET..... **$14.70**

B10441. Heavy-duty chromium-plated collapsible floor stand with folding base. Maximum height, 78". Minimum height, 46". List, $19.50. NET..... **$11.47**

B10442. Weatherproof Cover. A heavy, rubberized fabric flare cover for wet-weather use. NET..... **$2.06**

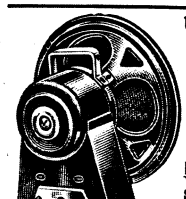


OXFORD DYNAMIC SPEAKERS

For many years the choice of leading set manufacturers; now available to the Custom-builders and Servicemen. Incorporate many features of design evolved from years of research in the speaker field. Ideal for replacing speakers of limited frequency response in radio sets, or for public address installations. Have new curvelinear cones with 8 ohm 1¼ inch voice coil. Will handle 12 watts continuously, 15 watts peak. 14¼" h.; 8" d. Shpg. wt., 19 lbs. Less output transformer.

B9537. With 6 volt 4 ohm field.
B9538. With 1000 ohm field.
B9539. With 2500 ohm field.
List, $16.50. NET EACH..... **$9.70**

B9540. A.C. Type. Ideal as extension speaker in P.A. and call systems. For use on 110 volts 60 cycle current. Less 80 tube and output transformer.
List, $25.25. NET..... **$14.85**



UTAH DYNAMIC SPEAKERS

HEAVY DUTY

Handles 15 watts maximum input. Suitable for PA work. Specify universal output or 500 ohm transformer. 14 lbs.

AC SPEAKER

B12534. For 110 Volt, 60 cycle A.C. Specify transformer desired. NET.... **$11.17**

DC SPEAKERS

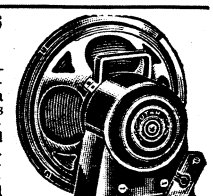
For sets with built-in field supply.

		NET EACH
B12530.	6 Volt Field.	
B12531.	1000 Ohms.	
B12532.	2500 Ohms.	
B12533.	4000 Ohms.	**$6.76**

MODEL G12

Designed especially for heavy-duty operation in the Public Address field. Has completely enclosed cone suspension. Oversize field requires 18 watts excitation; equipped with hum-buck coil and heavy 1½" pole piece. Will handle 18 watts continuously. 25 watts peak. Overall height 12½", overall depth 6½". Voice coil, 8 ohms at 400 cycles. Less transformer, wt., 20 lbs.

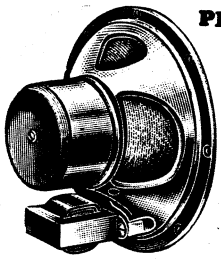
B12538. 2500 ohm field.
B12537. 1000 ohm field. EA. **$9.85**



Jensen DYNAMIC SPEAKERS —UTAH—

JENSEN DYNAMIC SPEAKERS

PERMANENT MAGNET TYPES



Speakers of exceptional design and construction. Capacity and fidelity are equal to any electro-dynamic unit. Extremely high sensitivity and efficiency. New permanent and highly magnetized alloy eliminates need for field supply. Ideal for all types of radio and public address work. Voice coil, 6 ohms at 400 cycles. With universal output transformer for all output tubes.

5-INCH MODEL PM5-E

An ideal speaker for use with any of the smaller type sets. High sensitivity with good tone quality. Small and easy to mount.
B9680. YOUR PRICE..... **$3.18**

6-INCH MODEL PM6-C

Especially designed for use where extreme sensitivity and high quality reproduction are desired, as in centralized P.A. systems. Depth only 3⅞".
B9675. YOUR PRICE **$5.59**

8-INCH MODEL PM8-C

A popular size for use in console type radios, or for call systems, etc. Extremely sensitive, reproduces with exceptional fidelity. Only 3 1/16" deep.
B9676. YOUR PRICE **$5.88**

10-IN. MODEL PM10-C

Particularly recommended for superiative performance in connection with receivers and small public address installations.
B9677. YOUR PRICE..... **$7.50**

12-IN. MODEL PM12-C

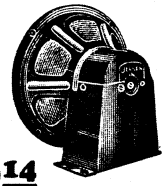
For use with large console receivers, or medium-powered public address systems; will provide exceptionally fine tone.
B9678. YOUR PRICE **$9.26**

HEAVY-DUTY 12-INCH MODEL PM12-B

A superior speaker for use with high-quality, large sound systems, or wherever high fidelity reproduction at high levels of volume is desired. Equal to finest electro-dynamic speakers.
B9679. YOUR PRICE..... **$14.85**

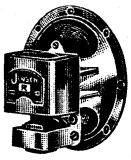
JENSEN ELECTRO-DYNAMICS

HEAVY-DUTY MODEL B12-X



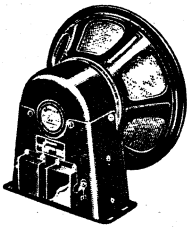
A particularly high-quality, highly-efficient 12" dynamic speaker of advanced design. Recommended for use wherever true high-fidelity performance is required. Especially suited to Public Address Systems. New curvilinear cone results in extended high-frequency range. Will handle 10 watts continuously. Equipped with hum-bucking coil and adjustable output transformer, for all tubes. 8 ohm voice coil. Shpg. wt., 14 lbs.
B9668. 1250 OHM FIELD.
B9669. 2500 OHM FIELD.
List, $17.25. YOUR PRICE EACH..... **$10.14**

MODEL "R" DYNAMICS



Famous Jensen dynamic speakers in a new compact style. Features very rugged construction and unusual fidelity of reproduction. With built-in hum-bucking coil. Adjustable output transformer for all tubes.
B9672. 5 INCH DYNAMIC. 3000 ohm field. List, $4.00. NET..... **$2.35**
B9673. 6 INCH DYNAMIC. 2500 ohm field. List, $5.40. NET..... **$3.18**
B9674. 8 INCH DYNAMIC. 2500 ohm field. List, $6.65. NET..... **$3.91**

NEW JENSEN CONCERT SPEAKERS



A new line of wide-range speakers offering exceptionally high sensitivity, frequency response and efficiency. Unequalled for use in large console receivers, public address systems, auditoriums, and other installations where large coverage must be maintained without sacrifice of the finest quality reproduction. Power-handling capacity is the maximum for equal-sized speakers. Adjustable output transformer is tapped at 4500, 7000, 10,000, and 14,000 ohms; adjustable line transformer is tapped at 500, 1000, 1500 and 2000 ohms.

12-INCH PM MODELS

Model A12PM. A moderate-priced speaker utilizing the new highly efficient permanent magnet developed by Jensen. No field supply is necessary. Has full frequency response up to 7500 cycles.
B9685. With Adjustable Output Transformer.
B9686. With Adjustable Line Transformer.
YOUR PRICE EACH..... **$21.76**

15-INCH HIGH FIDELITY PM MODELS

Model A15PM. A new oversize permanent magnet dynamic speaker. Combines high fidelity with the ability to handle exceptionally high outputs. Suitable for use with large console radios or with Sound Systems. Adjustable impedance transformers match any tube combination instantly. No field supply required. Maximum depth, 8½"; diameter, 15".
B9687. With Adjustable Output Transformer.
B9688. With Adjustable Line Transformer.
YOUR PRICE..... **$26.46**

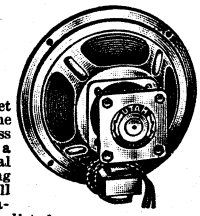
18-INCH STANDARD FIDELITY MODEL

Model M18AC. This electrodynamic speaker is designed for the largest public address installations. Has 8 ohm, 2½ inch voice coils. Full reproduction up to 5500 cycles. For 110 Volts, 50-60 cycles. Less 80 tube and input transformer. Shpg. Wt., 78 lbs.
YOUR PRICE **$50.86**

UTAH DYNAMIC SPEAKERS

UTAFLEX P.M. TYPES

- **No Field Current Supply Needed**
- **New High Efficiency Magnets**
- **Priced for the Average Purse**
- **Complete Range of Sizes**



A complete new line of permanent-magnet dynamic speakers. Popularly-priced to fit the budget of the experimenter and public address man and to permit the serviceman to make a handsome profit. A new magnet alloy of special shape and design permits full power-handling ability with wide-range response. Ideal for all purposes including both old and new installations. With universal output transformers as listed.

5-INCH MODEL

Especially designed for small receivers where space is at a premium. Ideal for battery and A.C.-D.C. sets since no field power is required. Output transformer matches all tubes.
B9692. NET..... **$3.23**

6-INCH MODEL

Popular size speaker for experimenters and servicemen. Suitable for use in all A.C.-D.C. and midget receivers. Peak rating of six watts. High quality frequency response. Matches all tubes.
B9693. NET..... **$3.82**

8-INCH MODEL

For use with all types of receivers and small public address systems. Ten watt maximum capacity. Full tonal response. Output transformer for all tubes.
B9694. NET..... **$5.00**

10-INCH MODEL

Ideal speaker for larger consoles and portables or battery-operated public address systems. Sixteen watt capacity. Full response. Universal output.
B9695. NET..... **$6.76**

HEAVY-DUTY 12-INCH MODELS

Designed especially for those installations where requirements are for exceptional quality and volume-handling capacity as in high quality radio receivers and public address systems. No field supply is needed and maximum efficiency and tone quality are provided. Output from tubes or line. Line transformer tapped 500, 1000, 1500, and 2000 ohms.
B9696. With Universal Output Transformer.
B9697. With Universal Line Transformer.
YOUR PRICE EACH..... **$8.82**

UTAH HIGH FIDELITY REPLACEMENT SPEAKERS

A new line of high fidelity speakers for either replacement or original installations. Workmanship and materials of the highest quality combined with new features of design make these the finest reproducers available at moderate cost. Solid vibration-proof construction with conservative power handling ratings provide maximum performance far superior to that obtainable from inferior types of speakers.

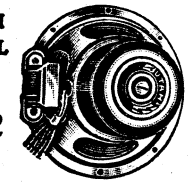
6½-IN. MODEL



B9472 **$3.53**

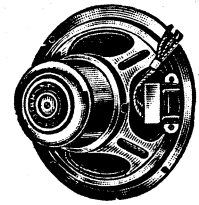
A rugged tru-toned small speaker suitable for all replacement purposes. Especially suited for use in A.C.-D.C. and midget type receivers. Handles power input of 6 watts, peak 9 watts. Requires 6½ watts field excitation. Voice coil 6 ohms. With universal output transformer; 2500 ohm field. Shipping weight, 4½ lbs.

8-INCH MODEL



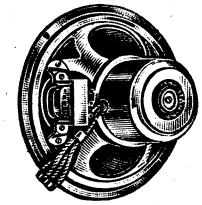
B9473 **$4.26**

For use in console receivers and small Public Address systems. Has excellent tone quality and will handle full 8 watts normally, 12 watts peak. Sturdy rattle-proof cone assembly with 8 ohm voice coil. Supplied with universal output transformer; field coil 2500 ohms. One of the finest 8-inch Electro-dynamics made. Wt., 6 lbs.



10-INCH MODEL

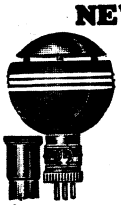
For use wherever exceptionally true reproduction is desired in a medium size speaker. Suitable for console type receivers and small sound systems. Will deliver brilliant reproduction without distortion at full volume. Normal input 9 watts, 12 watt peaks. Voice coil 8 ohms; field coil 2500 ohms. With universal transformer. An excellent value in a high-quality powerful Electro-dynamic speaker. Wt., 10 lbs.
B9474. NET..... **$4.70**



12-INCH MODEL

The ideal reproducer for large console sets. Has ample power handling ability coupled with the brilliant, faithful reproduction expected only from more expensive speakers. Normal input 10 watts with 15 watts peak. Voice coil 8 ohms. Requires 9 watts field excitation. With universal output transformer. Wt., 12 lbs.
B9475. 1000 ohm field.
B9476. 2500 ohm field.
NET EACH **$5.73**

NEW SHURE CRYSTAL MICROPHONES



MODEL 74C "SPHEROID" TYPE

Radically new, absolutely non-directional wide-range crystal microphone of striking appearance. Specially shaped small dural diaphragm drives a new type "Grafoil" bimorph crystal unit. Sound reaches the diaphragm uniformly from any angle through 360°. Excellent frequency response is flat within 5 db. from 40 to 10,000 cycles. Output level,—55 db. Weighs only 7⅛ oz. 2¼ inches diameter. With locking plug and stand adapter having ⅝-27 thread.

B2554. List, $37.50. NET **$22.05**

75B "SPHEROID"

A new non-directional crystal microphone. Acoustically streamlined, with curvilinear diaphragm. Genuine Bimorph crystal. ⅝-27 thread. Output, —60 db.

B2555. NET..... **$18.82**

MODEL 70H DIAPHRAGM TYPE



A superior crystal microphone of the diaphragm pressure-actuated type. The special cantilever principle employed aids in effectively handling music and speech. Output is —60 db. Beautiful cast chromium-plated case. Mounts directly on mike stands having ⅝-27 threaded shaft, or may be spring-mounted by means of hooks supplied. 3 in. diameter; 1¼ in. thick. Supplied complete with 7 foot shielded rubber-covered cable.

B2557. List, $22.50. YOUR NET PRICE..... **$13.23**

WITH 25 FT. CABLE

Same as the Model 70H listed above, but with 25 ft. of shielded microphone cable attached.

B2558. NET..... **$14.29**



MODEL 720-A "TRI-POLAR" TYPE

A new mike having three different directional characteristics available by means of a 3 point switch. Can be Uni-Directional: wide-angle front pickup, dead at back; Bi-directional: pickup from front and back, dead at sides; or Non-Directional: 360 degree pickup. Wide range response from 40 to 10,000 cycles. Black and chrome case, 5½" high, diameter 2½". ⅝-27 thread. Wt. 2¼ lbs. With 25 foot shielded cable.

B2556. NET **$23.23**

"MILITARY TYPE" HAND MIKE



These small and compact crystal microphones are designed to fit naturally in the palm of the hand. Only 3⅞" high by 1⅜" thick. Furnished with removable suspension hook and 7 foot shielded rubber-jacketed cable. Shpg. wt., 1 lb.

B2559. NET **$14.70**

B2560. Same as above but with special on-off switch. NET.. **$15.58**

LATEST TYPE SHURE MICROPHONE STANDS

A STAND FOR EVERY PURPOSE





MODEL S54B

An inexpensive, high-grade floor stand. Made in 3 sections, adjustable from 25½ to 62½". Has automatic friction lock. Base is 10¾" in diameter. Finished in black with chromium trim. Top of stem is threaded ⅝-27. Wt. 8¾ lbs.

B9874. NET..... **$5.88**

MODEL S32C

Black finish. Stem has ⅝-27 thread for crystal or velocity mikes. 12½ lbs.

B9875. NET..... **$7.94**

MODEL S32C DESK STAND

Modernistic stand. Adjustable 7" to 11"; automatic friction lock. Black finish; chrome trim. Threaded ⅝-27. 3¾ lbs.

B9876. NET..... **$3.82**

S42C BANQUET STAND

B9877. Modernistic Banquet Stand. Similar to Model S32C; useful where greater height is needed. Height range, 15" to 22". Black finish. Wt., 4¼ lbs.

NET **$4.41**

SHURE ULTRA WIDE-RANGE CRYSTAL MICROPHONES



These new Shure microphones provide reproduction from 40 to 10,000 cycles. Have the highest output level consistent with good fidelity; diaphragm is of high-efficiency, acoustically correct design; protected when case is opened, by internal screen. Crystal is moisture-sealed. All models have standard ⅝"-27 thread for stand mounting and 7 ft. shielded rubber-covered cable.

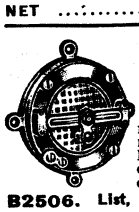
B2561. Model 702A. Spherical semi-non-directional type. 2¾" overall diameter. Rubber-black finish with chromium trim. Wt., 1 lb. Complete with 7 foot rubber shielded cable.

B2562. Model 700A. Semi-directional type. Swivel arrangement for tilting head. Chromium finish. 2⅝". Shpg. wt., 2 lbs. Complete with 7 foot rubber-covered shielded cable.

B2563. Model 701A. Grille type case; rubber-covered black screen covers with chromium trim. 3 11/16" x 2 5/16" x 1¼". Wt., 1 lb. Complete with 7 ft. cable.

YOUR NET PRICE EACH..... **$14.70**

UNIVERSAL MICROPHONES



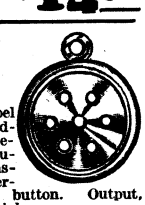
"XX" TWO BUTTON TYPE

Develops truly faithful, natural tone. Has good frequency range. Equipped with Duralumin diaphragm, pure gold contacts. Ruggedly built. 200 ohms per button.

B2506. List, $10.00. NET.... **$5.88**

B2507. MODEL "X." Similar in design to above but of single button type. A high quality unit. NET..... **$4.41**

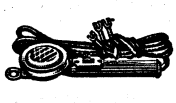
"W" LAPEL MICROPHONE



Very small, compact lapel microphone with protected gold-spot diaphragm. Ideal for detectaphones, inter-office communicating systems, portable transmitters, etc. High quality performance. 200 ohm single button. Output, —38 Db. 1⅞" diam., ¼" thick.

B2508. List, $3.00. YOUR NET PRICE..... **$1.76**

TWO BUTTON HAND MICROPHONE



This scientifically damped double-button hand microphone has been built to withstand rough handling. Excellent for sound trucks, portable transmitters and demonstration work. Damped for use close to loud speakers. Output, —55 Db. Slide-toggle type on-off switch is built into handle. With 6 foot three-conductor connecting cord. Nickel-plated finish.

B2509. List, $15.00. YOUR NET PRICE..... **$8.82**

ASTATIC CRYSTAL MICROPHONES

MODEL D-2 WATCH CASE TYPE



A small, light crystal microphone of exceptionally good frequency response characteristics. Uses a Grafoil Bimorph Crystal and dual diaphragm design. Non-directional. Frequency response is flat from 50 to 6000, with rising characteristics to 10,000 cycles. Output level, —60 db. Case is only 2½ inches in diameter, ½ inch thick. Has locking type plug and socket adapter; ⅝-27 thread. Shpg. wt., 2 lbs. With 8 ft. cable.

B2570. List, $25.00. NET **$14.70**

B2571. D-2 Microphone. Exactly as above, but with 25 foot cord. NET **$15.76**

MODEL D-104 STANDARD TYPE



Responds equally well in any position. No hiss or background noise. Has excellent frequency response essentially flat from about 40 to 10,000 cycles; output level, —65 db. High impedance; may be connected directly to tube grid. Housed in an attractive chromium case, 3" diameter; 1" thick. Supplied with 8 foot rubber-covered shielded cable and handy mounting hooks. Threaded for ⅝-27 stands.

B2572. List, $22.50. NET..... **$13.23**

LAPEL CRYSTAL MICROPHONE



A new dual-diaphragm, lapel type crystal microphone. Only 1⅛" in diameter, ½" thick. Weighs only one ounce. Output, —68 db. with a frequency response flat from 50 to 6000 cycles. Non-directional. Element is genuine Grafoil Bimorph crystal. Supplied with 25 ft. shielded cable.

B2573. List, $25.00. NET..... **$14.70**

MODEL D-2-H HAND MICROPHONE



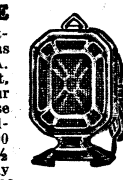
A utility hand microphone built around the D-2 Watch Case model listed at top right of page. Has handsome rugged metal handle, finished in bright chromium. Utilizes dual diaphragm principle, with the newly perfected Grafoil-Bimorph crystal unit, providing excellent response from 50 to 6000 cycles. With 6 ft. shielded rubber-covered cable.

B2574. NET..... **$16.17**

B2575. Model D-2HS. Same as above but with on-off switch. NET **$16.46**

RCA MICROPHONES

TWO BUTTON TYPE



Genuine RCA quality 2 button microphone. Same as used in RCA Transmitters, P.A. and home-recording equipment, etc. Ideal for the amateur transmitter. Suitable for use in call systems and public address work. Impedance is 200 ohms per button. Case is 6x3½ x2 inches, and is handsomely finished in dark brown crackle. With flexible cord.

B2551. NET..... **$5.85**

AERODYNAMIC TYPE



This new microphone is of the pressure-operated dynamic type. Combines excellent frequency response with small size and light weight. Impedance, 40,000 ohms; output —68 D.B. Suitable for universal application. Contains a permanent magnet made of Alnico metal, providing maximum sensitivity. Practically non-directional; excellent for close-talking. Size, 2⅝" wide, 3" high, 3⅜" deep. Threaded ⅛" pipe. Complete with 30' shielded cable. Polished chromium finish. Wt., 3 lbs.

B2552. NET PRICE..... **$17.97**

BRUNO MICROPHONES

VELOTRON MODEL A



A static-velocity microphone combining high fidelity with sensitivity. May be used with any high or low-gain amplifier. Response is easily varied. Requires from 150 to 350 Volt polarizing voltage. Output, —50Db. Highly directional. ⅝-27 mtg.; with ball swivel, rubber shock absorber, and cable connector.

B2592. With 25' cable. NET..... **$12.94**

B2591. Less cable, with connector. NET.. **11.47**

WIDE-ANGLE VELOTRON



Designed especially for wide-angle pickup. Combining the desirable features of the Model A Velotron with 175° pickup, this microphone is ideal for orchestra, theater, or other similar types of work. Output—45Db. Same fittings as above, less cable.

B2593. Less switch and cable. NET..... **$17.64**

B2594. With switch, less cable. NET.... **18.25**

B2584. 25 ft. cable for above. NET. **$1.47**

ORATOR TYPE VELOCITY



A new addition to the Bruno line. This microphone is especially designed for lecturers and speakers who are generally in a fixed position. Wide-angle pickup permits placing the mike either in front or at the side of the speaker. Has an adjustable base. Both high and low impedance models have output of —65 Db. Furnished less cable.

B2595. High Impedance, less switch. NET..... **$27.64**

B2568. 200 Ohm Model, less switch. NET..... **28.81**

B2596. High Impedance, with switch. NET..... **28.52**

B2569. 200 Ohm Model, with switch. NET..... **29.69**

B2584. 25 ft. cable for above. NET **$1.47**

BRUSH MICROPHONES

BR2S SOUND CELL CRYSTAL MIKE



A high-fidelity piezo-electric crystal microphone. Ideal for general purpose installation or for use with public address systems where different requirements must be met on each job. No polarizing voltage, battery, or input transformer needed. Non-directional. Output, —66Db. Feeds directly into input tube. With locking type plug and socket connector; less cable.

B2535. NET..... **$22.05**

MODEL B1



A popular-priced companion to the BR2S described above. Has the same features including internal spring mounting and non-directional pickup. Threaded ⅝-27; locking-type plug connector. Output —66Db. Dull chrome finish. Less cable.

B2536. NET..... **$19.11**

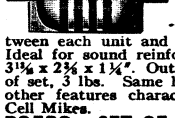
BP2 DESK MIKE



A high-fidelity desk mike designed especially for use in pulpits, lecture halls, etc. Size, 3¼ x 3⅛ x 1¼". Neat black-crackle finish. Output, —66Db. Complete with cable-locking ring and base but less cable.

B2537. NET..... **$27.93**

THEATRE MIKE



A special set of microphones designed particularly for theater service. Furnished in sets of four with 6' cables between each unit and 15' of cable at one end. Ideal for sound reinforcement. Units are but 3¹⁵⁄₁₆ x 2⅜ x 1¼". Output, —66Db. Net weight of set, 3 lbs. Same high fidelity response and other features characteristic of Brush Sound Cell Mikes.

B2538. SET OF 4. NET..... **$44.10**

LOW COST KNIGHT MICROPHONES

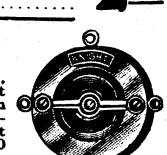
STANDARD TWO BUTTON



A rugged, well-constructed microphone at a surprisingly low price. Frequency range is from 40 to 3500 cycles resulting in natural reproduction of voice. Diaphragm is of selected Duralumin stretched at correct tension between the two halves of the heavy cast metal case. 200 ohms per button.

B2565. NET..... **$2.95**

DELUXE TWO BUTTON

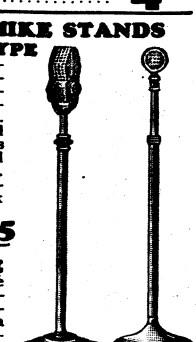


Outstanding in value, this is one of the finest low-priced double-button carbon microphones available. Has essentially flat response from 45 to 7200 cycles. Imp. 200 ohms per button. High quality stretched duralumin diaphragm with gold-spotted centers. Made by leading microphone manufacturer. Case, 3" in diam.; ⅛" thick. Satin-nickel finish.

B2566. NET..... **$4.35**

KNIGHT MIKE STANDS

STANDARD TYPE



Attractive professional type telescoping floor stands. Positive clutch; adjustable from 47½ to 72". Ideal for all sound systems. Base weighs 10 lbs. Threaded ⅝—27. Less mike. Stem is chrome finished, base is black crystalline. Wt., 17 lbs.

B9991. NET..... **$3.95**

DELUXE TYPE

Beautiful chrome finish overall. One-hand clutch adjustment. Ideal where a sturdy stand is required. Cable can be run through stem if desired. Threaded ⅝—27. Less mike.

B9990. NET..... **$4.95**

MICROPHONE RING



Ring for using carbon mike with either stand listed above. Chrome finish; 6½" diam. Threaded ⅝—27. Complete with 8 springs.

B9880. NET..... **$1.47**

MIKE STAND ADAPTERS

B9881. Adapts old Astatic, Brush and Turner mikes to Knight floor stands. ⅝—27 female to ½" male pipe thread. Chrome-plated. NET..... **25c**

B9882. For Amperite SR-80, RCA Velocity, Universal Dynamic, etc. ⅝—27 to ½" pipe. Chrome-plated. NET..... **30c**

DESK STANDS



Attractive modernistic desk stands suitable for all mike installations. Neat black crackle base. Two types accommodate all microphones.

FOR CARBON MIKE (Fig. A)

Has octagonal 5½" ring for suspension of carbon microphone. Height overall is 9 inches. Complete with 8 springs.

B9885. NET..... **$1.18**

FOR CRYSTAL MIKE (Fig. B)

For all crystal or velocity mikes. Has chrome-plated stem, threaded ⅝—27 at top. Overall height, 8". Heavy cast base.

B9886. NET..... **$1.25**

SHURE STAND SWITCH

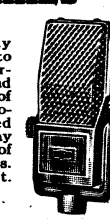


Stand-mounting switch for use with any microphone. In black aluminum case, 2½" high. Has ⅝" 27 thread. Model A80A.

B9878. List, $2.50. YOUR PRICE..... **$1.47**

ELECTRO-VOICE VELOCITY MIKES

MODEL V1



High quality ribbon-velocity microphone with range of 40 to 10000 C.P.S. Directional characteristics eliminate background noise and feedback. Shockproof mounting. Hum-free. Has professional appearance combined with small size. Finish: slate gray casing, chrome screen. Choice of high impedance or 200 ohm models. Output, —68 Db. With 8 ft. cable. Threaded ⅝—27.

B2577. 200 Ohm Model.
B2578. High Impedance Model.
NET EACH..... **$14.70**

MODEL V2

Velocity microphone of higher quality than the Model V-1. Basically flat to 14000 C.P.S. Threaded ⅝—27. Output, —68 Db. With 20 ft. cable.

B2579. Standard Impedance, 200 ohms
B2580. High Impedance, 50,000 ohms at 1000 cycles.
NET EACH..... **$20.58**

MODEL V3

High quality velocity microphone for ultra-faithful sound work. Excellent frequency response characteristics; cutoff begins at 14000 cycles. Output, —66 Db. Equipped with ⅝—27 threaded cradle support, and 20 ft. cable with plug.

B2581. Standard Impedance, 200 ohms.
B2582. High Imp., 50000 Ohms at 1000 cycles.
List, Each, $50.00.
NET EACH..... **$29.40**

MODEL V15

"Communication Special." For high-quality voice transmission. Response, 40—12000 C.P.S.; output —64 db. High impedance. Complete with modernistic desk stand and 10 ft. cable. Has locking cradle design.

B2583. NET..... **$22.05**

TRANSDUCER 'BULLET' DYNAMIC MIKES

MODEL TR-6



Latest dynamic microphone. High output, —42 Db. Wide frequency response. Does not require preamplifier or external power. Low feedback; highly directional. Diam., 3"; length 5". With 25 ft. cable and Amphenol connector plug. ⅝—27 thread.

B2585. 200 Ohm Model.
B2586. High Impedance.
List, $39.50. NET EACH..... **$23.23**

MODEL TR-5

Similar to the TR-6 described above but popularly priced for all-purpose installations. Black bakelite case. For ⅝—27 thread. With 25 ft. of cable. Output, —42 Db.

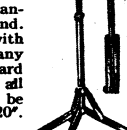
B2587. 200 Ohm Model.
B2588. High Impedance.
List, $27.50. NET EACH..... **$16.17**

MODEL TR-9

Laboratory grade microphone for the finest installations. Individually calibrated. Response 20 to 10000 C.P.S. Output, —38 Db. ⅝—27 mounting. Weight 2¼ lbs.

B2589. 200 Ohm Model.
B2590. 50,000 Ohm Model.
List, $90.00. NET EACH..... **$52.92**

ORCHESTRA MIKE STAND



Handsome and practical three-section collapsible stand with maximum height of 66 inches and minimum height of 25 inches. Can be used either as floor or banquet type microphone stand. Stand finished in chromium with cadmium plated legs. Ideal for any installation. The ⅝—27 standard thread at the top will fit all modern microphones. Can be packed into a space, 3"x3"x20". Shpg. weight, 4 pounds.

B9890. NET..... **$7.35**

MICROPHONES *and* ACCESSORIES

AMPERITE VELOCITY MICROPHONES



A complete line of high-quality ribbon-velocity microphones. Streamline construction. Incorporate latest features of acoustic design. Minimizes feedback, hum pickup and extraneous noises. Swivel mounting bracket with built-in shock absorbers. ⅝-27 thread.

Model RB-Mn

B2540. For high qualfty speech and music reproduction. Frequency range, 40-11,000 CPS. Output, 200 ohms;—65 D.B. Has built-in switch and locking-type cable connector. Supplied complete with 25 feet of matched microphone cable.

Model RB-Hn

B2541. Same as Model RB-Mn above but has high impedance output of 2000 ohms to feed directly to grid.

Model RB-Bn

B2542. Directional type. Ideally suited to theater stage installations. Frequency range flat from 40-11,000 CPS. Output 200 ohms;—68 D.B. With switch and 25 foot cable.

Model RB-BHn

B2543. Same as Model RB-Bn above but high impedance type, 2000 ohm output. List, $42.00. NET EACH OF ABOVE..... **$24.70**

Model RB-Sn

B2544. For all-around speech and music reproduction. Frequency range, 60-8000 CPS. Output, 200 ohms;—68 D.B. Supplied complete with 12 foot cable and built-in switch.

Model RS-Hn

B2545. Same as Model RB-Sn above, but with high impedance output of 2000 ohms. List, $32.00. NET EACH..... **$18.82**

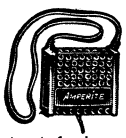


MODEL RAL

B2546. A moderately-priced ribbon velocity microphone of typical high quality Amperite construction. Output, 200 ohms;—68 D.B. Complete with 8 feet of cable.

MODEL RAH

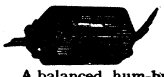
B2547. Has same unusually fine frequency response for both voice and music as microphone above, but high impedance. For connecting directly to grid. Output, 2000 ohms. With 12 feet of cable. List, $22.00. NET EACH..... **$12.94**



JUNIOR VELOCITY LAPEL TYPE

Small in size but capable of really high quality performance. Reproduction is life-like and clear. Has flat response from 60 to 7500 CPS for all voice work. Gives speaker unobstructed view of audience. Output—70 D.B. Size 2⅛"x1¾"x¾". 25 foot cable.

B2548. 200 Ohm Model.
B2549. High Impedance Model.
List, $22.00. NET EACH.... **$12.94**



EXTERNAL INPUT TRANSFORMER

A balanced, hum-buck winding transformer for coupling low impedance velocity microphones to amplifiers having high impedance input circuits.

B2279. List, $5.00. NET..... **$2.94**

REPLACEMENT RIBBONS

B2598. STANDARD. Package of 2 ribbons. NET..... **73c**

B2599. SUPERSENSITIVE. Package of 2 ribbons. NET..... **$1.03**



CARBON GRANULES

Laboratory-made high quality carbon granules. No. 100 size. Sufficient to recarbon two double-button carbon microphones.

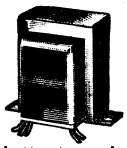
B2597. NET..... **55c**

MICROPHONE SPRINGS

B7557. Made of tempered spring steel. Loop ends. Cadmium-plated finish. SET OF 8..... **15c**

MICROPHONE ACCESSORIES

COUPLING TRANSFORMERS



B6050. SINGLE BUTTON TYPE. Has primary for standard 200 ohm single button microphone; secondary winding is designed for coupling to tube grid. Completely shielded. With flexible wire leads.

B6051. TWO BUTTON TYPE. For use with all two-button type microphones. Primary impedance, 200-200 ohms; secondary to tube grid. Ratio 1 to 45. NET EACH..... **$1.32**

3 WAY MICROPHONE PLUG AND JACKS



High-grade 3 circuit plug with bakelite handle. Long jack with phosphor-bronze spring to accommodate plug. ⅝ inch mounting.

B8957. PLUG. NET **40c** | **B8958.** JACK. NET **35c**

MIDGET JACK



Three contact jack for standard microphone plugs. Has solder lug terminals. Sturdy fool-proof construction.

B1605. NET..... **26c**

PORTABLE JACK



Accurately-made portable jack. Made to receive any standard 3 way microphone plug. Compact black molded bakelite barrel threaded to securely fasten to metal jack. Fully insulated.

B5665. NET..... **38c**

SHIELDED PLUG & JACKS



Standard 2 and 3 circuit plugs and jacks supplied with nickel-plated brass shielded barrels. Barrel knurled for finger grip. Fully insulated.

2 CIRCUIT		3 CIRCUIT	
B5666. PLUG.		B5668. PLUG.	
B5667. JACK.		B5669. JACK.	
NET EACH.....	**59c**	NET EACH.....	**73c**

CRYSTAL MIKE CABLE



Shielded, rubber-jacketed cable. Conductor of stranded copper; extremely flexible.

SINGLE CONDUCTOR

B2499. 100 FEET..... **$3.70** PER FOOT..... **4c**

DOUBLE CONDUCTOR

B2498. 100 FEET..... **$6.40** PER FOOT..... **7c**

WEATHER PROOF CABLE



Heavy rubber jacket over tinned copper shielding. Ideal for outdoor and heavy duty service.

No.	Cond.	PER FOOT	100 FEET
B3514	2	3½c	$2.70
B3515	3	4 c	3.75

MIKE SHOCK ABSORBER



Prevents floor vibration from reaching microphone. Substantial; sturdy; made of heavy brass, in polished chrome finish. With live gum-rubber cushions. ⅝"—27 threads, male and female.

B1975. NET..... **59c**

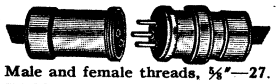
BRUNO TRIPLE CONNECTOR



An ingenious and simple device which will facilitate the connection of two parallel circuits. Makes possible the connection of two microphones or loud speakers in parallel to a single input or output amplifier. Threaded ⅝"—27.

B1979. NET..... **$1.18**

SHIELDED CONNECTORS



Polished chrome-finished, heavy brass shell microphone connectors. Male and female threads, ⅝"—27.

CABLE TYPE PLUGS		RECEPTACLES	
B1965. 3 PRONG....	**59c**	B1967. 3 CONTACTS	**59c**
B1966. 4 PRONG....	**65c**	B1968. 4 CONTACTS	**65c**

STAND TYPE

For use with cable types above; has ⅝"—27 female thread for mounting on microphone stand.

RECEPTACLES

B1969. 3 CONTACT **59c** | **B1970.** 4 CONTACT **65c**

CHASSIS TYPE



A convenient chassis type connector. Mounts in 1¾" chassis hole; for use with above cable connectors when connection is made at amplifier. With knurled ring, lock washer and hex locking nut.

B1971. 3 CONTACT RECEPTACLE. NET..... **29c**

B1973. 4 CONTACT RECEPTACLE.
B1972. 4 PRONG PLUG.
NET EACH..... **32c**

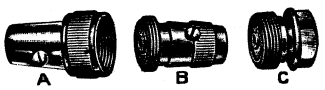
CONNECTOR CAP



Fits cable and chassis type connectors above; protects plugs and receptacle from dirt and tampering.

B1974. NET..... **29c**

SINGLE CONDUCTOR MICROPHONE CONNECTORS



A new type of single conductor cable connector. Designed to permit instant connection or disconnection of cables. Side set-screw holds cable securely. Coupling ring locks contacts securely against vibration. Polished chrome finish. Will take cables up to ¼" dia.

B1976. Fig. A. RECEPTACLE. NET..... **29c**

B1977. Fig. B. PLUG. NET..... **24c**

B1978. Fig. C. CHASSIS TYPE. NET..... **18c**

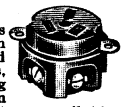
ARMORED TYPE CONNECTOR



Sturdily constructed connectors for microphone cables. Polarized type; connections cannot be reversed when joining cable lengths. Have adjustable cable clamps. Knife blade contacts make positive connection. Very efficient. Will handle currents up to 10 Amps. at 250 volts.

B7578. 3 Prong Socket NET..... **69c** | **B7579.** 3 Prong Plug NET..... **48c**

MIKE RECEPTACLE

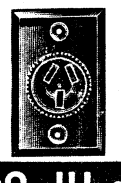


Wall-type polarized receptacles for use with B7579 plug shown above. Ideal for permanent sound installations in Schools, Theaters, Auditoriums, etc. For mounting on P. A. and broadcast station master control panels, etc. Two types available: small receptacle only; or receptacle mounted in 4" round cover for standard conduit boxes.

B5485. Receptacle only. NET..... **78c**

B5486. With 4 inch cover. NET..... **$1.15**

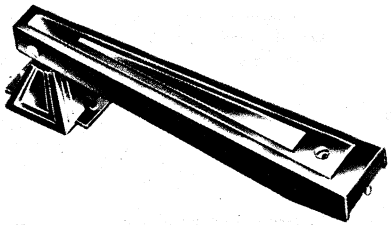
MIKE RECEPTACLE AND PLATE



A polarized microphone receptacle mounted on a bakelite single-gang plate for flush wall mounting. Measures 2¾"x4¾". Will take B7579 plug above.

B5487. NET..... **$1.32**

PHONOGRAPH PICKUPS · RECORDS



BRILLIANT TONE QUALITY

Has exceptionally fine frequency response and high output. Will reproduce with high fidelity all standard phonograph records. Needle scratch is reduced to an absolute minimum by correct balancing. Will provide clear, brilliant reproduction at low cost. Attractive black finish.

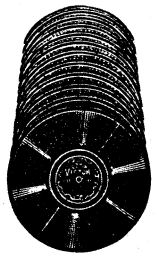
FAMOUS KNIGHT HIGH IMPEDANCE PICKUP

An outstanding value in a high quality phonograph pickup. Ideal for use in sound systems, phono combinations, and for modernizing older type phonographs. Simple to mount. Accurately balanced for correct needle pressure. Built to highest standards; has high percentage cobalt magnet for superior performance. Features extremely flat frequency response over a wide range. Uniform response may be obtained by using a 50,000 ohm volume control; bass accentuation by using only 10,000 ohm control. High impedance type with high output. Extremely light in weight yet sturdily built. Length overall, 8¼"; with 18" cord.

B2295. Knight High Impedance Pickup. NET..... $3.85

POPULAR RECORD ASSORTMENTS

CARTONS OF 25 DOUBLE-FACED RECORDS



Famous brands American record assortments at real savings. For dealer demonstrations and public address use. Packed 25 assorted records to the carton; recordings by famous American artists; vocal, band, dance orchestra, etc. Because these assortments reach us already packed, we cannot determine what titles are in each assortment; all recordings by famous artists, dance orchestras and bands. Shpg. wt., 13 lbs.

B9999. Carton of 25 Assorted. YOUR SPECIAL PRICE..... $2.25

NEW WEBSTER MAGNETIC PICKUPS



HIGH FIDELITY

Plays both 78 and 33⅓ R.P.M. records. Has frequency response from 100 to 7000 C.P.S. A true high fidelity magnetic pickup of advanced design. Attractive golden-bronze finish.

LATEST MODEL 30-A2

A new improved wide-range pickup capable of clear reproduction. Will reproduce extended frequencies on both treble and bass ranges for brilliant, faithful tone quality. Perfectly balanced to minimize needle scratch; will play all records up to 12 in. size.

STANDARD IMPEDANCE

The 30-A2 Standard model has an impedance of 9,100 ohms and delivers .5 volt output. May be used to replace any standard high impedance pickup.

B2290. Without volume control. List, $8.75. YOUR PRICE..... $5.05

B2291. With volume control. List, $9.75. YOUR PRICE..... $5.65

HIGH IMPEDANCE MODEL

Model 31-A4 has an impedance of 36,500 ohms and an output of 1 volt. For low gain amplifiers.

B2292. Without volume control. List, $9.75. YOUR PRICE..... $5.65

B2293. With volume control. List, $10.75. YOUR PRICE..... $6.05

NEW WEBSTER CRYSTAL PICKUPS

40 TO 8000 C.P.S.

Exceptionally fine frequency response and freedom from needle noise is obtained through advanced type of construction. A high quality pickup in every respect.



STANDARD MODEL

An excellent crystal pickup for use wherever true reproduction is a necessity. Ideal for use in all types of record and transcription players. Wide range from 40 to 8000 C.P.S. provides unusually brilliant tone quality. Output, 2.5 Volts; impedance, 80,000 ohms.

B2296. Less volume control. List, $11.00. YOUR PRICE..... $6.47

B2297. With volume control. List, $12.00. YOUR PRICE..... $7.06

HIGH FIDELITY MODEL

Similar to the standard model described above but is designed for the very finest installations. Frequency response is flat from 40 to 5000 cycles within 2 db., with a constantly rising output from 5000 to 8000 cycles. Output, .7 volt.

B2298. Less volume control. List, $12.75. YOUR PRICE..... $7.50

B2299. With volume control. List, $13.75. YOUR PRICE..... $8.08

GENUINE RCA-VICTOR PHONOGRAPH NEEDLES

B7613. Soft Tone. 100 to pkge.
B7605. Half Tone. 75 to pkge.
B7606. Full Tone. 100 to pkge.
B7607. Loud Tone. 100 to pkge. Per Pkge., 10c, 10 Pkgs. for..... 75c

B7608. Chromium. 78 RPM. 6 to pkge.
B7609. Chromium. 33⅓ RPM. 6 to pkge. PER PKGE..... 25c

B7610. Tungstone. Full Tone. 8 to pkge.
B7611. Tungstone. Loud Tone. 8 to pkge. PER PKGE..... 25c

B7612. Home Recording Needles. 8 to pkge. YOUR PRICE PER PKGE. 25c

PERMO POINT NEEDLE

B7620. Plays over 2000 records. Fits record groove perfectly. Prolongs record life. EACH, 60c. In lots of 5, EACH..... 50c

NEEDLE CUP



Attractive, well-made needle cup. Will fit any 1¼ inch round opening.

B7601. NET..... 5c

LATEST ASTATIC CRYSTAL PHONO PICKUPS



PIEZO CRYSTAL PICKUPS

The original crystal pickup, and still a favorite with constructors of record-reproducing units. Carefully counterbalanced to exert correct needle pressure assuring maximum fidelity reproduction with minimum surface noise. Frequency response is free from objectionable peaks. Connects to grid of input tube.

HIGH FIDELITY RESPONSE

Small compact type of assembly makes these units ideal for installation in all types of portable record-playing devices. Exceptionally fine frequency response may be varied to accent either treble or bass by varying the value of input circuit resistance.

B7693. 8" arm for 10" or 12" records. List, $10.00. YOUR NET PRICE..... $5.88

B7694. 12" arm for 10" to 16" records. List, $12.50. YOUR NET PRICE..... $7.35

ASTATIC SCRATCH FILTER

B7688. For crystal pickups. Tuned to resonate at scratch frequency. Sealed in metal can, 1 x 1¼ x 2". **NET..... 88c**



"TRU-TAN" PICKUPS

New professional High-Fidelity Crystal pickup for use wherever the finest reproduction is desired. New offset head holds needle true to tangent through entire record playing surface; has reversible action so needle can be replaced from top. Arm rotates on double row ball-bearings.

MODEL B-10

For use in any phono-radio combination, portable phonograph, or similar type of record player. Arm is 10 inches long; for playing all 10 or 12 inch records at either 78 or 33⅓ R.P.M. Free from annoying resonant peaks. Will provide truly high-fidelity reproduction with exceptionally wide range of both treble and bass. Accurately balanced arm of sturdy construction to eliminate vibration. One of the very finest crystal type pickups made today.

B7687. Model B-10. List, $17.50. YOUR NET PRICE..... $10.29

MODEL B-16

Similar in appearance and performance to the Model B-10 described above. Will play all standard records or transcriptions up to 16" size.

B7686. Model B-16. List, $27.50. YOUR NET PRICE..... $16.17



NEW SHURE "ZEPHYR" CRYSTAL PICKUP

A new crystal pickup with many features. Uniform frequency response from 50 to 10,000 cycles. 80,000 ohms impedance; connects direct to grid. "Aero-Stream" design. New "needle-tilt" feature keeps needle tangent to, and centered in the record groove. This feature together with the low needle pressure of 2½ ounces, makes for minimum wear and lowest possible background noise. In molded bakelite housing; 10⅝" long; with 3½' cord and motor board drilling template.

B7696. List, $12.00. NET.... $7.06

AUDAX MAGNETO CHROMATIC PICKUPS



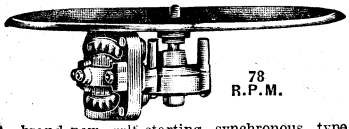
High-fidelity pickups built on the Magneto-induction principle. Frequency range is well beyond the limits of commercial records, assuring brilliant reproduction. Ball-bearing mounted. Low center of gravity. High impedance, high output.

B2251. Type PR-66. For all 10" to 18" records. List, $35.00. YOUR NET PRICE $12.00

B2250. Type HR-64. For all 10" and 12" records. List, $24.50. YOUR NET PRICE. $8.70

PHONO MOTORS · RECORD PLAYERS · CHANGER

SPECIAL VALUE PHONO MOTOR



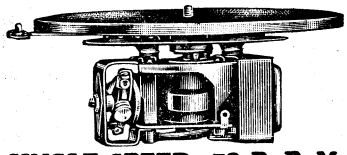
78 R.P.M.

A brand-new self-starting synchronous type single speed phono motor. Designed along advanced principles. Absolutely dependable; quiet in operation. Maintains constant speed regardless of line voltage variations. Has 12 inch felt-covered turntable. Mounts easily with three screws. Shpg. wt., 5 lbs.

B10068. YOUR SPECIAL PRICE..... **$5.85**

B10076. Steel mounting plate for above motor. NET..... **18c**

FAMOUS GREEN FLYER PHONO MOTORS



SINGLE SPEED—78 R. P. M.

A high quality phonograph motor for 78 R.P.M. records. Heavy-duty governor-controlled induction type motor. Operates quietly at constant speed. Equipped with 10 inch turntable and speed control lever. For operation on 110 Volts, 50-60 cycles A.C. Mounting, 6¼x4⅛". Complete with mounting hardware.

B10070. List, $13.25. YOUR PRICE..... **$7.95**

2 SPEED: 33⅓-78 R. P. M.

Heavy-duty type as above. Plays both 33⅓ and standard 78 R.P.M. records. Lever shifts speed instantly. 12" turntable. Mounts in 8¼x5⅜" cutout. Mtg. center, 3¼x6¼. 110 volts, 60 cycles.

B10072. List, $18.00. 12" Turntable. NET..... **$10.80**

B10071. Same as above, but with 10" turntable. List, $17.50. NET..... **$10.50**

UNIVERSAL 110 V.A.C.-D.C

Single speed 78 R.P.M. type. Has A.C. to D.C. changeover switch. With 12" turntable.

B10073. YOUR PRICE..... **$12.30**

DUAL SPEED UNIVERSAL

For operation from 110 Volt 60 Cycle or 110 Volt D.C., either 78 or 33⅓ R.P.M. Has 12" turntable, and all hardware.

B10069. NET..... **$13.95**

6 VOLTS D. C.

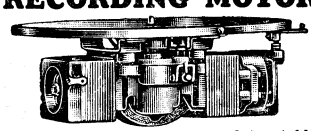
Two-speed type. Operates from 6 volt storage battery at 2.8 amps. Has 12 inch turntable.

B10074. List, $24.50. NET..... **$14.70**

WEIGHTED 12" TURNTABLE

For a special heavy turntable for 33⅓ R.P.M. records, add $1.03 to above prices.

GREEN FLYER RECORDING MOTOR



A heavy-duty double motor and turntable for 78 and 33⅓ R.P.M. recording and playback. Has constant speed, governor-controlled, induction motors. Silent performance is assured by spiral-cut gears running sealed in oil; oversize, self-lubricating bearings. Just the turntable to use with high-grade recording and play-back equipment. Ideal for recording with any head on either blank or pre-grooved discs. Supplied with speed shift lever, speed regulator, hardware and weighted 12" turntable.

B10075. List, $33.50. YOUR PRICE.. **$20.10**

NEW RCA-VICTOR RECORD PLAYER

An ingenious and inexpensive little instrument built by RCA-Victor. Makes an ideal record player for use in adapting radio sets to fine phonograph performance. May be used in conjunction with the RCA RK24 Phonograph Oscillator, or may be directly connected to the radio receiver. In sets with low audio gain the Oscillator must be used. The ready portability of the RCA Record Player also adapts it for effective use with portable A.C. sound equipment.

MODEL R-93-A
B10099
NET
$12.49



PORTABLE ELECTRIC

The RCA Record Player consists of an electrically driven, constant speed turntable capable of playing either ten- or twelve-inch records, and an improved electrical pickup. Motor operates on 110 volt 60 cycle current. A volume control extends out of one end of the case.

CAN BE USED WITH ANY RADIO RECEIVER

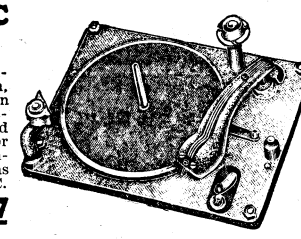
Sell extra entertainment profitably by means of the RCA-Victor Phonograph Record · Player. Easily connected to any radio receiver. Housed in an attractive walnut finished chest, only 11¼" wide, 9" deep, 5⅝" high.

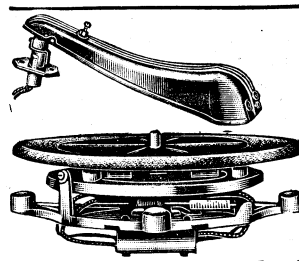
B10099. MODEL R-93-A. NET EACH..... **$12.49**

RCA-VICTOR JR. AUTOMATIC RECORD CHANGER

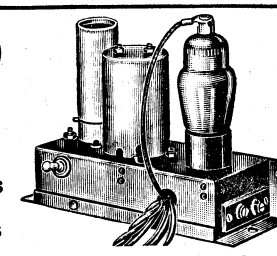
This new record changer is ideal for custom-built combination sets, PA equipment, phonograph modernization, and other applications. It automatically changes seven 10-inch records, plays 12-inch records manually, and repeats the last record of either size. Extremely small and compact; only 13½" long, 10¼" deep. Height above motor board, 4½"; depth below motor board, 3⅞". Comes complete with an excellent magnetic type pickup, 1400 ohms impedance. Operates at 78 R.P.M. 110 volt, 60 cycle A.C. Brown wrinkle finish. Shpg. wt., 15 lbs.

B10098. List, $49.95. YOUR NET PRICE..... **$29.97**





SELL PROFITABLE PHONO INSTALLATIONS TO RADIO SET OWNERS



PHONO MOTOR AND PICKUP ASSEMBLY

An exceptionally compact motor and pickup of excellent design, same as used in the RCA-Victor Model 300 Radio-Phonograph Combination. May be used with any amplifier or radio set where space is limited. Synchronous motor is only 7" in diameter, 2½" deep. Manual starting. Operates constantly at 78 R.P.M. for standard record reproduction. For 105-125 volt 60 cycle operation. The pickup is only 6¾" long, but its performance equals a standard unit. Imp. is 1400 ohms at 1000 C.P.S.; Output .3 V. at 400 C.P.S.

B9447. MIDGET MOTOR. Part No. 11873. For 105-125 volt 60 cycle operation. List, $10.50. NET **$6.30**

MOTOR MOUNTING ASSEMBLY

Consists of all necessary hardware and rubber bushings for mounting the RCA motor described above.

B9446. List, 56c. NET..... **34c**

B9448. MIDGET PICKUP. Part No. 12329. 6¾" long; 2500 ohms Impedance. List, $6.75. NET..... **$4.05**

RCA RK 24 PHONO OSCILLATOR

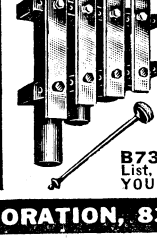
Designed by RCA-Victor to insure good phonograph reproduction when used with practically any receiver. Sell extra entertainment profitably by installing the RK24 Phonograph Oscillator. May be connected in a few minutes. Requires no changes in the receiver wiring. Sells itself to your prospects upon demonstration by "tuning in" phonograph reproduction just like a radio station.

SIMPLIFIED INSTALLATION

Leads are arranged to slip under receiver tube prongs. While the RK24 Oscillator is designed especially for use with the RCA-Victor Record Player, any electrical pickup may be used. Acts as a miniature transmitting station modulated by the phonograph pickup. Has a tuning range of 1400 to 1700 K.C. Requires the use of a 6A7 tube with sets using 6.3 Volt tubes, or a 2A7 with sets using 2.5 Volt tubes. Furnished less tube; with directions. Easy to install; dependable in operation.

B9407. List, $9.75. YOUR PRICE..... **$5.85**

DEAGAN MUSICAL STATION CHIMES



Produces four perfectly pitched notes. Creates delightful mellow tones at any random tapping. Ideal for home use, and for Amateur or Broadcast stations. Chromium-plated screws and black tubes. Supplied complete with tapping mallet, and FREE book of 80 calls and musical selections.

B7330. Model 201. List, $6.00. YOUR PRICE..... **$4.50**

RCA-VICTOR PICKUP HEADS



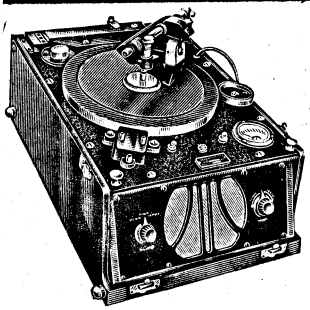
Genuine RCA - Victor replacement phonograph pick-up heads.

B9496. RCA 9676. Exact duplicate pickup for RE45 and RE75. Imp. 400 ohms. YOUR PRICE..... **$3.90**

B9495. RCA 9666. For Model 331. Impedance 30 ohms. YOUR PRICE..... **$3.30**

B7326. New Pick-up Transformer. 30 ohms to grid. A well-made unit. YOUR PRICE..... **$2.20**

RECORDING EQUIPMENT



NEW PRESTO MODEL "D" PORTABLE RECORDER

A new portable unit especially suited to the needs of Schools, Advertising agencies, Broadcast stations, etc. Complete recording and playback equipment in one compact, easily portable unit. Heavy 12" turntable, which handles any disc up to 12" size, is driven by synchronous motor. Sturdy overhead assembly cuts, grooves and records in same operation; recording head has wide frequency range for true tonal reproduction. Has built-in four-stage amplifier with switch for recording or playback; provides excellent tone quality, with ample volume to fill classroom, lecture-hall, etc. Front panel has 8" dynamic speaker. Extremely simple in operation; anyone can make high-quality recordings of speech or music without technical knowledge; no complicated adjustments. Separate input for radio. Has high-grade magnetic playback pickup. Size, only 13½"x16½"x24". With crystal mike and floor stand. For 110 Volts 60 Cycles. Wt., 70 lbs.

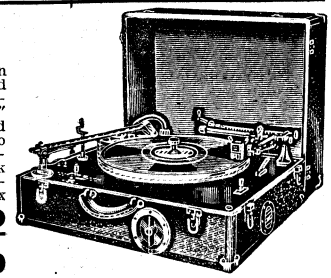
B10083. For 78 R.P.M. Only. Complete with instructions. NET **$325.00**

B10084. For 78 or 33⅓ R.P.M. Complete with instructions. NET **$375.00**

SCHOOLS AND COLLEGES. Write for attractive Educational Discounts on Presto Recording Equipment, discs, etc. We can supply all your recording needs at lowest prices.

UNIVERSAL PORTABLE RECORDER

A new portable recorder. Simple enough in operation so that the ordinary layman can operate it. Speech and dramatic schools will find it of great value in correcting defective speech. Will record any blank up to 17" at either 78 or 33⅓ R.P.M. Can be instantly changed to cut either 90, 110 or 130 lines per inch, "inside to out" or "outside to in." Has 15 ohm Professional cutting head described below. The full frequency playback pickup supplied with B10401, can be used for monitoring. Black grained leatheroid case measures 20"x24"x 12". For 110 volts, 60 cycles. Shpg. wt., 80 lbs.

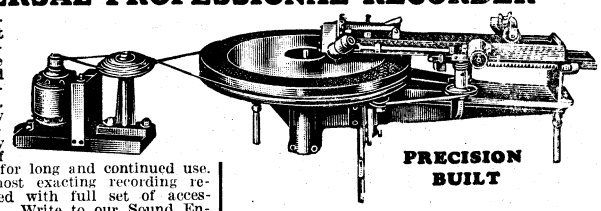


B10402. Universal Portable. NET. **$248.50**

B10401. Universal Portable with 500 ohm pickup. NET..... **$268.50**

UNIVERSAL PROFESSIONAL RECORDER

Precision workmanship and highest quality material combined with the knowledge gained through years of recording experience, make this the very finest recorder obtainable. A heavy "rock solid" piece of precision machinery for long and continued use. Designed for the most exacting recording requirements. Supplied with full set of accessories and hardware. Write to our Sound Engineering Division for full details.



PRECISION BUILT

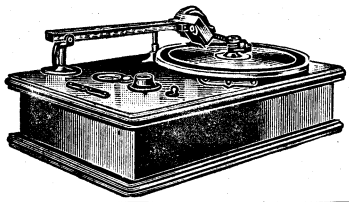
B10400. Complete Professional Recorder, less cutting head. NET..... **$375.00**
Crating charge extra..... **$2.50**

Will record on Aluminum, Silveroid, Acetate or Nitrate discs. 16" turntable driven by a 100% synchronous reversible motor, manually started. Runs either 78 or 33⅓ R.P.M. Supplied less cutting head.

B7230. Professional Cutting Head. Response, 30 to 8000 C.P.S. Has cobalt steel magnet, balanced armature, and fully adjustable. 15 ohms. NET. **$42.00**

B7231. Floating Recording Head for Acetate or wax recording. Nickel aluminum magnet. Response, 30 to 8000 C.P.S. within 2 DB. Imp., 15 ohms. NET.... **$68.00**

These heads come in 50, 200 or 500 ohm models at same prices as above, on special order.

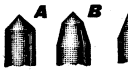


UNIVERSAL RECORDER

Consists of a powerful, rubber-mounted motor for 78 or 33⅓ R.P.M. use; weighted turntable; removable 98 line per inch leadscrew; Professional cobalt-magnet cutting head of 15 ohms impedance. With volume control, level meter, and "on-off" switch. Sample record and full instructions are supplied. Designed for making records on blank aluminum discs up to 12" in size. For 110 V. 50/60 cycles A.C. Also in 50, 200, or 400 ohm models at the same price. Wt., 28 lbs.

B10096.
NET **$92.50**

RECORDING NEEDLES



SAPPHIRE

Of high grade sapphire, precision-ground and polished. Recommended for long wear and fidelity.

B2603. Type A. For blank aluminum discs. List, $4.00. EACH. **$2.35**

B2604. Type B. For pregrooved aluminum and composition discs. List, $4.00. NET EACH..... **$2.35**

B2605. Type D. For Silveroid, Professional and other semiplastic discs. List, $6.00. NET EACH..... **$3.53**

B7612. RCA-Victor Steel Home Recording needles. For pregrooved discs. 8 to a package. YOUR PRICE..... **25c**

PRESTO GENUINE SAPPHIRE RECORDING NEEDLES

B2606. Genuine sapphire needles for acetate recordings. Accurately ground for maximum service. Average life approx. 15 hours. EACH..... **$5.00**

We can resharpen Presto sapphire needles at a cost of $1.65 each.

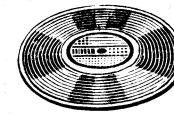
STROBOSCOPE



Checks the speed of any turntable. Place Stroboscope on turntable and illuminate by any light operating on 60 or 25 cycles. 6" in diameter, of heavy cardboard.

B7293. YOUR PRICE..... **15c**

RECORDING DISCS



ALUMINUM

Made of a special hardened aluminum alloy; mirror-polished. Assure maximum volume and brilliancy of tone with long life.

PREGROOVED DISCS

Double-faced, pregrooved discs. May be recorded on both sides. Use Type B Sapphire, or Steel Home Recording Needles.

No.	Dia.	List	NET
B7280	6"	$0.30	16c
B7281	8"	.50	23c
B7282	10"	.75	39c
B7283	12"	1.00	55c

BLANK DISCS

Extra-heavy aluminum discs. .036 in. thick. Use Type A Sapphire Recording Needle.

No.	Dia.	List	NET
B7251	6"	$0.30	15c
B7252	8"	.50	20c
B7253	10"	.75	35c
B7254	12"	1.00	45c

PRESTO GREEN SEAL DISCS

The finest professional recording disc available. Heavy aluminum base evenly coated with cellulose compound. Mirror smooth with minimum surface noise.

No.	Dia.	Thickness	NET
B7303	6"	.051"	$0.40
B7304	8"	.051"	.55
B7305	10"	.051"	.80
B7306	12"	.051"	1.00
B7307	16"	.051"	1.80

OVERSIZE GREEN SEAL DISCS

Oversize discs for producing master recordings when a number of duplicate pressings are required. Only one side can be recorded if disc is to be processed.

B7309	11½"	.079"	$1.25
B7310	13½"	.079"	1.80
B7311	17¼"	.079"	3.00

RECORD PRESSING SERVICE

Allied now offers an inexpensive record pressing service to small recording studios, or persons requiring several copies of any particular recording they may make. Provides any number of duplicates at low cost. Write for prices.

PRESTO BLACK SEAL DISCS

Similar to the Green Seal discs listed above but not as heavy. Recommended for test recordings and for speech correction work where light weight discs can be used.

B7313	6"	.021"	35c
B7314	8"	.021"	45c
B7315	10"	.021"	65c
B7316	12"	.021"	80c

Attractive Educational Discounts on quantity orders for recording discs are offered to Schools, Universities, etc. Write for complete details.

CUTTING LUBRICANT

B7247. For use on disc surface before cutting. Reduces surface noise, and prolongs stylus life. In 1 oz. vials. NET. **29c**

RECORD PRESERVATIVE

B7248. For application to record after cutting. Polishes grooves, and preserves by sealing off newly exposed material. 1 oz. cans. NET..... **29c**

RECORD RECONDITIONER

B7249. A gas-liberating chemical for softening Nitrate or Acetate blanks. Reconditions old records, or softens new blanks before cutting. 1 oz. cans. NET..... **29c**

PLAYBACK NEEDLES

B7589. BAMBOO REPRODUCING NEEDLES. For playing all types of recorded discs. PACKAGE OF 100.... **59c**

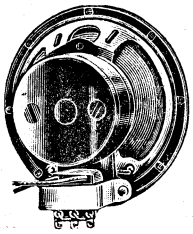
B7278. RED CACTUS NEEDLES. The most durable non-metallic needle. Plays 5 to 15 records. PKG. OF 10... **59c**

B7272. RED SHANK STEEL NEEDLES. For maximum number of playbacks on Acetate coated discs. .002" radius at point. PACKAGE OF 10..... **15c**

B7279. "TRAILING SHOE" NEEDLE. For Silveroid, pregrooved composition, or cellulose records when played with a head whose angle is less than 30° from the vertical. PACKAGE OF 10..... **29c**

REPLACEMENT DYNAMIC SPEAKERS

KNIGHT PERMANENT MAGNET DYNAMIC SPEAKERS



A new line of high quality permanent magnet dynamic speakers with exceptional features. Speaker magnets are made of high-permeability "Alnico"; cones are of seamless, non-resonant material. Girder type frame construction is used throughout. Ideal for PA installations, or as extension speakers on sets and amplifiers. All speakers except 3½" model have universal output transformers.

NEW 3½ INCH MODEL

Ideal for battery or small AC-DC sets. Only 2" deep. Handles 1½ watts. Voice coil, 3 ohms. Furnished less output transformer.

B9528. NET **$1.76**

5 INCH MODEL

An ideal midget set replacement speaker. Has full ¾" pole piece; 5 ohm voice coil. Will handle 3 watts with remarkable fidelity.

Shpg. wt., 2 lbs.

B9533. NET..... **$2.52**

8 INCH MODEL

An ideal replacement speaker for all battery sets, or for speaker extensions. 5 ohm voice coil. Will easily handle 5 watts.

Shpg. wt., 4 lbs.

B9535. NET..... **$3.42**

6 INCH MODEL

For set builders and for use in small table model sets. ¾" pole piece; 5 ohm voice coil. Handles 4 watts without distortion.

Shpg. wt., 2½ lbs.

B9534. NET..... **$2.79**

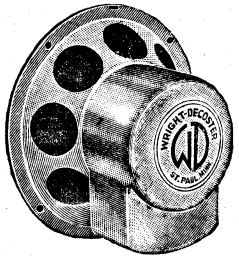
12 INCH MODEL

May be used as P.A. extension speakers or for larger radio sets. 5 ohm voice coil. Will handle 9 watts without distortion.

Shpg. wt., 9 lbs.

B9536. NET..... **$5.99**

WRIGHT-DECOSTER UNIVERSAL REPLACEMENT DYNAMIC SPEAKERS



A high grade line of speakers for universal application. Among the many desirable features are: Sizes for every requirement; Universal field coil; Universal output transformer, etc. Ideal for all replacement or custom-building requirements which demand high quality reproduction. Universal field coils: 2500, 2200, 1800, 1500, 1000, 700 and 1800 ohms tapped at 300 ohms. May be used to replace any speakers with field resistances listed above. Output transformer matches any single or P.P. output tubes. Every Service Shop should have several of these speakers to take care of emergency replacement calls.

6 INCH MODEL

Ideal for midget sets. Will improve quality of reproduction without distortion at full volume.

Shpg. wt., 3¾ lbs.

B9590. NET..... **$3.43**

10 INCH MODEL

Will amply handle the output of most 6 to 10 tube radio sets. Has unusually fine tone. Shpg. wt., 4½ lbs.

B9592. NET..... **$5.39**

8 INCH MODEL

For use as replacement speakers in small consoles and larger table model receivers.

Shpg. wt., 4½ lbs.

B9591. NET..... **$3.92**

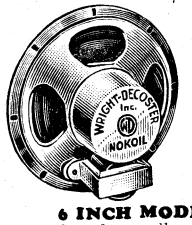
12 INCH MODEL

Equipped with the famous Para-Curve diaphragm. Ideal for large radio sets and small P.A. systems. 8½ lbs.

B9593. NET..... **$5.88**

NEW WRIGHT-DECOSTER NOKOIL DYNAMIC SPEAKERS

NO FIELD COIL—NO FIELD DRAIN



A radically new design. Capable of performance usually expected only from electro-dynamics. Ideal replacements for old style magnetics in battery-operated receivers. Small in size; require little space. For small sets, call systems, etc. Have 5.3 ohm voice coils. With universal output transformer.

NEW 5 INCH MODEL

For small radios and call systems, etc. Furnished with semi-universal output transformer; sec. 7000 ohms C.T. 2 lbs.

B9575. List, $7.00. NET.... **$3.43**

6 INCH MODEL

Excellent for small portable radios, battery sets, office intercommunication systems, etc. Wt., 2¼ lbs.

B9576. List, $8.00. YOUR PRICE **$3.92**

10 INCH MODEL

Here's an ideal unit for those medium powered replacement or original installations. Will handle 3½ watts. Wt., 4½ lbs.

B9578. List, $10.00. YOUR PRICE **$4.90**

8 INCH MODEL

For table model radio sets, call systems, or small P.A. systems. Will handle power input up to 3½ watts. Wt. 2¾ lbs.

B9577. List, $9.00. YOUR PRICE **$4.41**

12 INCH MODEL

Large size super-sensitive speaker for large radio sets, or for multiple speaker call systems. Wt., 7½ lbs.

B9579. List, $12.00. YOUR PRICE..... **$5.88**

FULL RANGE 12 INCH MODEL

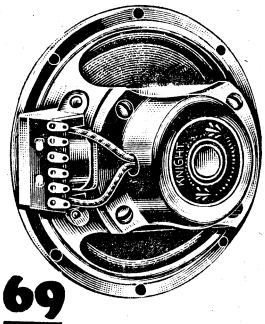
A full-range 8 watt reproducer designed for large radio sets, record players, sound distribution systems, etc. Provides maximum sensitivity with highest possible efficiency. Wt., 8 lbs.

B9580. List, $18.00. YOUR PRICE..... **$8.82**

KNIGHT DYNAMIC SPEAKERS OUTSTANDING VALUES

- **Universally Accepted by Discriminating Servicemen**
- **Incorporate Every Valuable Feature of Modern Design**
- **Quality Construction Gives Fine Frequency Response**
- **Cones and Voice Coils Built for Maximum Efficiency**
- **Ample Power-Handling Ability; Conservatively Rated**
- **Long Life Assured Even Under Continuous Operation**
- **All Speakers Equipped with Universal Transformers**

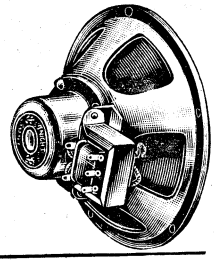
KNIGHT 6 INCH DYNAMIC



A compact dynamic speaker capable of surprisingly smooth performance. Will adequately fulfill all requirements for superior reproduction in medium-sized sets where space is limited. Carefully assembled of highest-quality components; rigidly inspected to assure a speaker mechanically and electrically correct in every detail. The sturdy construction of this speaker assures long trouble-free operation. Voice coil, ¾" diameter; impedance, 3½ ohms at 400 cycles. Available with field coils to fill all requirements of either replacement or original installations. Each speaker equipped with universal type transformer for matching any single or push-pull output stage.

B9256. 6 Volt Field.
B9257. 1000 Ohm Field.
B9258. 1800 Ohm Field tapped at 300 Ohms.
B9259. 2500 Ohm Field.
YOUR PRICE EACH..... **$1.69**

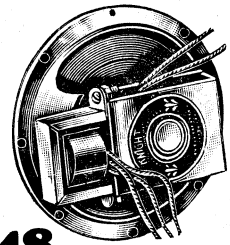
KNIGHT 8½ INCH DYNAMIC



An ideal speaker for use with console receivers and small public address systems. Will handle full volume without overloading or distorting. Cone assembly designed to permit maximum fidelity of reproduction without objectionable resonant points. Correctly aligned voice coil and cone assure maximum efficiency. Heavy rigid frame assembly. Voice coil, ⅞" diameter; impedance, 3 ohms at 400 cycles. 8½" overall diameter; only 4¾" deep. With universal output transformer.

B9260. 6 Volt Field.
B9261. 1000 Ohm Field.
B9262. 1800 Ohm Field Tapped at 300 Ohms.
B9263. 2500 Ohm Field.
YOUR PRICE EACH... **$2.40**

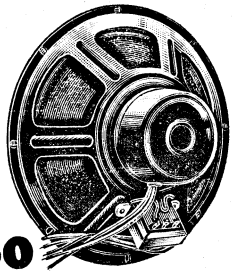
KNIGHT 5 INCH DYNAMIC



Developed especially for use in the new compact receivers where space is at a premium. 6 volt model is ideal for use as replacement speaker for auto radios. An inexpensive speaker for replacement purposes in small midget or portable sets where cost must be held to a minimum, or where only limited space is available. Has excellent frequency response and will handle a surprisingly large amount of volume. Correct design and alignment of free moving cone and voice coil assembly largely eliminates distortion even when delivering full volume. Voice coil, ¾" diameter; impedance, 3½ ohms at 400 cycles. Only 5" diameter, and 2⅜" deep. Supplied with universal transformer to match all tubes.

B9254. 6 Volt Field.
B9255. 3000 Ohm Field.
YOUR PRICE EACH..... **$1.48**

KNIGHT 12 INCH DYNAMIC



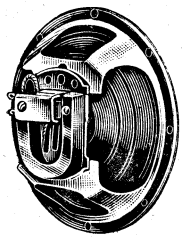
An exceptionally well-built reproducer with excellent power handling ability. Designed to render the highest type of faithful reproduction and tone quality. Will handle up to 8 watts with a minimum of distortion and complete elimination of annoying rattles and "blasting." Ideal for use in large console type receivers, or for small indoor public address systems, call systems, etc. Sturdy construction combined with careful selection of materials assures maximum performance. Overall sensitivity far superior to similar speakers of the same physical characteristics. Equipped with universal output transformer to match any single or push-pull output stage. Shpg. wt., 6½ lbs.

B9530. 6 Volt Field.
B9531. 1000 Ohm Field.
B9532. 2500 Ohm Field.
YOUR PRICE EACH..... **$3.80**

KNIGHT MAGNETIC SPEAKERS

RADIO'S GREATEST SPEAKER VALUES

- Complete Assortment of Sizes
- Sturdily Constructed for Long Life
- Ideal for "Second-Speaker" Use
- Suitable for All Types of Sets
- Tone Quality Like an Electrodynamic
- Priced for Serviceman & Experimenter

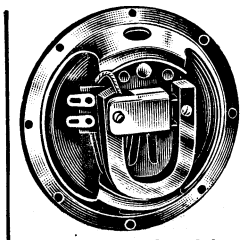


6 INCH MODEL

B9252

$1.59

A sturdy and powerful, small size magnetic speaker, only 6" in diameter. Has heavy pressed steel frame and large magnet. Latest improved armature design; extra flexible diaphragm. Will handle up to 1 watt output. DC resistance, 1000 ohms. Especially recommended for battery and AC-DC set use, as an extension speaker, or in multiple-speaker installations. An ideal high quality all-purpose unit constantly in demand and priced low for profitable installations. Shipping weight, 4 lbs.

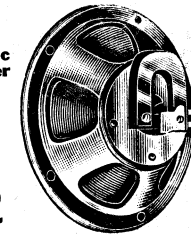


5 INCH MODEL

B9251

$1.13

A well-designed midget type speaker suitable for use with battery, small AC-DC and AC sets where space is very limited. Only 5 inches in diameter. Pressed steel frame is of rigid design. Has generous sized magnet. DC resistance is 1000 ohms. Unusually fine tonal response. An excellent replacement unit for all compact-type radio sets, or for use in multi-unit installations and as extension speaker. Well-built for good service. A wonderful value at our low price. Shipping weight, 3 lbs.

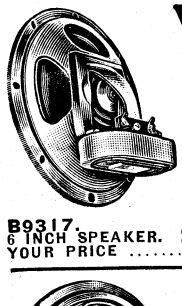


8½ INCH MODEL

B9253

$1.78

Similar in construction to the smaller models, but is 8½" in dia., 3⅝" deep. Has extra flexible diaphragm and heavy-duty magnet. Will easily handle up to 1½ watts of audio without distortion. Carefully assembled to insure long life and freedom from rattles and objectionable vibration. DC resistance, 1000 ohms. Ideal for battery set use and as extension speakers in hotel, school, and similar multi-speaker installation. The scientific design and construction of this fine magnetic speaker results in excellent tonal performance. Shipping wt., 4 lbs.



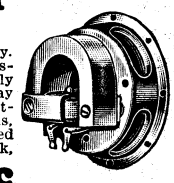
Wright-Decoster HYFLUX MAGNETIC SPEAKERS

A new and improved type of magnetic speaker. Designed for use in both new and old construction. Compact assembly makes this speaker ideal for installation where space is at a premium, as in battery and auto sets, or in multiple extension speaker systems. Depth behind panel is less than 3 inches. Frequency response is unusually good. Rigidly constructed from finest materials for years of trouble-free service. All parts are fully shielded and protected against dust, grit, and other foreign matter.

B9317. 6 INCH SPEAKER. YOUR PRICE **$2.45**

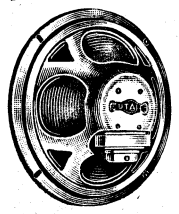
B9318. 8 INCH SPEAKER. YOUR PRICE **$2.94**

KNIGHT 3 INCH MIDGET MAGNETIC SPEAKER



Here's the smallest efficient speaker you can buy. A high quality, well-designed magnetic speaker measuring only 3 inches in diameter. Intended especially for use in pocket-sized midget receivers, two-way communication systems, and small portable short-wave receivers. Strong, permanent magnets and coils, of full size, are mounted on a midget rigid pressed steel frame. May be mounted from front or back, in any position desired. Shpg. wt., 1 lb.

B9458. YOUR PRICE **98c**



UTAH SPEAKERS
ORTHOVOX PM TYPE

New type permanent magnet speaker at a really attractive price. Provides high quality reproduction which compares very favorably with that of the best electro-dynamics. Cone and driver assemblies are perfectly aligned, insuring freedom from rattles and vibration even at full volume. Equipped with chrome-steel permanent magnets and heavy-duty laminated armature, enclosed and protected from dust, grit, etc. Because no field excitation is required, this speaker is ideal for multiple speaker installations, or as an extension speaker for radio sets, etc. Available in several popular sizes, with output arrangements to match practically any tube combination. For types listed refer to Output Tube Data below.

Model 5X-5" Diameter

Ideal for use in A.C.-D.C. midget sets. Will handle 1½ watts. Shpg. wt., 2 lbs.

B9219. Type A.
B9220. Type B.
B9221. Type C.
B9231. Type D.
B9232. Type E.
List, $3.75. EACH.. **$2.20**

Model 6X-6½" Diameter

Will handle up to 2 watts. A sturdy popular speaker. Shpg. wt., 3 lbs.

B9222. Type A.
B9223. Type B.
B9224. Type C.
B9233. Type D.
B9234. Type E.
List, $4.00. EACH.. **$2.35**

Model 8X-8" Diameter

Will handle up to 3½ watts. Shpg. wt., 4 lbs. An excellent value.

B9225. Type A.
B9226. Type B.
B9227. Type C.
B9235. Type D.
B9236. Type E.
List, $4.50. EACH... **$2.65**

Model 12X-12" Diam.

Will handle up to 6 watts. Heavy-duty model. Shpg. wt., 5 lbs.

B9228. Type A.
B9229. Type B.
B9230. Type C.
B9237. Type D.
B9238. Type E.
List, $7.00. EACH... **$4.12**

OUTPUT TUBE DATA

TYPE A	Single. 01A-39-49.
	Push-Pull. 6A4-10-12A-20-31-33-38-41-42-46-47-59-89-2A5.
	Class B.* 6A6-6F6-19-49-53-79-89.
TYPE B	Single. 2A5-6A4-6F6-10-12A-20-31-33-41-42-46-47-59-89.
	Push-Pull. 43-45-71A.
TYPE C	Single. 43-45-71A.
	Push-Pull. 2A3-48.
TYPE D	500 ohm line.
TYPE E	1000 ohm line.

* For Class B operation, connect a 1 watt resistor across two outside speaker terminals. The resistor value in ohms should be at least 5 times the total plate-to-plate load impedance.

8½ INCH MAGNETIC SPEAKERS
GOTHIC CABINET MODEL



A fine table model magnetic speaker. Combines attractive appearance and excellent tone quality. Handsome walnut-finish cabinet is 11" high, 10⅜" wide, and 6½" deep. A high quality magnetic speaker chassis is mounted in the cabinet. Speaker chassis is 8½" diameter, 3⅝" deep; has pressed steel frame, large magnet and improved armature structure. 1000 ohms DC resistance. Equipped with 5½ ft. cord. This high grade speaker is ideal for use with battery sets, multiple speaker systems, extensions, etc.

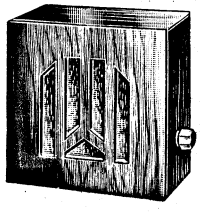
B9444. YOUR PRICE..... **$2.98**

WALNUT SPEAKER CABINET ONLY

Cabinet only as illustrated above. Very sturdy. Has beautiful walnut finish and attractive design. Will accommodate any speaker not over 8½" in diameter. 11" high, 10⅜" wide, 6½" deep.

B9445. YOUR PRICE..... **$1.40**

SQUARE CABINET MODEL

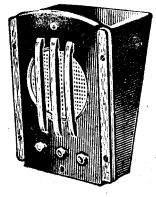


A sturdily built modern, handsome square-type speaker cabinet finished in rich dark walnut. Equipped with new, improved 8½" double-magnet magnetic type reproducer. An ideal extension speaker. Has gold-bronze silk grille, both front and back. Complete with 6 ft. cord. Size, 9¼" square x 5¼" deep. Shpg. wt., 5 lbs.

B9483. NET **$3.05**

B9484. Same as above, but with Volume Control and "On-Off" switch. Load resistor is thrown across line in "Off" position, so that volume of other speakers on same line is not affected. NET..... **$4.50**

JENSEN PERI-DYNAMIC SPEAKERS

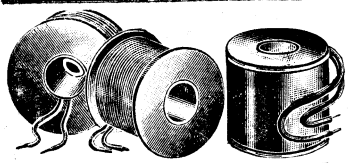


Absolutely new. The "Peri-dynamic" (enclosed dynamic) principle permits superior baffling of the speaker, provides improved performance and positive speaker protection. The principle follows the theory of the operation of speakers in air-tight enclosures. The enclosure and the new Jensen 8" PM type "G" electro-dynamic speaker were designed for best acoustic results. The performance of the new Peri-dynamic is amazingly fine, and it is easily capable of handling a full 5 watts continuously without distortion. Enclosed in a wood cabinet finished in black lacquer and walnut. 12⅜" wide x 16½" high.

B9682. With 6 ohm voice coil. Less transformer. NET..... **$12.20**

B9683. With adjustable line transformer, 500, 1000, 1500, 2000 ohms.
B9684. With adjustable output transformer, 4500, 7000, 10000, 14000 ohms CT. List, $22.00. NET EACH.. **$12.94**

REPLACEMENT PARTS FOR SPEAKERS



EXACT DUPLICATE FIELD COILS

Replacement field coils which exactly duplicate the originals physically and electrically. Perfectly impregnated against moisture.

We can supply field coils other than those listed below. If possible send sample with deposit, or specify inside dia. of hole, outside dia. of coil, length of winding, and resistance and we will supply or quote promptly.

Cat. No.	Set or Speaker	Res. Ohms	YOUR PRICE
B2990.	Apex-Gloritone 20	5,935	$1.47
B2950.	Apex-Gloritone 26	11,500	1.47
B2951.	Apex 26A	11,500	1.47
B2952.	Apex 26P (Spkr. 2758)	11,500	1.47
B2953.	Apex 26P (Spkr. 2925)	11,500	1.47
B2954.	Apex 27	11,000	1.47
B2955.	Apex-Gloritone 8A	6,600	1.47
B2991.	Apex-Gloritone 10B	6,600	1.47
B2992.	AK 46, 47, 53	1,700	3.53
B2993.	Brunswick 16	2,400	2.35
B2993.	Brunswick 16	2,400	2.35
B2994.	Crosley 269	10,000	2.25
B2958.	Crosley M45	2,500	2.82
B2995.	Jensen D7, D8	1,500	2.59
B2960.	Jensen D7, D8	2,500	2.94
B2996.	Lyric 9	5,000	4.12
B2964	Magnavox 9"	2,500	3.82
B2965.	Majestic G1	3,100	3.15
B2966.	Majestic G2	2,730	3.15
B2967.	Majestic G3	2,730	4.41
B2969.	Majestic G5	7,650	4.70
B2997.	Majestic G19F	710	1.59
B2975.	Oxford Medium	1,000	2.79
B2976.	Oxford Medium	2,500	3.53
B2977.	Oxford Medium	1,000	3.53
B2978.	Oxford Auditorium	1,500	2.25
B2979.	Oxford Auditorium	2,500	2.75
B2980.	Oxford Auditorium	4,000	1.95
B2981.	Philco 20	3,100	1.18
B2982.	Philco 86, 87, 65, 95, 76, 96, 77	3,200	2.65
B2970.	Philco 70	3,600	1.18
B2983.	RCA 46	2,500	2.35
B2986.	RCA 106	6,000	2.94
B2987.	RCA Photo	1,000	7.44
B2984.	Stewart Warner 950	10,000	4.70
B2985.	Stewart Warner R202	10,000	2.35
B2988.	Temple (All)	2,250	4.12
B2989.	Victor RE32, 45, 75.	2,950	2.79



AC-DC FIELD COILS

For midget 5" and 6" speakers. 1" inside dia.; 2" outside dia. ¾" high. Supplied with 3 gaskets to permit secure installation.

		List, $1.50 NET EACH
B2690.	1,000 Ohm.	
B2691.	1,500 Ohm.	
B2692.	2,000 Ohm.	
B2693.	2,500 Ohm.	**88c**
B2694.	3,000 Ohm.	

We can supply field coils other than those listed. Please specify resistance.

REPLACEMENT DIAPHRAGMS FOR DYNAMIC UNITS

For all Racon and Western Electric units. Please specify model, type, and serial number of your unit. Unit may be shipped to us for installation of proper diaphragm at an additional cost of $1.50 net.

B2672. For Racon Units.
B2673. For W. E. Units. EACH **$2.94**

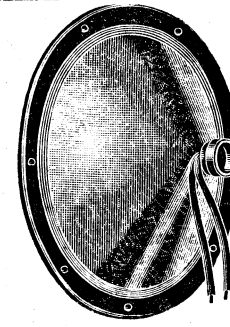
SPEAKER CENTERING SHIMS



Celluloid spacers for centering and adjusting speaker voice coils and armatures. Flexible and tough. Kit includes: 4 shims-.005; 4 shims-.0075; 4 shims-.010; 4 shims-.0125. In handy compact leather case with separate marked compartments.

B2999. YOUR PRICE **36c**

EXACT DUPLICATE SPEAKER CONES



Duplicate replacement cones accurately designed and carefully constructed to match the originals. One piece seamless material is used; noted for enduring, non-resonant quality. An accurately wound voice coil is included with each cone. Cones are precisely molded by patented process to secure excellent tonal quality and long life. Voice coils are also exact duplicates of the originals in all specifications. For improved tone quality, replace your old speaker cones with these reliable exact duplicates.

If the cone you require is not listed below, your cost can be generally determined by the following schedule: 5" to 6" cones—$1.10; 7" to 9" cones—$1.50; 10" to 12" cones—$1.95. Cones 13" and over will be duplicated at a cost not to exceed $2.75. Please send in your old cone with remittance. If the entire speaker is sent in for cone installation, add 75c to above prices to cover installing and cleaning.

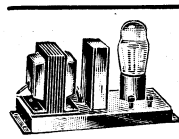
Catalog No.	For Model	Outer Dia., In.	YOUR PRICE
B9361.	A.K. Pt. No. 15142, mod. 43, 46, 55, 60, 64, 66, 67, F4	10¾	$1.18
B9362.	A.K. Pt. No. 14374, mod. 43, 46, 55, 60, 64, 66, 67, F2	10¾	1.18
B9363.	A.K. Pt. No. 19465, mod. 80, 82, 84, 558, 627, 87, 90, 92. Early 83, 85	8½	1.03
B9371.	Brunswick D, 11, 12	9	1.47
B9372.	Brunswick 15, 22, 32.12		1.71
B9373.	Brunswick 14, S14	12	1.71
B9367.	Brunswick 24, 17, 16, 18, 33, 25	12	1.71
B9368.	Brunswick 81, 82, S81, S82, 14, 21, 31, S14, S21, S31.12		1.71
B9369.	Crosley M45 Mod. 262, 40S, 42S, 62S, 30S	8¾	1.47
B9442.	Grunow 650, 651, 661, 670, 750	8⅛	1.47
B9443.	Grunow 520	5	.88
B9374.	Jensen D4, D5	9¾	1.71
B9375.	Jensen D7, D8	11¼	1.70
B9376.	Jensen D9 (Outside spider)	11¼	1.71
B9377.	Jensen D9 (Inside spider)	11¼	1.62
B9382.	Jensen D10, D11, Airline 83, Kennedy 42	8½	1.41
B9378.	Jensen D12, D14	8½	1.41
B9379.	Jensen D15	8½	1.32
B9380.	Jensen D16	8	1.32
B9381.	Jensen Aud. DA5, DA6	13	2.94
B9383.	Jensen D19, (Short 3 Pt. Spider)	10	1.62
B9384.	Jensen J1, J2, Stewart Warner 206A	6½	1.03
B9347.	Magnavox 130, 136, Airline 360, Crosley 369, Zenith A, B, C	8½	1.47
B9348.	Magnavox 130, 138, 401	8½	1.47
B9412.	Magnavox D7, D8, D6, 80, 100, Sparton 737, 931, Eveready 30,40, Bosch 29A, Kellogg 523	8⅝	1.62
B9386.	Majestic G1	9	.84
B9387.	Majestic G2	9	.84
B9388.	Majestic G3	10	1.18
B9390.	Majestic G5	12	1.71
B9391.	Majestic G6	9¾	1.47
B9392.	Majestic G7	9¾	1.47
B9395.	Majestic G10B	7½	1.18
B9396.	Majestic G11	10	1.40
B9397.	Majestic G13	12	1.32
B9398.	Majestic G14	12	1.18
B9399.	Majestic G19	10	1.18
B9400.	Majestic G22	12	1.18
B9385.	Majestic G24	6	.88
B9394.	Majestic G26A	5	.85
B9402.	Oxford (3 pt. spider)	11¾	1.62
B9403.	Oxford (2 pt. spider)	8¼	1.41
B9404.	Oxford (3 pt. spider)	9¾	1.47
B9405.	Oxford Auditorium	13¼	2.35
B9436.	Philco Pt. No. 02861, mod. 5, 48, 50, 52, 80, 81	5¾	.59
B9406.	Philco 87, 65, 95, 76, 96, 77, 40, 111, 90, 112	10⅞	.82
B9407.	Philco 90, 3, 7, 20, 21, 70	8⅝	.73
B9408.	RCA 104, 105	8	$1.18
B9409.	RCA 106, R80, R82, R86, R35, R39, RE57, R34, R50, R55	10½	1.18
B9410.	RCA 48, R7, R7A, R8, R10, R11, R12, R15, R18, R19, R20, R23, R42, R14, RE17	10¼	.88
B9290.	RCA Pt. No. 9023, mod. M34, M105	5	.59
B9291.	RCA Pt. No. 8987, mod. R28, R28P, K22, R28EW, RE40, RE40P, 100, 101, 110, 111, 114, 115, M116, 300, 301..	5	.59
B9292.	RCA Pt. No. 9428, mod. R37, R37P, R38, R38P, 112, 120, 121, 122, 124, 126B, 142B, 241B, 310, 320	6½	.59
B9293.	RCA Pt. No. 8921, mod. R71, R71B, SWA3, R24..	7½	.73
B9294.	Rola F4	5	.82
B9295.	Rola F5	6¼	1.03
B9296.	Rola F6, FS	7½	1.18
B9297.	Rola D90, D110	9½	1.62
B9298.	Rola Series K	7¾	1.47
B9413.	U. S. Apex-Gloritone 26A (Spkr. 2467)	7¾	1.18
B9414.	U. S. Apex-Gloritone 8A (Spkr. 2801)	7¾	1.32
B9415.	U. S. Apex-Gloritone 26 (Spkr. 2286)	8½	1.18
B9416.	U. S. Apex-Gloritone 26P (Spkr. 2758)	7¾	1.18
B9417.	U. S. Apex-Gloritone 26P (Spkr. 2925))	7¾	1.32
B9419.	U. S. Apex-Gloritone 27 (Spkr. 1936)	8½	1.18
B9420.	U. S. Apex 10B (Spkr. 2802)	10	1.47
B9421.	Utah Stadium (66A 66B)	11¼	1.70
B9428.	Utah 12B (3 point spider, 16 ohm voice coil)	12	1.70
B9429.	Utah 12A (inside spider)	11	1.62
B9422.	Utah Isodyne	7¾	1.18
B9423.	Wright DeCoster 107	12	1.71
B9424.	Victor RE32, 45, 75	9	.95
B9425.	Victor RE57, 34, 35, (RCA 106)	10¼	1.18
B9441.	Zenith 52, 72 (LL18)	12¼	1.70
B9426.	Zenith 52,72 (Oxford)	12	1.70
B9427.	Zenith 92 (Jensen D9)	11¼	1.62

REPLACEMENT CONE VICTOR RE32, RE45 75 AND 72



Made of seamless reinforced fabric, coated with a special metallized lacquer. Truly non-resonant and designed for long life. Has accurately wound, perfectly centered voice coil. Advanced type of construction is a distinct improvement over the original. Cone size 9 inches.

B9424. YOUR NET PRICE... **95c**



FIELD EXCITER

A useful field supply unit, using a type 80 tube as a rectifier. For converting a D.C. field speaker for A.C. operation. Furnishes 15 watts under normal use. Special filter reduces speaker hum. With 110 volt, 60 cycle transformer. Size 3½x 9x4½" high. Wt., 5 lbs. Less tube.

B9482. YOUR PRICE..... **$2.94**

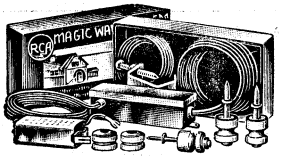
SPEAKER CONE CEMENT



Readily cements speaker cones, paper rings and felts to speaker frames. Comes in convenient metal tube containing 3 ounces, enough for many jobs. This high quality cement dries quickly and holds permanently. A necessary item in the serviceman's kit. Almost as important to have as the right cone.

B2931. YOUR PRICE **24c**

RCA-VICTOR ANTENNA SYSTEMS & ACCESSORIES



TRANSMISSION LINE

Magic-Wave Transmission Line. May be used on single or multiple-outlet installations to extend the transmission line or to carry it along to other sets when more than one is used. RCA 9816.

B7543. 45 Foot Coil.. **90c**

FOR UNDERGROUND USE

A special transmission line is available for underground service. Can be buried. RCA 12429.

B7544. 45 Foot Coil..... **$1.20**

B7545. RCA 12430 UNDERGROUND LINE. 90 Foot Coil **$2.25**

NEW RCA MAGIC WAVE ANTENNA SYSTEM

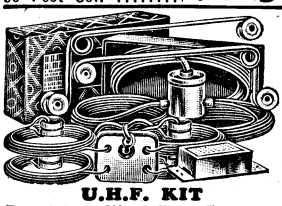
- **Easily Installed With Lengths from 20 to 120 Feet**
- **Versatile—No Doublets or Critical Lengths**
- **Up to 16 Outlets with Proper RCA Transformers**
- **May Be Mounted Easily In Any Position**

A new all-wave antenna system offering many new features and opportunities for profit. Antennas may be mounted vertically or horizontally and from 20 to 120 feet in length. Special purpose leads from center of the aerial are eliminated. No critical lengths in doublets or transmission lines. As many as 16 sets may be used with only slight efficiency loss. New magnetite cores in antenna and receiving transformers give high efficiency from 530 to 23,000 K.C. and good noise reduction. Transmission lines may be buried. Factory-wired kit consists of: Receiver and Antenna Coupling Transformers; 60-feet Antenna Wire; 45-feet Transmission cable; 5-feet ground wire; 5-porcelain insulators and 1-ground clamp.

B7540. List, $6.95. NET..... **$4.17**

B7541. Distribution Transformer. One is required for each 4 additional outlets. NET.. **$1.80**

B7542. Set Coupling Transformer. One is required for each additional outlet. NET..... **$1.50**



U.H.F. KIT

B7581. Ultra High Frequency Kit. When added to the Spider-Web, will increase range to cover from 23 to 70 M.C. with complete noise rejection. NET **90c**

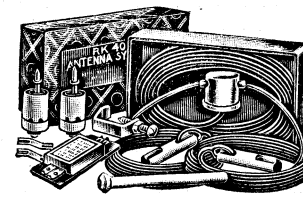
RCA SPIDER-WEB ANTENNA

New communications type antenna system. Consists of a series of doublets with high efficiency transmission line. Functions as a "T" type antenna below 4000 kc., and as a multiple-tuned doublet from 4000 to 23,000 kc. Easy to install; has 38 foot span with 12 foot vertical clearance. The unique design of this antenna insures greater signal pickup on every band, bringing in more stations than ever before. Factory-assembled for quick installation.

SYSTEM CONSISTS OF:

Complete assembly including: 6 coils of 7x22 stranded antenna wire in various lengths; 2 hangers; 1 coil of lead-in wire; receiver and antenna coupling transformers; 7 "U" clips; 2 antenna transformer connections; and complete installation instructions.

B7580. List, $8.95. NET **$5.37**



RCA RK-40 ALL-WAVE ASSEMBLED ANTENNA

- **Gives All-Wave Coverage**
- **Improves Broadcast Reception**
- **Comes Completely Assembled**
- **Easy To Install Anywhere**

A scientifically designed All-Wave antenna of the Universal Doublet type. Completely assembled, ready to install; total span is only 68 feet. Noise pickup is eliminated by use of twisted pair transmission line. Improves reception on all bands. One of the very finest low-cost All-Wave aerials available today.

HOW THE SYSTEM WORKS

The antenna itself acts as an efficient pickup medium, giving high signal strength on all short wave and broadcast bands. The transmission line conveys this energy to the coupling unit which automatically matches the line to the input circuit of the receiver.

KIT CONSISTS OF:

1 Complete antenna assembly, with end insulators, 75 feet transmission line, hermetically sealed antenna junction box, all completely assembled; 1 Receiver matching transformer; 2 Porcelain nail-on knobs; 1 Porcelain lead-in tube; 1 Adjustable ground clamp.

B7598. List, $5.75. YOUR PRICE **$3.45**

ANTENNA INSULATORS

BEE-HIVE INSULATOR



For supporting wiring, or instruments. Made of glazed porcelain. 2" dia.; 2¼" high. Extra strong and weatherproof. May be used outside to support lead-in or ground wires.

B6190. 10 FOR 84c. EACH..... **9c**

STAND-OFF INSULATOR



Highest quality porcelain construction. 4 in. high. For efficient antenna installations.

B6191. 10 LOTS, 95c. EACH **10c**

STAND-OFF INSULATORS



High-grade glazed porcelain construction with deep corrugations. Nickel-plated brass hardware.

B6148. 5¼ in. high, with base 2¼ inches square. NET EACH **37c**

B6149. 3⅜ in. high, with base 1⅞ inches square. NET EACH **18c**



PORCELAIN TUBES

Durable, non-absorbent porcelain, with smooth finish inside and out. Flanged at one end to avoid driving in too far. Inside dia. 5/16".

B6212. 3" Long. 10 for 18c. EACH..... **2c**

B6213. 6" Long. 10 for 24c. EACH..... **3c**

PORCELAIN INSULATORS

Glazed porcelain; corrugated for minimum leakage. Extra strong.



B6192. 2½ inches long. 10 FOR 20c. 100 FOR $1.85. EACH **2½c**

B6193. 4 inches. 10 LOTS, 45c. EACH..... **5½c**

B6194. 5 inches. 10 FOR 85c. EACH..... **9c**

PYREX INSULATORS

Strong rugged insulators, with low power loss and low surface conductivity. Built to withstand heat, cold, and other atmospheric conditions.



B3750. 3⅝" long. For Receiving Aerials. EACH.. **20c**

B3751. 7½" long. Will handle up to 250 watts. NET EACH **75c**

GLASS INSULATORS

Absolutely climate-proof. Extremely efficient; designed for great strain. 3 in. long. Inexpensive sturdy insulators.



B6196. 10 FOR 27c. 100 FOR $2.50. NET EACH **3c**



EYE WALL INSULATOR

Bakelite center mounted in galvanized screw eye.

B3430. 3 INCH. 10 FOR 21c. NET EA... **2½c**

B3431. 7 INCH. 10 FOR 32c. NET EA... **3½c**

ANTENNA EQUIPMENT

AIRPLANE INSULATOR



Streamlined strain insulators, made of low-loss glazed white porcelain. Ideal for breaking up antenna guy wires. Size 1¾x⅞". Weight, 3 oz.

B6217. 10 FOR 25c. YOUR PRICE EACH **3c**

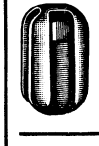
PORCELAIN NAIL KNOBS



Sturdy split knobs of glazed white porcelain for holding lead-in and ground wire away from walls. Have alligator jaws for sure grip of wire. Leather washers prevent splitting. 1¾" high, 1⅛" diam. ½ lb. each.

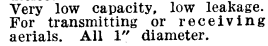
B3418. 10 FOR 21c. 100 FOR $1.75. EACH... **2½c**

STRAIN INSULATOR



Brown porcelain construction. 2¼" long, 1½" dia. Unusually strong.

B6195. 10 LOTS, 54c. EACH..... **6c**



ANTENNA INSULATORS

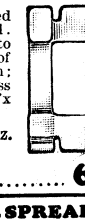
Made of white glazed, wet process porcelain. Have great dielectric and tensile strength. Very low capacity, low leakage. For transmitting or receiving aerials. All 1" diameter.

B3415. 7 in. long. NET EACH **20c**

B3416. 12 in. long. NET EACH **29c**

B3417. 20 in. long. NET EACH **39c**

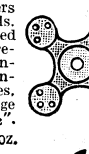
TRANSPOSITION BLOCKS



Made of glazed ceramic material. Correctly designed to prevent twisting of transposed lead-in; reduces electrical loss to minimum. 2½"x 1⅝".

B6215. Wt., 3 oz. 10 FOR 57c. YOUR PRICE EACH BLOCK **6½c**

CAGE AERIAL SPREADER



Porcelain spreaders for Cage aerials. Sturdily constructed of special moisture-proof porcelain. Unglazed. High in insulating properties, with long leakage path. 2¼"x2¼"x½".

B6216. Wt., 3 oz. 10 FOR 90c. NET EACH **10c**

CROSSOVER INSULATOR



Designed for use with double-doublet antenna systems. Made of a low-loss ceramic compound. Glazed. Will not absorb moisture.

B5548. EACH **7c**



FEEDER SPREADER

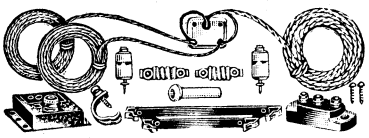
Made of high-grade white glazed porcelain. For correct spacing of parallel antenna feeders. Reduces electrical loss. ½" wide x ¼" thick.

B6218. 3 3/16" long. NET EACH **6c**

B6219. 6⅛" long. NET EACH **14c**

FOR COMPLETE INDEX SEE PAGES 143-144

All-Wave ANTENNA KITS & EQUIPMENT



KNIGHT ANTENNA KITS FOR POPULAR SETS

Now there is available maximum all-wave reception from popular sets. These new Knight Antenna Kits have been scientifically designed to exactly fit the requirements of the particular set for which they are listed. Each component unit is of the highest quality. These kits are noise-reducing and famous for greater signal pickup. A worth while investment for improved set performance.

FOR PHILCO SETS

Fully assembled, ready for immediate erection. Off-center-fed doublet type designed to offer an exact match to the Philco input circuit. Has scientifically correct receiver coupler.

B3381. NET..... **$2.56**

FOR GRUNOW SETS

An All-Wave type antenna. Designed to operate at peak efficiency with Grunow All-Wave sets. Will pep up reception on all bands and reduce extraneous noises. Supplied in kit form.

B3382.
NET **$2.08**

FOR ZENITH SETS

Balanced doublet type with noise rejecting transmission line. Permits greater distance reception on all bands. Designed for maximum performance with Zenith sets.

B3383. NET..... **$2.32**

FOR RCA-VICTOR SETS

A complete efficient double-doublet all-wave antenna. Developed especially for use with RCA-Victor sets. Provides maximum signal pickup on all bands. Eliminates interfering noises.

B3384. NET..... **$2.32**

FOR GENERAL ELECTRIC SETS

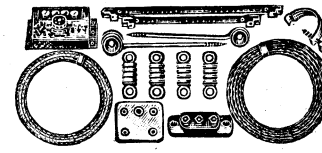
Scientifically designed "V" type doublet antenna. Fully assembled, ready for immediate erection and use with General Electric sets. Develops uniform reception performance on all wave bands.

B3385. NET..... **$2.32**

FOR ALL KNIGHT SETS

A complete high-grade aerial designed for maximum efficiency with all Knight radio sets. Increases signal strength on short waves. Decreases noise. Fully assembled.

B3387. NET..... **$1.81**



KNIGHT LOW-COST UNIVERSAL ANTENNA KIT

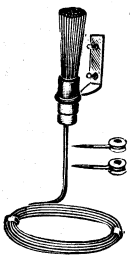
A complete kit of essential parts. Enables you to erect the most efficient type of antenna for your particular set. Includes sufficient material for an antenna of the "Marconi," "Doublet," "Double-Doublet," or "Matched Impedance" type, whichever you prefer. A low-priced efficient universal antenna kit which will improve signal pickup on any type of radio receiver. Particularly recommended for use with Knight receivers.

KIT CONSISTS OF:

100 ft. coil stranded aerial wire; 50 ft. coil rubber-covered twisted transmission line; Porcelain crossover block; 4 glass insulators; 2—6" screw eyes; Doublet type lightning arrester; Doublet window strip; 1 ground clamp; 1 antenna coupler; complete instructions.

B3380.
List, $4.00. NET..... **$1.81**

ALL-DIRECTIONAL AERIAL



Increases the selectivity and sensitivity of any set. An unusually efficient antenna of new design. Permits absolutely All-Directional reception. Will materially improve reception on short wave bands; makes possible improved efficiency on standard broadcast band. May be quickly installed with a screwdriver. Eliminates all masts, poles, long aerials, dangling wires, etc. Requires only a very small space for mounting. Furnished with mounting hardware. Weight, 4 lbs.

B10010. List, $2.75. YOUR PRICE.. **$1.79**



TENSION INSULATOR

A double-purpose insulator which holds antenna tight by means of a heavy spring. May be used with any antenna.

B11297. YOUR PRICE..... **7c**



GUY WIRE

50 foot coil of special galvanized steel wire. Tough and non-stretching. Annealed for easy handling. For use with steel masts.

B11298. NET **15c**

ADJUSTABLE ANCHOR



Specially designed adjustable anchor for keeping guy wires tight. Rustproof steel.

B11299. NET.. **9c**

TUBULAR STEEL MASTS

Sturdy, neat-appearing, weatherproof aerial supports. Made of substantial steel tubing, combining strength with light weight. Finished in baked green enamel. Each section is 3½ feet long. Base fittings are adjustable to fit any roof angle. Additional sections may be added to increase height. Low in price. Essential for neat installations. Change over those unsightly aerial installations with these neat steel masts.

No.	Length Extended	NET
B10001	3½ ft.	$0.59
B10002	7 ft.	1.03
B10003	10 ft.	1.62
B10004	13 ft.	2.20

B10005. 3 ft. sectional extension to increase height of any of above masts. Each..... **59c**



AERIAL ACCESSORIES

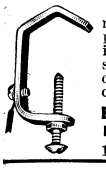
MUELLER CLAMP



Durable and rigid because of channeled construction. Case-hardened screw. Cadmium plated.

B6508. Lots of 10, 46c. 100 Lots, $4.50. EACH..... **6c**

GRIPPER GROUND CLAMP



This heavy-duty clamp may be used on any pipe or rod up to 1½" in diameter. Pointed screw assures positive contact through paint or rust.

B3599.
EACH **3c**
10 lots **25c**

KNOC-OUT GROUND CLAMP



An efficient and easily attached clamp which makes sure contact.

B3429. Per 10, 35c. NET EACH **4c**

AERIAL CONNECTOR



For connecting aerial and lead-in cables in either auto or home aerial systems. Cadmium-plated.

B3421. EA.. **5c**

INSULATED STAPLES



Saddle type insulated staples. Sturdy, durable, and very useful. Packed 100 to the box.

B3975.
Per Box of 100.. **10c**
Per 1000 (10 Boxes).. **95c**



WINDOW LEAD-IN

Fits between sash and sill. Fahenstock connector on each end. Duco insulated braid.

B3428. 16 inch. NET EACH **5c**

B3427. 12 inch. Per 100, $2.85. NET EACH **4c**



DOUBLE-WINDOW LEAD-IN

Designed for use with any two-wire lead-in, or transmission line. Completely insulated; with screw terminals; 12" long.

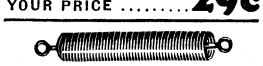
B6198. YOUR PRICE. **9c**



AERIAL SPRING ADJUSTER

Prevents antenna sag. Powerful, compression type rust-proof spring. With porcelain insulator end rings. Especially suited for doublet type antenna to prevent swaying.

B3419.
List, 50c.
YOUR PRICE **29c**

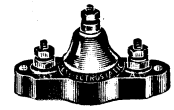


SPRING AERIAL

Especially desirable where space is limited. Easy to erect. Is non-directional. Stretch of 15 to 30 ft. With two fibre end insulators.

B3433.
YOUR PRICE **11c**

LIGHTNING ARRESTERS



ELECTROSTATIC ARRESTER

Combination lightning and static arrester. Incorporates choke coil and condenser acting as noise and static reducer and filter. Affords maximum protection against fire hazard.

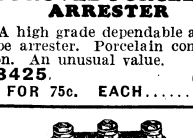
B5533. List $1.00. YOUR PRICE **43c**



APPROVED PORCELAIN ARRESTER

A high grade dependable air gap type arrester. Porcelain construction. An unusual value.

B3425.
12 FOR 75c. EACH..... **7c**



NEW DOUBLET ARRESTER

Two arresters combined in one single unit. May be used indoors or outdoors for any two-wire lead-in or transmission line. Black porcelain case; weather-proof. Weight, 1 lb.

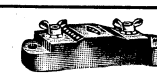
B5549. YOUR PRICE **17c**



BABY BAKELITE ARRESTER

Absolutely dependable, safe, weatherproof type. Bakelite construction. Extremely compact to fit anywhere. Approved by the Underwriters' Laboratories. Gives ample protection.

B6199. 10 FOR 80c 100 FOR $7.25. EACH... **9c**



BUD ARRESTER

Underwriters' approved. Efficiently protects against lightning hazard. Also improves reception by rejecting static charges. Brown porcelain construction.

B3420.
YOUR PRICE EACH..... **25c**



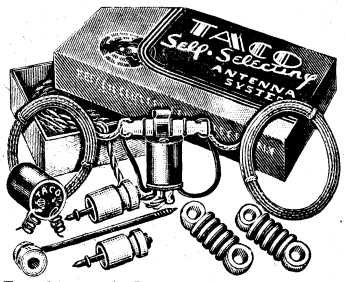
STORM KING ARRESTER

A new improved type lightning arrester that will provide positive protection. Absolutely assures against dangerous static discharges. Duplex type for use with doublet aerials, or any aerial using a two-wire lead-in. Screw type terminals; weatherproof; may be installed indoors or outdoors.

B3432.
NET **53c**

AERIALS • AERIAL ELIMINATORS

TACO ALL-WAVE AERIALS



MODEL 210 DE LUXE SELF-SELECTING

A new self-selecting all-wave aerial, electrically and mechanically designed to render highest possible efficiency. The use of dual precision-built transformers assures perfect matching to any Broadcast, Short-Wave, or All-Wave receiver. Entirely eliminates interference, and provides maximum signal pickup, even in noisy locations. Aerial length is only 60 feet. Consists of: 1—Antenna Transformer; 1—Receiver Transformer; 2—30 foot coils stranded aerial wire; 75 foot weather-proof transmission cable, all factory-assembled and soldered; 1—insulating screw-eye; 2—nail knobs; 2—porcelain insulators, and complete installation instructions. Shpg. wt., 4 lbs.

B7904. List, $6.75.
YOUR PRICE **$3.97**

MODEL 510 STANDARD ALL-WAVE AERIAL

This high quality, factory-assembled antenna is designed to eliminate interference on the broadcast band and all short wave bands. Matches all sets and provides greater signal-to-noise ratio in any location. Consists of: 1—Antenna Transformer; 1—Set Transformer; 2—30 foot coils stranded aerial wire; and 60 foot transmission cable, all completely assembled at factory and ready for installation; 1—screw-eye; 2—nail knobs; 2—glass insulators, and complete instructions.

B7901. List, $4.50.
YOUR PRICE **$2.65**

MODEL 400 JUNIOR ALL-WAVE AERIAL

An inexpensive self-selective all-wave antenna. Easily erected in very limited space. Correctly designed for trouble-free operation. Will improve the operation of any radio set. Consists of: 1—Antenna Transfer Unit; 1—Set Transformer; 2—30 foot coils stranded aerial wire—all factory assembled; 1—screw eye; 2—nail knobs; 2—glass insulators. With complete instructions for easy installation.

B7900. List, $3.75. YOUR PRICE..... **$2.20**

MASTER AERIAL FOR HOTELS, ETC.

A multiple antenna system for Hotels, Apartment Buildings, etc. Scientifically designed to provide noise-free reception to as many as 25 receivers, with efficient signal pickup on all bands. Ideal for dealers' demonstration rooms. Master Foundation Kit contains: 1—80 foot and 1—22 foot coil of 7x20 tinned copper aerial wire; 1—Transfer unit; 1—35 foot coil transmission line; 2—7 inch insulators; 2—strain insulators, and 1—double lightning arrester.

B7905. Master Foundation Kit No. 301.
List, $6.00. NET **$3.53**

B7908. TYPE 302 RECEIVER COUPLER. For exposed wiring. May be conveniently mounted below window ledge or in radio cabinet. One required for each set.
YOUR NET PRICE, EACH..... **$1.47**

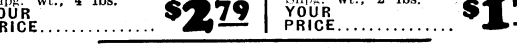


DX LIFETIME AERIALS

Efficient non-directional antennas, fully-assembled. Designed to increase selectivity and reduce interference. Especially suitable for successful short wave reception. Convenient form makes installation easy anywhere. Built of 7/24 stranded enamel copper wire with zinc spacer rings. Assembled with two porcelain insulators and with 25 feet of rubber-covered lead-in wire soldered on.

No. 60
B9135. Length, 50 ft. 6 spacer rings. Contains 250 ft. wire. Shpg. wt., 4 lbs.
YOUR PRICE..... **$2.79**

No. 20
B9137. Length, 20 ft. 5 spacer rings. Contains 100 ft. wire. Shpg. wt., 2 lbs.
YOUR PRICE..... **$1.75**



No. 46 DOUBLET SYSTEM

A new doublet type cage antenna designed for noise-free Short-Wave reception. Ideal for use with any All-Wave or Broadcast set. Consists of: 2—20 ft. cage aerials completely assembled with 25 ft. twisted pair lead-in. Each cage has 3 spacer rings and contains 100 ft. of wire. Should be used with an All-Wave Coupler for maximum efficiency. Weight, 4 lbs.

B9138. YOUR SPECIAL PRICE..... **$3.59**

No. 25 DOUBLET SYSTEM

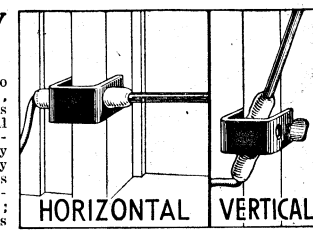
A noise-reducing aerial for use with all-wave receivers where space is at a premium. Only 10 feet long. Each 5 foot cage contains 25 ft. of wire, connected to 25 ft. of twisted pair weather-proof lead-in wire. Includes 4 antenna insulators and instructions.

B9139. YOUR SPECIAL PRICE..... **$1.55**
B9140. NO. 50 DOUBLET SYSTEM. Same as above but with 50 feet of twisted pair lead-in. NET..... **$1.91**

TOBE WINDOW POLE ANTENNA

FITS ANY WINDOW PROVIDES FINE SIGNAL PICKUP

Designed especially for radio set installations in hotels, apartment houses, etc., this new antenna provides signal pickup far superior to the ordinary indoor aerial. Quickly and easily attached to any window sill or frame; extends a full eight feet from the building. Ideal for temporary use; requires no tools to install. Has strap-type lead-in strip.



DUAL POSITION MOUNTING BRACKET

Unique two-way mounting bracket permits either semi-vertical or horizontal installation. Antenna rod is drawn steel in three demountable sections with slip-tite sockets for rapid, easy assembly. Especially suitable for use by tourists, travelers, etc., providing perfect reception from portable radio sets. Has heavy cast end bracket fitted with wing-screw fastener; live gum-rubber insulator. Finished in neat japan black.

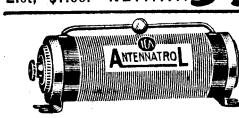
B10482. List, $1.95.
YOUR PRICE **$1.15**

DOUBLE-TUNED AERIAL ELIMINATOR



This carefully designed unit will help to increase the selectivity of any radio. Ideal for AC-DC sets to increase power and distance reception. Compact and efficient; eliminates noises. Easy to install. Has movable arms to match impedance of receiver.

B2750.
List, $1.00. NET..... **59c**



AERIAL ELIMINATOR and ANTENNA TUNER

This new device operates as a noise reducer when used with an outside aerial. May also be used by itself as an indoor aerial. Easily installed; works with any receiver; will improve reception; increases volume on weak stations.

B5554. List, $1.00.
YOUR PRICE..... **59c**

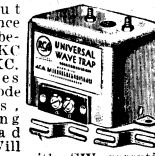
MEISSNER DUAL UNIVERSAL WAVE TRAP



Tunes out unwanted, interfering stations on both BC and IF channels at the same time. Eliminates blanketing by powerful local broadcast stations. Ends interference from code or long wave stations. Ranges are 1720 KC to 700 KC, and 400 KC to 700 KC. Dual control. Extremely sharp tuning; uses iron-core coils. Signals 200 KC off are not noticeably attenuated.

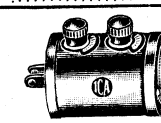
B5679. List, $2.65. **$1.56**
YOUR PRICE .....

RCA UNIVERSAL WAVE TRAP



Traps out interference occurring between 430 KC and 1700 KC. Eliminates annoying code signals, blanketing and broad tuning. Will not interfere with SW reception. Quickly and easily attached to any radio set. Completely shielded. Has universal mounting. Assures interference-free radio reception.

B7599. RCA No. 13467. List, $2.65.
NET **$1.59**

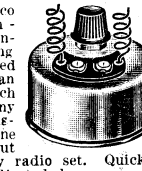


DYNATROL FILTER and INDOOR ANTENNA

Combination indoor aerial and line noise filter. Plugs into light socket. May be used with regular aerial to gain increased pick-up. Reduces noise and improves set sensitivity. Highly efficient.

B5518.
List, $1.50.
YOUR PRICE..... **83c**

NOISE-REJECTING TACO SET COUPLER



A new Taco variable impedance antenna-matching unit. Designed to provide an accurate match between any antenna transmission line and the input circuit of any radio set. Quickly and easily adjusted by means of top knob. With wire leads for set connection; screw terminals for antenna lead-in. Housed in dust-proof aluminum case with mounting ears. Wt., 1 lb.

B7902. List, $2.50.
YOUR PRICE **$1.47**



RECEIVER MATCHING TRANSFORMER

A compact and well-made unit for matching the transmission line of any doublet aerial to any All-Wave or Short Wave receiver. Provides a very efficient match between antenna and receiver. Works with transmission line to eliminate noise and increase signal strength on all bands. Has changeover switch for all-band operation. Will give very effective results in increased sensitivity and greater signal pickup.

B5545. List, $1.50. YOUR PRICE..... **81c**

Belden RADIO PRODUCTS



BELDEN MAGNET WIRE

Highest grade soft-drawn copper wire, uniformly insulated. Each spool is one continuous length, uniformly drawn. Standard B & S gauge. Ideal for winding coils, chokes, etc. On convenient small-sized metal spools. Absolutely the finest quality magnet wire you can buy.

PLAIN ENAMELED

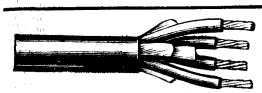
No.	½ LB. SPOOLS Size	Feet	NET
B3900	14	39	$0.34
B3901	16	63	.34
B3902	18	101	.34
B3903	20	160	.34
B3904	22	253	.34
B3905	24	402	.36
B3906	26	640	.41
B3907	28	1013	.44
B3908	30	1610	.49
	¼ LB. SPOOLS		
B3909	32	1275	.34
B3910	34	2030	.41
B3911	36	3220	.49
B3912	38	5120	.65
B3913	40	8140	.90

DOUBLE COTTON

No.	½ LB. SPOOLS Size	Feet	NET
B3950	18	96	$0.41
B3951	20	150	.44
B3952	22	235	.48
B3953	24	362	.56
B3954	26	560	.65
B3955	28	860	.78
B3956	30	1321	.93
B3957	32	1930	1.13
B3958	34	2746	1.41
	¼ LB. SPOOLS		
B3959	28	430	.46
B3960	30	660	.49
B3961	32	965	.63
B3962	34	1373	.77
B3963	36	1675	.98

DOUBLE SILK

No.	½ LB. SPOOLS Size	Feet	NET
B3980	18	100	$0.58
B3981	20	160	.60
B3982	22	252	.67
B3983	24	395	.77
B3984	26	620	.90
B3985	28	980	1.02
B3986	30	1550	1.19
	¼ LB. SPOOLS		
B3987	24	196	$0.41
B3988	26	310	.49
B3989	28	490	.58
B3990	30	775	.65
B3291	32	1207	.83
B3992	34	1785	1.14
B3993	36	2685	1.56



RUBBER-COVERED MULTIPLE CABLE

High grade, rubber-covered multi-conductor cable. Individual conductors rubber covered, cotton wrapped and an overall jacket of heavy, flexible rubber.

B2390. 2 Conductor. 100 Ft. $2.95. PER FOOT..3½c
B2391. 3 Conductor. 100 Ft. $3.52. PER FOOT....4c
B2392. 4 Conductor. 100 Ft. $4.42. PER FOOT....5c
B2393. 5 Conductor. 100 Ft. $5.40. PER FOOT..6½c



SHIELDED CRYSTAL "MIKE" CABLE

Tinned copper (13x36) conductor. Six layers celanese and cotton insulation; tinned copper shielding; rubber-jacket overall.

SINGLE CONDUCTOR
B2470. 26 Mmf. per foot. 100 Feet $4.66.
PER FOOT..... **5½c**

DOUBLE CONDUCTOR
B2471. 36 Mmf. per foot. 100 Feet $7.69.
PER FOOT..... **9c**



SHIELDED RUBBER-COVERED CABLE

Extremely high-grade multiple conductor, shielded, rubber-covered cable. For microphones, speakers, etc. For indoor or outdoor use.

No.	Cond.	Per Ft.	100 Ft.
B2462	2	5½c	$4.74
B2439	3	6½c	5.40
B2464	4	8c	6.62
B2465	5	10c	8.35
B2466	6	11c	9.24
B2467	7	12½c	10.47

CELANESE-WRAPPED PUSH-BACK WIRE

No. 20 Solid



An unusually high grade of hookup wire for radio purposes. Conductor is solid number 20 tinned copper. Push-back insulation is celanese, covered overall with lacquered and colored cotton braid. 25 foot spools.

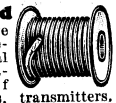
No.	Color	NET EACH
B2450	Red	
B2451	Blue	
B2452	Green	**24c**
B2453	Black	
B2454	Yellow	

No. 20 Stranded

Same high grade insulation as above, but conductor is 10 strands of number 30 tinned copper wire.

No.	Color	NET EACH
B2455	Red	
B2456	Blue	
B2457	Green	**26c**
B2458	Black	
B2459	Yellow	

No. 14 Stranded



Similar to above but extra-heavy design makes it ideal for use in the filament circuits of multi-tube receivers, transmitters, and power amplifiers. Number 14 conductor is made up of 41 strands of number 30 copper wire.

B2460. 25 foot spool, Black. NET **44c**
B2461. 25 foot spool, Red. NET **44c**



All-Rubber Cord Sets

The modern safe cord for replacement on lamps, radios, etc. Small soft rubber plug and brown No-Fray cord. 7½ ft. approved cord.

B2447. EACH..... **23c**
PER 10 .....$2.06
B2448. Same as above but 12 ft. long. NET EACH.....28c

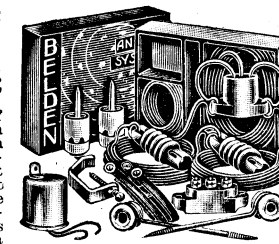
COMMUNICATING SYSTEM CABLES

Twisted pair cables especially designed for inter-communication systems. Conductors are No. 20 stranded; celanese and cotton-wrapped, with overall cotton braid. Color-coded for easy identification.

Cat. No.	No. of Cond.	NET PER FOOT 1-99 Feet	100-500 Feet
B2306	2 (1 pr.)	2c	1½c
B2307	4 (2 pr.)	5c	4 c
B2308	6 (3 pr.)	7c	5½c
B2309	2 (1 plain, 1 shielded)	3c	2½c
B2310	8 (4 pr.)	8½c	7c
B2311	12 (6 pr.)	12 c	10½c
B2312	20 (10 pr.)	19½c	16½c
B2313	over tw. pr. 2 (Shield)	2½c	2c

BELDEN AUTOMATIC FREQUENCY SELECTING ANTENNA SYSTEMS

No. 8907 DOUBLET TYPE



A radically new application of time-proved principles. The Belden International Couplers and 72 ohm Transmission Line have been especially designed for the improvement of reception on both the broadcast and short-wave bands. Tests prove that not only are better results obtained but that noise pick-up is practically eliminated. Antenna and receiver transformers provide different frequency channels for incoming signals, and the system is tuned by the receiver itself. Complete factory-assembled kit includes 2—30½ ft. coils Beldenamel aerial wire; 1—75 foot coil twisted pair lead-in wire; 25 feet of ground wire; 1—each, Automatic Antenna and Receiver Couplers; hardware, etc. Complete with instructions.

B2404. List, $7.70. NET..... **$4.49**

No. 8901 DOUBLE DOUBLET SYSTEM

The Belden No. 8901 Double Doublet Antenna System is similar to but even more efficient than the No. 8907 antenna described above, by reason of the addition of a second doublet. Complete factory-assembled kit consists of: 2—30½ foot and 2—19 foot coils 7x22 stranded aerial wire, 75 foot transmission line, 25 foot ground wire. 1—each, Automatic Antenna and Receiver Couplers; hardware, etc. Complete with instructions.

B2405. List, $8.75. NET..... **$5.14**

No. 8912 STANDARD ALL-WAVE SYSTEM

The Belden Double-Doublet has long been the choice of experts for maximum signal strength and greatest noise reduction. Ideal for broadcast and short-wave reception. Complete factory assembly includes 4 coils 7x24 aerial wire, outside and inside lead-in wire, ground wire, insulators, receiver coupler, junction block - staples, nail knobs, ground clamp, double arrester, lead-in strip, and full instructions.

B2407. List, $7.70. NET..... **$4.49**

LEAD-IN WIRE



ALL RUBBER

Stranded conductor, covered with special rubber insulation to allow easy stripping and soldering.

No.	Size	Length	NET
B2422	14	50 ft.	$0.69
B2423	14	250 ft.	3.18
B2424	16	50 ft.	.42
B2425	16	250 ft.	1.90



SHIELDED

Heavy rubber insulation over stranded conductor. Overall shield of tinned braided copper wire. Ideal for shielded lead-in use. Weatherproof.

No.	Size	Length	NET
B2427	14	50 ft.	$1.51
B2428	14	250 ft.	6.71
B2429	16	50 ft.	.93
B2430	16	250 ft.	4.09

MATCHED IMPEDANCE TWISTED PAIR LEAD-IN



72 ohm twisted pair transmission line. Two No. 19 conductors covered with color-coded rubber and weatherproof outer braid. Designed to match most all-wave antennas and receivers.

B2324. 75 Foot Coil... **95c**
B2325. 500 Foot Coil..$5.97

COMMERCIAL TYPE TWISTED PAIR

93 ohm surge impedance. Two No. 22 (7x30) tinned conductors with overall weatherproof braid covering; color-coded rubber and paper insulation.

B2326. 75 Foot Coil.. **87c**
B2327. 500 Foot Coil..$5.69

TRANSMITTING TYPE TWISTED PAIR

72 ohm line designed for transmitting use. Two No. 12 conductors have ample capacity for 2000 watts output. Weatherproof insulation overall.

B2328. 100 Ft. Coil. **$3.78**
B2329. 500 Ft. Coil. $18.74

AERIAL WIRE

BELDENAMEL



High conductivity aerial wire. Ideal for all types of Broadcast, All-Wave, and Short - Wave aerials. Beldenamel insulation protects the wire from corrosion and atmospheric conditions indefinitely.

7x22 ENAMELED
B2410. 75 ft. List, 79c. NET..... **46c**
B2411. 100 ft. List, $1.04. NET..... **61c**
B2412. 150 ft. List, $1.55. NET..... **91c**
B2413. 1000 ft. List, $10.25. NET.... **$6.03**

7x20 ENAMELED
B2415. 100 ft. List, $2.00. NET... **$1.18**
B2416. 1000 ft. List, $20.00. NET. **$11.76**

SOLID ENAMELED
B2418. No. 10. 100 ft. NET..... **$1.05**
B2419. No. 12. 100 ft. NET..... **75c**
B2420. No. 14. 100 ft. NET..... **48c**



BAKELITE ARRESTER

Underwriters approved. Provides positive protection. Sturdy and compact. Bakelite body suitable for inside or outside use.

B2403. 10 for $1.40. EACH **15c**



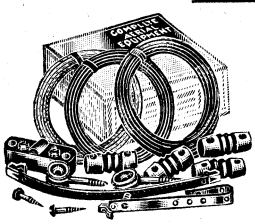
DOUBLET ARRESTER

For complete protection with any doublet antenna system. Sturdy brown porcelain case is easy to mount anywhere.

B2409. NET **21c**

AERIAL WIRE AND EQUIPMENT

SPECIAL VALUE AERIAL KITS



DE LUXE AERIAL KIT

An exceptionally fine kit. Will improve reception of any radio set. Contains 100 feet of 7 strand copper aerial wire; 40 feet of rubber-covered lead-in wire; 25 feet of ground wire; 4—porcelain insulators; 2—screw-eye insulators; 1—lightning arrester; 1—window lead-in strip; 1—adjustable ground clamp. Easily installed in any location by following the complete, easy instructions packed with each kit. Shpg. wt., 6 lbs.

B3486. NET **63c**

STANDARD AERIAL KIT

A real value in a complete aerial kit. Includes all materials for a "Marconi type" antenna for use with any receiver. Consists of: 90 feet of 7x26 stranded copper aerial wire; 25 feet of rubber covered lead-in wire; window lead-in strip; two porcelain insulaters; two nail knobs; and an adjustable strap-type ground clamp. Conveniently boxed. Complete instructions are included. Shipping wt., 4 lbs.

B3485. YOUR SPECIAL PRICE..... **37c**

ALL-PURPOSE LEAD-IN WIRE

RUBBER COVERED LEAD-IN WIRE



Stranded Wire

Stranded No. 18 rubber-covered lead-in wire. Flexible and easy to work.

No.	Ft.	10 for	EACH
B3479	25	$1.05	$0.11
B3480	50	2.02	.21
B3481	100	4.00	.41
B3497	250	9.95	1.01
B3482	1000	.....	3.96



Solid Wire

High quality No. 16 rubber covered lead-in wire. Weatherproof.

No.	Ft.	10 for	EACH
B3475	25	$1.14	$0.12
B3476	50	2.18	.23
B3477	100	4.27	.45
B3467	250	10.65	1.11
B3478	1000	.....	4.34



SHIELDED LEAD-IN

For broadcast use. No. 18 stranded tinned wire, with tough, live rubber covering; tinned woven flexible copper braid over all.

B3492. 50 ft. YOUR PRICE **49c**

B3494. 100 ft. YOUR PRICE **96c**

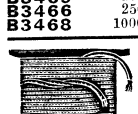
B3499. 250 ft. YOUR PRICE **$2.38**



COMBINATION LEAD-IN AND AERIAL WIRE

10 strands of No. 30 copper wire, insulated with Gutta Percha. Free-stripping. Non-corrosive. An all-purpose wire for aerial, lead-in and set hookup.

No.	Length	NET
B3471	25 ft.	$0.13
B3470	50 ft.	.25
B3469	100 ft.	.48
B3466	250 ft.	1.18
B3468	1000 ft.	4.65



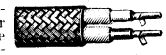
FLEXIBLE INDOOR ANTENNA WIRE

For A.C.-D.C. and midget sets. Moisture-proof brown cotton covering. May be inconspicuously installed under rugs or around moldings.

B3483. 100 Feet..... **45c**

B3484. 25 Feet **15c**

TWISTED PAIR SHIELDED LEAD-IN

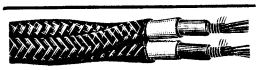


For all-wave or short-wave aerials. Solid copper conductors; weather-proof insulation with closely woven copper shielding overall.

B2487. 50 Ft. YOUR PRICE **90c**

B2488. 100 Ft. YOUR PRICE **$1.71**

B2489. 250 Ft. YOUR PRICE **$4.20**



WEATHERPROOF TWISTED PAIR LEAD-IN

For use as low-impedance transmission line with noise-reducing aerials. Two stranded copper conductors, rubber covered. Paraffined braid over all.

B2434. 50 ft. coils. NET EACH **50c**

B2432. 100 ft. coils. NET EACH **95c**

B2437. 250 ft. coils. NET EACH.. **$2.35**

B2433. 500 ft. coils. NET EACH.. **$4.45**



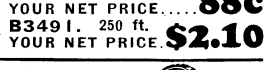
RUBBER TWISTED PAIR LEAD-IN

For all noise-reducing aerial systems employing doublet or double-doublet antennae. Low impedance No. 20 twisted black rubber covered multi-stranded conductors.

B3488. 50 ft. NET.. **45c**

B3489. 100 ft. YOUR NET PRICE..... **88c**

B3491. 250 ft. YOUR NET PRICE. **$2.10**



FLEXIBLE SPAGHETTI

For insulating bus bar wire, and condenser and resistor pigtail leads. Fine cambric tubing impregnated with varnish.

B2895. Black. **B2896.** Yellow. **B2897.** Red. **B2898.** Green. Per 30" Lgth. **6c**

10 LENGTHS **55c**

AERIAL WIRE VALUES



Exceptionally high-quality hard-drawn copper wire. Has high conductivity and very little "stretch." Enameled wire will not corrode. Ideal for all types of aerials: single wire, doublet, or cage-type, for All-Wave, Short-Wave, or Broadcast sets. Servicemen: take advantage of these low prices to increase your aerial wire profit.

STRANDED ENAMELED

7 STRANDS No. 22

Excellent for All-Wave aerials.

B3444. 50 ft. 10 for $2.38. EACH.. **25c**

B3445. 100 ft. 10 for $4.60. EACH... **49c**

B3446. 200 ft. 10 for $9.20. EACH... **95c**

7 STRANDS No. 26

A fine value in a light wire.

B3447. 50 ft. 10 for $1.25. EACH... **14c**

B3448. 100 ft. 10 for $2.40. EACH.... **26c**

B3449. 200 ft. 10 for $4.75. EACH... **51c**

7 STRANDS No. 20

Heavy-duty wire for long life.

B3434. 50 ft. YOUR PRICE **47c**

B3441. 100 ft. YOUR PRICE **92c**

B3442. 200 ft. YOUR PRICE **$1.80**

STRANDED BARE

7 STRANDS No. 22

Standard size for all aerials.

B3435. 50 ft. 10 for $1.90. EACH.. **20c**

B3436. 100 ft. 10 for $3.65. EACH. **39c**

B3437. 200 ft. 10 for $7.25. EACH.. **75c**

7 STRANDS No. 26

An excellent buy in thin wire.

B3438. 50 ft. 10 for $1.14. EACH.. **12c**

B3439. 100 ft. 10 for $2.09. EACH.. **22c**

B3440. 200 ft. 10 for $3.80. EACH.. **40c**

7 STRANDS No. 20

Heavy wire for added strength.

B3472. 50 ft. 10 for $3.40. EACH.. **35c**

B3473. 100 ft. 10 for $6.65. EACH.. **68c**

B3474. 200 ft. 10 for $13.10. EACH. **$1.32**

SOLID ENAMELED

Hard-drawn solid enameled copper wire for x-mitting and receiving.

No.	Gauge	Feet	Ea.
B3450	10	100'	$0.93
B3451	10	200'	1.76
B3452	10	500'	4.20
B3453	12	100'	.60
B3454	12	200'	1.10
B3455	14	100'	.41
B3456	14	200'	.75

PHOSPHOR BRONZE

Strongest aerial wire. Has high conductivity; non-stretching. Used commercially on ships.

No.	Size	Ft.	NET EA.
B3460	7x22	100	$1.10
B3461	7x22	200	2.15
B3462	7x24	100	.75
B3463	7x24	200	1.45
B3464	7x26	100	.60
B3465	7x26	200	1.15



WIRE FOR FARM POWER PLANTS

Weatherproof single conductor wire for use with Windcharger or Farm Power plants. Solid copper conductor; triple cotton-covered and impregnated. For battery charging, use wire as follows: **At a distance of 75 feet from charger to battery, use No. 6; at 50 feet, use No. 8; at 25 feet, use No. 10; at 15 feet, use No. 12. For a single 6 volt 25 watt lamp: 150 feet from battery, use No. 8; 75 feet, use No. 10; 50 feet, use No. 12; 30 feet or less, use No. 14.**

No.	Size	100 Ft.	Per Ft.
B2490	6	$5.25	5½c
B2491	8	4.50	5c
B2492	10	3.10	3½c
B2493	12	2.65	3c
B2496	14	1.25	1½c



TWISTED LAMP CORD

Approved by the underwriters. No. 18—1/32 rubber insulation with black cotton braid. For extension or A.C. line cords.

B3592. Per foot. NET **2c**

B3593. Per 100 Ft. NET **$1.45**



CORD SET

A high grade line cord for use on radios, lamps, fans, amplifiers, etc. 6 foot cord with rubber plug.

B3498. YOUR PRICE. **16c**



HANDYCORD LAMP CORD

Rubber-jacketed flexible cord; each conductor is No. 18 stranded copper wire, separately insulated in tough rubber sheath that splits down center when pulled apart. Fine for lamps, radios, etc.

B3410. Brown. **B3412.** Black. **B3413.** White. **B3411.** Ivory. **B3414.** Green. PER 100 FEET..... PER FOOT **1½c** **$1.24**



RUBBER SERVICE CORD

Round flexible weather-proof cable. No. 18 (16/30) stranded wire conductors, each rubber covered and coded, with cotton wrapping and outer live rubber sheath.

B2435. 2 COND. 100 FT. $2.95. PER FT.. **3½c**

B2436. 3 COND. 100 FT. $3.75. PER FT... **4c**

TEST-LEAD WIRE

Extra-flexible No. 18 test lead wire. Ideal for replacing worn-out test-prod leads or for making new test equipment. Made of 41 strands of No. 34 tinned copper wire, with waxed cotton wrapping, covered by 1/32" wall of rubber.

B2385. RED.

B2386. BLACK. 5 FOOT COILS, EACH.... **6c**

B2387. RED.

B2388. BLACK. PER FOOT **1½c**

HOOKUP & MAGNET WIRE—CABLES



SINGLE COTTON ENAMELED MAGNET WIRE

An exceptionally high-grade magnet wire. Properly annealed for easy handling. Cotton wrap over enamel gives adequate insulation. Each spool holds one continuous, uniformly drawn and insulated length. B & S gauge.

½ LB. SPOOLS				1 LB. SPOOLS		
No.	Ft.	NET	Size	No.	Ft.	NET
B3354	39	$0.23	14	B3367	78	$0.41
B3355	49	.24	15	B3368	98	.42
B3356	62	.25	16	B3369	124	.43
B3357	78	.26	17	B3370	156	.44
B3358	98	.27	18	B3371	198	.45
B3359	124	.28	19	B3372	248	.49
B3360	156	.29	20	B3373	312	.52
B3361	196	.30	21	B3374	392	.55
B3362	245	.31	22	B3375	490	.58
B3363	386	.35	24	B3376	772	.67
B3364	468	.38	25	B3377	936	.70
B3365	605	.41	26	B3378	1209	.73
B3366	938	.46	28	B3379	1876	.89

HIGH GRADE MAGNET WIRE ON SPOOLS



Insulated copper wire of highest quality for all radio and electrical purposes. Wound on spools in continuous lengths. Excellent for winding armatures and field coils, receiver and transmitter coils, rewinding power transformers and chokes. For shops, schools, laboratories, etc. Standard B. & S. Gauge. We can supply magnet wire in all sizes and types of insulation in larger quantities than listed below. Write for attractive prices which will save you money on quantity purchases of magnet wire.

PLAIN ENAMELED
½ LB. SPOOLS

No.	Size	Ft.	NET
B3520	14	38	$0.20
B3521	16	63	.23
B3522	18	101	.26
B3523	20	159	.28
B3524	22	253	.29
B3525	24	402	.30
B3526	26	640	.32
B3527	28	1013	.35
B3528	30	1602	.38
B3529	32	2543	.41
B3530	34	4042	.45
B3531	36	6410	.56

DOUBLE COTTON
½ LB. SPOOLS

No.	Size	Ft.	NET
B3533	14	36	$0.25
B3534	16	61	.27
B3535	18	96	.30
B3536	20	150	.33
B3537	22	234	.36
B3538	24	362	.43
B3539	26	558	.52
B3540	28	842	.61
B3541	30	1321	.79
B3542	32	1889	.90
B3543	34	2746	1.14
B3544	36	3801	1.40

DOUBLE SILK
¼ LB. SPOOLS

No.	Size	Ft.	NET
B3546	18	49	$0.26
B3547	20	78	.29
B3548	22	126	.31
B3549	24	196	.34
B3550	26	310	.39
B3551	28	486	.48
B3552	30	775	.55
B3553	32	1207	.72
B3554	34	1828	1.17
B3555	36	2668	1.41
B3556	38	3875	1.68
B3557	40	5325	2.25

CABLES FOR EVERY PURPOSE



CRYSTAL MICROPHONE CABLE

Shielded, rubber-jacketed cable. Conductor is of fine stranded copper; extremely flexible. Available in two types, single or double conductor. Low-loss.

Single Conductor
B2499. 100 Ft. $3.70
PER FOOT 4c

Double Conductor
B2498. 100 Ft. $6.40
PER FOOT 7c



TELEPHONE WIRE

For telephone and multiple speaker installations. High-grade No. 19 solid tinned copper. Has 1/32" rubber insulation with glazed cotton braid overall.

B2494. 2 Conductor.
100 Ft. 500 Ft. 1000 Ft.
$1.70 $8.10 $15.40

B2495. 3 Conductor.
100 Ft. 500 Ft. 1000 Ft.
$2.15 $10.15 $19.40

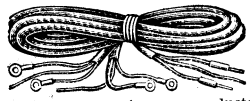
BATTERY CABLES

Well-made. For battery, speaker, and analyzer connections. Cotton braid overall.

4½ Foot Cables

No.	Conductors	NET
B2901	5	24c
B2902	6	28c
B2903	7	38c
B2904	9	49c

HEADPHONE AND SPEAKER CORDS



Copper tinsel inner conductor covered with closely-woven cotton braid. Tips are firmly anchored. Flexible and long-wearing.

SINGLE CORDS

B2932. 4 foot cord. Tips on one end; spades on other. For speakers.
B2933. 4 foot cord. Tips on both ends.
NET EACH 8c
10 for 75c. 100 for $7.15.

DOUBLE CORDS

B2934. Spades on one end. Tips on other. 5 foot cord.
B2935. Tips on both ends. 5 foot cord.
NET EACH 19c
10 for $1.75. 100 for $16.95.

MULTI-CONDUCTOR CABLES

High quality cable for almost every indoor or outdoor requirement. Each conductor is No. 18. Color-coded; flexible.



COTTON BRAID OVERALL

No. 18 stranded conductors, each covered with rubber jacket with brown cotton braid over all. Any length.

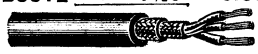
No.	Cond.	Per 10 Feet	NET 100 Ft.
B3500	2	18c	$1.45
B3501	3	25c	2.25
B3502	4	32c	3.00
B3503	5	41c	3.65
B3504	6	46c	4.25
B3505	7	52c	4.50



WOVEN SHIELDING OVERALL

Tightly woven overall shielding of fine tinned copper wire. Each is No. 18 conductor, insulated with rubber jacket. Any length.

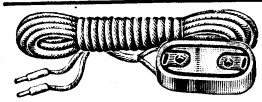
No.	Cond.	Per Ft.	NET 100 Ft.
B3507	2	3½c	$2.75
B3508	3	4c	3.55
B3509	4	4½c	4.20
B3510	5	5½c	4.95
B3511	6	6½c	6.15
B3512	7	7½c	6.60



SHIELD and RUBBER JACKET OVERALL

Heavy rubber jacket over tinned copper shielding. Ideal for outdoor and heavy duty service.

No.	Cond.	Per Ft.	100 Ft.
B3514	2	3½c	$2.70
B3515	3	4c	3.75
B3516	4	5½c	4.90
B3517	5	6½c	5.70
B3518	6	7½c	6.85
B3519	7	8½c	7.95



EXTENSION CORDS

Flexible braid-covered cords for use with extension speakers, etc. Have phone tips and connector.

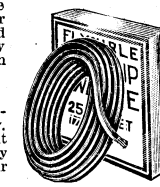
B5555. 20 Ft. Cord.
YOUR PRICE 32c
B5556. 30 Ft. Cord.
YOUR PRICE 45c
B5557. 50 Ft. Cord.
YOUR PRICE 63c
B5558. Extra Connector.... 8c

PUSH-BACK HOOK-UP WIRE

This tinned push-back hook-up wire is of the highest quality. Only evenly-drawn pure copper wire is used. Available in both solid and stranded wire. The stranded wire is made up of carefully twisted individual strands with a tensile strength that gives them unusual flexibility.

FIVE DIFFERENT COLORS

This wire is double-cotton covered with paraffin-treated damp-proof braid which pushes back easily. Available in five distinctive colors. Use a different color for each circuit for ready identification. Buy this high quality hook-up wire in quantities at our attractive low prices.



No. 20 SOLID
25 FOOT ROLLS

B3560. Black.
B3561. Yellow.
B3562. Red.
B3563. Green.
B3564. Blue.
PER ROLL 11c
10 FOR 99c.

100 FOOT ROLLS

B3565. Black.
B3566. Yellow.
B3567. Red.
B3568. Green.
B3569. Blue.
PER ROLL 36c
10 FOR $3.55.

1000 FOOT SPOOLS

Solid push-back wire as described above in 1000 ft. continuous rolls in any color listed. Specify color when ordering.
B3570. 1000 FT. NET..... $3.35

No. 20 STRANDED
25 FOOT ROLLS

B3580. Black.
B3581. Yellow.
B3582. Red.
B3583. Green.
B3584. Blue.
PER ROLL 12c
10 FOR $1.15.

100 FOOT ROLLS

B3585. Black.
B3586. Yellow.
B3587. Red.
B3588. Green.
B3589. Blue.
PER ROLL 44c
10 FOR $4.25.

1000 FOOT ROLLS

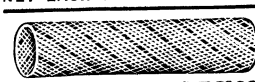
Stranded push-back hook-up wire in 1000 ft. lengths. Available in colors listed. Specify color when ordering.
B3590. 1000 FT. NET..... $3.60

No. 14 SOLID
25 FOOT ROLLS

High-voltage insulation. Ideal for transmitters, power packs, etc.
B2870. Black.
B2871. Red.
B2872. Green.
B2873. Blue.
B2874. Yellow.
PER ROLL 29c
B2875. 100 FT. ROLLS. SPECIFY COLOR.
NET EACH $1.07

No. 18 SOLID
25 FOOT ROLLS

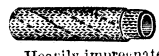
Heavier wire especially suited for use in filament circuits, etc.
B3394. Black.
B3395. Red.
B3396. Green.
B3397. Blue.
B3398. Yellow.
PER ROLL 15c
B3399. 100 FT. ROLLS. SPECIFY COLOR.
NET EACH 52c



COPPER SHIELDING

Tinned shielding. Very flexible. For use on amplifiers, speakers, auto radios, etc. Easily soldered.

No.	Diam. Open	Per 50 Ft.	Per Ft.
B3595	¼ in.	$0.95	2½c
B3596	⅜ in.	1.10	3c
B3597	½ in.	1.65	4c
B3598	¾ in.	2.35	6c



SHIELDED LOOM

Heavily impregnated and weather-proofed. For shielding auto antenna lead-ins, cables, and grouped leads.

No.	Inside Dia.	Per 50 ft.	Per Ft.
B3423	3/16"	$2.05	5c
B3424	5/16"	3.10	7c

COLORED RUBBER HOOK-UP WIRE



Stranded tinned No. 20 copper wire with flexible color-coded rubber insulation. Easy to skin. Will not dry out or crack. Available in 5 different and distinctive colors. Use a different color to identify each circuit.

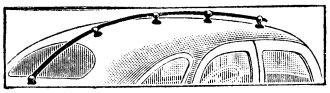
25 FOOT COILS

B3572. Red.
B3573. Green.
B3574. Blue.
B3575. Black.
B3576. White.
NET EACH 13c
10 FOR $1.15.

B3577. 1000 FT. ROLLS. Specify color.
NET 1000 FT. $4.20

AUTO RADIO ACCESSORIES

LATEST AUTO RADIO AERIALS



CARFLO AUTO AERIAL "FITS ANY CAR TOP"

A new development in auto antennas. Absolutely non-directional design gives increased signal pickup and clarity, greater efficiency, and less noise. Constructed of one piece of seamless drawn copper tubing. Furnished in two types: highly polished chromium finish, or polished copper finish which can be duco'd to match car color. Receiving area of antenna is equivalent to 50 feet of No. 16 aerial wire.

EASY TO INSTALL

Quickly and easily installed on any car top. Rubber vacuum cups attach aerial securely, although it may be readily removed if desired. Streamline shape offers minimum of wind resistance. May be used with any car radio for more power with less noise.

B10470. Polished Chromium Finish. NET **$3.53**

B10471. Polished Copper Finish. May be duco'd. NET..... **2.94**



"REDHEAD" SENIOR AUTO ANTENNA

A scientifically designed, welded, vibration-proof running-board antenna of remarkable efficiency. Strong signal pickup with minimum of ignition interference. All-metal construction; completely insulated with an overall rubber cover, waterproof and rust-resisting. Easy to install. No springs, wire, etc., to rattle or loosen. Has set screw connection for antenna lead-in. Length 46"; width 9".

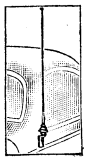
EASILY ADJUSTABLE

The "Redhead" Auto Antenna has mounting brackets of malleable iron which are easily bent to conform to any particular type of installation; quickly adjustable over entire length of antenna assembly. No drilling is required as the bolts already in the running-board are used. Distance of antenna below running-board is adjustable from 2" to 4½". Once installed, requires no further attention.

Shpg. wt., 7 lbs.

B10473. NET..... **$1.47**

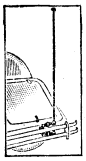
WARD AUTO AERIALS



FLEXROD AERIAL

Highly efficient. Fits door-hinge of any car. Drawn from vanadium steel with polished chromium finish. Flexible—will not break. Easy to install; will increase the signal pickup and improve reception. Complete with 37" lead-in and mounting bracket. Wt., 2 lbs.

B10383. NET **$2.06**



"FISHPOLE" AERIAL

Consists of flexible, telescoping 8 foot steel rod with insulating bracket and lead-in wire. Easily attached to any rear bumper. Complete isolation from motor noise permits better signal pickup with less possibility of interference from ignition system. With 12 foot lead-in. Wt., 2 lbs.

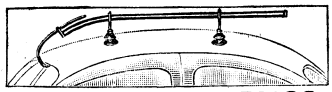
B10382. NET.... **$2.06**



LONG-RANGE TWINS

A new dual-section undercar antenna with signal pickup equalling that of roof type aerials. Sealed in rubber; absolutely weather-proof. Works efficiently even in rain or snow. Has molded rubber bracket supports. Movable brackets permit mounting under any running board without drilling holes. With 66" shielded lead-in cable. Shpg. wt., 7 lbs.

B10381. YOUR PRICE..... **$2.35**

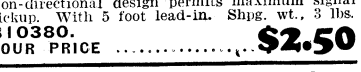


"TUR-RETTE" AERIALS

An "Over-the-Top" auto antenna designed for installation on turret top cars having windshields that can be opened. Quickly and easily installed without drilling; special mounting cement supplied with aerial insures rigid installation. Antenna is polished chromium-plated steel, mounted on molded standoff insulators. Non-directional design permits maximum signal pickup. With 5 foot lead-in. Shpg. wt., 3 lbs.

B10380. YOUR PRICE **$2.50**

AXLE TO AXLE AERIAL

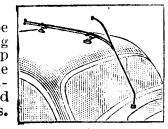


High pick-up auto aerial for installation underneath car from front to rear axles. Fitted with straps for quick installation. Gives fine selectivity and adds plenty of volume to your auto set. Wt., 2 lbs.

B9143. List, $1.50. NET..... **48c**

I.C.A. AUTO AERIALS

EAGLET TWIN



A modern doublet type auto antenna pickup with less noise. Full triple chromium-plated for lasting beauty. Easily installed with vacuum cup mountings. Fits all metal top cars.

B10475. Open Windshield Cars. NET.... **$2.50**

B10476. For Cars with Permanently Closed Windshields. NET **$2.65**

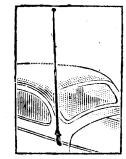
MOTO-WHIP



A new adjustable auto antenna for all cars. Easily installed without drilling car top. Maximum length, 62". Increases signal pickup. Has snap-type adjustment; full chrome-plated. With lead-in.

B10477. NET **$1.32**

HINGE-WHIP

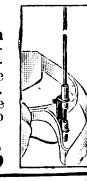


An efficient telescopic antenna that is easily attached to the hinge pin of any car door without drilling. Provides increased full-frequency, non-directional pickup. Extends from 27" to 50". Triple chrome-plated throughout. Lead-in enters through car door opening. With lead-in wire and bracket.

B10478. NET **$1.47**

B10479. Auto-Whip Antenna. Similar to "Hinge-Whip," but non-telescopic. 40" high. With lead-in wire. NET.. **$1.15**

TOBE AUTO-POLE



Consists of a telescoping rod with insulated mounting bracket. Completely assembled and can be attached easily and instantly to the rear bumper bracket of any car. Isolated from motor noises; has more effective signal pickup. Extends 3 to 8 feet. Less lead-in wire.

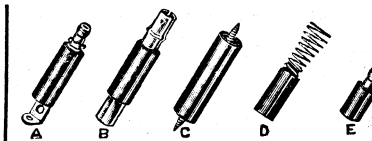
B10481. NET **$1.73**

R.C.A. AUTO ANTENNA



Based on a fundamental principle which assures maximum results with any auto radio. Noise from nearby sources is eliminated by cancellation effect caused by shape of antenna. A necessity on new all-steel and turret-top cars. Universal mounting brackets. Shpg. wt., 4 lbs.

B10483. RCA No. 9605. List, $2.60. NET..... **$1.55**



KNIGHT AUTO RADIO SUPPRESSORS

Sturdy, efficient carbon type suppressors for use on any automobile engine. Heat- and moisture-proof. Well-built to withstand constant vibration. Resistance element enclosed in polished bakelite case except Fig. "D" which is new type for Ford V8. This unit replaces original distributor brush and acts as distributor suppressor.

B6990. A. Spark Plug Type.
B6991. B. Distributor Type.
B6992. C. Cable Type.
B6994. E. Short Buick Type.

SET OF 5..... 55c
SET OF 7..... 75c
SET OF 9..... 94c
YOUR PRICE, EACH..... **12c**

B6995. D. Special 50,000 ohm. Ford V8 Brush Type. For 1933-1935 models.

B6999. D. Special small type, 50,000 ohm. For 1936 and 1937 Fords.
YOUR PRICE, EACH..... **12c**



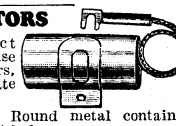
LOW RESISTANCE WIRE-WOUND SUPPRESSORS

Extremely effective in eliminating motor noises. Positively will not affect operation of motor because of low resistance—30 ohms. Molded bakelite heat-resisting cases contain RF choke coils wound with enameled wire.

B5560. Plug type.
B5561. Distributor type.
10 FOR $2.55. EACH..... **27c**

AUTO RADIO FILTERS

SINGLE CAPACITORS



Metal-cased compact by-pass condensers for use on generators, ammeters, horns, etc., to eliminate noise.

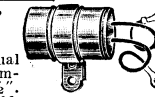
B2942. ¼ MFD. Round metal container ¾"x2". Single lead with lug.
For horn. EACH..... **15c**

B2943. ½ MFD. Round metal container ¾"x2". Single lead with lug.
For coil. EACH..... **19c**

B2944. 1 MFD. Round metal container 1"x2½". Single lead with lug.
For generator. EACH..... **24c**

B2945. 1 MFD. 1¼"x2½". Heavy duty for use near motor.
For generator. EACH..... **32c**

CONDENSER & CHOKE UNIT



A 2 ampere choke and dual ½ mfd. condenser in a compact metal case, 2x2x1½". Ideal for filtering light cables.

B2940. EACH **43c**

B2939. A 2 amp. choke and ½ mfd. condenser in a metal case. For horns, fans, etc. NET..... **47c**

DOME LIGHT FILTER



A ½ mfd. condenser and 2 amp. choke in a round insulated container, 3x⅞". With 3 flexible leads.

B2941. EACH **31c**

B2938. Ammeter & Gas Gauge Filter. A .5 mfd. condenser in insulated case with two flexible insulated leads. NET..... **29c**

FORD V-8 CONDENSER



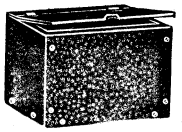
Especially designed to fit the Ford V8 distributor-head. Special bracket assembly matches distributor head bolts. Required in all Ford V8 cars with Radios.

B5921. For 1934-35 V8 Fords. EACH..... **26c**

B5922. For 1936-37 V8 Fords. NET EACH **29c**

RADIO-BUILDERS' SUPPLIES

CRYSTAL-FINISHED CABINETS



WITH HINGED LIDS

Sturdy steel cabinets finished in black crystallized lacquer. Front and back panels, or bottom, easily removed. Front panels may be replaced with bakelite or other material. Ideal for receivers, transceivers, monitors, frequency meters, etc. Supplied knocked-down for easy shipping. Can be easily assembled in a few minutes with only a screwdriver.

NO.	LENGTH	WIDTH	HEIGHT	NET
B9700	9"	5"	6"	$1.45
B9701	10"	8"	7"	1.85
B9702	10"	8"	10"	2.00
B9703	12"	8"	7"	2.13
B9704	12"	11"	8"	2.43
B9705	14"	8"	7"	2.53
B9706	18"	12"	9"	3.42

TUBE SHIELDS AT LOW PRICES

CLOSE-FITTING TUBE SHIELDS



For ST12 Bulbs

Space-savers. Replace old shields; also for spray-shield type tubes. Body consists of two snug fitting identical half shields with cap and base assuring perfect fit. For large and small dome-sized tubes such as 1A6, 2A7, 38, 75, 89, 12A5, 57, 58, etc.

B5255. For short tubes with grid caps, as 1A6, 2A7, 38, 75, 89, etc.

B5256. For short tubes without grid caps, as 6Y5, 12A5, 27, 30, 31, etc.

B5257. For long tubes with grid caps, as 6C6, 6D6, 57, 58, etc.

B5258. For long tubes without grid caps. •

NET EACH **6c**

LOTS OF 10 ..... 50c

For S14 and ST14 Bulbs

B5253. For S14 straight side tubes such as 24A, 27, 32, 35, etc.

B5254. For ST14 dome-shaped tubes such as 24A, 32, 35, 2A5, 01A, 26, 45, 71A, etc.

NET EACH **6c**

LOTS OF 10 ..... 50c

VENTILATED 3 PIECE SHIELD



For ST12 bulbs, such as 55, 57, 2A7, etc. Made of aluminum; well-ventilated, with curled-in neck to hold tube. Shell measures 1⅝" dia., 3½" high, 4½" high overall with cap which is slotted for grid lead. With base and cap.

No.	Mtg. Centers	EACH
B5260.	1 27/32"	10c
B5261.	1½"	
B5262.	1 11/16"	

Lots of 10, 80c. 100 lots,, $6.50.

COIL SHIELD CANS



Heavy-gauge non-magnetic metal shield cans, with beautiful baked black crackle finish. These fine shields are available in two shapes and a variety of sizes. All are furnished with spade bolts for mounting. Ideal for repair jobs or original construction.

SQUARE CANS

NO.	SIZE	NET
B5283	1⅜x1⅜x2⅝"	16c
B5284	1⅜x1⅜x3½"	19c
B5285	1¾x1¾x3"	22c
B5286	2x2x4¾"	31c

ROUND CANS

B5287	1½" dia. x 1¾"	11c
B5288	1⅞" dia. x 2¼"	16c

METAL TUBE GRID CAP SHIELD



A necessity where metal tubes are used in high-gain circuits. The shield fits firmly over the grid cap, completely shielding the tube; slot is provided to pass grid lead.

B5290. NET **5c**



UNIVERSAL METAL CHASSIS

An ideal chassis base for experimenters. Has speaker cutout, mounting slots and holes for various parts, and 5 socket holes. Measures 9½"x5" with 1½" sides. May be used for 4 or 5 tube set and many other applications. Parts may be mounted to fit in any position. Stamped from heavy-gauge steel.

B9718. YOUR PRICE ONLY..... **19c**

B9719. Bracket for Volume Control **3c**

B9720. Mounting bracket. Suitable for coil shield..... **5c**



REPAIR CEMENT

For repairing coils and speaker cones. Kit consists of one can of cement, one can of thinner and a handy brush.

B2930. NET..... **34c**

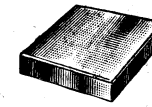
BAKELITE TUBING



High grade smooth polished bakelite tubing. Natural finish. Excellent insulating properties and high dielectric strength. Has 1/16 inch wall. Listing below gives inside diameter.

Dia.	1 Ft. Lengths No.	NET	3 In. Lengths No.	NET	Per Inch No.	NET
1 in.	B6471	34c	B6465	9c	B6165	3c
1½ in.	B6472	45c	B6466	12c	B6166	4c
2 in.	B6473	55c	B6467	14c	B6167	5c
2½ in.	B6474	63c	B6468	16c	B6168	6c
3 in.	B6475	74c	B6469	19c	B6169	7c
3½ in.	B6476	80c	B6470	22c	B6170	8c

RADIO METAL CHASSIS BASES



For use in constructing radio sets and amplifiers. Two types listed. Ternplate is heavy lead-coated steel. Solders easily. Electralloy is a rust-proof non-magnetic metal; easy to drill; cuts and solders readily. Bases are 2 or 3" high, with open bottoms. Folded on 4 sides, except 4¾x8½x1½" size, which has open ends. Undrilled. Wts. 3 to 7 lbs.

TERNPLATE

B9708. 4¾"x8½"x 1½". YOUR PRICE..... **34c**

B9709. 7"x9"x2". YOUR PRICE **40c**

B9710. 7"x11"x2". YOUR PRICE **45c**

B9711. 7"x13"x2". YOUR PRICE **50c**

B9712. 10"x11"x2½". YOUR PRICE **53c**

B9713. 10"x12"x3". YOUR PRICE **54c**

B9714. 10"x17"x3". YOUR PRICE **75c**

B9715. 10"x23"x3". YOUR PRICE **85c**

ELECTRALLOY

B9722. 4¾"x8½"x 1½". YOUR PRICE..... **71c**

B9723. 7"x9"x2". YOUR PRICE **76c**

B9724. 7"x11"x2". YOUR PRICE **93c**

B9725. 7"x13"x2". YOUR PRICE **$1.05**

B9726. 10"x11"x 2½". YOUR PRICE.. **$1.10**

B9727. 10"x12"x 3". YOUR PRICE.... **$1.12**

B9728. 10"x17"x 3". YOUR PRICE.... **$1.45**

B9729. 10"x23"x 3". YOUR PRICE.... **$1.69**

RUBBER PANELS

Special black hard rubber compound panels. Smooth finish. 3/16 inch thick. Will not warp.

No.	Size	EACH
B9768	7x10	$0.72
B9769	7x12	.82
B9770	7x14	.98
B9771	7x18	1.22
B9772	7x21	1.42
B9773	7x24	1.58
B9774	7x26	1.70
B9775	7x30	1.98

BAKELITE PANELS

High quality black bakelite panels. Smooth polished finish. 3/16 inch thick. Supplied in standard sizes listed, or cut to size.

No.	Size	EACH
B9758	7x10	$0.89
B9759	7x12	1.15
B9760	7x14	1.30
B9761	7x18	1.60
B9762	7x21	1.80
B9763	7x24	2.10
B9764	7x26	2.30
B9765	7x28	2.55
B9766	7x30	2.57
	CUT TO SIZE	1¾c

Per square inch.....

Please remit with order for special sizes.

WRINKLE-FINISH VARNISH



An attractive, modern wrinkle-finish for all metal chassis, panels, etc. Air drying; applied with brush or spray. ⅛ pint.

		EACH
B1955.	Black.	26c
B1956.	Brown.	
B1957.	Green.	

PER PINT EACH..... $1.32

Specify color when ordering.

Black Crystallizing Lacquer



Will cover any metal surface with black crystalline finish. Applied with brush or spray-gun. Dries in 20 minutes.

B1950. 2 oz. Can. YOUR PRICE **21c**

B1951. 8 oz. Can. YOUR PRICE **65c**

B1953. 1 pt. Can. YOUR PRICE **$1.18**

METAL PANELS

Electralloy



Non-magnetic, stainless sheet metal; beautiful dull silver finish. Easy to drill and cut. No. 16 gauge; 1/16" thick.

No.	Size	EACH
B9731	7x10	$0.42
B9732	7x12	.45
B9733	7x14	.53
B9734	7x16	.61
B9735	7x18	.65
B9736	7x21	.78
B9737	7x24	.89
B9738	7x30	1.12
B9739	36x36	5.29

Cut to Size

We can supply electralloy panels cut to any size, at 1c per square inch. Minimum order..... 95c

Aluminum

Hard-tempered, commercially pure aluminum sheets. Have bright silver finish. Very popular with set-builders and Amateurs. No. 16 gauge about 1/16 in. thick.

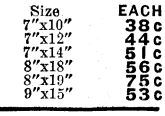
No.	Size	EACH
B9741	7x10	$0.44
B9742	7x12	.54
B9743	7x14	.63
B9744	7x16	.75
B9745	7x18	.85
B9746	7x21	.95
B9747	7x24	1.05
B9748	7x30	1.30
B9749	24x36	5.35

CUT TO SIZE

About 1/16 inch thick. Per Square Foot 95c

[Minimum order, 95c]

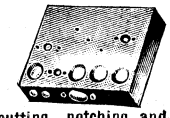
FINISHED METAL PANELS



Heavy-gauge cold rolled sheet steel, finished on both sides in black crackle. Sizes to match chassis bases listed above.

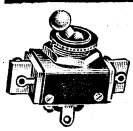
No.	Size	EACH
B9750	7"x10"	38c
B9751	7"x12"	44c
B9752	7"x14"	51c
B9753	8"x18"	56c
B9754	8"x19"	75c
B9755	9"x15"	53c

CHASSIS SERVICE



A new ALLIED service for set-builders. We will form and punch any chassis to your specifications. Charges are as follows: Drilling small holes up to ½"—20c per dozen; holes over ½" to 1⅜" inclusive—10c each; holes larger than 1⅜" or cutouts of special design are priced slightly higher. Transformer cutouts, 25c each; forming chassis, 35c. Minimum charge is 95c. This does not include the chassis base (or metal for it). Blank chassis bases, or sheet Electralloy and Aluminum are listed on this page. Send scale drawing with dimensions and hole sizes clearly marked. Chassis bases are made up on final sales basis only; deposit of 95c must accompany order.

Quality SWITCHES • JACKS • PLUGS



H & H TOGGLE SWITCHES

Underwriters approved; rated at 3 amps.—125 V., 1 amp.—250 V. Oxidized bronze finish. Threaded stem, 15/32" dia. Supplied with two locknuts. Have fibre insulation and solder lug connections. For sets, meters, lamps, etc.

SINGLE POLE SINGLE THROW (2 LUGS)

No.	Stem	EACH	PER 10
B5450.	3/8 in.	19c	$1.80
B5451.	3/4 in.	22c	2.05
B5452.	1 in.	23c	2.10

SINGLE POLE DOUBLE THROW (3 LUGS)

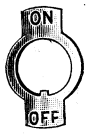
B5453.	3/8 in.	22c	$2.10
B5454.	3/4 in.	24c	$2.25
B5455.	1 in.	26c	2.40

DOUBLE POLE SINGLE THROW (4 LUGS)

B5456.	3/8 in.	26c	$2.50
B5457.	3/4 in.	29c	2.75
B5458.	1 in.	30c	2.80

DOUBLE POLE DOUBLE THROW (6 LUGS)

B5459.	3/8 in.	39c	$3.80
B5460.	3/4 in.	43c	4.15
B5461.	1 in.	45c	4.30



TOGGLE SWITCH PLATE

An inexpensive "on-off" plate for any toggle switch. Has 15/32" shaft hole. Bronze finish.

B5467. NET EACH **4c**
PER DOZ. **35c**



H & H ROTARY SWITCHES

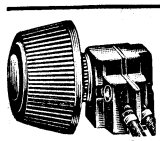
Positive contact rotary type power switches rated at 3 amps.—125 V., 1 amp.—250 V. Steel cased. Shaft 7/8" long, 1/4" dia. 3/8" threaded stems for panel mounting. Supplied with locknuts. Underwriters approved.

B5462. Single Pole, Single Throw. 2 contacts.
NET **17c**

B5463. Single Pole, Double Throw. 3 contacts.
NET **22c**

B5464. Double Pole, Single Throw. 4 contacts.
NET **39c**

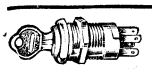
B5465. Double Pole, Double Throw. 6 contacts.
NET **44c**



G. E. ROTARY A. C. SWITCH

On and off switch. With 8" insulated leads. Rated 3 amps., 125 volts. Shaft extends 1/2 in. beyond bushing. Complete with bakelite knob. Underwriters' approved. Outstanding value.

B2915.
10 Lots, 80c. EACH..... **9c**



SWITCH LOCK

For automobile radios, loud speakers in hotel rooms, etc. Key can be withdrawn only in locked position. Nickel plated. 3/4 in. diameter of body. Switch is not grounded. With two keys. Has tumbler lock. Single pole, two terminals. Controls one circuit.

B2905. List, $1.00.
NET **50c**

PORCELAIN KNIFE SWITCHES



Glazed porcelain base. Heavy copper blade with insulated handle. Machine screw terminals are provided.

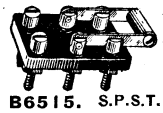
B6185. S.P.S.T.
1 1/4"x2 1/2". NET **12c**

B6186. S.P.D.T.
1 1/4"x3 5/8". NET **14c**

B6187. D.P.S.T.
2 1/8"x2 3/4". NET **22c**

B6188. D.P.D.T.
2 1/8"x4". NET **25c**

MIDGET KNIFE SWITCHES



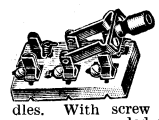
For panel or base mount. Nickel-plated blades and contacts; bakelite base. Reliable switches.

B6515. S.P.S.T.
1/2"x1 1/4". NET **12c**

B6516. S.P.D.T.
1/2"x1 1/4". NET **18c**

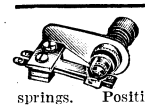
B6517. D.P.D.T.
1"x1 1/4". NET **29c**

MIDGET PORCELAIN KNIFE SWITCHES



Neat and compact; mounted on glazed porcelain base. Blades have insulated handles. With screw terminals. For open or concealed wiring.

No.	Type	
B1275.	S.P.S.T.	**10c**
1"x2 1/2". NET		
B1276.	D.P.S.T.	**17c**
1 5/8"x1 3/4". NET		
B1277.	S.P.D.T.	**12c**
1"x2 5/8". NET		
B1278.	D.P.D.T.	**19c**
1 1/2"x2 5/8". NET		
B1279.	3 P.D.T.	**45c**
2 1/4"x2 5/8". NET		



PUSH-BUTTON SWITCHES

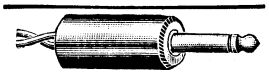
Cadmium-plated springs. Positive, non-corrosive contacts. Fully insulated. Bakelite knobs. 3/8" hole mounting. Locking type makes contact with knob pushed in. Non-locking type, with knob pushed in; returns to open when pressure on knob is released.

LOCKING TYPE

No.	Type	List	NET
B8960	S.P.S.T.	$0.90	$0.53
B8961	D.P.S.T.	1.20	.71
B8962	S.P.D.T.	1.00	.59
B8963	D.P.D.T.	1.50	.88

NON-LOCKING TYPE

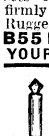
B8964	S.P.S.T.	$0.90	$0.53
B8965	D.P.S.T.	1.20	.71
B8966	S.P.D.T.	1.00	.59
B8967	D.P.D.T.	1.50	.88



DOUBLE PHONE PLUG

Molded of brown bakelite. Hardware brass nickel plated. Takes 2 sets of cord tips which are held firmly in place with screws. Rugged and will stand hard usage.

B5515. List, 50c.
YOUR PRICE **19c**

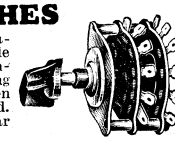


FLAT TYPE PHONE PLUG

Automatic, nothing to take apart; just push in cord tips and plug is ready for use.

B3972. NET.. **12c**

YAXLEY GANG SWITCHES



For test equipment and general radio and laboratory work. Switches have 1 fixed and 1 adjustable stop. Rigidly built. Have laminated bakelite insulation and phosphor-bronze springs. 2 gang switches are spaced 1/2"; 3 gang are 1" between gangs. Notched 2" shaft may be easily shortened. Require 7/16" mounting hole. Complete with bar knob, but less dial plate.

SINGLE GANG SWITCHES

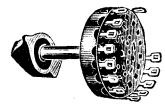
Shorting Type	Non-Shorting Type	Poles	Pos.	List Each	NET EACH
B11950	B11955	1	1-6	$1.00	$0.59
B11951	B11956	1	1-11	1.15	.68
B11952	B11957	2	1-5	1.25	.73
B11953	B11958	3	1-3	1.35	.79
B11954	B11959	4	1-2	1.45	.85

TWO GANG SWITCHES

B11960	B11965	2	1-6	$1.60	$0.94
B11961	B11966	2	1-11	1.75	1.03
B11962	B11967	4	1-5	2.00	1.18
B11963	B11968	6	1-3	2.10	1.23
B11964	B11969	8	1-2	2.25	1.32

THREE GANG SWITCHES

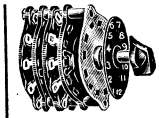
B11940	B11943	3	1-6	$2.20	$1.29
B11941	B11944	3	1-11	2.35	1.38
B11942	B11945	6	1-5	2.50	1.47



YAXLEY 17 POINT TAP SWITCH

For many multiple switching uses. Has 17 positions. Selector arm shorts between contacts. Laminated bakelite construction with phosphor-bronze springs. 2" notched shaft may be easily cut to size. Diameter, 1 11/16"; depth, 13/16". With knob; less dial plate.

B11993. NET..... **79c**



YAXLEY CIRCUIT OPENING SWITCH

Useful in building or modernizing test equipment. Will open circuit and insert milliammeter, resistor, etc., in series with any one of 12 circuits. 2 3/8" diam.; 1 3/4" deep. 2" notched shaft. Single hole mount. With dial and knob.

B11994.
List, $4.50. NET..... **$2.65**

PLATES FOR YAXLEY SWITCHES

Attractive numbered dial plates with numbers etched in white. For use with Yaxley switches above or with volume and tone controls, etc. Have 3/8" center hole.

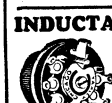
No.	Marking	No.	Marking
B11970	0 to 100	B11980	1 to 10
B11971	1 to 15	B11981	1 to 11
B11972	1 to 2	B11982	1 to 12
B11973	1 to 3	B11992	1 to 17
B11974	1 to 4	B11983	Off—1 to 3
B11975	1 to 5	B11984	Off—1 to 4
B11976	1 to 6	B11985	Off—1 to 5
B11977	1 to 7	B11986	Off—1 to 6
B11978	1 to 8	B11987	Off—1 to 7
B11979	1 to 9	B11988	Off—1 to 8

No.	Marking
B11989	Off—1 to 9
B11990	Off—1 to 10
B11995	Off—1 to 16
B11991	Volume

YOUR PRICE
EACH SWITCH PLATE..... **9c**

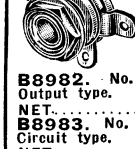


INDUCTANCE SWITCHES



A well made compact switch. Used in test equipment, etc. Nickel-plated type with pointer knob. 3/8 in. hole mtg.

No.	Points	
B8950	3	NET
B8951	5	EACH **59c**
B8952	7	NET
B8953	9	EACH **73c**
B8954	12	

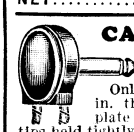


MIDGET / SHORT JACKS

3/8 in. mounting, heavy bakelite insulators.

B8982. No. 1. Open Circuit, Output type.
NET..... **14c**

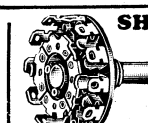
B8983. No. 2A. Single Closed Circuit type.
NET..... **14c**



CARTER FLAT PLUG

Popular flat plug. Only 1 1/16 in. dia., 1/4 in. thick. Ideal for wall plate connection. Cord tips held tightly by screws. Polarity shown. Of molded bakelite.

B8956. List, 75c.
YOUR PRICE **39c**



SHORT WAVE SELECTOR SWITCHES

Designed for use in new type sets having from two to five wave bands. Sturdily constructed with self-wiping contacts of shorting type. Bushing 3/8" dia., with 3/4"x1/4" steel shaft. Laminated bakelite insulation. Supplied with mounting nut and lock washer.

No.	Gangs	Poles	Pos.	NET
B4070	1	3	3	$0.38
B4071	1	4	2	.38
B4072	1	2	5	.64
B4073	2	4	5	.94
B4074	3	6	5	1.33
B4075	4	8	5	1.58

CARTER JACK SWITCHES



Compact. Tempered steel frame. Cadmium-plated springs. Positive in action. Equipped with bakelite pointer knob and lock nut.

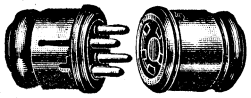
3 POSITION

All double throw types, with center "off" positions. 7/16 in. mounting. 1 1/4 in. deep.

No.	Pole	List	NET
B8969	1	$0.85	$0.50
B8970	2	1.20	.71
B8971	3	1.55	.91
B8972	4	1.95	1.15

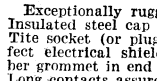
SOCKETS • PLUGS • CONNECTORS

SHIELDED CABLE CONNECTORS



Exceptionally rugged construction. Insulated steel cap snaps over Clip-Tite socket (or plug); provides perfect electrical shielding. Has rubber grommet in end to protect cable. Long contacts assure perfect connection. Black japan finish. Diameter 1¼"; only 1¼" long.

MALE No.	Prongs	FEMALE No.	Prongs
B1630	4	B1635	4
B1631	5	B1636	5
B1632	6	B1637	6
B1633	7S	B1638	7S
B1634	8 octal	B1639	8 octal
10 FOR NET EACH..	$1.35 **15c**	10 FOR NET EACH..	$1.35 **15c**



LOCKING TYPE METAL SLEEVES

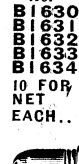
Cadmium-plated steel shells; designed to slip over connectors listed above and screw together. Ideal for public address use.

Set, 2 pieces.
B1640 ..... **15c**



CHASSIS TYPE

Same design as type listed above, except that the female section has a flange to fit under Clip-Tite socket, when mounted on a chassis. Provides locked connection.
B1783. Set of 2 pieces **15c**



RUBBER PLUG HANDLE

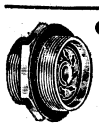
A heavy rubber plug handle designed to fit snugly over the shielded cable connectors, male and female, listed above. Made of tough, flexible rubber.
B4549. EACH **9c**



CABLE TYPE CONNECTORS

For connecting extension cables together. Cables cannot pull apart; couplings lock securely with threaded ring. Drawn steel shells with durable polished chrome-plated finish. Octal type has guide key.

MALE No.	Prongs	FEMALE No.	Prongs
B4550	4	B4556	4
B4551	5	B4557	5
B4552	6	B4558	6
B4554	8 octal	B4560	8 octal
10 FOR NET EACH..	$6.55 **73c**	10 FOR NET EACH..	$6.55 **73c**



CHASSIS TYPE

Chassis type female cable connectors. Positive connection provided by cadmium plated bronze contacts. Shielded coupling ring locks male and female units securely.

No.	Prongs	EACH
B4562	4	**35c**
B4563	5	
B4564	6	
B4566	8 octal	Per 10, $3.15

CLIP-TITE SOCKETS



REPLACEMENT TYPE

A new sturdy socket made of molded bakelite, with long contacts which grip tube prongs firmly. May be mounted in any position. Special universal adapter plate with each socket makes possible quick replacement of any wafer socket.

No.	Prongs	EACH
B4524	4	**7c**
B4525	5	
B4526	6	
B4528	7 medium	10 LOTS 65c
B4527	7 small	
B4529	Combination 7 Medium and 7 Small.....	9c

8 PRONG OCTAL SOCKET

Same construction as above, to fit new octal base tubes.
B4530. 10 lots, 85c
YOUR PRICE EACH..... **9c**

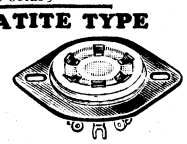
CHASSIS TYPE



For chassis hole mounting. Supplied with tempered steel locking ring. Molded bakelite with cadmium-plated contacts.

No.	Prongs	EACH
B4532	4	**6½c** PER 10 60c
B4533	5	
B4534	6	
B4535	7S	**8c** PER 10 72c
B4536	7M	
B4537	7 Comb.	
B4538	8 octal	

STEATITE TYPE

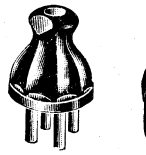


The ideal socket for short wave receivers and transmitters. New low-loss design of glazed steatite. With special universal mounting plate.

No.	Prongs	EACH	PER 10
B4541	4	**24c**	$2.25
B4542	5		
B4543	6		
B4544	7S	**29c**	$2.75
B4545	7M		
B4547	8 Octal		

PUNCHES FOR CLIPTITE SOCKETS

Punches clean-cut holes with locking lug for clip-tite sockets.
B1642. 1²¹/₆₄" 7M and 7 Comb.
B1641. 1¹¹/₆₄" Standard.
NET EACH..... **$2.94**



TWO PIECE CONNECTORS

Connectors of two piece molded bakelite construction. Sure grip handles; sturdy contacts and pins. For microphone or speaker plugs.

MALE No.	Prongs	FEMALE No.	Prongs
B1807	4	B1813	4
B1808	5	B1814	5
B1809	6	B1815	6
B1810	7M	B1816	7M
B1811	7S	B1817	7S
B1812	8 (Octal)	B1818	8 (Octal)
NET EACH...	**18c**	NET EACH...	**24c**

SUB-PANEL SOCKETS



Laminated bakelite construction. Sturdy and reliable. Top entirely insulated. Full floating contacts, self-aligning, and of one piece construction for low resistance connection. Sturdily made for enduring service. Each socket has hole locating ring for quick tube insertion.

STANDARD SIZE
1 27/32" Mounting Centers

No.	Prongs	EACH	PER 10
B4020	4	**5c**	45c
B4021	5		
B4022	6		
B4023	7M		
B4024	7S		

MIDGET SIZE
1½" Mounting Centers

No.	Prongs	EACH	PER 10
B4026	4	**5c**	45c
B4027	5		
B4028	6		
B4029	7M		
B4030	7S		

NEW OCTAL SOCKET

A new small size socket of wafer construction designed to accommodate all of the new octal base tube types. A single socket will fit all metal, metal-glass and octal base glass tubes having 4, 5, 6, 7 or 8 prongs. 1½" mounting centers.
B4031. 10 FOR 55c. YOUR PRICE, EACH..... **6c**

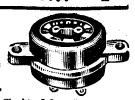


ALDEN 'TUNING FORK' CONTACT SOCKETS

New type molded bakelite sockets for test equipment use. Silver-plated floating "tuning fork" contacts assure long life, even under severe use. Mount above or below panel. 1 19/32" mounting centers.

No.	Prongs	No.	Prongs
B1690	4	B1693	7M
B1691	5	B1694	7S
B1692	6	B1695	8 Octal
Per 10 ..... $2.30			
NET EACH **24c**			

EAR TYPE SOCKETS



A small bakelite socket with ears for mounting under panel or chassis. Suitable for test instruments. 1 19/32" mtg. centers.

No.	Prongs	NET EACH
B1785	4	**15c**
B1786	5	
B1787	6	
B1788	7M	10 FOR $1.40
B1789	7S	

COMPOSITE TYPE

Composite panel mount sockets for modernizing test instruments.

No.	Prongs	NET EACH
B1795	4-5-6	**29c**
B1796	5-7M	
B1797	7M-7S	
B1798	5-6-7S	
10 FOR $2.75		

HEAVY-DUTY RUBBER HANDLE PLUGS



Molded bakelite plugs and sockets mounted in unbreakable rubber handles. These plugs and sockets prevent wire breakage. 2½" handles.

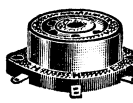
PLUGS No.	Prongs	SOCKETS No.	Prongs
B4035	4	B4040	4
B4036	5	B4041	5
B4037	6	B4042	6
B4039	7S	B4043	7M
NET EACH...	**15c**	B4044	7S
		NET EACH...	**23c**

BAKELITE MALE CONNECTOR PLUG



A sturdy neat two piece molded bakelite connector plug for speaker connections, etc.

No.	Prongs	EACH
B1800	4	**15c**
B1801	5	
B1802	6	
B1803	7M	
B1804	7S	
B1805	8 (Octal)	



EBY BAKELITE SOCKETS

One-piece molded black bakelite construction. Suitable either for baseboard or sub-panel mounting. Sturdy contact guides. 1 11/16" mounting centers.

No.	Prongs	
B4000	4	Each... **18c**
B4001	5	
B4002	6	
B4003	5 and 6	Each... **24c**
B4004	7M & 7S	
B4005	7M (.855)	
B4006	8 Octal Base	26c

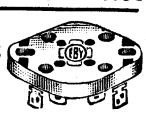
EBY COMPACT SOCKETS



Molded bakelite sockets for sub-panel mounting. Base of socket is laminated bakelite plate. Mounting centers, 1 11/16".

No.	Prongs	EACH	PER 10
B4007	4	12c	$1.15
B4008	5	**15c**	1.35
B4009	6		
B4010	7S		
B4011	7M		
B4012	8 Octal	18c	1.65

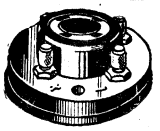
EBY ISOLANTITE SOCKETS



Ideal for H.F. use. Large positive contacts. Oval holes for 1 11/16" to 1 27/32" mounting.

No.	Prongs	EACH	PER 10
B4015	4	**29c**	$2.85
B4016	5		
B4017	6		
B4018	7S	**32c**	3.10
B4019	7M		
B4014	8 Octal	35c	3.40

BASE MOUNT SOCKETS

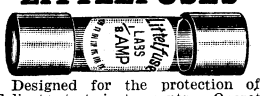


A molded bakelite socket for panel or baseboard mounting. Rugged contacts will withstand severe usage. 1⅞" diameter, with nickel-plated knurled binding posts. Ideal for experimental use.

No.	Prongs	EACH	PER 10
B4515	4	**21c**	$1.95
B4516	5		
B4517	6		
B4518	7M		
B4519	7S		
B4520	8 (Octal).	EACH..44c	

FUSES · BATTERY CLIPS · HARDWARE

LITTLEFUSES



Designed for the protection of delicate test instruments. Operate "quicker than a short-circuit." Widely used. 1" long, ¼" dia. May be used on A.C. or D.C. Glass-enclosed.

Stock No.	Amps. Rating	Max. Load M.A.	
B6230	1/100	10	EACH
B6231	1/32	25	
B6232	1/16	60	**12c**
		Low	PER DOZ.
B6233	1/8	Res.	$1.32
B6234	1/8	100	EACH
B6235	1/4	200	
B6236	3/8	300	**9c**
B6237	1/2	400	PER DOZ.
B6238	3/4	600	$1.00
B6239	1	1000	
B6240	2	2000	EACH, **6c**
PER DOZEN			65c

FOR RADIO AND AMPLIFIER USE

For use in 105-120 volt primary line. Underwriters' approved. 1¼" long. ¼" diameter.

No.	Amp.	Volts	
B6242	1	250	EACH
B6243	1½	250	
B6244	2	250	**5c**
B6245	3	250	DOZ. 50c
B6246	1/8	500	
B6247	1/4	500	EA., **9c**
B6248	1/2	500	PER DOZ.
B6249	3/4	500	$1.00



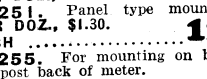
MOUNTINGS

Black molded bakelite mountings for Instrument Littlefuses. Single hole mount.

B6250. **9c**
PER DOZ., 98c. EACH

B6251. Panel type mounting. **12c**
PER DOZ., $1.30. EACH

B6255. For mounting on binding post back of meter. **12c**
1"x1⅛"x1/16". PER DOZ., $1.30. EACH



EXTRACTOR FUSE POST

B6258. Underwriters' Approved. Black Bakelite; for all panels up to ½". No exposed parts; requires tool to renew fuse. For Littlefuses. **24c**
NET



METAL-COVERED MOUNTINGS

These metal-covered 3AG fuse mountings are designed for use on the new metal tube radio sets. Approved by the underwriters. Cadmium-plated shell with bakelite base. Size, 2½x⅞". Has 6-32 mounting screws spaced at 2⅛" mounting centers.

B6257. **12c**
EACH
PER DOZ. $1.30

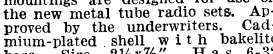


FUSE CLIPS

Single hole mount for small auto or radio tubular fuses.

B6253. **2c**
EACH
PER DOZ. 20c

FUSE RETAINER



Cadmium-plated separable metal container for fusing a line. Used extensively for auto sets. Takes 1" or 1¼" fuse. Also suitable for aerial connector.

B6252. **8c**
EACH
PER DOZ. 85c

MUELLER BATTERY CLIPS



Strong channel construction. No solder required. For screw or lug connections. 5 and 10 amp. types cadmium-plated; balance lead-coated steel.

MESH TEETH TYPE

B6500. 1½ in. long. 5 amps. No. 45. 7 lb. spring.
NET EACH, 4c.
Box of 10 **29c**

B6501. 2 in. long. 10 amps. No. 48B. 10 lb. spring.
NET EACH, 5c.
Box of 10 **32c**



GRIP TEETH TYPE

B6502. 2⅞" long. 25 amps. No. 24A. 17 lb. spring.
NET EACH, 8c.
Box of 10 **59c**

B6503. 4" long. 50 amps. No. 21A. 33 lb. spring.
NET EACH, 16c. **$1.08**
Box of 10

B6504. 5⅝" long. 100 amps. No. 11A. 38 lb. spring.
NET EACH **33c**

SOLID COPPER CLIPS

For H.F. work. Non-ferrous. 1½" long. 10 amps.

B6480. Type 45-C.
NET EACH, 8c.
BOX OF 10 **54c**



ALLIGATOR CLIPS

Small clips with slender elongated jaws. Have screw terminals; with barrel ends to fit banana plugs. Less insulators.

B6477. Clip only. Box of 10, 49c. 100 Lots, $3.88. **6c**
EACH

Colored rubber insulators for alligator clips. Will not slip off. In red and black.

B6481. PER PAIR, 1 Red & 1 Black Insulator. **8c**
YOUR PRICE PER PAIR

Box of 10 28c
100 Lots $2.70
(Pkd. ½ RED, and ½ BLACK.)



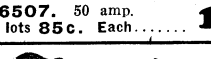
LEAD-COATED BATTERY CLIPS

Sturdy, non-corrosive lead-covered battery clips. Take small space and have strong springs. Will give long dependable service.

B6505. 15 amp.
10 lots 29c. Each **4c**

B6506. 25 amp.
10 lots 42c. Each **5c**

B6507. 50 amp.
10 lots 85c. Each **10c**



LEADER HYDROMETER

A large, accurate and dependable hydrometer. Beaded float. Bulb of live, resilient rubber. Shpg. wt., 1 lb.

B3971. YOUR PRICE **28c**

We can supply all types of radio hardware. Write to us, describing your needs, stating size, etc., and we shall be glad to ship what you want promptly at the lowest prices.

HARDWARE



1000 PIECE ASSORTMENT

A bargain assortment that will prove invaluable to any serviceman or experimenter. Contains rivets, grommets, nuts, screws, washers, brackets, soldering lugs, etc.—1,000 pieces of hardware useful around every workbench.

B7008. YOUR PRICE **95c**

RUBBER GROMMETS



For insulating holes in metal chassis plates and other electrical parts. Tough, strong vulcanized rubber. For metal stock about 1/16 in. thick.

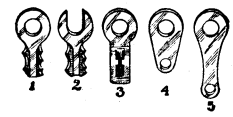
Stock No.	Fits Hole	Inside Diam.	Per Doz.
B7028	¼"	⅛"	9c
B7029	7/16"	5/16"	19c
B7030	½"	⅜"	21c

INSULATED GROMMETS



Latest type bushings. Ideal for use on radio apparatus to prevent insulated wires from fraying or breaking.

Stock No.	Fits Hole	Inside Diam.	Length	Per Doz.
B7024	⅜"	⅛"	⅜"	53c
B7025	7/16"	3/16"	⅜"	53c
B7026	½"	¼"	7/16"	71c
B7027	9/16"	5/16"	½"	84c



SOLDERING LUGS

Tin coated for easy soldering.

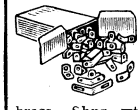
No.	Style	Per
B7045.	Style 1.	BOX OF
B7046.	Style 2.	100,
B7047.	Style 3.	**18c**
B7048.	Style 4.	
B7049.	Style 5.	

HEXAGONAL NUTS



Standard 5/16" nuts, accurately machined from cadmium-plated steel. Shpg. wt., ½ lb.

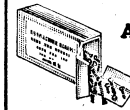
B7005. 6-32.
B7006. 8-32. PER 100. **18c**



BRACKET ASSORTMENT

Consists of 28 popular-sized angles and brackets for radio work. Nickel-plated brass. Shpg. wt., 1 lb.

B7009. YOUR PRICE **26c**



SCREW ASSORTMENTS

For all radio service and set-building needs. Each kit contains 85, 6-32 screws of assorted length.

B7031. No. 1 Kit. 85 round-head screws.

B7032. No. 2 Kit. 85 flat-head screws.

EACH KIT **23c**



FIBRE WASHER ASSORTMENT

A large variety of shouldered and plain fibre washers. Very useful. 100 in box.

B7033. PER BOX **26c**

FUSES

TYPE 3AG



Tubular fuses. Compactly-made. Size is 1¼ in. x ¼ in. Protect radio sets, test instruments, etc.

No.	Amp.	No.	Amp.
B6010	1	B6015	5
B6011	1½	B6016	10
B6012	2	B6017	15
B6013	3	B6018	20
B6014	4	B6019	25

Box of 5 14c
PER HUNDRED $2.65

Fractional Sizes

		Box of 5
B6020.	⅛ Amp.	65c
B6021.	¼ Amp.	45c
B6022.	½ Amp.	45c
B6023.	¾ Amp.	30c

CADMIUM-PLATED MACHINE SCREWS

Standard thread, good quality. One gross to a box.

6-32 ROUND HEAD

No.	Length	Gross
B7010	⅛"	16c
B7011	5/16"	18c
B7012	½"	20c
B7013	¾"	22c
B7014	1"	26c
B7015	1¼"	31c
B7016	1½"	35c
B7017	2¼"	95c



8-32 ROUND HEAD

B7019	3/16"	23c
B7020	¼"	28c
B7021	¾"	32c
B7022	1¾"	59c

METAL TAPPING SCREWS



Cut their own threads in metal as they are turned in by screw driver. May be used with all sheet metal up to No. 16 gauge.

SIZE 6			SIZE 8	
No.	Gross	Lgth.	No.	Gross
B7035	30c	¼"		
B7036	32c	⅜"	B7041	34c
B7037	35c	½"	B7042	36c
B7038	37c	⅝"	B7043	38c
B7039	40c	¾"	B7044	40c

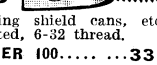
ORNAMENTAL HEAD SCREWS



Rosette head; statuary bronze finish. Size 6-32 (5/16" head dia.).

No.	Length	Doz.
B7000	¾"	8c
B7001	1"	9c
B7002	1¼"	10c

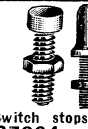
LUG SCREWS



For mounting shield cans, etc. Cadmium plated, 6-32 thread.

B7007. PER 100 33c
PER 10, NET **5c**

SWITCH POINTS AND STOPS



Solid brass. Heavily nickel-plated with ¼ in. x 6-32 nut.

Switch points.	Switch stops.
B7003. PER DOZ. **8c**	B7004. PER DOZ. **8c**

GRILL CLOTH



Finest tapestry material, with artistic design of interwoven black and gold. For use behind speaker grills. Specify size. Furnished only in 1, 2, 3, or 4 ft. widths, any length.

B2916. NET PER SQUARE FOOT **18c**

JACKS · PLUGS · CLIPS · CONNECTORS

BINDING POSTS

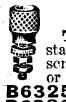


EBY JUNIOR

Insulated posts with non-removable engraved tops. Dia. ½". Screw is 6-32, ½" long.

B4050. Ant.
B4051. Gnd.
B4052. Input.
B4056. Plain.
B4053. Output.
B4054. +.
B4055. —.

List, 20c. NET EACH.... **12c**
PER DOZ. **$1.35**



COMBINATION

Top section will receive any standard banana type plug; screw part will take phone tip or wire. Fixed top.

B6325. RED.
B6326. BLACK.
Doz., 80c. EACH..... **7c**



EBY TWIN

Consists of standard Ant. and Gnd. Eby posts mounted on laminated or moulded bakelite strips. 2 in. long, ⅝ in. wide. Insulated posts.

B4058. Moulded bakelite strip.
List, 35c. NET..... **21c**
B4059. Laminated bakelite strip.
List, 25c. NET..... **14c**

GRID CAPS

COMBINATION



New type reversible cap designed to fit both standard glass tubes and new metal tubes. 11" leads have standard phone tips.

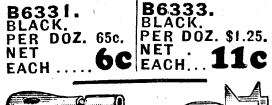
B6328. Red.
B6329. Black.
NET EACH..... **12c**



INSULATED

Well-made spring clips. Colored composition insulation. Have 7½ inch wire leads. Will fit all glass tubes. Make sure contact.

STANDARD	For 866 TUBE
B6330. RED.	**B6332.** RED.
B6331. BLACK.	**B6333.** BLACK.
PER DOZ. 65c.	PER DOZ. $1.25.
NET EACH..... **6c**	NET EACH... **11c**



STANDARD

Sure contact spring clips. Type A is for standard tubes; Type B is for new metal tubes.

B6334. Type A.
B6335. Type B. EACH.. **1c**
12 FOR **8c**

Triple A.C. Extension



Handy triple electric outlet. Of live rubber. With 10 foot cord. Special plug provides added outlet.

B3422. NET EA.... **48c**

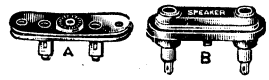
Rubber Handle Cap



Unbreakable soft rubber attachment plug caps. Firm brass blades. Approved type.

B3978. NET... **4c**
Per 10 ..... **35c**

TWIN JACKS



LAMINATED TYPE

FIG. A. Of laminated bakelite construction, with sure-grip contact springs. Easy to mount. Ideal for headphone, phonograph or speaker connections. 2"x⅝".

B4061. SPEAKER.
B4062. PHONO.
B4063. PLAIN.
10 FOR 55c. EACH..... **6c**

TRIPLE TIP JACKS

Laminated bakelite. For microphones, speakers, etc.

B4068. Plain.
10 FOR 82c. EACH..... **9c**

MOLDED TWIN JACKS

FIG. B. Of molded bakelite; attractive, durable, 2"x⅝".

B4064. Speaker.
B4065. Phono.
B4066. Plain. EACH. **15c**

SHORTING TYPE

Particularly designed for use in point-to-point analyzers. Circuit automatically closes when cord tips are removed. Single mounting screw. Resembles Fig. B.

B4067. YOUR PRICE.. **18c**



MOUNTING STRIPS

Handy insulated strips to support resistors, junction connections, etc., on metal chassis to prevent grounding and shorting.

No.	LUGS	EACH	TEN
B6305	2	3c	22c
B6306	3	3c	24c
B6307	4	5c	39c
B6308	5	5c	44c
B6309	6	5c	44c

TERMINAL STRIPS



Attractive bakelite strips with securely fastened screw terminals. Make good connections quickly. Special lugs prevent wire from slipping out when screw is tightened. Mounting holes at ends of strip for easy fastening.

No.	Term.	Each	TEN
B6311	2	9c	$0.79
B6312	3	12c	1.05
B6313	4	15c	1.32
B6314	5	19c	1.65
B6315	6	23c	1.95



FAHNESTOCK CONNECTORS

Makes connections by holding wire firmly in spring grip.

B6320. Single, 1" long.
NET PER DOZ..... **11c**
B6321. Single, ¾" long.
NET PER DOZ..... **10c**
B6322. Double, 1¾" long.
NET PER DOZ..... **26c**
B6323. Double, 1½" long.
NET PER DOZ..... **25c**

EAGLE INDICATING FUSES



New type fuse which shows "OK" in window when fuse is good; "OK" vanishes when fuse blows.

B3995.	10 Amp.	5 FOR
B3996.	15 Amp.	
B3997.	20 Amp.	
B3998.	25 Amp.	**20c**
B3990.	30 Amp.	

TEST CLIPS



ALLIGATOR TYPE

Long, thin-nosed clips, easy to get into tight places. Handy for all test instruments. Back of clip fits all banana plugs. Strong spring grip.

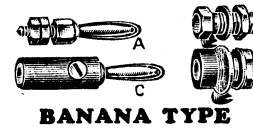
B6317. FIG. A. 2" long.
Per Doz., 38c.
100 Lots, $3.15.
NET EACH **4c**

B6318. FIG. A. 2¾" long.
Per Doz., 54c.
100 Lots, $4.25.
NET EACH **5c**

INSULATED TYPE

FIG. B. 2¼" long.
B6337. RED.
B6338. BLACK.
Per Doz., 80c. EACH... **7c**
FIG. B. 3½" long.
B6339. RED.
B6340. BLACK.
Per Doz., $1.08. EACH... **10c**

PLUGS & JACKS



BANANA TYPE

B6342. FIG. A. New type plug, with tinned spring-brass plug-in prong. Ideal for use with any test equipment. 1⅛" long.
Per Doz., 41c.
100 Lots, $3.25. EACH.. **4c**

B6343. FIG. B. Nickel-plated brass jack to fit above plug. Complete with lug and nut. ⅝" long.
Per Doz., 41c.
100 Lots, $3.25. EACH.. **4c**

INSULATED TYPE

PLUGS		JACKS
FIG. C		FIG. D
B6345	RED	**B6347**
B6346	BLACK	**B6348**

Per 100 Asstd., $4.90.
Per 10 Asstd., 55c.
NET EACH **6c**



SPLIT TYPE BANANA PLUGS

FIG. A. New type plug with split prong, giving much tighter contact between plug and jack. Will stand up under much heavier service than any other plug.

B6350. Doz., 38c.
100 Lots, $2.95.
NET EACH **4c**

INSULATED TYPE

B6351. RED. Fig. B.
B6352. BLACK, Fig. B.
Doz., 85c. EACH..... **8c**



BABY BANANA PLUGS AND JACKS

A new small banana plug and jack made especially for coil mountings. Made of hard brass, nickel-plated.

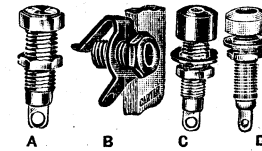
B6354. PLUG. Per Doz. 40c. Per 100, $3.15.
NET EACH **4c**
B6355. JACK. Per Doz. 40c. Per 100, $3.15.
NET EACH **4c**

INSULATED TYPE

PLUGS		JACKS
B6357	RED	**B6359**
B6358	BLACK	**B6360**

Per Doz., 59c.
Per 100, $4.55.
NET EACH..... **6c**

TIP JACKS



B6362. FIG. A. Nickel-plated tip jacks requiring a minimum of panel mounting space. Bronze springs grip phone or speaker cord tips firmly for positive connection. Requires only ¼" mounting hole. Will fit panels up to ⅜" thick. Wt., 2 oz.
Per Doz., 32c. EACH.... **3c**

B6363. FIG. B. Heavy spring contact with positive action. Short, compact type for limited space. Requires ¼" mounting hole. Will fit panels up to ¼" thick. Full nickel-plated.
Per Doz., 32c. EACH.... **3c**

INSULATED TYPE

New type sure-grip contacts for smooth positive action. Insulated head and shoulder washer. Ideal for use on metal chassis or panels for headphone or speaker output, or for test equipment. FIG. C.

B6364. RED. EACH
B6365. BLACK.
Per Doz., 59c.
100 Lots, $4.55. **6c**

Banana Plug or Tip Jack

FIG. D. A new insulated jack arranged to take either standard phone tips, or the new popular banana type plugs. Insulated head and shoulder washer. ¼" mtg.

B6367. RED. EACH
B6368. BLACK.
Per Doz., 85c.
100 Lots, $6.50. **8c**

Yaxley Colored Tip Jacks



2 in a package. Bakelite caps, one red, one black. Insulated type. Fits ⅜ in. hole. Spring contact with solder lug connections. Takes standard cord tip.

B4069. Per set of 2.
List, 25c. NET..... **15c**



IMP PLUGS

B6370. FIG. A. A midget plug with screw-on solderless connection. Fits all standard tip jacks.
Per Doz., 35c.
100 Lots, $2.85.
NET EACH **4c**

INSULATED TYPE

B6371. RED. EACH
B6372. BLACK.
Per Doz., 59c.
100 Lots, $4.55. **6c**



CORD TIPS

FIG. A. Practical new design. Hole in side allows a quick and easy connection to be made; just insert wire and apply solder to hole.

B6373. Per 100, 72c.
B6374. Per 10 ..... **8c**

FIG. B. Standard size tip, 1¼" long. Solderless screw-on connection. Of nickel-finished brass.
Per 100, $2.45.
B6375. EACH..... **3c**

FIG. C. Standard nickel-plated brass cord tips; will fit any regular tip jack.
B6376. Per 100, 50c.
B6377. Per 10 ..... **6c**

BLOW TORCHES · PLIERS · SCREW DRIVERS

LENK BLOW TORCHES

HI-HEAT BLOTORCH

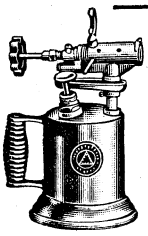


This heavy-duty blow torch assures perfect results. Features flame control, shut-off valve, and non-clogging burner. Fool-proof in design and construction; self-cleaning type. Generates quickly from asbestos-filled drip-cup. Produces a 2000° F. flame. The tank is of heavy gauge seamless drawn brass, with funnel shaped bottom for easy filling. Height 7½ inches; diameter at base 3 inches. Two models are available, either for alcohol or gasoline fuel.

B6224. Type 104. Uses gasoline. List, $2.00. YOUR PRICE..... **$1.18**

B6223. Type 105. Uses alcohol. List, $2.25. YOUR PRICE..... **$1.32**

MODEL 145



A sturdily built gasoline torch for all heavy soldering jobs. Special burner gives hot blue flame; new needle-valve design prevents enlargement of orifice. Pump is completely enclosed and leak-proof. Tank holds a quart of fuel. Has heat-resisting Bakelite valve wheel. Shpg. wt., 4½ lbs.

B6229. NET. **$3.80**

MODEL 24 BLOTORCH



Entirely automatic in operation. Uses alcohol for fuel. Has copper heat conductor for quick generation of gas. Made of nickel-plated brass. Solid leakproof base. Ideal for shop use. Handy size, 5½x2⅛x1 inches.

B6221.
YOUR PRICE **69c**

IMP GASOLINE HAND TORCH



Entirely automatic gasoline hand torch. Flame temperature is over 2000° F. Has priming cup for quick action. No pumping or blowing necessary. Ideal for use where a fusing or brazing heat is required.

B6226.
YOUR PRICE **69c**

RCA CABINET REFINISHING KIT



For refinishing scratched, marred or dented furniture. Leatherette case 9½x4½x2¼" contains: 1—can cleaning oil; 1—can of Valvoline for rubbing; assorted stick shellac; 2—pkgs. aniline stain powders; 1—touch-up brush; 1—spatula; 1—rubbing block; instructions. Shpg. wt., 5 lbs.

B7618.
NET **$2.90**

G-L MICROMETER



Just the thing for the home workshop. Precision-built and guaranteed accurate within 1/1000 of an inch. Anvil and spindle of hardened steel; accurately calibrated. Zero setting in anvil. Finished in hard, polished chrome. Standard 1" size.

B7736. NET..... **98c**

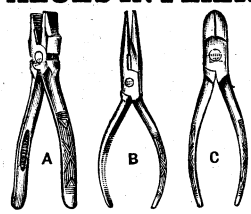
POCKET TOOL CASE



A high grade, two partition case that you can carry in your hip pocket. Will hold a great number of small tools. Made of genuine leather, double sewed, with snap-on flap. Saves wear and tear on your pockets.

B1643. YOUR PRICE.. **59c**

VALUES IN PLIERS



KRAEUTER PLIERS

Known everywhere; used everywhere. Perfectly made of quality materials. Scientifically heat-treated and hardened. Popular types are listed below. Equipped with famous "Don't-Slip" handles. Will give life-time service. Cutting surfaces are designed to clip a great number of materials without nicking. American-made.

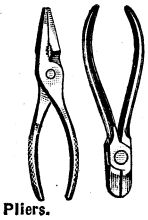
B7806. Type B. 6 Inch Needle-Nose Side Cutter. YOUR PRICE **$1.02**

B7807. Type A. 6½ Inch Electrician's Type. YOUR PRICE **96c**

B7808. Type C. 4½ Inch Diagonal Cutters. YOUR PRICE **$1.00**

B7805. Type C. 5½ Inch Diagonal Cutters. YOUR PRICE **$1.06**

RADIO PLIERS



Well-made handy pliers for radio and electrical work. Made of fully-polished forged tool steel. Diagonal cutting type (5½" long) has hardened and tempered cutters with knurled gun-metal finish handles. Thin nose type (6" long) are nickel plated. Stoutly built to give lasting service. Excellent tool values.

B7800. Diagonal Cutting Pliers.
B7801. Thin Nose Type.
YOUR PRICE EACH..... **32c**

SPECIAL LONG NOSE SIDE-CUTTING PLIERS



High quality, inexpensive pliers, carefully made of hardened steel. Long slim nose for reaching into hard-to-get-at places. Knives are well-fitted, and are ground to make clean easy cut. Overall length, 5 inches. Particularly useful in radio construction and repair work. Every serviceman, experimenter, and amateur can use these pliers to good advantage.

B7802.
YOUR PRICE **38c**

END WRENCH SET



A handy little wrench set with many uses. Wrenches stamped from high grade steel, properly hardened for long service. Cadmium-plated; cannot rust. Wrenches are ¼"x5/16", ⅜"x7/16", and ½" with alligator jaw. American-made.

B2078. Complete set of 3 wrenches. NET..... **10c**

FRICTION TAPE



Made of good quality fabric impregnated with adhesive rubber compound. With high insulation qualities. Made especially for radio and electrical work. Easy to apply; will not dry out.

B7705. 2 oz. roll. NET..... **6c**
B7706. 4 oz. roll. NET..... **9c**
B7707. 8 oz. roll. NET..... **17c**

SCOTCH ELECTRIC TAPE

A tough, flexible, electric tape with extremely high insulation factor. Neutral paper backing with touch-sensitive adhesive coating. Will stick to any surface. ½" wide. 10 Yard Roll.

B7708.
YOUR PRICE **29c**

SCREWDRIVERS



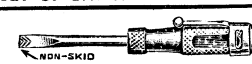
American Made
Highest Quality

GRIP POINT UTILITY SCREWDRIVERS

Especially designed for starting or removing screws in tight, congested spaces. Revolving tongue engages screw slot and holds screw firmly. Instantly released or locked by a slight movement of the thumb. May also be used as conventional screwdriver. Length, 9¼" overall, with sturdy easy-grip wooden handle.

No.	For Screw Sizes	
B7713	1-6	EACH, **66c**
B7714	8-20	

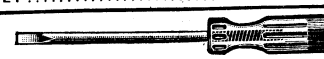
PER SET OF 2..... **$1.22**



NON-SKID SCREWDRIVER

Shock-proof, with ribbed points. Handy fountain pen style with clip. American-made.

B7712. 3-inch blade.
NET **14c**
B7711. 2-inch blade.
NET **12c**
B7710. 1½-inch blade.
NET **10c**



FIRM-GRIP SCREWDRIVERS

Forged chrome-vanadium alloy steel blades, accurately ground to fit screw slot; tough hammer-proof. Amberlite handles. American-made.

B7715. 3 INCH BLADE.
YOUR PRICE **34c**
B7716. 6 INCH BLADE.
YOUR PRICE **43c**
B7717. 8 INCH BLADE.
YOUR PRICE **52c**



INSULATED BLADE SCREWDRIVER

A 5 inch screwdriver with attractive mottled red and black composition handle, designed to give a comfortable, sure grip. High quality steel blade is insulated almost its entire length; withstands 10,000 volts. American-made.

B7718. YOUR PRICE..... **16c**



MUELLER SNAPPER

May be used to start nuts and screws in out-of-the-way places; serves as test clip in inaccessible spots, or may be used as a prod contact. Consists of universal clip mounted in a long insulated tube. Push-button on the top opens and closes clip. American-made.

B6483. RED.
B6484. BLACK. EACH **38c**

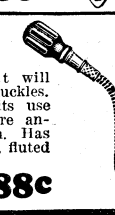
HANDY LOW COST SCREWDRIVER KIT



A popular kit of three screwdrivers in the most useful sizes. Comes in convenient leatherette holder for shop wall mounting. Each screwdriver has insulated handle and finger guard. Blades measure 5½", 3½", 2⅜". American-made.

B7719.
NET PER SET..... **38c**

FLEXIBLE SHAFT SCREWDRIVER

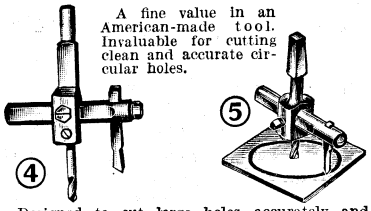


Here is a screwdriver that will eliminate a lot of skinned knuckles. Special flexible shaft allows its use in many awkward places where another screwdriver couldn't reach. Has insulated movable screw locator, fluted molded handle. 8¾" long.

B7739.
YOUR PRICE **88c**

Quality TOOLS for Every Purpose

CIRCLE CUTTERS



A fine value in an American-made tool. Invaluable for cutting clean and accurate circular holes.

Designed to cut large holes accurately and quickly. May be used in slow-speed drill press or hand-brace. Ideal for radio set builders, servicemen, carpenters. Type No. 5 is designed for heavy-duty work; Type No. 4 is a standard professional cutter, heavy bar construction; Junior type is for light work on softer materials. Will cut holes in wood, bakelite, hard rubber, tin, sheet metal, etc.

B7731. No. 4. Cuts holes 1 to 4" in diam. NET.... **$1.29**

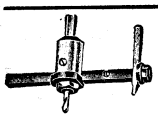
B7730. Junior. Cuts holes ⅝ to 2½" in diam. NET..... **78c**

B7732. No. 5. Square shank. Cuts holes 1 to 5½" dia. NET.... **$1.88**

B7733. No. 5. Round shank. NET..... **$1.88**

B7735. Extra cutter blades for No. 4 and No. 5. Hardened tool steel. EACH **24c**

ICA ALL-PURPOSE CIRCLE CUTTER



An improved circle cutter that cuts holes from ¾" to 8". High quality hardened steel. Hexagon shaft fits either brace or drill chuck. Easy adjustment of cutter. Cuts metal, bakelite, wood, etc.

B1615. YOUR PRICE..... **$2.35**

GOODELL-PRATT HAND DRILL



Highly serviceable with solid steel frame and single speed, cut gears. Equipped with three-jawed chuck holding any size drill up to ¼". Large gear, red enameled. Mahogany finished hardwood handle. Solidly built to give good service. A rare value in a good American-made tool. Length, 10⅝ in. Shpg. wt., 3 lbs.

B7721. YOUR PRICE **81c**

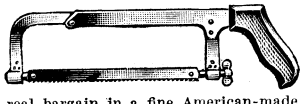
ASSORTED DRILL SET



A real value. High quality twist drill set containing the popular sizes necessary for radio and other work. Set consists of 9 carbon steel drills ranging from 1/16 to 3/16 sizes in 1/64 inch size graduations. American-made.

B7720. NET..... **95c**

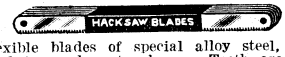
PISTOL GRIP HACKSAW



A real bargain in a fine American-made tool. The handle is made of wood, shaped for easy gripping; very sturdy, and highly polished. The heavy, rigid frame is fully nickel-plated and is adjustable to accommodate all blades from 8 in. to 12 in. size. With 8 in. blade.

B7722. YOUR PRICE **42c**

QUALITY HACKSAW BLADES



Flexible blades of special alloy steel, heat-treated to produce toughness. Teeth are case-hardened, set and filed. 24 teeth per inch.

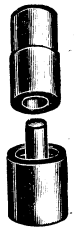
B7724. 8" BLADE. YOUR COST, PER DOZEN..... **45c**

B7725. 10" BLADE. YOUR COST, PER DOZEN..... **55c**

B7726. 12" BLADE. YOUR COST, PER DOZEN..... **68c**

QUALITY PUNCHES

SOCKET AND CONDENSER PUNCHES



Punches clean round holes in sheet metal (chassis bases, panels, etc.). Easy to use, saves time; no pre-drilling necessary. Made of highest grade rustproof hardened steel to give lasting service. New pin-point center piercing pin cuts through without drilling; contour edges cut clean, accurate holes. All punches are die-reamed and oil-tempered. These punch sets are all American-made.

B1649. For ½" Holes. YOUR PRICE **$1.06**

B1645. For 1⅜" Holes.
B1646. For 1⅝" Holes.
B1647. For ⅞" Holes.
B1648. For ¾" Holes.
$1.69
List, $3.00.
YOUR PRICE EACH.....
SET OF 5 PUNCHES..... **$7.50**

CLIPTITE SOCKET PUNCHES

Especially designed to cut out holes for the "Clip-Tite" tube sockets. Provides locking key for socket.

B1641. 111/64"-Standard.
B1642. 121/64"-7M and 7 Comb.
YOUR PRICE EACH..... **$2.94**

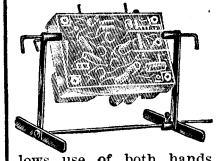
ICA RIVET & EYELET PUNCH SET



A universal tool for resetting any size eyelet or rivet. Heavy cast-iron anvil has hexagon sides; may be clamped in vise. Setting tools of hardened steel produce clean, factory-like job.

B1616. NET **$1.32**

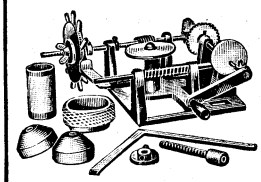
ACRO CHASSIS CRADLE



Holds any radio set chassis in any position rigidly and safely. Prevents damage to tubes, coils, dials, etc. Allows use of both hands for repairs. Quickly and easily adjusted by means of movable vise-like clamps. Solid, sturdy construction. Will speed up your repair jobs.

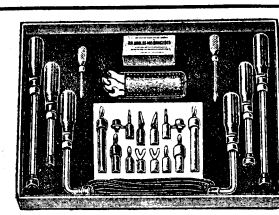
B1617. YOUR PRICE..... **$4.75**

MORRIS COIL WINDER



Universal coil-winding machine. Will wind Honeycomb, Spider Web, Solenoid coils, etc., in different widths and diameters and will handle wire of different gauges. Makes precision coils that equal factory accuracy. Has recorder with adjustable pointer for counting number of turns. An ideal machine for the experimenter or small factory. Shpg. wt., 4 lbs.

B9302. List, $7.50. NET.... **$4.35**

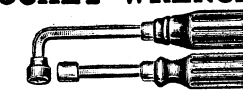


NEW SERVICE KIT

Includes the following: **2 long prod handles, 2 short prod handles, 2 phone tips, 2 phone tip jacks, 2 spade lugs, 2 alligator clips, 6 ft. red and black flexible wire; 2 insulated screwdrivers (1½" and 2½"); 6 socket wrenches (2—6", 2—9", 2—offset type); hardware kit (tips, jacks, grid caps); leather kit of 3 open end wrenches; 3 in 1 neutralizing tool, and compensating screwdriver.**

B2107. List, $5.50. NET.... **$2.95**

SOCKET WRENCHES

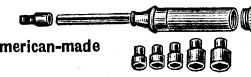


SPIN-TYPE WRENCHES

A complete selection of high grade hexagonal socket wrenches for every radio requirement. Sockets are of hardened tool steel designed to grip surely. Shanks are of heavy cadmium-plated steel with ribbed easy-to-grip wooden handles. Offset type is for reaching into tight places. Sizes listed will handle all standard nut sizes used in radio work. American-made.

Nut Size	6" Straight	9" Straight	6" Offset
3/16"	B2055	B2062	B2069
¼"	B2056	B2063	B2070
5/16"	B2057	B2064	B2071
⅜"	B2058	B2065	B2072
7/16"	B2059	B2066	B2073
½"	B2060	B2067	B2074
NET EACH.....	**10c**	NET EACH.....	**12c**
Set of 6.....	52c	Set of 6.....	62c

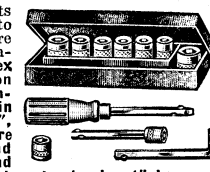
HOLLOW HANDLE WRENCH SET



Ideal for shop and tool bag. Hollow handle holds all sockets. Sizes ¼", 5/16", ⅜", 7/16", ½" and screwdriver socket. 7½" long. Handle heavily knurled for good gripping surface. White nickel finish.

B7737. YOUR PRICE..... **54c**

LOCK-SOCKET WRENCH SET AND SCREWDRIVER



A set of 9 sockets in assorted sizes to handle hex, square and round nuts. Consists of **1—¼" hex socket mounted on 3¾" straight extension; 5 hex sockets in ¼", 5/16", ⅜", 7/16", ½" sizes, 2 square sockets in ¼" and 5/16" sizes, 1 round nut socket, 1 "L" shaped extension 4" long and 1 screwdriver wrench handle.** Patented locking device holds tools firmly to handle.

B5516. YOUR PRICE..... **85c**

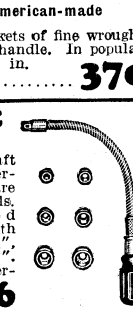
SOCKET WRENCH SET



A set of five detachable sockets of fine wrought steel. Complete with wrench handle. In popular sizes, ¼, 5/16, ⅜, 7/16 and ½ in.

B7690. YOUR PRICE..... **37c**

FLEXIBLE DRIVE SOCKET SET



Flexible laminated steel shaft will bend around corners. Permits handling of nuts which are inaccessible to ordinary tools. Has comfortable fluted wood handle, 10" long; equipped with six hexagon sockets sizes 3/16", ¼", 5/16", ⅜", 7/16" and ½". Nickeled sockets easily interchangeable.

B7738. NET.. **$1.76**

RADIO TOOL CHEST

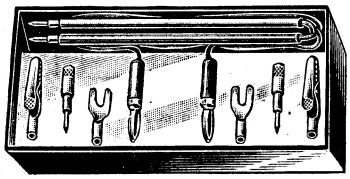


This handy chest contains 10 handy, sturdy tools for the service man or set-builder. Consists of: 3" and 5" screwdrivers, scriber, reamer, countersink, pliers, center-punch, socket wrench sets for hexagon and knurled nuts, and 3 hexagon nut wrenches from ¼ to ½". Wt., 2 lbs. American-made.

B7691. NET **$2.25**

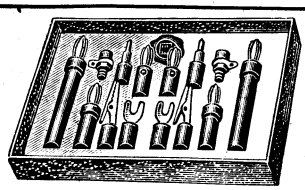
NEUTRALIZING TOOLS • TEST LEADS

LATEST SERVICE TEST LEADS AND TEST KITS



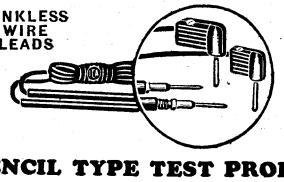
PENCIL PROD TEST KIT

A serviceable kit that meets every testing need. Handles are 6" long with 5 foot leads attached to banana type plugs. Each kit contains 2 alligator clips, 2 needle point tips, and 2 spade lug tips, all of which fit tightly on banana tips of test leads. Interchangeable tips make this kit ideal for all types of testing.
Wt. 1 lb.
B2106. List, $1.50. NET..... **72c**



AMERICAN TEST KIT

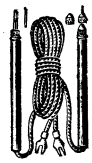
A complete test kit with innumerable uses. Consists of: 2—4", 2—2½" and 2—1¾" test prod handles with banana type plugs, each pair red and black; 2 needle-point, 2 alligator clip and 2 spade lug solderless tips—designed to fit banana plugs of handles. Also 1 red, 1 black banana jacks.
B2121. YOUR PRICE..... **$1.15**



PENCIL TYPE TEST PRODS

High-quality test leads for use with all test equipment. 5" handles are made of red and black insulating material, with fine flexible soft rubber kinkless wire. The sharp-pointed penetrating tip is threaded and screws into the handle, projecting one inch. All connections are properly soldered, providing the low resistance connections that are vital in precision test work. Molded finger grips with phone tips are provided with set screws for easy renewal of wire. The total length of the leads and handles is 65 inches.
B5530. YOUR PRICE..... **73c**

NEEDLE-POINT TEST LEADS



Equipped with needle points for making good contact through insulation or pitch. 4" handles; ⅜" thick. 45" leads.

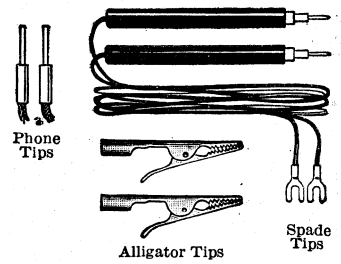
WITH KINKLESS WIRE LEADS

B5496. Phone Tips.
B5497. Spade Tips.
PER PAIR **29c**
B5498. Alligator Terminals. PER PAIR.... **36c**



SOLDERLESS TEST PRODS

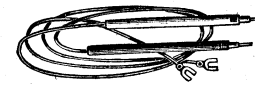
Needle-point test prod with insulated handle. Completely solderless. Wire clamps tightly in prod. 5¼" long.
B5471. Red.
B5472. Black. Each **15c**



HEAVY DUTY LAB MODEL WITH KINKLESS WIRE LEADS

All-purpose leads for practically any test need. Flexible, rubber-covered kinkless wire fitted into heavy 7/16 inch handles, one red and one black. Handles are 5½ inches long with pointed tips. Leads are 40 inches long.

B5490. Phone Tips..... } PER
B5491. Spade Tips..... } PAIR **42c**
B5492. Alligator Terminals,
PER PAIR **53c**



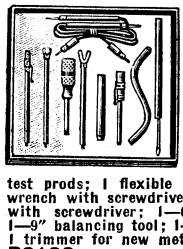
SERVICE TEST LEADS

Popular test prods with solderless phone tips. 4" handles; ⅜" thick. 45" wires. Prod wire is securely tightened by knurled nut.

WITH KINKLESS WIRE LEADS

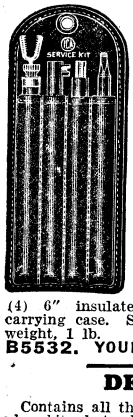
B5493. Phone Tips..... } PER
B5494. Spade Tips..... } PAIR **25c**
B5495. Alligator Terminals.
PER PAIR **35c**

ALIGNING AND NEUTRALIZING TOOLS



ALIGNMENT TOOL KIT

Here is a tool kit that every Serviceman should have. Provides the correct tool for neutralizing or aligning any type of receiver. Contains: 1 pair test prods; 1 flexible tuning wand; 1 alligator wrench with screwdriver tip; 1—¼" socket tool with screwdriver; 1—6" insulated screwdriver; 1—9" balancing tool; 1—3-in-1 neutralizing tool; 1 trimmer for new metal tube sets.
B2122. YOUR PRICE..... **$2.75**



NEUTRALIZING AND ALIGNING TOOL KIT

Has a tool for every type of receiver. 12 separate parts cover multiple functions. These units telescope into each other forming four separate tools for easy carrying in handy leatherette vest pocket case. Includes: (1) alligator wrench; 6" insulated screwdriver with metal nib; 5/16" and ¼" nut wrench; (2) ¼" square nut wrench; ¼" hex. side wrench; 2½" screwdriver with metal nib; (3) ¼" hex. slotted wrench; metal screwdriver; 5/16" hex. nut wrench; 5" screwdriver with metal nib; (4) 6" insulated screwdriver. Complete with carrying case. Shipping weight, 1 lb.
B5532. YOUR PRICE..... **$2.30**

DE LUXE KIT

Contains all the high quality tools in the regular kit, but also includes 2 new items, the magic tuning alignment tool and the newly developed flexible screwdriver. These tools are indispensable for aligning the new all-wave sets with their small coil and trimmer assemblies. Complete with leatherette pocket case with belt loops.
B5529. YOUR PRICE..... **$2.94**



METAL NIB NEUTRALIZING TOOL

Two valuable tools. One is a 6"x⅜" tube, on each end of which are heavy brass nickel plated socket wrenches for 5/16" and ¼" hex. nuts. The other tool fits into the tube tool. Has a strong screwdriver blade at one end with the other end of special magnetic steel.
B5528. YOUR PRICE..... **69c**

FLEXIBLE SHAFT TUNING WAND

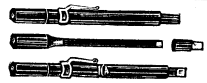


Excellent for checking alignment of radio sets without disturbing the adjustment of the trimmers. Shaft is of flexible catgut; brass cylinder at one end, fine iron core at other.
B5534. YOUR PRICE..... **59c**



NEUTRALIZING WRENCH

Hex broaching runs entire length. End may be cut off when worn. Fibre rod. Fits ¼" nut.
B5473. 5½ INCH..... **14c** | **B5474.** 8 INCH..... **16c**



5-IN-1 ALIGNMENT TOOL

A handy alignment tool kit that will serve innumerable uses. Consists of ⅛" and 5/16" nut wrenches, miniature blade screwdriver, and a full-size screwdriver with pocket clips. Wt., 4 oz.
B5527.
YOUR PRICE **69c**



AUTO RADIO TUNING WRENCH SET

Permits aligning or tuning set in car or on service bench without removing control head. 10 high quality steel tools match shaft connections on most popular auto sets. In neat leatherette roll.
B2109. YOUR PRICE **$4.41**



4-IN-1 SERVICE Alignment Tool

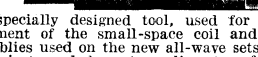
Combines in one fountain pen size tool 4 Serviceman's necessities—¼" and 5/16" nut wrenches, neutralizing screwdriver and key slot grip. Insulated handle with pocket clip.
B5523. Shpg. wt., 3 oz.
YOUR PRICE **29c**
B5524. Crosley attachment.
B5525. Majestic attachment.
EACH **10c**



BALANCING ATTACHMENT

Neutralize any set without removing chassis. May be screwed into 4 in 1 above. Only 2½" long. Ideal for working in close quarters. Offset ¼" hex. socket; steel neutralizing screwdriver.
B5526. YOUR PRICE **23c**

PHILCO, RCA, SET TRIMMERS



A specially designed tool, used for precision alignment of the small-space coil and trimmer assemblies used on the new all-wave sets. Screwdriver is turned down to a diameter of 7/32" for a depth of 1¼" so that it will easily pass through a ¼" hole. Other end is 5/16" hex. nut wrench with external metal reinforcing band.
B5535. 6" Trimmer.
YOUR PRICE **44c**
B5536. 10" Trimmer.
YOUR PRICE **59c**

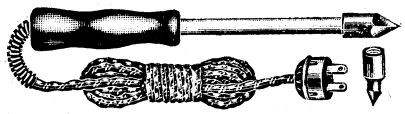


INSULATED NEUTRALIZING SCREW DRIVER

This handy tool has a grip-rite handle with pocket clip. Completely insulated. Ideal for neutralizing and alignment work. A useful tool for servicemen. Colorful insuloid construction. 5½ inches long. Narrow 5/16 inch diameter enables this screw driver to be used in tight places.
B5503. YOUR PRICE..... **18c**

SOLDERING IRONS *and* ACCESSORIES

COMPLETE WITH 2 SCREW-ON TIPS



KNIGHT SOLDERING IRON
55 WATT MODEL

A well-designed high quality KNIGHT 55 watt iron suitable for every service use. Has a dependable wire-wound element in a ceramic tube. Heats up quickly; stays hot. Two types of tips are supplied with iron to handle all work from fine soldering to tinning of chassis bases. Tips are ⅜ and 9/16" in diameter, 1½" long. The well-shaped handle remains cool even when iron is continuously used. Equipped with 5 foot heater cord and rubber plug. This KNIGHT iron is an outstanding value at our price.

B6005. YOUR SPECIAL PRICE..... **65c**

100 WATT KNIGHT SOLDERING IRON

A high quality all-purpose iron. Has ⅞ inch diameter removable (screw-on) copper tip. With black insulated handle and 6 foot heater cord. You get your money's worth in this fine iron.

B6006. YOUR SPECIAL PRICE..... **97c**

KESTER SOLDERS

Compounded of the highest grade tin and lead available. Flux filling assures perfect permanent joints free from corrosion. Widely used by servicemen. The finest solder that can be bought. Save money by buying the handy one pound spool.



ACID CORE

Of purest virgin metal with properly prepared acid flux core.

B6175. 1 Lb. Spool.. **64c**
B6176. Per Tin..... **15c**

ROSIN CORE

Kester Solder with pure plastic rosin core flux.

B6177. 1 Lb. Spool.. **64c**
B6178. Per Tin..... **15c**

ALUMINUM

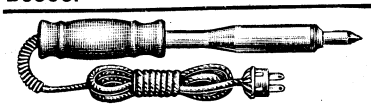
A flux-filled Solder that will absolutely solder Aluminum.

B6179. 1 Pound Spool.... **$1.99**
B6180. Per Tin..... **17c**

KESTER SOLDERING PASTE

A new improved soldering paste. Does a clean, non-corrosive job of soldering. Excellent for radio work.

B6181. 10 FOR $1.05. PER TIN..... **12c**



DRAKE SOLDERING IRONS

Underwriters Tested and Approved. A sturdy dependable iron for all shop or Service requirements. With an "Easy-Grip" non-tiring wood handle. Heating elements are of highest-grade nichrome wire wound on genuine amber mica; reaches soldering heat quickly. Removable plunger type tip with set screw adjustment. With 6 foot approved cord and unbreakable plug.

B2203. 80 WATT. Length 13"; tip diameter ⅜". Wt., 1½ lbs.
List, $3.15. YOUR PRICE..... **$1.85**

B2204. 100 WATT. Length 12½"; tip diameter ⅜". Wt., 1½ lbs.
List, $3.75. YOUR PRICE..... **$2.20**

B2205. 200 WATT. Length 14"; tip diameter ⅝". Wt., 2 lbs.
List, $7.50. YOUR PRICE..... **$3.95**



AMERICAN BEAUTY SOLDERING IRONS

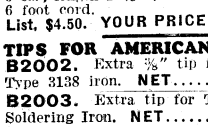
B2000. Type 3138. Adapted for production work on radio, ignition, telephone, etc. 100 Watt; 16 oz.; length 12⅞"; tip dia. ⅜". 6 foot cord. Wt., 1½ lbs.
List, $7.20. YOUR PRICE..... **$5.85**

B2001. Type S-76. Light and compact. Heats quickly. Screw type removable tip. 50 Watt. 6 oz.; length 11⅝"; chisel point tip 7/16". With 6 foot cord.
List, $4.50. YOUR PRICE..... **$3.45**

TIPS FOR AMERICAN BEAUTY IRONS

B2002. Extra ⅜" tip for Type 3138 iron. NET..... **39c**

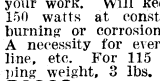
B2003. Extra tip for Type S-76 Soldering Iron. NET..... **21c**



DRAKE VARIABLE HEAT CONTROL

A new variable heat control that will regulate the heat of your soldering iron. A convenient toggle switch, mounted on the base of the stand, instantly selects the heat required for your work. Will keep any soldering iron up to 150 watts at constant desired heat; prevents burning or corrosion of tip due to overheating. A necessity for every service bench, production line, etc. For 115 Volts A.C. or D.C. Shipping weight, 3 lbs.

B2202. YOUR PRICE..... **$2.23**



7-INCH SOLDERING IRON HOLDER

A sturdy, well-built soldering iron holder measuring 7 inches long. Solidly constructed. Useful in the shop, lab, or on service calls. Prevents scarred or burned surfaces.

B2206. YOUR PRICE..... **12c**



ICA SOLDERING IRONS

A new, practical soldering iron, well-designed and properly built. Heating element is of the highest quality resistance wire, wound on heat resisting bobbin of machined and threaded Insulex. Will heat in three minutes. Handle remains cool even after the iron has been on for hours. Plunger type tip is easily removed for cleaning or replacement. A heavy set screw keeps tip firmly in place, and provides for adjustment of tip length. With cord and plug. Reasonably priced. Will give long reliable service. A real iron for men who want the best.

B5520. 60 WATT. Developed for radio work. Shpg. wt., 2 lbs.
List, $3.75. YOUR PRICE..... **$1.89**

B5521. 110 WATT. Heavy Duty type; has 7/16" plunger type tip of adjustable length. Shpg. wt., 2 lbs.
List, $5.50. YOUR PRICE..... **$2.65**



MARVEL ELECTRIC SOLDERING IRON

A neat, compact soldering iron of high quality construction. Wide acceptance and great volume production make our remarkable low price possible. This soldering iron should be in every serviceman's kit. Only 10 inches long. For 110 volt A.C. or D.C. operation. Ideal for all radio work. Easy to use; retains heat efficiently, but cools quickly when it is disconnected from line.

UNDERWRITERS' APPROVED

This quality iron has a Nichrome wire element, mounted in a twin sleeve porcelain tube. Equipped with a good quality copper tip, two inches long. With brown finished well-designed stay-cool handle and 3 foot Underwriters' approved flexible cord. A well-balanced unit. Suitable for general radio and light soldering work. A value that is unbeatable.

B6008. NET EACH, YOUR PRICE..... **28c**
YOUR PRICE PER DOZ. **$3.05**



GARDINER RADIO SOLDER ROSIN CORE

A new rosin-core solder especially developed for delicate electrical and radio work. Pure rosin-core flux assures freedom from corrosion. Makes dependable lasting joints. Can holds 3 to 4 oz. This reliable solder will give excellent results and save money.

B6183. PER CAN **12c**
B6184. 1 LB. SPOOL..... **62c**



JACKSON SOLDERING IRONS

A high grade line of electric soldering irons. Elements are wound on amber mica insulation over steel core. Available with plunger tips or with removable screw tips. All types are supplied with 6 foot cords. Shpg. wt., 1½ lbs., each.

WITH PLUNGER TYPE TIP

B6000. 75 Watt. With 5/16" copper rod tip with set screw. Nickel-plated tube.
YOUR PRICE **$1.76**

B6001. 100 Watt. With ⅜" copper tip. 12½" long, with removable black handle. YOUR PRICE..... **$2.40**

B6002. 150 Watt. With 7/16" copper tip with set screw. 12" long.
YOUR PRICE **$3.80**

WITH REMOVABLE SCREW TIP

B6003. 75 Watt. With 7/16" removable copper tip. 12" long. Nickel-plated tube. YOUR PRICE..... **$1.20**



MAGIC STYLUS SOLDERING PENCIL

A new, small, easy-to-handle soldering tool, ideal for soldering small parts in hard-to-get-at corners. Heats quickly. Insulated handle with cork finger guard provides cool handling always. Tip is easily removed for cleaning or replacement. With 5 ft. cord. Underwriters' Approved.

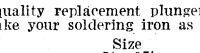
B6150. 110 VOLT A.C. OR D.C.
B6151. 6 VOLT D.C. (Storage Battery.)
NET EACH **72c**



"HOT-SPOT" 75 WATT IRON

An inexpensive, well-built soldering iron. Ideal for both radio service and construction work. Comes to full heat quickly; heat is concentrated at the tip, where it is needed most. Solders cleanly and effectively. Approved by the Underwriters' Laboratories. Supplied with ½" diameter removable, screw-type, tinned copper tip and soldering iron holder. Complete with heavy-duty A.C. line cord and unbreakable soft rubber line plug.

B2201. YOUR SPECIAL PRICE..... **$1.47**

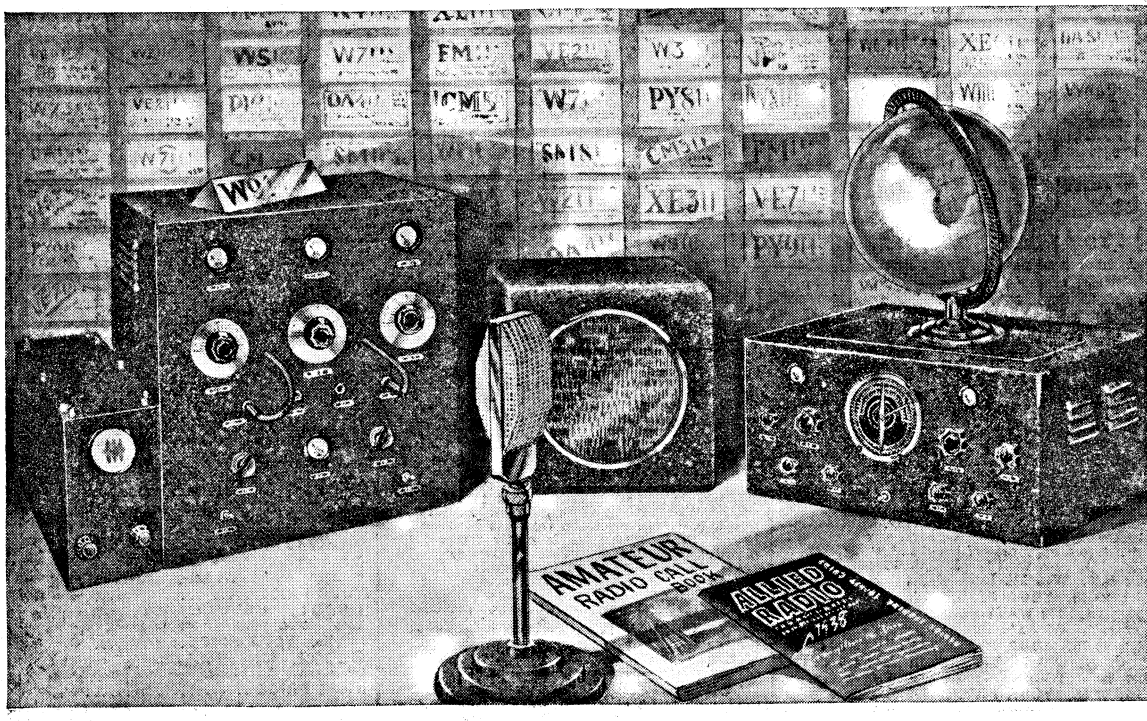


SOLDERING IRON TIPS

High quality replacement plunger type copper tips. Make your soldering iron as good as new.

No.	Size	NET EA.
B5997	5/16x2⅞	30c
B5998	⅜x4½	38c
B5999	½x3¼	45c

"A Fine Rig... A Swell Shack... THANKS TO ALLIED" *



* That's a characteristic expression from many of the thousands of licensed Amateurs who are regular *ALLIED* customers. There's a good reason for it, too,—because *ALLIED* is the *Complete* Radio Supply Headquarters for Amateurs all over the world. Amateurs everywhere—from Alaska to Zanzibar—have come to depend on *ALLIED* for complete station equipment from the basic rig to the newest super-gadgets.

ALLIED IS MORE THAN JUST A SUPPLY HOUSE

Certainly, *ALLIED* stocks complete lines, offers you fastest service and lowest prices. And, of course, *ALLIED* can supply any special equipment not regularly catalogued. But besides all this, *ALLIED* is a real co-worker with you. Beginners and old-timers alike get a world of help from *ALLIED'S* Amateur staff—authoritative advice, valuable suggestions, and accurate solutions to knotty radio problems. Use *ALLIED* equipment—make *ALLIED your* Amateur Headquarters—for "A Fine Rig . . . A Swell Shack" for yourself, too.

Pictured above is a typical station furnished completely from *ALLIED'S* tremendous regular stock of Amateur gear. In the pages of this catalog you'll find radio's most extensive line of high quality Ham equipment, from a grid-cap to a ½ KW transmitter. We bring Amateurs the world over, a complete line of carefully selected transmitting and receiving gear—equipment that we know will meet the high standards of modern Amateur communication and will produce more real results per dollar invested. It's Hamfest every day in your *ALLIED* catalog. Keep it handy—refer to it when you are in the market for:

Oscilloscopes. For checking complete transmitter and receiver operation. See pages 23-30, 117 for latest types.

Transmitters. The newest Utah, All-Star, R.T.L., and RCA models. Complete rigs from a 5-meter job to a 500 watt CW-Phone unit. See pages 119, 120 for transmitter descriptions and listings.

Speakers. Finest Jensen, Utah, Knight, R.C.A., Wright-DeCoster, and Cinaudagraph products. Every type and model to work with every Ham receiver. Turn to pages 87, 88, 95, 96 for complete listings.

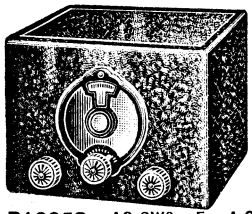
Receivers. A complete array of the leading Amateur sets. Every famous make—National, R.M.E., Hammarlund, Hallicrafters, R.C.A., and Sargent—completely illustrated and described on pages 115 to 122.

Microphones. Shure, Astatic, Universal, and Amperite mikes in carbon, velocity, and crystal types. A mike for every rig. See pages 89, 90, 91.

Amateur Call-Book. The comprehensive directory for all Hams and SWL's. See page 139 for a complete listing of every indispensable Amateur and Short Wave manual.

Your ALLIED Catalog. Everything you need to build up the perfect shack is listed in this complete Catalog—the Radio Amateur's Buying Guide. Whether you're building, rebuilding or planning new equipment, you can rely on the *ALLIED* Catalog for everything you'll want. Use this *complete* Catalog regularly. Keep it on your table for ready reference.

NATIONAL SHORT WAVE EQUIPMENT



NATIONAL SW-3 RECEIVERS

A favorite with Amateurs and SW Fans the world over. Uses a highly efficient TRF circuit with single tuning control. Smooth noiseless regeneration permits setting at point of maximum sensitivity without "spilling over." Vernier type, variable ratio dial provides either fast, medium or slow tuning. Volume control is calibrated in "R" units. Crinkle-finish steel cabinet is only 9¾x9x7". Wt., 17 lbs.

B10053. AC-SW3. For A.C. operation. Uses 2—58 and 1—27 tubes. Less coils, tubes and power supply.

B10054. 6DC-SW3. For 6 volt D.C. operation. Requires 2—36 and 1—37 tubes. Supplied less tubes, coils and batteries.

B10055. 2DC-SW3. For 2 volt battery operation. Uses 2—32 and 1—30 tubes. Less coils, tubes and batteries. **$21.00**

YOUR PRICE EACH .....

SW-3 COILS

Low-loss plug-in type coils for the National SW-3 receivers. Wound on R39 coil forms with finger rim for easy handling. **Series "10" Coils** are for use in the original A.C. and D.C. SW3, A.C. SW5, A.C. SW45. **Series "60" Coils** are for use in present model A.C. SW3 and A.C. SW58. Both general coverage and Bandspread types of coils are available for full coverage.

General Coverage Coils			
10 Series NO.	60 Series NO.	Meter Range	NET PER PAIR
B1415	B1425	9-15	
B1416	B1426	13.5-25	
B1417	B1427	23-41	
B1418	B1428	40-70	$3.00
B1419	B1429	65-115	
B1420	B1430	115-200	
B1421	B1431	200-360	
B1422	B1432	350-550	$3.30
BAND-SPREAD COILS			
B1435	B1440	10	
B1436	B1441	20	
B1437	B1442	40	$3.00
B1438	B1443	80	
B1439	B1444	160	

PLUG-IN POWER PACKS FOR SW-3

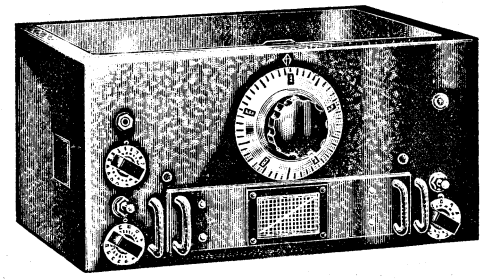
For use with the National SW3 receivers. Provide correct plate voltage for proper operation. Type 5880 also supplies 2.5 volts A.C. for tube filaments.

B10056. Type 5880 AB Power Supply. Requires 80 tube. For 110 volts 60 cycles A.C. Less Tube.

List, $29.50. NET..... **$17.70**

B10057. Type 3580 "B" Power Supply. Has electrostatic shield and double section filter. Supplies 4 "B" voltages, 22-45 V., 45-90 V., 90-135 V., and 180 V. Uses 80 tube.

List, $22.50. NET..... **$13.50**



HRO "JUNIOR" AMATEUR RECEIVER

A communication receiver with all the features of the HRO Standard except for tuning meter and crystal filter. Maximum gain and high signal-to-noise ratio attained with two tuned R.F. stages and two air-tuned I.F. stages. Accurately calibrated ganged plug-in coils. Micrometer dial with 500 divisions assures ample bandspread (although not as great as the HRO Senior). The HRO Junior is supplied with coils tuning from 10 to 20 meters (2 amateur bands). Additional coils listed below. Housed in a black crystal steel cabinet, 8¾x16¾x10". Shpg. wt., 35 lbs. **Our Time Payment Plan makes it easy to own an HRO Junior. Write for details of attractive easy-to-pay terms.**

B10065. For 2.5 Volt A.C. operation. Supplied complete with RCA tubes (4—58, 3—57, 1—2B7, and 1—2A5), and one set of coils (10 to 20 meters). Less speaker and power supply.

B10066. For 6 Volt Battery operation. Supplied complete with RCA tubes (4—6D6, 3—6C6, 1—6B7, and 1—42) and one set of coils covering the Amateur 10 and 20 Meter bands. Less speaker and batteries.

List, $180.00.

YOUR PRICE EITHER MODEL..... **$108.00**

DYNAMIC SPEAKER

B10067. A high quality 8" P.M. type speaker mounted in attractive table model metal cabinet. NET. **$14.10**

AB POWER PACK

B10046. Type 5897 AB. For use with 2.5 volt model HRO Junior. For 110 V. 60 Cycles A.C. Less 80 tube. Wt., 16 lbs. NET..... **$15.90**

HRO JUNIOR COILS

B1400. Set of coils covering the Amateur 40 and 20 meter bands, 7 to 14.4 M.C.

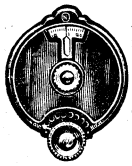
B1401. Set of coils covering the Amateur 80 and 40 meter bands, 3.5 to 7.3 M.C.

B1402. Set of coils covering the Amateur 160 and 80 meter bands, 1.7 to 4 M.C.

PER SET **$9.90**

COMPLETE SELECTION OF NATIONAL DIALS

TYPE "B" 4"



A compact dial with a smooth variable ratio drive. Dial scale is read through a window in the black bakelite case.

B1525. Scale 0-100-0, 180°. Rotates in either direction.

B1526. Scale 200-0, 360°, counter-clockwise.

NET EACH **$1.65**

B1527. Illuminator for dial, with bracket.

List, 50c. NET..... **30c**

TYPE "BM" 3"

Smaller than the "B" dial; similar in appearance, but with fixed ratio vernier.

B1528. Scale 0-100-0, 180°, universal.

B1529. Scale 200-0, 360°, counter-clockwise. EACH..... **$1.50**

TYPE "N"



Precision dials, with machine-divided scales and verniers of solid German Silver. Dial is 4" in diameter with a smooth planetary mechanism; 5 to 1 ratio.

B1530. Scale 0-100, 180°, c. c.

B1531. Scale 100-0, 180°, clockwise.

B1532. Scale 150-0, 270°, clockwise.

B1533. Scale 200-0, 360°, counter-clockwise. EACH..... **$4.05**

TYPE HRO 1⅝" DIAL



B1534. Neat etched silver dial as used on the HRO receivers. Marked 0-10 over 180° clockwise. 1⅝" diam.; for ¼" shaft. NET **45c**

TYPE "A" 4" DIAL



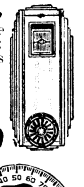
Exceptionally smooth "Velvet Vernier" dial, entirely free from backlash. Self-contained vernier mechanism. Ratio 5:1. Black bakelite, 4" diam.

B1536. Scale 0-100, 180° Counter Clockwise.

B1537. Scale 150-0, 270° Clockwise.

YOUR PRICE EACH..... **$1.80**

TYPE "H" DRUM DIAL



Has positive dial cord drive. Scale is projected on ground glass screen; no parallax. Operates at right angles to condenser shaft.

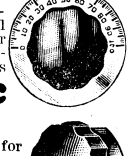
B1539. Scale 0-100, 180°, c.c.

B1540. Scale 100-0, 180°, c.

B1541. Scale 150-0, 270°, c.

NET EACH **$3.30**

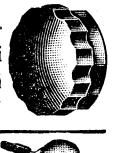
TYPE "O" 3½" DIAL



B1543. Attractive circular-grained German Silver dial 3½" diam. Reads 0-100 over 180° C.C. Large fluted finger-grip knob for easy tuning. Fits all ¼" shafts.

NET **90c**

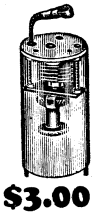
"HRK" KNOB



Large, full-grip tuning knob for use with receivers, transmitters, etc. 2⅜" in diameter with fluted edge. Easy to use; non-tiring. Polished bakelite finish. Fits all ¼" shafts.

B1545. NET **51c**

AIR-TUNED I. F. TRANSFORMERS

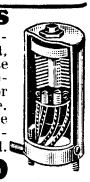


Efficient IF transformers with air dielectric condensers. Steatite insulation; aluminum plates. Coils are Litz wound. Adjustments are on top of shield can. Oscillators are tuned by a knob.

B1462. 450-550 KC IF.
B1463. 450-550 KC Beat Osc.
B1464. 175 KC IF.
B1465. 175 KC Beat Osc.

List, $5.00. NET EACH **$3.00**

DIODE TRANSFORMERS

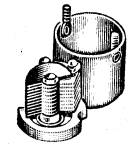


Special units with air-tuned primary and close-coupled, untuned, push-pull secondary. Designed for use in noise-silencing circuits, or in detector and AVC combinations for coupling to a diode detector tube. Tunes 450 to 550 K.C. Isolantite mounted and thoroughly moisture-proofed. Enclosed in aluminum shield.

B1469. List, $3.50.

YOUR PRICE **$2.10**

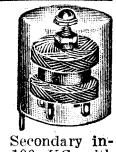
AIR-TUNED PADDERS



Extremely compact, sturdy condensers for use in high-frequency receivers, or in fixed-tune stages of low-power transmitters. Aluminum shield, 1¼" diam., 1¾" to 1½" high.

No.	Mmf.	NET
B1472	75	$1.35
B1473	100	1.50

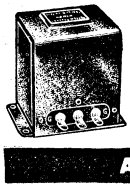
LOW FREQUENCY OSCILLATOR COIL



For use in super-regenerative receivers as interruption-frequency oscillator. Consists of two separate inductances, closely coupled, mounted in an aluminum shield. Mounts easily by means of two spade lugs. Secondary inductance is 6.25 mh. Tunes to 100 KC with .00041 mfd. condenser.

B1476. List, $1.50. NET..... 90c

S-101 AUDIO COUPLER



A high-gain unit for coupling output of screen grid detector to grid of audio tube. Consists of 700 henry plate coupling choke, .01 coupling condenser and .25 megohm resistor in metal case.

B1485. NET **$3.60**

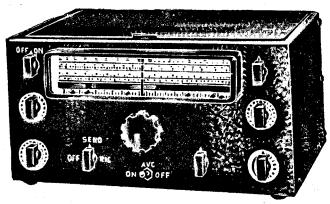
GRID CAPS



Unique construction assures perfect continuous contact with grid cap of tube.

B1547 For Standard Glass Tubes.
B1548. For All Octal Base Tubes.
NET EACH **3c**
B1549. For Transmitting Tubes.
NET EACH **6c**

NATIONAL Short



NEW NATIONAL NC-80X RECEIVER

A new communications receiver designed for A.C.-D.C. operation, which has many new and exclusive features. Exceptionally high gain, selectivity, and sensitivity are provided by ten of the latest tubes in a new superhet circuit. New 1560 KC IF amplifier assures complete image suppression without R.F. preselection. Tuning range from 550 KC to 30 MC is continuous in four ranges making it ideal for the Amateur, DX enthusiast, or Short-Wave listener. New full-vision dial with multiple scales accurately calibrated; has auxiliary linear scale; equipped with adjustable frequency markers for logging stations, marking band limits, etc. Dial has two vernier reduction rates, 16 to 1 and 80 to 1, each with separate knob.

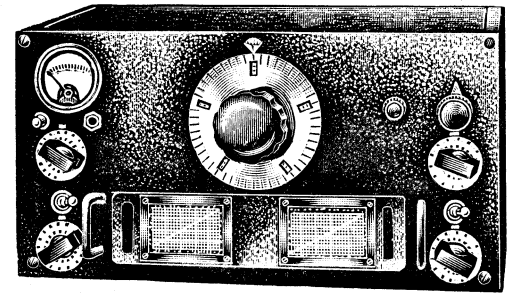
AUTOMATIC COIL SHIFTING

Exceptionally wide bandspread is provided on all tuning ranges, making tuning a pleasure on crowded high-frequency bands. A unique coil arrangement provides automatic coil shifting by means of panel control knob. New National crystal filter has continuously variable selectivity from 400 C.P.S. to 5 KC for sharp tuning of CW or for high quality reception of 'phone signals. Self-contained power supply does away with separate unit; operates at maximum efficiency from any 110 volt A.C. or D.C. supply. Beam power 25L6G output tube supplies 2 watts of undistorted audio to high quality 8" P.M. speaker. The NC-80 uses 1—6L7, 2—6J7, 3—6K7, 1—6C5, 1—6B8, 1—25L6G, and 1—25Z5 tubes. Supplied complete with tubes and 8" P.M. speaker.

B10320. List, $146.65.
YOUR NET PRICE **$87.99**

SPECIAL AMATEUR BAND NC-81X RECEIVER

A completely new communications receiver designed for maximum efficiency on the crowded Amateur bands. Similar to the Model NC-80X as described above but incorporates several features making it an exclusive Amateur model. Tuning range covers only the Amateur bands and does not cover the intermediate short wave frequencies. New mechanical bandspread system will provide adequate bandspread on the 160, 80, 40, 20, or 10 meter bands. Novel design of calibrated full-vision dial makes accurate logging of stations possible. This feature alone is extremely valuable to the Amateur operator who maintains traffic schedules, or to the DX fan; enables the operator to repeatedly retune stations previously logged. New crystal filter with controllable selectivity makes reception of CW or 'Phone signals possible even through severe interference. Has built-in power supply. For 110 Volts A.C. or D.C.
With tubes and high-grade 8" P.M. speaker.
B10321. List, $146.65. **YOUR NET PRICE** **$87.99**



HRO STANDARD AMATEUR RECEIVER

Meets the most exacting requirements of high-frequency communication. Embodies such desirable features as: Two tuned R.F. stages; crystal filter with adjustable selectivity; calibrated ganged plug-in coils; single control tuning; signal strength meter calibrated in "S" units; variable pitch beat oscillator. Micrometer type dial with 20 to 1 worm drive has 500 divisions for absolute bandspread and accurate tuning. Usable sensitivity and selectivity are extremely high with complete suppression of image frequencies. Complete descriptive literature on request.

B10062. FOR 2.5 VOLT A.C. OPERATION. With tubes and coils covering 1.7 to 30 M.C. Less speaker and power supply.
B10063. FOR 6 VOLT BATTERY OPERATION. Complete with 4—6D6, 3—6C6, 1—6B7, and 1—42 R.C.A. tubes. With ganged plug-in coils covering 1.7 to 30 M.C. Less speaker and batteries.
YOUR PRICE, EITHER MODEL **$179.70**

DYNAMIC SPEAKER

B10064. A high quality 8" P.M. type speaker mounted in table model metal cabinet, finished to match the cabinet of the HRO Standard.
NET **$14.10**

EXTRA COILS

Plug-in coil assemblies for the National HRO.

B1404.	175- 400 K.C.	$16.50
B1405.	500-1000 K.C.	12.00
B1406.	900-2000 K.C.	12.00

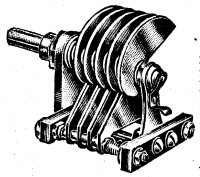
AB POWER SUPPLY

B10046. Type 5897AB. A heavy-duty power supply which supplies all necessary filament and plate voltage for the HRO Standard receiver. Uses 1—80 tube. For 110 Volts 50-60 cycles. Wt., 16 lbs. Less tube.
NET **$15.90**

The HRO Standard receiver may be purchased on our easy Time Payment plan. Write for details.

NATIONAL RECEIVING CONDENSERS

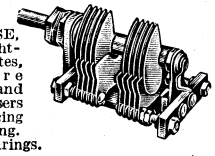
SE 270°



This well-known condenser has straight line frequency plates, 270° rotation. Steatite insulated. Plates and frame are aluminum; two bearing rotor with front bearing insulated. Rotor contact is through constant-impedance pigtail. 15 mmf. and 25 mmf. condensers have thick plates with rounded and polished edges. All other types have cut plates; edges are not polished. Ideally suited for use in all types of high-frequency receivers. Smaller capacity units are especially suited to bandspread circuits.

STOCK No.	CAP. MMF.	NO. OF PLATES	AIR GAP	NET EACH
B1300	15	6	.055″	$1.50
B1301	25	9	.055″	1.65
B1302	50	11	.026″	1.80
B1303	75	15	.026″	1.95
B1304	100	20	.026″	2.10
B1305	150	29	.026″	2.25
B1306	200	27	.018″	2.25
B1307	250	32	.018″	2.40
B1308	300	39	.018″	2.40
B1309	335	43	.018″	2.55

ST 180°



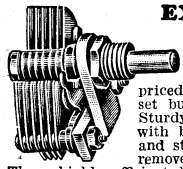
Similar to type SE, but with 180° Straight-Line-Wavelength plates, and somewhat more compact. 15, 25 and 50 mmf. condensers with .018" spacing have single bearing. Others have two bearings.

STOCK No.	CAP. MMF.	NO. OF PLATES	AIR GAP	NET EACH
B1311	15	3	.018″	$0.84
B1312	25	4	.018″	.90
B1313	50	7	.018″	.96
B1314	35	8	.026″	.90
B1315	50	11	.026″	1.08
B1316	75	15	.026″	1.20
B1317	100	20	.026″	1.35
B1318	140	28	.026″	1.50
B1319	150	29	.026″	1.50
B1320	200	27	.018″	1.65
B1321	250	32	.018″	1.80
B1322	300	39	.018″	1.95
B1323	335	43	.018″	2.10

SPLIT STATOR MODELS

B1343	50-50	11-11	.026″	$2.10
B1344	100-100	14-14	.018″	2.70

EXPERIMENTERS TYPE CONDENSERS

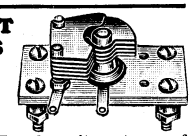


A superior low-priced midget condenser for SW set builders and experimenters. Sturdy, all-brass construction with bakelite insulation. Rotor and stator plates may be easily removed. Single hole mounting. These highly efficient little condensers are very popular with Amateurs and Experimenters.

Cat. No.	MMF.	NET, EACH
B1325*	15	51c
B1326*	25	
B1327*	35	60c
B1328	50	54c
B1329	100	60c
B1330	140	75c

* Double spaced; others single.

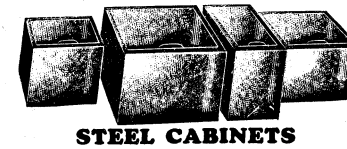
ULTRA-MIDGET CONDENSERS



Compact midget condensers. For Ultra H.F. use in receivers and transmitters, for padding or neutralizing, and for Fixed-Tuned exciter stages of band-switching transmitters. Isolantite insulation. Shaft extends at rear for easy ganging.

TYPE UM: SINGLE-SPACED

Stock No.	Cap. Mmf.	Fact. Type	NET EACH
B1333	15	UM- 15	$0.75
B1334	35	UM- 35	.90
B1335	50	UM- 50	.96
B1336	75	UM- 75	1.02
B1337	100	UM-100	1.14
	DOUBLE-SPACED		
B1339	25	UMA-25	1.11
	BALANCED STATOR, SINGLE-SPACED		
B1341	25	UMB-25	1.11

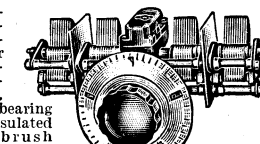


STEEL CABINETS

For housing home-built receivers or special equipment. Used with such sets as National FB7, SW-3, SRR, PSK, HRO, and NC100. Undrilled panels and sub-bases. Black crinkle finish. Complete with sub-base and bottom cover.

No.	Type	Size	NET
B10306	C-SRR	7½x7 x 7½″	$2.10
B10307	C-FB7	11½x8 x12″	4.20
B10308	C-PSK	6 x8 x12″	3.60
B10309	C-SW3	9¾x7 x 9″	3.30
B10310	C-110	11 x7 x 7¼″	2.70
B10311	C-HWR	13½x7 x 7¼″	3.00
B10312	C-HRO	16¾x8¾x10″	5.10
B10313	C-NC100	17¼x8¾x11¼″	5.10

PRECISION GANGED CONDENSER WITH MICROMETER DIAL



A precision condenser assembly for H.F. circuits. Ruggedly built, with four bearing shaft. Insulated rotors have brush type contacts. Stator insulated with Steatite. Has 20 to 1 worm drive with micrometer dial. S.L.F. plates.

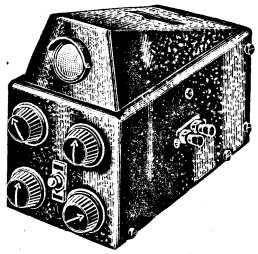
160 MMF. PER SEC. No.	Sections	225 MMF. PER SEC. No.	NET
B1350	2	B1353	$12.00
B1351	3	B1354	14.40
B1352	4	B1355	16.50

B1523. Complete Drive Unit. Consists of enclosed worm drive and micrometer dial described above. **NET** **$9.00**

Above condensers are also available in single section types, in capacities of 150, 200, 350 and 500 mmf. Grounded rotor.
EACH NET **$9.00**

Wave EQUIPMENT

CRM CATHODE-RAY OSCILLOSCOPE



Now every Amateur Radio Station can have an oscilloscope at a moderate price. The new National Model CRM is designed to provide a graphic picture of actual operating conditions in transmitter circuits. Uses the new 913 Cathode-Ray tube with one inch screen. Has a built-in power supply and 60 cycle sweep circuit; also has provisions for the use of an external sweep if desired.

CHECKS MODULATION

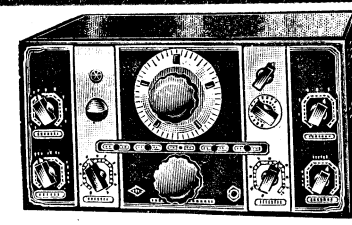
The CRM requires only two tubes: 1—913 and 1—6X5 rectifier. Easily operated; has Focus, Brilliancy and Sweep Amplitude controls on front panel. Fills FCC requirements for checking modulation of Amateur 'phones; patterns are easily interpreted. Completely self-contained in sturdy metal case, 4⅛"x6⅛"x8". Small enough to be easily handled, yet capable of doing a real job in any "Ham" station. For 110 volts, 50/60 cycle A.C.

B10317. Less tubes. List, $18.50. NET..... **$11.10**

B10318. RCA tube kit for CRM Oscilloscope. NET **$5.81**

NATIONAL NC-100 ALL-WAVE RECEIVER

30 MC TO 540 KC



An amazingly efficient 12 tube superhet for the discriminating Amateur or Short-Wave Listener. Capable of extremely high performance over its entire frequency range of from 540 to 30,000 KC. Has many unusual features of design, including an ingenious coil-changing mechanism. Incorporates the efficiency of individual plug-in coils with a smooth, rapid band-change switch. The micrometer dial and worm-drive tuning mechanism provides an accuracy of tuning that amazes the operator. Panel controls are grouped for easy operation and include: Range Selector; A. V. C.-Manual Volume-Beat Oscillator control switch; Combined A.C. on-off, and Stand-by switch; R.F. and Audio Gain Controls; Tone Control, etc. Crystal filter model also has variable filter and phasing control. The NC-100 has a tuned preselector stage which operates on all bands. Power supply is built in and is hum-free.

ELECTRIC EYE FOR ACCURATE TUNING

Tubes used are: 3—6K7, 4—6J7, 1—6C5, 2—6F6, 1—6E5 and 1—80. The calibrated electron-eye tube on front panel accurately indicates strength of incoming signals. Antenna input is arranged for either doublet or single-wire antenna. 10" electro-dynamic speaker is mounted in black crinkle-finish metal cabinet; receives field excitation from power supply built into receiver. The NC-100 is housed in a black crinkle-finished steel cabinet 17½"x11½"x9". Shpg. wt., 65 lbs.

NC-100 AC MODEL

Complete with matched set of tubes and built-in power supply. Supplied with high grade 10" Dynamic speaker in metal cabinet to match receiver finish. For 110 volts, 50-60 cycles.

B10048. NET..... **$125.10**

NC-100 BATTERY MODEL

Similar to A.C. model, but for operation with 6 volt storage battery and "B" batteries for plate supply. Uses 3—6K7, 4—6J7, 1—6C5, 1—6F6, and 1—6E5 tubes. With tubes and speaker.

B10315. NET **$121.60**

NC-100X CRYSTAL MODEL

Same as NC-100 listed above, but has built-in single-signal crystal filter. Filter circuit is equipped with panel controls for phasing and variable selectivity. Crystal filter makes extreme selectivity possible for CW reception; also reduces side bands for 'phone reception. Complete with tubes and cabinet model 10" Dynamic speaker.

B10049. NET **$147.60**

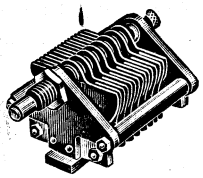
NC-101X HAM MODEL

A special model of the NC-100 for Amateur Communication. Tuning ranges cover only 160, 80, 40, 20 and 10 meter "Ham" bands. Supplied with calibration curves accurate to .25% of operating frequency. Has built-in crystal filter and power supply. With tubes and speaker in metal cabinet. For 110 volts, 50-60 cycles.

B10316. NET..... **$134.10**

WRITE FOR DETAILS OF OUR TIME PAYMENT PLAN

NATIONAL TRANSMITTING CONDENSERS



TYPE TMS LOW POWER

Precision type condensers, rigidly constructed, for use in low-power stages of transmitters. Low C condensers are rated at 2000 Volt Peak; others are 1000 Volt Peak. Conical front bearings; single ball thrust, radial rear bearing. Steatite-Isolantite insulation.

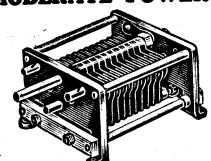
For Oscillators, Buffers, Doublers, Etc.

No.	Mmf.	Plates	NET
B1358	100	10	$1.50
B1359	150	14	1.65
B1360	250	23	1.80
B1361	300	27	2.16
B1362	50-50	5-5	2.25
B1363	100-100	9-9	2.70

For Low C. Type 210 Amplifiers

B1365	35	8	1.80
B1366	50	11	1.95

TYPE TMC—MODERATE POWER

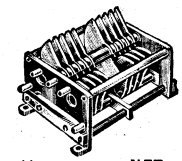


For use in power stages of transmitters where the peak voltage does not exceed 3000 volts. Extremely rigid frame; Steatite-Isolantite insulation. Aluminum plates have buffed edges; air-gap is .077". Have conical front bearing and radial rear bearing with single ball thrust. Stator of split-stator model is supported at both ends.

For RK-18, RK-10, RCA-800 830, 203A, 210, ETC.

No.	Mmf.	Plates	NET
B1375	50	7	$2.40
B1376	100	13	2.70
B1377	150	21	3.15
B1378	300	39	3.90
B1380	100–100	13–13	4.50

TYPE TMA HEAVY-DUTY

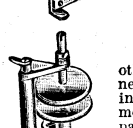


Isolantite insulated. Aluminum plates with buffed edges. Peak voltage of airgaps: .077, 3000 V.; .171, 6000 V.; .265, 9000 V.; .359, 12000 V.

No.	Mmf.	Airgap	NET
B1384	300	.077	$ 7.20
B1385	200-200	.077	9.00
B1386	50	.171	3.90
B1387	100	.171	6.00
B1388	150	.171	7.20
B1389	230	.171	9.60
B1390	50–50	.171	6.60
B1391	100–100	.171	10.50
B1392	100	.265	8.10
B1393	150	.265	10.20
B1394	60-60	.265	11.10
B1395	50	.359	4.80
B1396	100	.359	8.70
B1397	40–40	.359	8.10

NEUTRALIZING CONDENSERS

TYPE TCN



A heavy-duty neutralizing condenser with a peak voltage rating of 6000 volts. Maximum capacity 25 mmf. For use with 203A, 852, 204A and like tubes.

B1368. NET. **$2.40**

TYPE NC-800

For use with the RCA 800 or other tubes which require small neutralizing capacity. Isolantite insulation. Screwdriver adjustment with lock nut. Max. capacity 10 mmf.

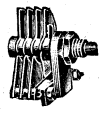
B1369. NET.... **$1.80**

TYPE NC-150

A high-voltage condenser for neutralizing the HK-354, RK-36, 300T, 852 and like tubes. Max. capacity 12 mmf. Adjustable from .2 to 1.6". Isolantite insulated.

B1370. NET **$3.90**

TYPE STN



Suitable for neutralizing type 45, 47, 10, or similar tubes. Isolantite-insulated. Max. cap. 18 mmf. Peak voltage breakdown, 3000 volts. Ideal for buffer or doubler stages.

B1371. NET ... **$1.20**

CRYSTAL HOLDERS

VERTICAL TYPE



Mounts crystal in vertical position, allowing it to vibrate freely. Permits rapid change of crystals. Molded R-39 body, with metal shield. Less crystal.

B1558. Resonator Type CHR.

B1559. Transmitting Type CHT. NET EACH..... **$1.50**

VARI-GAP CRYSTAL HOLDER



Permits tuning over a range of 6 KC when used with special 3.5 MC crystal (12 KC on 7 MC, 24 KC on 14 MC). R-39 holder for socket mounting supplied with six inch flexible shaft, 0-10 dial, knob, and panel bushing. This holder cannot be used with X or Y cut crystals.

B1561. Holder only **$5.70**

B1562. With crystal **$19.50**

NATIONAL TRANSMITTING BOOK

B1600. Contains 14 pages of data on design and construction of a modern half-kilowatt 'phone transmitter, using newest tubes and circuits. NET..... **10c**

Free with purchase of National Equipment.

SHAFT COUPLINGS

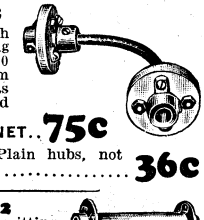
TYPE TX-9



B1550. A small efficient condenser shaft coupling. Hubs fit ¼" shaft. Insulation is Steatite.

NET **66c**

TX-11 & TX-12

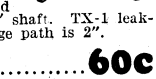


Flexible shaft with ¼" hubs for driving offset shafts up to 90 degrees. Free from backlash. TX-12 has isolantite insulated hubs.

B1551. TX-12. NET.. **75c**

B1552. TX-11. Plain hubs, not insulated. NET **36c**

TX-1 & TX-2

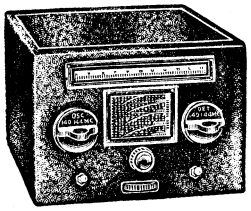


For use with transmitting condensers in high voltage circuits. Insulation of glazed isolantite. Hubs fit any ¼" shaft. TX-1 leakage path is 1"; TX-2 leakage path is 2".

B1553. TX-1.
NET **60c**

B1554. TX-2.
NET **66c**

NATIONAL SHORT WAVE EQUIPMENT



FB7A & FBXA RECEIVERS

Two popular seven tube communication type receivers for the Amateur and S.W. fan. Features: ample sensitivity and selectivity; 2-air-tuned IF stages; full-vision dial with seven inch scale; front panel plug-in coils; complete shielding and filtering for signal stability; electron-coupled oscillators, etc. Designed to make operation easy at all times. Single control tuning. Calibration charts are mounted on front of cabinet. Model FBXA has built-in crystal filter. 11½x12x8". Shpg. wt., 29 lbs.

B10044. FB7A. Complete as described above, less crystal filter. Requires 2—58, 1—57, 1—56, 2—24A, 1—59 tubes. Supplied less tubes, coils and power supply. See coils below.
NET **$41.70**

B10045. FBX-A CRYSTAL MODEL. With crystal filter for single signal reception. Less tubes, coils and power supply.
NET **$57.00**

B10046. HEAVY-DUTY POWER PACK. Type 5897AB. For maximum performance. For 110 V. 50/60 cycles. Less 80 tube.
Wt., 18 lbs. NET **$15.90**

B10047. POWER SUPPLY. Type 5887AB. For use with above sets for headphone operation only. 110 V. 50/60 cycles. Less 80 tube.
Wt., 16 lbs. NET **$14.70**

COILS FOR FB7A & FBXA RECEIVERS

General coverage and Band-Spread Coils. Forms are R39; windings are covered with protective sleeve. With metal end and handle.

BAND-SPREAD COILS

No.	Band Range	PER PAIR
B1447	10 meter B.S.	$7.20
B1448	20 meter B.S.	
B1449	40 meter B.S.	$6.00
B1450	80 meter B.S.	
B1451	160 meter B.S.	

With built-in air dielectric condensers. Both types of coils are interchangeable.

GENERAL COVERAGE COILS

		NET EACH PAIR
B1453	34,000 to 18,000 Kc.	
B1454	19,500 to 11,400 Kc.	
B1455	11,700 to 7,000 Kc.	
B1456	7,300 to 4,000 Kc.	
B1457	4,200 to 2,400 Kc.	
B1458	2,500 to 1,500 Kc.	$6.00
B1459	1,500 to 900 Kc.	

NATIONAL INSULATORS

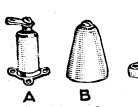


AA3 AA5 AA6

B1570. TYPE AA-3. Steatite feeder spreaders. 6⅛" long; ⅜" dia.

B1571. TYPE AA-5. Aircraft compression type strain insulator.
NET EACH **18c**

B1572. TYPE AA-6. Steatite.
Length, 4¼"; ½" dia. NET..... **21c**



A B C

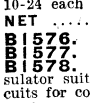
STAND-OFF INSULATORS

B1573. Fig. A. Small Isolantite insulators designed for extreme efficiency. Make ideal forms for H.F. and U.H.F. chokes. Metal mounting feet. Type GSI.
1⅜" high, ½" diam. NET..... **15c**

B1574. Fig. A. GS2. 2⅞" high, ½" diam. NET..... **21c**

B1575. Fig. B. A Steatite insulator for mounting parts on metal chassis bases. GS5 tapped 8-32 each end. GS6 and GS7 tapped 10-24 each end. GS5. 1¼" high.
NET **15c**

B1576. Fig. B. GS6. 2" high. NET..27c
B1577. Fig. B. GS7. 3" high. NET..45c
B1578. Fig. C. GS8. A small Steatite insulator suitable for use in Low Loss H.F. Circuits for coil mountings, etc. Base has 1⅛" mounting centers. NET..... **21c**



XT8 COIL FORM

Low-loss Steatite form for R.F. chokes, precision resistors, etc. Four sections; wire slot between sections and to terminals.
B1508. NET EACH.... **30c**



XS6 HF BUSHING

A small Steatite shoulder-type flat bushing. Measures ⅝" diam., 3/16" thick with ⅛" hole.
B1509. NET EACH **9c**



FIXED TUNED EXCITER TANK

An ideal unit for use in multi-band exciters using bandswitching. Aluminum case, 4x2⅝x2" contains two 25 mmf. 2000 Volt condensers and R-39 coil form, 1½" long, 1" diam. With plug-in base to fit tube sockets. Aluminum shield isolates condensers; tunes from top.

B1512. TYPE FXTB. 5 Prong Base. NET **$2.94**

B1513. TYPE FXTB. 6 Prong Base. NET **$2.94**

B1511. TYPE FXT. Without plug-in base. NET..... **$2.70**

NATIONAL SOCKETS

LOW-LOSS ISOLANTITE



For use in H.F. receivers and in low power stages of transmitters. 6 prong Special Socket for National Coils is square; others as illustrated.

No.	PRONGS	List, 60c NET EACH
B1580	4	
B1581	5	
B1582	6	
B1583	7	
B1585	8 Octal for Metal Tubes	36c
B1586	6 (For National Coils)	45c

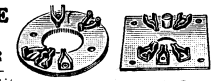
50 WATT SOCKETS



A high grade moderately priced socket; has glazed ceramic insulation and metal shell. Binding post terminals.
B1588. XM-50. List, $1.75. NET.. **$1.05**

B1589. XC-50. ALL-STEATITE. Low-loss; provides safety from arc-over. Contacts are only metal in entire assembly.
List, $3.50. NET..... **$2.10**

ACORN TUBE SOCKETS



B1591. FOR TRIODES. Five contact clips on Isolantite.
NET **90c**

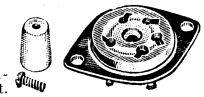
B1592. FOR PENTODES. Has aluminum base with all-contacts by-passed to ground. NET **$1.20**

POWER PENTODE TYPE



Large wafer type Isolantite socket for the RK28 and RCA 803 power pentodes. Three point mounting. Side-wiping contacts.
B1594. EACH.. **$2.16**
B1595. As above, but less stand-off insulators. NET..... **$1.80**

UNIVERSAL MOUNTING TYPE



Completely new, universal isolantite socket. May be mounted in several ways by means of stand-off insulator and metal flange supplied. Full pin wiping terminals do not extend above top of socket and cannot cause shorts.

NO.	PRONGS	EACH List, 40c NET
B1515	4	
B1516	5	
B1517	6	
B1518	7 M	
B1519	7 S	24c
B1520	8 Octal	



NATIONAL R-100 R.F. CHOKE

Ideal for high frequency circuits. Extensively used in receivers and low-power stages of transmitters. Has continuous 4 section universal winding on isolantite form. Distributed capacity is only 1 mmfd. 2½ MH, 125 MA. 50 ohm D.C. resistance.
B1479. List, 60c. YOUR PRICE. **36c**

TRANSMITTING TYPE CHOKES



Universal chokes with honeycomb-type windings in five sections. Rated at 600 MA continuously. Inductance, 4 MH, 10 ohms D.C. resistance. R152 is for the 160 meter band, and R154 for the 40 meter band.

B1481. R152.
B1482. R154. NET EACH..... **$1.35**

B1483. R154U. For 20, 40 and 80 meter bands. Five section honeycomb type coil on Isolantite core, with solder lugs. Rated at 600 M.A. continuous, 1 mh. inductance, 6 ohms D.C. resistance.
NET **$1.05**

NATIONAL COIL FORMS

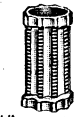
RECEIVER FORMS



Low-loss R-39 forms which are extremely popular with Amateurs and Experimenters. Easy to work. Finger-grip rim. 1½" dia.. 2¼" long.

B1490. 4 Prong.
B1491. 5 Prong.
B1492. 6 Prong.
EACH.. **45c**

TRANSMITTER FORMS



Ceramic forms for winding low-loss transmitter inductances. Grooved and drilled.

B1494. XR10A. 20 or 40 meter. NET..... **90c**

B1495. XR12A. 80 or 160 meter. NET..... **$1.50**

B1496. XR13. (1¾" Dia. x 3½" long.) NET **66c**

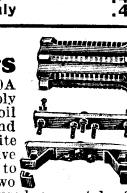
BUFFER COIL FORM AND SOCKET



A new isolantite, low-loss coil form assembly, 1¾"x3½" long. Plug with five prongs is easily attached to coil form by two screws. Socket is equipped with five rugged side-swipe contacts. Plug and socket are made of R39 low-loss insulation.

No.	Description	NET
B1498	Complete Assembly	$1.50
B1499	Coil Form only	.66
B1500	Coil Plug only	.45
B1501	Coil Socket only	.45

PLUG-IN COIL FORM and SOCKETS



This completely new UR-10A coil form and socket assembly consists of the XR-10A coil form for 20 and 40 meters and an entirely new Isolantite Plug-in Base and Socket. Five prong plug is easily attached to coil form by means of two screws. Plug may also be used separately for air-wound coils. Socket and five mounting jacks are complete with special attachments for mounting on TMA condensers if desired.

B1503. TYPE UR-10A. Coil Form Assembly. Complete. NET.... **$2.76**
B1504. TYPE XR-10A. Coil Form Only. NET..... **90c**
B1505. TYPE PB-15. Plug-in Base Only. NET **81c**
B1506. TYPE XB-15. Socket Only. NET..... **$1.05**

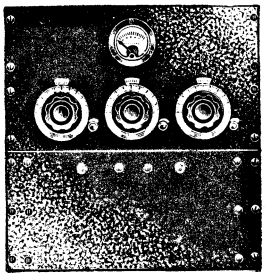
ROTOR CLAMPING DEVICE

B1556. For clamping rotor shaft of TMA or TMC National Transmitting Condensers. Easy to mount. Holds firmly.
NET **51c**

AMATEUR TRANSMITTERS

ALL-STAR TRANSMITTER KITS

Here is a modern half-kilowatt transmitter in easy-to-assemble kit form. Every Amateur or Beginner planning a complete high-power CW and Phone rig should give serious consideration to the All-Star Kit. Designed by leading engineers. Every detail of layout and wiring is worked out and provided in wiring and pictorial diagrams. Requires only a few hours time for easy assembly and wiring with fewest possible tools such as pliers, soldering iron and screwdriver. All panels, chassis, etc., are completely drilled and finished.



40 WATT RF UNIT

The ideal transmitter for the beginner, or for the old timer who wants to modernize his station. Consists of a 47 crystal oscillator and an 802 buffer driving the push-pull 802 amplifier. Provides four band operation with only two crystals. Band changing is by plug-in coils. Blocked grid keying of the amplifier stage effectively prevents key clicks. Complete kit contains all necessary parts, drilled and finished panel and chassis base, coil forms, condensers, etc. Less tubes and crystal. Requires 1—47 and 3—802 tubes. Instruction book furnished.

B9850. 40 WATT KIT. YOUR PRICE..... **$32.85**

LOW VOLTAGE POWER SUPPLY KIT

Complete kit of parts for the low voltage power supply; for use with the 40 watt R.F. unit. Has all necessary parts. Requires one type 83 tube. For 110 V. 50/60 cycles.

B9851. Less tube. NET..... **$28.25**

SPEECH AMPLIFIER AND POWER SUPPLY

B9852. May be used as a modulator for the 40 watt RF unit or as driver amplifier for 200 watt modulator. Supplied with either T-79M94 modulation transformer of T-80D54 driver transformer. Input for carbon or crystal mike. Uses 2—6C6, 2—76, 2—42, 1—83, and 1—82 tubes. Kit complete with T-79M94 transformer. Less tubes and mike. NET..... **$34.75**

B9853. Same as above but with T-80D54 driver transformer. Adequately excites the class "B" 838 tubes in the 200 watt modulator to full output. NET..... **$34.75**

500 WATT R.F. AMPLIFIER

Any amateur with a low power transmitter can, by use of the All-Star 500 watt RF unit, increase power economically. Designed for use with the 40 watt RF unit described at top, or may be used with any RF unit furnishing 15 to 25 watts for excitation. Uses two 838 tubes in push-pull. Panel and chassis base are drilled and finished. Even the beginning "Ham" can build and operate the completed job. Kit contains panel, chassis base, hardware, condensers, chokes, insulators, meter; everything except the tubes and plate coils. No need to spend hours deciding how to build a high power amplifier for your present rig or for the 40 watt All-Star transmitter.

B9854. Less tubes and plate coils. YOUR PRICE.. **$27.15**

HIGH VOLTAGE POWER SUPPLY

B9855. For use with the All-Star 500 watt R.F. amplifier listed above. Includes panel, chassis, transformers, chokes, condensers, insulators, etc. Requires 2—866 tubes. Complete; ready to assemble. Less tubes. NET..... **$48.95**

200 WATT MODULATOR

B9856. Will 100% modulate the 500 watt R.F. amplifier or your present 500 watt CW rig. Requires the speech amplifier at top (B9853) or similar unit as a driver amplifier. Uses 2-838 tubes in Class "B." Kit contains panel, chassis, transformers, chokes, sockets, etc. No power supply included. Obtains "B" voltage from the High Voltage Power Supply. Less tubes. NET..... **$25.65**

B12510. 38½ INCH RACK. Standard 19" relay rack; has ample room for the 40 watt RF unit, low voltage power supply, and the speech amplifier-modulator units. Shipped knock-down. 26 lbs. NET..... **$8.95**

B12511. 73½ INCH RACK. For rack mounting of the All-Star units for complete 500 watt CW, 400 watt phone rig. Shipped knocked-down. Wt., 40 lbs. NET..... **$10.95**

JOHNSON INDUCTORS FOR ABOVE TRANSMITTER

High efficiency, plug-in tank coils for the 500 watt R.F. stage.

No.	Type No.	Meters	NET
B9664	636	20	$3.00
B9665	634	40	3.23
B9666	632	80	3.67
B9667	630	160	4.88

ALL-STAR INSTRUCTION BOOK

16 complete pages of assembly data for the All-Star Transmitter. Clear concise instructions, photographic layouts, and detailed wiring diagrams make construction easy. **B11002.** NET.... **15c**

TRIPLETT MODULATION MONITOR



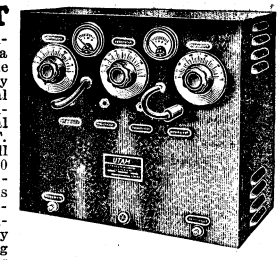
Provides visual indication of carrier shift and accurately measures percentage of modulation. More efficient than antenna meter calculations, aural modulation checks, and loop-and-light measurements. Accurately calibrated at factory; uses type 76 tube which can be replaced without affecting calibration. By means of easily adjusted inductive coupling this unit may be used with phone rigs of any power rating. Tip-tilt dual meter. Size, 7⅞"x6⅝"x4⅝". Wt. 11 lbs. With tube. For 110 V. 60 cycle A.C.

B9959. List, $37.25. YOUR PRICE..... **$24.33**

NEW UTAH TRANSMITTER KITS

Only a few months old but steadily increasing in popularity with all Amateurs, old-timers and beginners alike. Designed to provide maximum efficiency; circuits are based on newest and latest type tubes. Can be assembled and wired in a few hours. No cutting or drilling; all cabinets and chassis bases drilled and finished.

80 WATT CW KIT



An ideal starting rig for the beginner. A base on which to build to a complete 500 watt station. For the old-timer it's a peach of an auxiliary unit to allow operation on several bands. It's new and up-to-the-minute; uses a 6L6 regenerative crystal oscillator, parallel 6L6's in the R.F. amplifier, and 1—5Z3 rectifier. Will safely handle input power up to 80 watts; more if properly handled. Attractive steel cabinet, 18x16x9½" is finished in black crystal. Circuit design produces maximum "sock" without excessive power requirements. Easy to assemble; all drilling and punching are already done for you. Requires one 0 to 50 and one 0 to 200 M.A. meters, 2" size. All parts are carefully selected; power supply units will insure maximum performance even under continuous operation. Start your Utah transmitter now. Kit comes complete ready for assembly.

B9858. Complete kit, less only tubes, crystal and meters. NET..... **$49.75**

50 WATT MODULATOR KIT

B9859. When used with the 80 watt CW kit will provide a nifty little moderate-power phone rig. Has input for any type mike; output of 50 watts with adjustable impedance output transformer. Uses 2—6C5, 1—6N7, 1—6J7, 2—6L6G, 1—80, and 1—5Z3 tubes. Requires 2 meters: 0-50 and 0-200 M.A., 2" size. Has self-contained power supply. Cabinet same size and style as 80 watt kit. Complete, less tubes and meters. NET..... **$44.50**

ANTENNA COUPLER KIT

B9860. A complete antenna-matching unit for use with either the 80 watt CW kit, or with the complete 400 watt transmitter. Has 3000 volt tuning condensers and low-loss coil. Will match any type of tuned feeder system. Coil link-couples to R.F. amplifier. Cabinet, 18x8x9½". Requires 1—0-5 R.F. ammeter. Supplied with all necessary hardware; coil already wound. Less meter. NET. **$13.95**

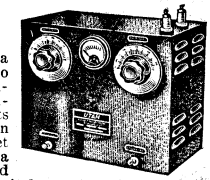
500 WATT R.F. AMPLIFIER

B9861. A high efficiency 500 watt R.F. amplifier which can be driven by the Utah 80 watt CW unit, or any similar exciter unit. Uses 2—T55 and 2—866 tubes. Has a heavy-duty built-in power supply designed for continuous service. Input circuit is arranged for link coupling to exciter stages. Plate tank uses specially designed High-Q coil. Requires two 3½" meters, 0-100 and 0-500 M.A. Cabinet matches other Utah units, size 18x16x9½". No antenna coupling circuit; use Coupling Unit B9860. Complete, less tubes and meters. NET..... **$49.75**

250 WATT MODULATOR KIT

B9862. A high-quality high-power modulator for use with the 500 watt R.F. amplifier above or with any similar high-power R.F. stage. Uses 2—ZB120 or 203Z tubes. Has self-contained high voltage power supply using 2—866 tubes. Requires two 2" meters, 0-100 and 0-500 M.A. Housed in same style and size cabinet as all other Utah kits. Complete, less tubes and meters. NET..... **$49.75**

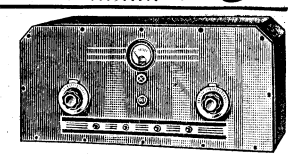
NEW UTAH BEGINNERS' TRANSMITTER KIT



Designed especially for the beginner with a limited budget. A complete kit of parts to build a new low power CW rig of true commercial appearance. Uses 1—6L6 in a regenerative crystal-controlled circuit with 20 watts power output. Uses 1—5Z4 rectifier in built-in power supply. Crystal finished drilled cabinet measures only 12x7x10". Has tuned antenna coupling link for coupling to a "Zepp" feed system. Has power off-on and send-receive switches. Etched dials with flange knobs. Requires one 2 inch, 0-100 M.A. meter. Contains all parts except crystal, meter and tubes.

B9863. YOUR NET PRICE..... **$15.95**

RCA ACT-20 TRANSMITTER



Especially designed for the advanced Amateur requiring a reliable factory-built transmitter at low cost. Will deliver 20 watts into any single or two-wire feed antenna system. Uses 1—807 crystal oscillator, 1—802 buffer-doubler, 1—807 R.F. amplifier, 2—83 rectifiers, 1—6F5 and 1—6F6 speech amplifiers, and 2—6L6 modulators. Has speech input for D.B. carbon mike. Incorporates many exclusive features permitting maximum flexibility of operation. Unique semi-fixed capacitors and plug-in coil system permit single control tuning. Either CW or 'Phone is provided at the flip of a switch. Operates on all bands, 160 down to 10 meters. Equipped with coils for one band only; specify band desired. Less tubes, crystal and mike.

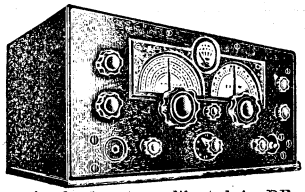
B10172. YOUR PRICE..... **$129.50**

B9488. Complete sets of coils for either 160, 80, 40, 20, or 10 meter bands. Specify band when ordering. NET PER SET OF COILS FOR ANY SPECIFIED BAND.. **$5.25**

B9489.	R.C.A.	Tube Kit for R.F. Section.....	$11.70
B9490.	R.C.A.	Tube Kit for Audio Section.....	9.30
B2550.	R.C.A.	Double-Button Microphone	6.90

Short-Wave RECEIVERS·TRANSCEIVERS

RME MODEL 69 SINGLE SIGNAL SUPERHET



A precision-built receiver for the Amateur and Short-Wave Listener. Improved circuit develops exceptional efficiency across entire frequency range of receiver. Has two 5 inch illuminated dials; one calibrated in megacycles for easy accurate tuning, and one calibrated for bandspread. Finger-tip tuning is provided by planetary-vernier dial drive. **Features:** carrier level meter calibrated in DB and R units; modulation monitor built-in; tuned preselector stage; three-position crystal filter; coil assembly permanently shielded; electron-coupled oscillators, etc. Band switch provides rapid selection of any frequency band from 550 to 32,000 K.C.

PRESELECTION ON ALL BANDS

High-gain preselector stage eliminates image signals; increases selectivity and sensitivity to weak signals. Each RME-69 is individually hand made. All major parts, I.F. coils, etc., are laboratory-built and subjected to rigid tests. Workmanship is of the highest quality throughout. Tubes used are: 5-6D6, 1-6C6, 1-6B7, 1-42 and 1-80. Every RME-69 is completely laboratory-built and tested. Tubes included with each set are those used for final laboratory tests, which assures you that the set you receive is perfectly aligned and adjusted for maximum performance. Illustrated with Noise Silencer which is extra. See listing and price below.

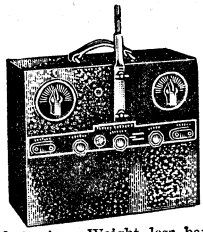
B10175. Complete with cabinet model speaker; with tubes. YOUR PRICE..... **$151.20**

B10176. Complete with tubes, less speaker. YOUR PRICE **$139.35**

The RME-69 Receivers listed above are available with built-in LS-1 Noise Silencer and tubes at an additional price of $11.40 net. Specify "With Built-in Noise Silencer" when ordering.

WRITE FOR DETAILS OF OUR TIME-PAYMENT PLAN

RTL "COMPACT" PORTABLE TRANSMITTER-RECEIVER 56-60 MC



A portable unit that is "at home" anywhere you may take it. Permits Duplex or Break-in QSO's without switches. Transmitter employs 1—30 as input amplifier, 1—19 as Class B Modulator, and 1—19 as push-pull oscillator. Carrier, 2 watts, 8 watts peak. Non-radiating receiver uses 1—34 or 1—1A4 TRF stage, 1—30 super-regenerative detector and the 2 watt audio system of the transmitter. Both the transmitter and receiver operate from the same antenna. Entire until housed in 12½"x15"x15" crackle finished steel case with leather carrying handle. Batteries fit in lower compartment. Requires 3 portable type 45 volt "B" batteries, 2 dry cells, and 1—4½ volt "C" battery. Weighs only 25 lbs. with all batteries. Weight less batteries 12½ lbs.

B10192. The Compact, Battery-operated Portable Transmitter-Receiver. Less tubes and accessories..... **$26.50**

B10194. TELESCOPING FLEX-STEEL ANTENNA. Reinforced. For use with The Compact described above. Has special nickel-plated base as illustrated. Adjustable from 3½ to 9 ft. NET... **$2.60**

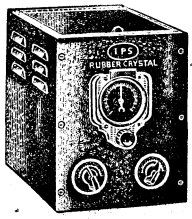


PEAK PRE-SELECTOR AND PRE-AMPLIFIER

A new improved model of the famous Peak Preselector. Will add increased efficiency to any Amateur or SW receiver by increased sensitivity to weak signals. Permits complete control of R.F. sensitivity, rejects images, and greatly increases signal-to-noise-ratio. Tunes from 9 to 200 meters in four bands. Uses 2—58 tubes. 7¼"x9¼"x10".

B10183. Less tubes. YOUR PRICE **$19.80**

NEW IPS RUBBER CRYSTAL



Do you let the heavy QRM "lick" your transmissions? You can make every QSO 100% with this new remote-control exciter unit; slide out from under interfering signals; put your own signals on the exact frequency of that DX station you want to hook; move around in uncrowded portions of the band—all as easy as tuning your receiver. The IPS Rubber Crystal can be placed on the operating table and link-coupled to your buffer stage. Bandspread tuning permits shift of frequency as great as 50 KC each side of any chosen spot frequency. Output is sufficient to drive a pair of RK-20s, 802s, 10s, T55s, 35Ts or similar tubes. Easily attached to your present transmitter: just remove crystal and link-couple the "Rubber Crystal" to the plate coil of the oscillator, or to the grid of the buffer stage. Uses 2—6L6 tubes. Complete with 80 meter coils

B10330. Rubber Crystal complete with 80 meter coils, less tubes and power supply. NET..... **$28.50**

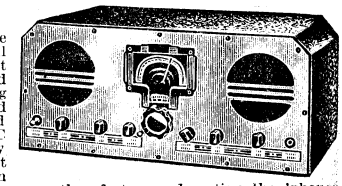
B10331. Heavy-Duty Power Supply (less 83 tube). NET...**$15.90**

ADDITIONAL COILS FOR RUBBER CRYSTAL

B10332. 160 meters. **B10334.** 20 meters. } NET
B10333. 40 meters. **B10335.** 10 meters. } EACH SET. **$2.00**

NEW RCA AMATEUR RECEIVERS

ACR-155



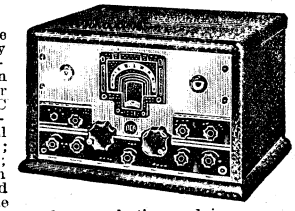
A new up-to-the-minute communications receiver. All controls grouped on front panel make operation easy and untiring. Has 100-1 tuning ratio; Calibrated band-spread for positive logging; RF and Audio gain controls; AVC "on-off" switch; Standby switch; Range selector; Beat oscillator on-off and pitch controls; Tone Control; and many other features. Inserting the 'phones in front panel jack mutes the speaker.

TUNES 520 TO 22,000 KC

Three band, continuous tuning range from 520 to 22,000 KC; Amateur bands clearly defined with ample bandspread. Tuned R.F. stage on all bands. Tuning dial shows calibrated scale for only the range in actual use. The ACR-155 comes complete with tubes, built-in power supply, built-in 6" dynamic speaker, and complete instructions. Tubes used are: 2-6K7, 2-6J7, 1-6L7, 1-6H6, 1-6F5, 1-6F6, and 1-5W4. Ventilated metal cabinet finished in two-tone wrinkle gray finish measures 24⅝"x12⅜"x 10⅞". Shpg. Wt., 59 lbs. For 110 Volts, 50/60 cycles.

B10399. Complete with tubes, and built-in power supply and speaker. YOUR PRICE **$74.50**

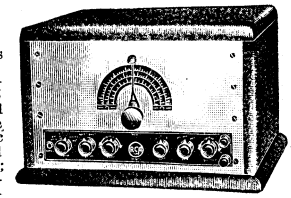
NEW ACR-111



This fine 16 tube superhetrodyne was carefully designed to fill every requirement of modern high-frequency communication service. An ideal receiver for the amateur or S.W. listener. Tunes from 540 KC to 32 MC in 5 bands. Features include 2 iron-core IF stages; crystal filter; signal strength indicator; calibrated dial scale for each range; amplified and delayed AVC with off switch for CW reception; and calibrated-pitch beat oscillator. The 2 stage tuned RF amplifier provides ample pre-selection and image suppression. Has uniform bandspreading on all ranges except 540-1600 KC. Careful shielding throughout assures maximum signal stability. For 110 volts, 60 cycle, AC. Housed in rugged metal cabinet, 23½x21x16¼". All controls are conveniently grouped on front panel.

B10398. Complete with all tubes and 8" dustproof dynamic speaker. YOUR NET PRICE **$189.50**

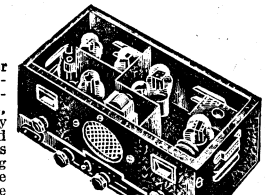
AR-67 COMMERCIAL RECEIVER



This 3 band superhetrodyne has been specially designed for the reception of radio-telephone, telegraph, and time signals between 75 and 1500 KC. Particularly suited for marine use. Will withstand the most severe operating and climatic conditions. Features include: tuned RF stage; all RF coils air-trimmed; 2 stages of variable-selectivity iron-core IF; automatic sensitivity control; CW beat oscillator; output limiting control—output to headphones or 600 ohm line. Housed in gray wrinkle-finished metal table cabinet. 21x12¾x16¼". For 110 volts, 40-60 cycle AC, or external battery operation.

B10396. Complete with tubes, less speaker. YOUR NET PRICE **$275.00**

NEW RTL 56-60 MC DUPLEX TRANSMITTER-RECEIVER



Type TR6A6. A complete transmitter and receiver that permits Duplex operation in the Amateur 5 meter band. Receiver and transmitter each use newest, high efficiency circuits; individually shielded. The operator may talk and listen without throwing a switch as is required in transceivers, thus enabling duplex or break-in operation. Entire unit housed in a single sturdy steel case measuring 15" long, 7½" deep and 7½" high. Transmitter uses unity-coupled 6A6, with Class "B" modulation; carrier power 10 watts. Four tube super-regenerative receiver has tuned R.F. stage and pentode output with built-in dynamic speaker. Power requirements are 250 to 300 volts at 175 MA, and 6 volts at 3.6 amps. May be used for portable-mobile or permanent station. Tubes required are: Transmitter, 2—6A6, 1—6E6; Receiver, 1—78, 2—76, 1—42. Less tubes, mike, power-supply and antenna. 16½ lbs.

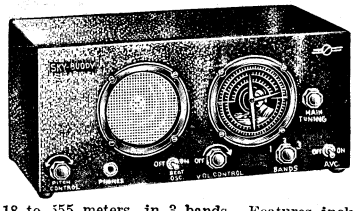
B10190. Less tubes. YOUR PRICE **$47.60**

B10191. 110 VOLT A.C. POWER SUPPLY. For use with TR6A6 described above. Complete with cables and plugs. Provides 300 volts D.C. at 175 MA. and 6.3 volts at 5 amps.; also 2.5 volts at 14 amps. Requires 1—5Z3 rectifier tube. Less tube. **$30.00**

B2505. Universal Single Button Handmike with 6 Ft. Cord NET **$5.88**

Modern Short-Wave RECEIVERS

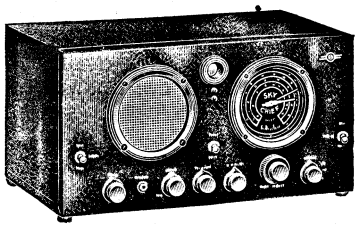
LATEST HALLICRAFTERS SHORT WAVE RECEIVERS



LOW PRICED SKY BUDDY

Here is the ideal receiver for the amateur or short wave fan who has always wanted a professional type receiver, at an inexpensive price. Has all the features of the larger sets, and is capable of real professional performance. New circuit makes five tubes do the work of eight. Tunes from 18 to 555 meters, in 3 bands. Features include iron core I.F.; A.V.C., which can be turned off for CW reception; calibrated dial, with 36 to 1 ratio bandspread action; shielded beat oscillator, controllable from panel; and built-in power supply and speaker. Arranged for use with either straight antenna or doublet. Headphone jack and all controls are mounted on the front panel. Uses tubes as follows: 1—2A7, 1—6F7, 1—75, 1—42 and 1—80. Housed in rugged, handsome metal cabinet. An exceptionally fine receiver at a low price. For 110 Volts, 60 cycles A.C.

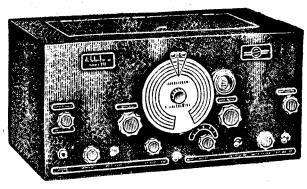
B10150. YOUR PRICE, With Tubes..... $29.50



SKY-CHIEF

A new communication type receiver of superior design and construction. An efficient superheterodyne circuit makes use of seven tubes to give ten tube performance. Among the features of this remarkable set are: Band switching, to tune from 17.6 MC. to 540 KC., covering amateur, short wave broadcast, police, and regular broadcast bands; variable beat oscillator controllable from front panel; 6G5 signal strength indicator; iron core I.F. stage; A.V.C.; R.F. and audio gain controls; mechanical bandspread; built-in speaker and power supply, and stand-by switch. Uses 1—78, 1—6A7, 1—6F7, 1—75, 1—42, 1—6G5, and 1—80 tubes. In attractive, rugged metal cabinet. For 110 Volts, 60 cycles A.C.

B10151. YOUR PRICE, With Tubes..... $44.50



SKY CHALLENGER

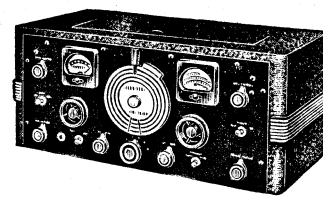
A recent addition to the Famous "Hallicrafter" line. The "Sky Challenger" embodies many of the salient features of the higher-priced "Super Skyrider." Has been engineered to satisfy the most critical Amateur. Covers all frequencies from 40,000 to 535 K.C. (7.5 to 560 meters) with no gaps. Uses smooth continuous electrical band spread, a feature included only in the more expensive ham receivers. Features included are: Iron core I.F.'s; air-trimmed R. F. coils; nine tubes as follows: 1—6C5, 4—6K7, 1—6L7, 1—6Q7G, 1—6F6G, and 1—80; Single-Signal action (crystal optional); Headphone jack; A.V.C. switch; Send-receive switch; Beat Oscillator Pitch control; Tone control; Antenna circuit arranged for either doublet or conventional antenna; 4 watts of audio power, etc. With tubes. Less speaker.

B10158. Model S-15, less crystal $69.50

B10159. Model SX-15. With crystal. NET $79.50

B10164. 8" P.M. speaker in attractive metal case..... $9.50

NEW SUPER SKY-RIDER



- **Latest 1938 Type**
- **Directly Calibrated 6 Band Dial**
- **Electro-Mechanical Bandspread**

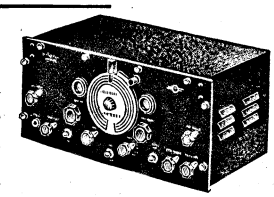
The "Headliner" for 1938! Built to satisfy even the most critical Amateur or Short Wave listener, this newest of all communications receivers has literally "everything." Features: Continuous tuning range, 545 K.C. to 62 MC. in 6 directly calibrated ranges; Signal strength meter; Inertia tuning: Extreme bandspread; Variable selectivity; B.F.O. with pitch control; Ceramic-insulated tank circuits and tube sockets; Illuminated dials; 11 tube superhet circuit with extreme sensitivity; R.F. stage on all bands with controllable gain; and many more features, found only in receivers costing much more. The new 1938 Super Sky-Rider has been designed to fill every need of the advanced Amateur as well as the beginner. It is also ideally suited for every service requiring maximum performance on the H.F. bands. Supplied with 3-6K7, 1-6L7, 1-6J5G, 1-6R7G, 2-6V6G, 2-6J7G, and 1-5Z3 tubes. For 110 volts 50-60 cycles.

B10160. Less speaker. YOUR NET PRICE..... $99.00

B10161. MODEL SX16. Same receiver as above except that it includes crystal built in as integral part of receiver. Complete with 11 tubes, less speaker. NET $111.00

B10162. SPEAKER. Large 12" P.M. Dynamic speaker. Metal housing has acoustically-treated wooden baffle to eliminate vibration. Will perfectly match receivers above. NET.... $12.00

S-12 COMMERCIAL SKY-RIDER



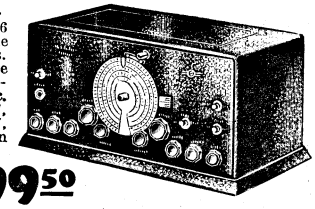
An 11 tube superhet receiver designed to meet the communication needs of ship and aircraft operators. Continuous tuning range from 26.1 to 3000 meters (100 KC to 11.5 MC.). I.F. frequency is 1600 KC. Uses 4-6K7, 1-6L7, 1-6R7, 2-6L6, 1-6G5, 1-6C5 and 1-5Z4. Calibrated 338 degree main tuning dial. Has many features used in Super Sky-Rider above.

B10156. With Tubes, less speaker. NET $99.50

B10157. MODEL SX-12. As above but with improved crystal filter; factory-peaked, for true single signal operation. NET..... $114.50

B10163. 12" P.M. SPEAKER. In metal cabinet. NET...$12.00

ULTRA SKY-RIDER



Designed for use on the 3.76 to 53 meter bands. Covers the 5, 10, 20 and 40 meter bands. Features include: Iron core I.F.'s; R.F. and Audio gain controls; "Send-Receive" switch, etc. Uses 10 tubes as follows: 2—6K7, 2—6L7, 1—6J7, 1—6C5, 1—6R7, 1—6Q7, 1—6F6 and 1—5Z4. In handsome black metal cabinet.

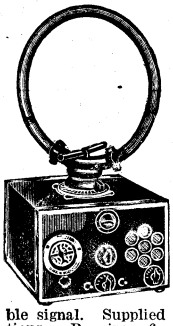
B10152. Model S-10. Less speaker. With tubes. NET $99.50

B10153. MODEL SX-10. As above but with crystal filter and panel controlled crystal phasing condenser. NET $114.50

B10163. 12" P.M. Speaker in metal cabinet. NET.....$12.00

WRITE FOR DETAILS OF THE HALLICRAFTERS TIME PAYMENT PLAN

NEW SARGENT RECEIVERS

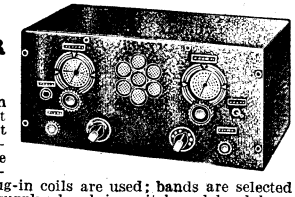


RADIO COMPASS AND VISUAL BEARING INDICATOR

Designed to fill the requirements of small boat and yacht owners for an accurate, inexpensive radio compass. Also functions as radio receiver with continuous tuning range from 200 to 3500 meters. Provides both visual and audible check of bearing signal. Consists of a high efficiency receiver with built-in Jensen speaker, calibrated tuning dial, beat oscillator for code reception; and a 14½" plug-in type loop with an accurate 360 degree bearing scale. Operation is extremely simple; simply tune in stations of known position; visual indication of sharp null point permits readings of extreme accuracy. Has daylight range of 250 miles with greater night-time range. Electron-eye tube is used as null point indicator; speaker permits double check by audible signal. Supplied complete with loop, tubes, genemotor, and instructions. Requires 6 volt battery; maximum drain 5 amperes. Shpg. wt., 50 lbs.

B10390. YOUR NET PRICE..... $175.00

ALL-WAVE RECEIVER MODEL 11-AA



Standard all-wave communication receiver for the Amateur or Short Wave fan. Uses five highly efficient tubes in a modern stable T.R.F. circuit. Carefully designed to provide unusual selectivity with the greatest possible signal stability. No plug-in coils are used; bands are selected by switching. Has built-in power supply; break-in switch and headphone jack on panel; precisely calibrated main tuning dial; smooth, silent regeneration control; built-in Jensen dynamic speaker. Covers all Amateur, Short Wave Broadcast, Commercial and regular Broadcast bands from 9.5 to 550 meters. Smooth operating mechanical bandspread is controlled by separate tuning dial with absolute freedom from backlash. Model 11-AA may be used with either doublet or single wire antenna. Uses 1—6C6, 1—6D6, 1—76, 1—42, and 1—80 tubes. Housed in attractive, sturdy metal cabinet, finished in dark crackle enamel. For 110 volts, 60 cycles AC operation.

B10391. Complete with tubes. YOUR NET PRICE..... $52.00

Hammarlund Precision PRODUCTS



NEW "110" SERIES "SUPER PRO"

FINEST PROFESSIONAL TYPE COMMUNICATIONS RECEIVER

- **Electrostatically Shielded Input**
- **Noiseless Band Switching**
- **Two T. R. F. Stages on All Bands**
- **Continuously Variable Selectivity**
- **Visual Tuning Meter**
- **Calibrated Band-Width Control**

NEW 16 TUBE CIRCUIT

The world's finest all-purpose communication receiver. Built around a 16 tube superhet circuit that includes every major development in high efficiency receiver design. Includes more real features than any previous model, yet is simple enough for even the novice to tune in stations from every part of the world. Now available in two models: SP-110 tunes from 15 to 560 meters in 5 bands; SP-110S tunes from 7½ to 240 meters in 5 bands. Either model with or without crystal filter. Particularly suitable for all Commercial, Marine, Aircraft, Municipal, or Amateur communications work.

MANY NEW FEATURES

These new series 110 Super Pro receivers incorporate every desirable feature for maximum performance. Main tuning dial with 12 to 1 ratio calibrated in KC and MC. Variable bandwidth of 3 to 16 KC for high fidelity reception; with calibrated control. More features are: Beat oscillator, isolantite-mounted coils, noiseless bandswitching, A.V.C. and manual controls, variable I.F. sensitivity, bandspread on all H.F. bands and many others. Uses eight metal and eight glass tubes. Send for copy of Hammarlund catalog for complete data.

SEPARATE POWER SUPPLY

External power supply measures 13x7⅝x8½" over all; equipped with long connecting cable. Has a separate rectifier for grid-bias; supplies field excitation for the dynamic speaker. For 110 Volt, 60 Cycle A.C.

B10141. MODEL SP-110. Has full tuning range from 15 to 560 meters. Complete with tubes, power supply, and 8" speaker. For 110 volt 50-60 cycle operation. **NET $243.00**

B10142. MODEL SP-110S. Tuning range of 7½ to 240 meters. Complete with tubes, power supply and 8" speaker. For 110 volt 50-60 cycle operation. **NET $243.00**

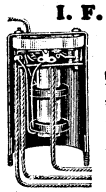
B10143. MODEL SP-110X. Same as Model SP-110 but has built-in crystal filter for extreme selectivity on C.W. and phone. With tubes, power supply and 8" speaker. For 110 volts, 50-60 cycles. **NET $261.00**

B10144. MODEL SP-110SX. Same as Model SP-110S but has built-in variable selectivity crystal filter. With tubes, power supply and 8" speaker. For 110 volts, 50-60 cycles. **NET $261.00**

The Super Pro is also available with rack mounting panel and dust cover; or with power supply for other voltages. Write for prices.

You can buy your Super Pro receiver on our convenient deferred payment plan. Complete schedule of payments will be sent on request.

I. F. TRANSFORMERS



TYPE "T"

Specially designed for experimental and replacement purposes. Double-tuned, with mica compression type condensers on isolantite base. Adjustable from top of can. Coils are litz-wound and wax-impregnated. Aluminum shield can is 2⅛" dia., 3⅜" high. Base mounting by threaded lugs on 2" centers.

Untapped	Frequency	Center Tapped
B5390	175	B5352
B5351	465	B5353
B5355	465	Beat Oscillator

List, $1.65. YOUR PRICE **99c**

TYPE "ST" MIDGETS

As above but in compact can, 1 7/16" square, by 2¾" high. Mtg. centers, 1 5/16".

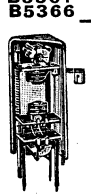
Untapped	Frequency	C.T.	
B5356	175	B5358	List, $1.65.
B5357	465	B5359	NET
B5354	262		EACH, **99c**



"AIR-TUNED" TYPE

For use where absolute stability is necessary. Air-tuned, with Litz-wound coils. Tune from top. Trimmer condenser mounted on isolantite. Provide gain in excess of 200 per stage with unequalled selectivity. Designed particularly for Screen Grid type tubes. Beat Oscillator has tuning lever to vary beat note. All leads RMA color-coded. Can, 2 3/32" dia., 5" high.

Untapped	Frequency	C.T.	
B5360	175	B5363	NET EACH
B5361	465	B5364	**$2.70**
B5366	465	Beat Oscillator.	



VARIABLE COUPLING TYPE

Type VT. Permits continuously variable selectivity from sharp peak to high fidelity; air-trimmed. IF frequency 465 KC. Size, 2"x2"x5".

B5378. NET $3.30

B5385. Type VTC. Variable coupling mechanism for panel control of up to 4 VT transformers. **NET.... $1.50**

B5383. Type VTF. Similar to VT, but with fixed coupling. For IF output stage.

B5384. Type VTF-CT. Center-tapped output IF transformer; to diode detector.

B5387. Type VTO. 465 KC. beat oscillator. For electron-coupled oscillator.

YOUR PRICE EACH $2.70



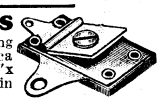
"TS-50" ALUMINUM TUBE SHIELD

Complete isolation is afforded by this shield for the new high-gain RF pentodes. Drawn-in neck completes shielding between grid and plate of tube. Special design affords maximum cooling. 4⅝" high, 1⅞" diameter. 1 27/32" mounting centers.

B5398. NET 24c

HAMMARLUND TRIMMING AND PADDING CONDENSERS

"EC" EQUALIZERS



For balancing, neutralizing and trimming purposes. Mica dielectric; bakelite base. 1¼" x 1 1/16". Adjusting screw in center.

B5374. 3-35 MMF. List, 30c, YOUR PRICE 18c

B5375. 25-80 MMF. List, 40c. YOUR PRICE 24c

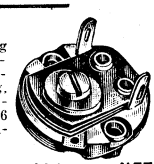
"MEX" EQUALIZER



Extremely small low-loss condenser. Screw adjustment. Isolantite base, with mica dielectric and phosphor bronze plates. 3 to 30 mmf. ⅝"x¾".

B5376. List, 30c. NET 18c

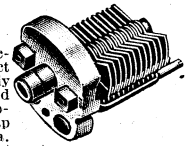
TYPE "IBT"



A high grade mica padding condenser on a 1 3/16 inch diameter Isolantite base. Maintains original capacity setting, resisting moisture, temperature and vibration. With 4-36 mounting studs on 1 5/16" centers.

No.	Mmf.	List	NET
B5420	10-70	50c	30c
B5421	70-140	60c	36c
B5422	140-220	70c	42c

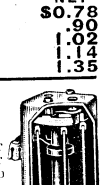
"APC" MICRO CONDENSERS



High quality air-dielectric condensers; compact in size. Particularly adaptable to S.W. and Ultra S.W. work. Isolantite base. Air gap .015". Will fit 1¼" dia. cans. Screwdriver adjustment.

No.	Max. Mmf.	Min. Mmf.	List	NET
B5324	25	3.0	$1.30	$0.78
B5325	50	3.9	1.50	.90
B5326	75	4.5	1.70	1.02
B5327	100	5.5	1.90	1.14
B5442	140	6.5	2.25	1.35

"ICT" IRON CORE I.F. TRANSFORMERS

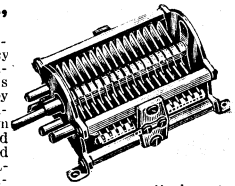


A new iron core I.F. transformer which provides maximum gain per stage coupled with extremely sharp selectivity. Core is of high permeability magnesium alloy; rust-proof and non-corrosive. Isolantite mounted trimmers. Size 1¾" square, 4⅛" high. Mounting centers 1⅝". I.F. frequency 165 KC.

		NET EACH
B5444.	Single stage input.	
B5445.	Single stage output.	
B5446.	Two stage input.	**$1.80**
B5447.	Two stage interstage.	
B5448.	Two stage output.	

TRANSMITTING CONDENSERS

TYPE "MTC"

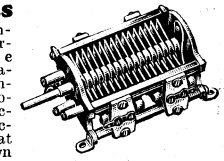


For high and ultra-high frequency units. High operating efficiency has been attained by careful workmanship. Aluminum plates, silver-plated rotor contacts, and Isolantite insulation, insure complete stability under all conditions. Each condenser comes with hardware for both panel or base mounting.

No.	Plates	Cap. Mmf.	Air Gap	Voltage Rating	NET
B5630‡	15	35	.171"	5500	$3.60
B5631†	5	20	.070"	3000	1.95
B5632†	7	35	.070"	3000	2.10
B5633†	11	50	.070"	3000	2.34
B5634†	21	100	.070"	3000	3.00
B5635†	31	150	.070"	3000	3.66
B5636*	5	50	.031"	1000	1.68
B5637*	11	100	.031"	1000	1.83
B5638*	15	150	.031"	1000	1.92
B5639*	25	260	.031"	1000	2.16
B5640*	35	365	.031"	1000	2.40

‡ Polished round-edged plates—.040" thick.
† Polished round-edged plates—.025" thick.
* Standard type plates—.025" thick.

"MTCD" DUALS

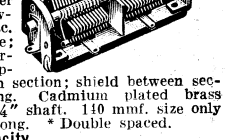


Similar in construction and characteristics to the "MTC" singles. Stators may be connected in series, providing a total capacity of half the capacity of one section at twice the breakdown voltage.

No.	Plates Per Sec.	Capacity Per Sec.	Plate Spacing	NET
B5641	5	20	.070"	$3.15
B5642	7	35	.070"	3.45
B5643	11	50	.070"	3.90
B5644	21	100	.070"	5.25
B5645*	5	50	.031"	2.70
B5646*	11	100	.031"	3.00
B5647*	15	150	.031"	3.15
B5648*	25	265	.031"	3.60

* Plain edges. Others are rounded.

H.F.D. DUAL MICRO CONDENSERS



A new dual condenser for use in low-powered transmitters, etc. Has Isolantite base; new split rear bearing; individual wiping contact for each section; shield between sections for grounding. Cadmium plated brass plates soldered to ¼" shaft. 140 mmf. size only 1½" high x 3¾" long. * Double spaced.

No.	Capacity Per Sec.	List	NET
B5437	50	$2.75	$1.65
B5438	100	3.25	1.95
B5439	140	3.75	2.25
B5440	28.5*	3.25	1.95

Hammarlund Precision PRODUCTS

HAMMARLUND CHOKES



MIDGET CHOKE CH-X

For receivers and transmitters. Adaptable to many uses in even the smallest space. Universal-wound. Thoroughly impregnated. Center core is of isolantite. May be mounted by its own leads in any position. D.C. resistance, 35 ohms. **Rated at 2.1 MH, 125 MA.** Size, 1½"x½".

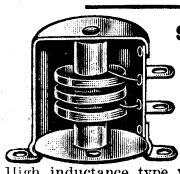
B5344. List, 60c. NET..... **36c**



CH-8

Low-loss 8 mh. R.F. choke. Ideal for all short-wave receivers and transmitters. Section-wound on compact isolantite spool. Moisture-proof windings are protected by lacquer and cellophane. Equipped with flexible leads and reversible end brackets for universal mounting. D.C. resistance, 70 ohms. Current rating 125 MA. Size, 1⅜"x⅞".

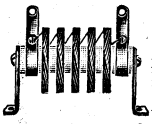
B5343. List, $1.10. NET..... **66c**



SHIELDED CH-10-S

A new shielded choke for use in high gain circuits. Completely enclosed in aluminum shell. Eliminates circuit instability through stray coupling. Universal-wound; thoroughly impregnated. High inductance type with very low distributed capacity. Diameter, 1⅜". Has removable mounting legs. Inductance, 10 mh. D.C. resistance, 65 ohms. 100 MA. cap.

B5381.
List, $1.00. YOUR PRICE..... **60c**



X'MITTING CHOKE CH-500

A heavy-duty choke for high power transmitters employing parallel feed. Universal-wound on Isolantite core. Has removable mounting brackets. Inductance 2½ mh.; D.C. resistance, 8 ohms. 500 MA. continuous rating. Size, 2½"x1¾₁₆".

B5345. List, $1.75.
NET **$1.05**

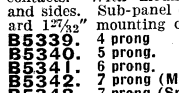


RFC-85

For use in plate circuits of all Broadcast and Short-Wave receivers. Has high inductance of 85 mh. with extremely low distributed capacity for maximum efficiency. D.C. resistance, 215 ohms. Max. current rating, 60 M.A. Bakelite case is 1¹³⁄₁₆" high and 1⁵⁄₁₆" diam.

B5349. List, $2.00.
NET **$1.20**

ISOLANTITE SOCKETS



STANDARD SOCKET

Low-loss isolantite sockets. Have long leakage paths with positive rust-proof side-gripping contacts. With mounting pillars. Glazed top and sides. Sub-panel or base mounting. Standard 1²⁷⁄₃₂" mounting centers.

List, 60c.
NET, EACH

B5339.	4 prong	
B5340.	5 prong.	
B5341.	6 prong.	**36c**
B5342.	7 prong (Medium).	
B5348.	7 prong (Small).	
B5337.	8 prong (Octal).	.....45c

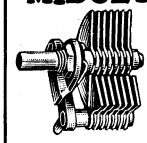


ACORN TUBE SOCKET

Designed for the new RCA 955, 956 and 954 Acorn type tubes. Low-loss. Glazed isolantite base. High surface resistivity. Silver-plated bronze spring clips. 1⅞" in diameter with two mounting holes. 1⅜" mtg. centers.

B5338. List, $1.50.
YOUR PRICE **90c**

HAMMARLUND "STAR" MIDGET CONDENSERS



A popular low priced midget for set builders, experimenters and laboratories. Sizes for short wave tuning, regeneration, antenna coupling, verniers, etc. Single hole mount, ¼" shaft. Size, 1⁹⁄₁₆"x1¾" high and up to 1½" deep behind panel, depending on capacity.

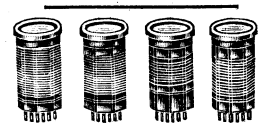
No.	Type	Mmf.	List	NET
B5328	SM- 15	15	$0.85	**51c**
B5329	SM- 25	25	.85	
B5330	SM- 50	50	.90	54c
B5331	SM-100	100	1.00	60c
B5332	SM-140	140	1.25	75c

"STAR" DOUBLE-SPACED CONDENSERS

Similar to standard "STAR" condensers listed above, but with greater air-gap between adjacent rotor and stator plates, allowing use in low-power transmitter circuits.

B5333. Max. capacity 35 mmf.
List, $1.00. NET..... **60c**

B5335. Max. capacity 50 mmf.
List, $1.25. NET..... **75c**



HAMMARLUND "SWK" S.W. PLUG-IN COILS

Efficient, well-designed S.W. coils. Wound on low-loss XP-53 forms. High frequency coil secondaries have heavy silver-plated wire. Others have heavy enameled copper wire. For use with 140 mmf. condenser.

4 PRONG COILS: 17-270 METERS. Kit of 4, two-winding coils.
B5367. List, $3.00 NET..... **$1.80**

6 PRONG COILS: 17-270 METERS. Kit of 4, three-winding coils.
B5368. List, $3.75. NET..... **$2.25**

INDIVIDUAL "SWK" COILS

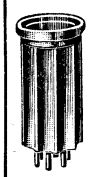
4 prong coils have two windings; 6 prong have three windings. For 140 mmf. condenser.

Range	4 Prong	6 Prong
10-20 Meters	B5399	B5389
17-41 Meters	B5390	B5392
33-75 Meters	B5391	B5393
NET EACH	**60c**	**75c**
66-150 Meters	B5394	B5396
135-270 Meters	B5395	B5397
NET EACH	**45c**	**60c**

Broadcast Coils: 250-560 Meters

B5369. 4 PRONG, two-winding coil. **75c**
List, $1.25. NET.....

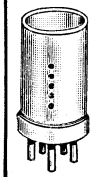
B5370. 6 PRONG, three-winding coil. **90c**
List, $1.50. NET.....



NEW SWF LOW-LOSS COIL FORMS

Rugged low-loss forms; of XP-53. Ribbed for air-spacing, with flange grips. Have shelf inside for mounting padding condenser. 1½" dia. x 2⅞" long. Natural amber color.

B5371. 4 PRONG }
B5372. 5 PRONG } Ea. **21c**
B5373. 6 PRONG.....24c

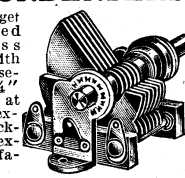


ULTRA SHORT WAVE COIL FORMS

Isolantite coil forms designed for maximum efficiency at ultra-high frequencies. Forms are 1⅛" in diameter, 2" long exclusive of prongs, and have holes drilled to permit almost any type of experimental winding. Made only in five prong type. Ideal for coils tuning the 28 and 56 megacycle bands.

B5382. List, $1.00.
YOUR PRICE **60c**

MIDGET CONDENSERS



High quality midget condensers. Insulated with Isolantite. Brass plates .0225" thick with an .0245" air gap are securely fastened to the ¼" shaft. Wide bearings at front and rear provide extra good contact. Clockwise rotation. Shaft extends beyond rear to facilitate ganging.

No.	Plates	Min. Mmf.	Max. Mmf.	List	NET
B5300*	3	4.5	20	$1.40	**$0.84**
B5301*	5	5	35	1.50	**.90**
B5302*	7	6	50	1.60	**.96**
B5298	7	6	50	1.60	**.96**
B5303*	11	7	80	2.00	**1.20**
B5304	11	6.5	80	2.00	**1.20**
B5305*	14	7.5	100	2.25	**1.35**
B5306	14	7	100	2.25	**1.35**
B5307	19	8	140	2.50	**1.50**
B5299*	19	9	140	2.50	**1.50**
B5308	27	10	200	2.75	**1.65**
B5309	34	11	260	3.00	**1.80**
B5310	43	13	320	3.50	**2.10**

*Semi-circular plates. All others are Midline.

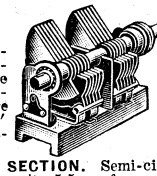
DOUBLE-SPACED MIDGETS

Have special bearings and Isolantite insulation. Exceptionally efficient at ultra-high frequencies. Air-gap, .0715".

No.	Max. Mmf.	Min. Mmf.	List	NET
B5433	20	6.5	$2.00	**$1.20**
B5316*	20	7	2.00	**1.20**
B5317*	32	7	2.25	**1.35**
B5318	32	7.5	2.25	**1.35**
B5319*	50	9.5	2.75	**1.65**
B5320	50	9	2.75	**1.65**

*Semi-circular plates. All other are Midline.

DUAL MIDGET CONDENSERS



Rigid, high quality two-gang midget condensers, designed especially to provide added efficiency at ultra-high frequencies. Plates are .0225" brass, with .0245" air-gap. Overall length behind panel, 3¼".

B5434. 50 MMF. PER SECTION. Semi-circular Plates. Minimum capacity 5.5 mmf.
B5435. 50 MMF. PER SECTION. Midline Plates. Min. cap. 5 mmf.
List, $3.00. NET EACH..... **$1.80**

B5311. 100 MMF. PER SECTION. Midline Plates. Minimum capacity 6 mmf.
B5346. 100 MMF. PER SECTION. Semi-circular Plates. Min. cap. 6.5 mmf.
List, $3.50. NET EACH..... **$2.10**

B5312. 140 MMF. PER SECTION. Midline Plates. Minimum capacity 7 mmf.
B5347. 140 MMF. PER SECTION. Semi-circular Plates. Min. cap. 8 mmf.
List, $4.00. NET EACH..... **$2.40**

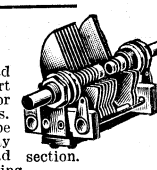
DOUBLE-SPACED DUAL MIDGETS

Similar to above dual condensers, but have air-gap of .0715" between adjacent rotor and stator plates. Ideal for compact 5 meter transmitters using 45's or 10's, etc., in push-pull.

No.	Max. Mmf.	Min. Mmf.	List	NET
B5321	31	6	$3.50	**$2.10**
B5322*	31	6.5	3.50	**2.10**

*Semi-circular plates. Other is Midline.

BANDSPREAD MIDGETS



For use as bandspread tuning condensers in short wave receivers and for amateur frequency meters. "Tank" section may be locked, and all tuning may be done with bandspread section.

Stock No.	Tank Cap., Mmf.	Tuning Cap., Mmf.	List Price	NET PRICE
B5313	100	18	$3.00	**$1.80**
B5314	100	50	3.25	**1.95**

CONDENSER COUPLING



Bakelized canvas insulation; brass bushings. Flexible; for ganging condensers, etc., without need of exact shaft alignment. For ¼" shafts. 1½" diameter.

B5323. List, 60c.
YOUR PRICE **36c**

Transmitting Equipment


RK49

RAYTHEON
TRADE-MARK

TRANSMITTING TUBES

Ruggedly built to give excellent service and long life at full rated output.

RK49

A new beam-power type Tetrode for Amateur use. Fil., 6.3V at .9 Amps. Plate, 400 V. max. at 100 MA. max. Power output, 25 watts. 6 prong Isolantite base.

B676. NET..... $2.10

RK39

A beam-power transmitting tube for oscillator or doubler use. Fil., 6.3V.; Plate voltage, 750 V. at 80 MA. max. Power output, 20 to 30 watts.

B672. NET..... $3.50


RK39

TRIODES

Type	No.	Plate Diss.	Class of Service	NET
RK10	B650	12W	B-C	$3.50
RK16	B651	10W	A-C	4.50
RK18	B653	35W	B-C	10.00
RK24	B657	1.5W	C	2.25
RK30	B661	35W	B-C	10.00
RK31	B662	40W	B	10.00
RK32	B663	50W	C	12.00
RK34	B664	10W	B-C	3.50
RK35	B665	35W	C	8.00
RK36	B666	100W	C	14.50
RK37	B667	35W	B-C	8.00
RK38	B668	100W	B-C	14.50
RK41	B669	20W	C	3.50
RK42	B670	21W	A	1.10
RK43	B671	Dual Triode		1.50
RK100	B677	10W	C	7.00
841	B678	12W	C	3.25
842	B679	12W	A	3.25
864	B680	Preamplifier	A	1.00

PENTODES

Type	No.	Plate Diss.	Class of Service	NET
RK17	B652	10W	A-C	$ 4.50
RK20	B654	40W	C	15.00
RK20A	B655	40W	C	17.50
RK23	B656	10W	C	4.50
RK25	B658	10W	C	4.50
RK25B	B659	10W	C	3.90
RK28	B660	100W	C	34.50
RK39	B672	20W	C	3.50
RK44	B673	15W	C	8.50
RK45	B674	10W	B	5.95
RK46	B675	40W	B	21.75

RECTIFIERS

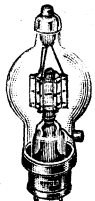
Type	No.	Peak Volts	Max. Amps.	NET
RK19	B683	1250	0.3	$ 7.50
RK21	B684	1250	0.3	5.00
RK22	B685	1250	0.3	7.50
866A	B686	10,000	0.6	4.00
872A	B687	10,000	2.5	16.50

TETRODES

Type	No.	Plate Diss.	Class of Service	NET
RK47	B681	50W	C	$17.50
RK48	B682	100W	C	27.50
RK49	B676	21W	C	2.10

CLASS OF SERVICE. CLASS A: Audio Amp.; **CLASS B:** Class "B" Mod. or Class "B" RF Amp.; **CLASS C:** R.F. Osc., Buffer, Doubler, or Amp.

EIMAC TUBES



Designed especially for heavy service, this line of tubes has a reputation for being able to "take a beating" and for long life. Plates and grids of tantalum; envelopes of hard Nonex glass. Will operate efficiently at either high or low frequencies. Real values; used by leading Amateurs.

TYPE 35T

Low-power general-purpose triode. Fil. 5 V. at 4 A.; Plate voltage 200 to 1500; Plate dissipation 35 watts. Ideal for use as H.F. oscillator or doubler.

B1130. YOUR PRICE..... $8.00

TYPE 100T-L

General-purpose triode. Amplification factor 12. Plate dissipation 100 W.; Class C power output up to 400 W. For R.F. service or Class B modulator.

B1131. YOUR PRICE..... $13.50

TYPE 100T-H

General-purpose triode. Amplification factor 30. Same as 100T-L but requires less driving power and lower bias. Especially suited for use in diathermy equipment.

B1132. YOUR PRICE..... $13.50



OHMITE R.F. PLATE CHOKES

High efficiency R.F. chokes for all transmitter circuits. Single layer windings on ceramic core are held in place and insulated with a moisture-proof coating. Rated at 1000 MA.

B8250. TYPE Z1. For the 5 meter band. Inductance, 5.4 microhenries. D.C. resistance, .85 ohms. Only 1¾" long with convenient pig-tail leads.

NET..... 15c

B8251. TYPE Z2. For 10 and 20 meters. 35 microhenries. Resistance, 2 ohms. Length, 3"; diam. 11/16". With mtg. brackets.

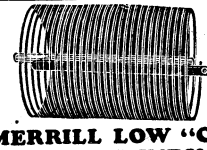
NET..... 44c

B8252. TYPE Z3. For 20 and 40 meters. 95 microhenries. Resistance, 5 ohms. Length, 6"; diam. 11/16". With mtg. brackets.

NET..... 65c

B8253. TYPE Z4. For 20, 40, 80, 160 meters. 220 microhenries. Resistance, 9 ohms. Size, 6½x⅞". With mounting brackets.

NET..... 88c



MERRILL LOW "C" TRANSMITTING INDUCTORS

Designed for maximum efficiency in high or low power transmitters. Low dielectric losses; rigid construction. More efficient, less bulky than copper tubing. "T" series coils which are wound with No. 10 wire will stand 1 KW. input. "B" series coils are for medium power rigs; "A" series are for Antenna Coupling.

No.	Type	Turns	Dia.	NET
B2675	20A	5	3¼	$0.69
B2676	40A	8	3½	.81
B2677	80A	12	4½	1.02
B2678	160A	16	5	1.20
B2679	20B	11	2⅝	.90
B2680	40B	22	2¾	1.05
B2681	80B	38	2¾	1.29
B2682	160B*	38	4	1.35
B2683	20T	10	3¼	1.26
B2684	40T	20	3½	1.56
B2685	80T	28	4½	1.86
B2686	160T*	42	5	2.16

*For use with 75 mmf. capacitor. Other "B" and "T" coils use 35 mmf.

OHMITE VOLTAGE DIVIDERS



Ideal for transmitter power supplies. Conservatively rated. Have sliding contacts. 100 watt size is 6½" long; 200 watt, 10½" long. Hollow ceramic core permits adequate air circulation to prevent overheating; covered with baked enamel coating, open only on contact side.

100 WATTS

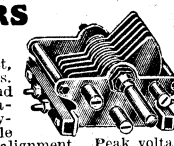
No.	Ohms	MA.	NET
B8255	10,000	100	$1.32
B8256	25,000	56	1.32
B8257	50,000	28	1.47
B8258	75,000	16	1.62
B8259	100,000	14	1.62
B8260	EXTRA SLIDER		.09

200 WATTS

No.	Ohms	MA.	NET
B8261	10,000	141	1.76
B8262	25,000	89	2.06
B8263	50,000	49	2.06
B8264	75,000	30	2.06
B8265	100,000	20	2.06
B8266	EXTRA SLIDER		.09

CARDWELL CONDENSERS

MIDWAY



Sturdily built, compact, variable condensers. Aluminum plates and frames are carefully machined and finished; Mycalex insulation. Double bearings assure perfect alignment. Peak voltage ratings are at 4 MC. Shaft ¼"x1". With panel bushings. Mtg. space, 3"x2⅛".

RECEIVING

Small and compact. Ideal for portable receivers or low-power portable transmitters. Aluminum plates and frame. Cadmium-plated steel shaft. Air gap, .070". Peak voltage, 1000.

No.	Mmf.	NET
B2840	25	$1.59
B2841	50	1.65
B2842	70	1.73
B2843	105	1.79
B2844	150	1.85
B2845	260	1.94
B2846	365	2.23

TRANSMITTING

For medium-power transmitters up to 100 watts CW. or 30 Watts phone. Plates rounded edges and are polished. Suitable for both tuning and neutralizing. Air gap, .070". Peak voltage, 3000.

No.	Mmf.	NET
B2850	20	$1.91
B2851	35	2.06
B2852	50	2.20
B2853	70	2.62
B2854	100	2.88
B2855	150	3.53

MIDWAY DUALS

CAT. NO.	TYPE NO.	MMF. Per Sec.	PEAK V. Per Sec.	NET
B2863	MR- 25-BD	25	1200	$2.56
B2864	MR- 50-BD	50	1200	2.76
B2865	MR-150-BD	150	1200	3.12
B2833	MR-100-BD	100	1200	3.00
B2866	MR-260-BD	260	1200	3.23
B2867	*MT- 20-GD	20	3500	3.26
B2868	*MT- 50-GD	50	3500	3.73
B2869	*MT- 70-GD	70	3500	4.10
B2834	*MT-100-GD	100	3500	4.70
B2835	*MO-180-BD	180	2000	4.70

*Rounded Plate Edges.

TRANSMITTING TYPES

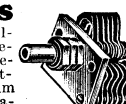
Incorporate every advanced feature in modern condenser design. Mycalex insulated. Accurate and reliable. Rigid and vibration-proof. Peak voltage ratings are at 4 MC. Condensers rated at 4000 volts and over have polished extra heavy plates with rounded edges. Compact size.

CAT. NO.	TYPE NO.	CAP. MMF.	PEAK V.	NET
B2828	XT-220-PS	220	3500	$2.65
B2829	XT-440-PS	440	3500	4.53
B2815	XP- 90-KS	90	4000	2.65
B2816	XP-165-KS	165	4000	3.82
B2817	XP-290-KS	290	4000	5.59
B2818	XP-330-KS	330	4000	6.35
B2819	XE-240-KS	240	4250	6.35
B2820	XG-110-KS	110	5250	5.70
B2821	TJ-150-US	150	5200	13.52
B2822	TJ-315-US	315	5200	18.82
B2811	TZ- 80-RS	80	12000	23.23

TRANSMITTING DUALS

CAT. NO.	TYPE NO.	MMF. Per Sec.	PEAK V. Per Sec.	NET
B2837	XT- 80-PD	88	3500	$3.23
B2838	XT-210-PD	214	3500	5.12
B2831	XP-325-KD	325	4000	12.94
B2823	XG- 50-KD	50	5250	6.29
B2824	XG-110-KD	110	5250	10.58
B2836	TZ- 40-RD	40	12000	25.28

TRIM-AIR MIDGETS



For use wherever high quality midget condensers are required. Rigid, Isolantite-mounted assembly insures greatest possible stability; minimum losses. Universal mounting facilities. Small enough to mount inside IF or RF shield can. Two or more can be easily ganged. Can be used for midget tuning condenser or low power neutralization. With mounting hardware and extension shaft.

1000 VOLT PEAK

Stock No.	Cap. Mmf.	NET PRICE
B2832	10	$0.73
B2856	15	.73
B2857	25	.82
B2858	35	.88
B2859	50	.94

750 VOLT PEAK

No.	Mmf.	NET
B2860	75	$1.00
B2861	100	1.03
B2862	140	1.85

3000 VOLT PEAK

B2847	30	1.09

4900 VOLT PEAK

B2839	4	1.09

B2848. 4 Purpose Condenser. For ultra-high frequency work. 2 or 3 plate condenser with solid or split stator.

NET..... 73c

Transmitting Equipment



RCA DeFOREST TRANSMITTING TUBES

The complete line of RCA deForest transmitting tubes offers a tube for every Amateur need. Accepted by Amateurs all over the world. Our listing below is complete, covering all types available.

NEW RCA-807 BEAM POWER TUBE

Designed for RF service. Plate connection at top; ceramic base. Improved shielding eliminates neutralizing. Plate dissipation 21 watts. Fil. 6.3 volts at 0.9 Amp. Max. plate 400 V. at 95 MA.

B312. NET **$3.90**



NEW RCA-913 CATHODE RAY TUBE

A new low-voltage cathode ray tube of the electrostatic deflection type. Has one inch screen. Especially suited for incorporation in Amateur transmitters, oscilloscopes and oscillographic equipment.

B349. NET **$5.00**

TRIODES AND PENTODES

Type	Cat. No.	Plate Dis.	Class of Service	NET
203A	B300	100W	B-C	$15.00
204A	B301	250W	B-C	97.50
211	B302	75W	A-B-C	15.00
800	B305	35W	B-C	10.00
801	B306	20W	A-B-C	3.45
802	B307	10W	C	3.90
803	B308	125W	C	34.50
804	B309	40W	C	15.00
805	B310	125W	B-C	15.00
806	B311	150W	B-C	24.50
807	B312	21W	C	3.90
808	B313	50W	B-C	10.00
830B	B314	60W	B-C	10.00
834	B315	50W	C	12.50
837	B317	12W	C	8.50
838	B318	100W	B-C	16.00
840	B319	1W	A	6.00
841	B320	15W	A-B-C	3.25
842	B321	12W	A	3.25
843	B322	15W	A-C	12.50
844	B323	15W	C	18.00
845	B324	75W	A-B	15.00
849	B325	300W	A-B-C	160.00
850	B326	100W	C	37.50
852	B327	100W	C	16.40
860	B328	100W	C	32.50
864	B329	Preamplifier	A	1.00
865	B330	15W	C	12.75
868	B333	Phototube	.....	3.70
917	B350	Phototube	.....	4.75
918	B351	Phototube	.....	4.50
919	B352	Phototube	.....	4.75
920	B353	Phototube	.....	5.25
954	B354	Acorn Pentode	C	5.00
955	B355	Acorn Triode	C	3.00
956	B356	Acorn Pentode	C	5.00
1602	B357	12W	A-B-C	2.75
1603	B358	Preamplifier	A	4.75
1608	B359	20W	C	4.00
1609	B360	Preamplifier	A	1.60
1610	B361	5W	C	2.00

RECTIFIERS

Type	Catalog Number	Peak Inv. Volts	Max. Amps.	NET
217A	B303	3500	0.6	$20.00
217C	B304	7500	0.6	20.00
836	B316	5000	0.25	11.50
866	B331	7500	0.5	1.75
866A	B332	10000	0.5	4.00
872	B334	7500	2.5	14.00
872A	B335	10000	2.5	16.50
878	B336	20000	0.005	11.00
879	B337	7500	0.007	3.00
885	B338	Gas Triode	.....	2.00

CATHODE-RAY TUBES

903...**B339.** 9 in. Electromagnetic Deflection ..... $ 86.00

904...**B340.** 5 in. Electrostatic-Magnetic Deflection 52.50

905...**B341.** 5 in. Electrostatic Deflection 45.00

906...**B342.** 3 in. Electrostatic Deflection 15.00

907...**B343.** 5 in. Electrostatic Deflection 48.75

908...**B344.** 3 in. Electrostatic Deflection 18.00

909...**B345.** 5 in. Electrostatic Deflection 49.00

910...**B346.** 3 in. Electrostatic Deflection 21.25

911...**B347.** 3 in. Electrostatic Deflection 22.50

912...**B348.** 5 in. Electrostatic Deflection 163.40

913...**B349.** 1 in. Electrostatic Deflection 5.00

CLASS OF SERVICE: CLASS A: Audio Amplifier. **CLASS B:** Class B Modulator or R.F. Amplifier. **CLASS C:** R.F. Oscillator or Amplifier.

COTO CONTROL WHEEL



A new line of dials and indicators especially suited for use on Amateur transmitters. Combine the many advantages of both pointer and dial in a single attractive professional type control. Will give your equipment that much desired commercial appearance. Wheel is molded black bakelite fitted with aluminum pointer; for ¼" shaft. Dial scale is black-finished aluminum with polished aluminum marking. Name plates attach easily with two small pins. 3¼" wheel has a pointer radius of 1⅞"; scale width, 5¼" dia. 2¼" wheel has a pointer radius of 1¼"; scale width, 3⅝" dia. Name plates available as follows: OSCILLATOR; OSC. PLATE; BUFFER; BUFFER PLATE; DOUBLER; DOUBLER PLATE; BUFR. DBLR. PLATE; GRID; PLATE; TANK; NEUTRALIZE; PWR. AMP. GRID; PWR. AMP. PLATE; ANTENNA. **Specify name plate desired when ordering complete control.**

B2665. 3¼" Control Wheel. With name plate. NET..... **$1.47**

B2666. 3¼" Control Wheel Only. With pointer. NET..... **1.18**

B2667. 2¼" Control Wheel. With name plate. NET..... **1.18**

B2668. 2¼" Control Wheel Only. With pointer. NET..... **.88**



INSULATED GRID CAPS

B6331. Standard size for receiving tubes. Black insulation. NET EACH **6c**

B6333. Large size for transmitting tubes such as 866, etc..... **11c**

RCA TUBE DATA BOOK

B385. Contains valuable technical and operating information on RCA-deForest Amateur Transmitting tubes. NET..... **10c**

TECHNICAL SUPPLEMENT

Contains information on these new tubes; RCA 801, 802, 838, 850, 954 and 955.

B386. NET **10c**

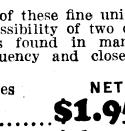
BOTH FREE WITH TUBE PURCHASE

CATHODE RAY TUBE DATA

A complete booklet on the operation of Cathode Ray tubes. Detailed data of real value.

B387. YOUR PRICE **25c**

KNIGHT UNMOUNTED TRANSMITTER CRYSTALS



High quality, inexpensive, unmounted X-cut crystals. Accurately ground from the finest quartz available; individually calibrated by a leading manufacturer of fine quartz crystals. Calibration will be within .1% of operating frequency under normal conditions, dependent on type of mounting used. Each one of these fine units has only one frequency; no possibility of two or three spurious frequencies as found in many cheap crystals. Specify frequency and closest stock unit will be shipped.

No.	Frequency Kilocycles	NET
B2510.	7000-7300	$1.95
B2511.	3500-4000	$1.50
B2512.	1715-2000	$1.50

NET .....

Taylor Tubes



TRANSMITTING TYPES

New Ultra H. F. Tubes

T20 Oscillator, R.F. Amplifier, Modulator. Plate dissipates 20 watts. B1100. NET. **$2.45**

TZ20 Zero bias Oscillator, R.F. Amplifier, Modulator. B1101. NET **$2.45**

T55 Oscillator, R.F. Amplifier. Plate dissipates 55 watts. B1102. NET **$8.00**

T125 Oscillator, R.F. Amplifier. Plate dissipates 125 watts. B1103. NET **$13.50**

T155 Oscillator, R.F. Amplifier. Plate dissipates 155 watts. B1104. NET **$19.50**

T200 Oscillator, R.F. Amplifier. Plate dissipates 200 watts. B1105. NET **$21.50**

814 Oscillator and R.F. Amplifier. Plate dissipates 200 watts. B1106. NET **$18.50**

GENERAL PURPOSE TUBES

866B Half-Wave mercury vapor rectifier. B1107. NET.. **$3.00**

866 Jr. Half-Wave mercury vapor rectifier. B1108. NET.. **$1.00**

866 Half-Wave mercury vapor rectifier. B1109. NET.. **$1.65**

756 Oscillator, Doubler, Modulator. Dissipates 40 watts. B1110. NET **$4.95**

825 Oscillator, R.F. Amplifier. Dissipates 40 watts. B1111. NET **$4.95**

203B (Metal Plate) Audio and low power R. F. Amplifier. Dissipates 50 watts. B1112. NET..... **$7.50**

203Z (Metal Plate) Zero Bias Modulator. Dissipates 65 watts. B1113. NET **$8.50**

841A H. F. Oscillator, Doubler, R.F. Amplifier. Dissipates 50 watts. B1114. NET **$7.00**

845 Audio Amplifier, Modulator. Delivers 22 to 28 watts Class A. B1115. NET..... **$12.50**

203A Oscillator, R.F. Amplifier, Modulator. Dissipates 100 watts. B1116. NET..... **$12.50**

211C H. F. Oscillator, R.F. Amplifier, Modulator. Diss. 100 watts. B1117. NET..... **$12.50**

HD203A Oscillator, R.F. Amplifier, Modulator. Diss. 150 watts. B1118. NET..... **$14.50**

822 (Super HD203A) Osc., Amp., Mod. Dissipates 200 watts. B1119. NET..... **$18.50**

POPULAR AMPEREX TRANSMITTING TUBES



A well-known and reliable line of tubes, extremely popular with Amateurs and Experimenters. Carefully manufactured; built to rigid specifications. Graphite anodes, Channel type element supports, riveted plate contacts, non-weld grid structures, and high efficiency filaments, are but some of the many features which make them leaders in the field. Popular types are listed below. We can supply all other Amperex tubes. Order with deposit.

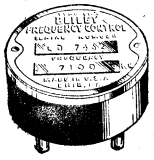
ZB120 Zero-bias A.F. and R.F. Power Amplifier and Modulator. Plate dissipation 75 watts. B1125. NET..... **$10.00**

HF100 R.F. Amplifier, Oscillator, Class B Modulator. Plate dissipation 75 watts. B1126. NET..... **$12.50**

HF200 R.F. Amplifier, Oscillator, Modulator. Plate dissipation 160 watts. B1127. NET. **$24.50**

HF300 R.F. Amplifier, Oscillator, Modulator. Plate dissipation 200 watts. B1128. NET. **$35.00**

Transmitting Equipment



BLILEY MOUNTED CRYSTALS

Cut from the finest raw Brazilian quartz; accepted as standard by Amateurs throughout the entire world. Precision ground in the world's finest crystal laboratory. Frequency calibrations given are arrived at by comparison with a standard which is accurate to two parts in ten million, resulting in a precise, accurately calibrated crystal.

TYPE LD2

A new crystal with many features. Frequency drift is less than 4 cycles per megacycle per degree C.; eliminates need for oven equipment. Calibration is within .03%. Specify frequency.

FREQUENCY WITHIN 5 KC.

No.	Band MC	NET EACH
B2515	7.0	$4.80
B2516	3.5	
B2517	1.7	

EXACT FREQUENCY

No.	Band MC	NET EACH
B2518	7.0	$5.90
B2519	3.5	
B2520	1.7	

TYPE HF2

Specifically designed for the higher frequency bands. Available in two ranges: for 20 meter operation, and for multiplying into the 10 and 5 meter bands. "C" cut crystal has drift of only 20C/MC/°C; mounted between stainless steel machine-lapped electrodes in a holder of molded Victron G. Specify frequency.

No.	Frequencies	Within	EACH
B2521	14.0 to 14.4 MC	15 KC	$ 6.50
B2522	14.4 to 15.0 MC	30 KC	
B2523	14.0 to 14.4 MC	5 KC.....	10.00
B2524	14.4 to 15.0 MC	5 KC.....	15.00

TYPE BC3

Type BC3. Accurately calibrated X-cut crystal mounted in a molded bakelite holder, having exposed heat-radiating electrode. Plugs into 5 prong tube socket. Calibration is within .03%. Specify frequency when ordering.

STOCK NO.	Frequency Within	Band MC	NET EACH
B2525	± 5 KC	7.0	$3.95
B2526	± 5 KC	3.5	
B2527	EXACT	7.0	$4.95
B2528	EXACT	3.5	

TYPE CF1 CRYSTAL FILTER

For crystal filter circuits in Single Signal receivers. Vertical mounting Steatite holder; pins fit 5 prong socket. Holder size, 1¼x1¼x⅞". Supplied for 456 KC filters.

B2529. NET $5.50



VARIABLE FREQUENCY UNIT TYPE VF-1

Easily adjusted variable crystal. Can be shifted up to 6 KC at the fundamental 3.5 MC frequency. Drift less than 4 C./MC./°C. Plug-in socket mount.

B2530. Within 5 KC of specified 3.5 MC frequency. NET..... $8.00

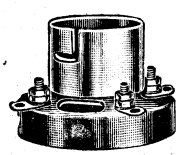
B2531. Exact specified 3.5 MC frequency. NET..... $10.00



BLILEY CRYSTAL HOLDERS

Molded bakelite holders for inch square crystals. Threaded screw top. Plugs into tube socket. Mounts in any position.

B2532. 20-40 meter.
B2533. 80-160 meter. EACH..... 95c



JOHNSON X-MITTING SOCKETS

B6140. UX BASE. For type 10, 52 or other UX base tubes. Porcelain insulation; heavy spring contacts. List, 85c.
NET 50c

36141. 50 WATT socket. Porcelain base with heavy dual phosphor bronze contact springs. Cadmium plated. List, $1.25. NET..... 73c



MIDGET STAND-OFF INSULATORS

Small glazed porcelain units. Inexpensive and efficient insulators for multi-stage rigs.

B6142. 2 inches high. Body 1 9/16" with 10-32 nickel plated brass hardware.
NET EACH 7c

B6143. 1⅜" high. Body 1" with 8-32 nickel plated brass hardware.
NET EACH 5c

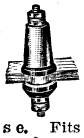
B6144. 13/16" high. Body ½" with 6-32 hardware. A tiny unit.
NET EACH 4c



JACK TYPE

An assembly of 2" stand-off insulator and light duty jack. For low-power use.

B6145.
NET EACH 9c



FEED-THRU STAND-OFF INSULATORS

The ideal method of bringing leads through chassis bases, or through sub-panels. Sturdy insulators of glazed porcelain. Universally accepted for transmitter use.

B6110. 1¼" high, ⅞" dia. base. Fits 7/16" hole.
NET EACH 15c

B6111. ⅞" high, ¾" dia. base. Fits 7/16" hole.
NET EACH 12c

B6112. ⅝" high, ⅝" dia. base. Fits 5/16" hole.
NET EACH 7c

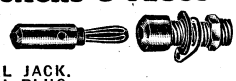


JACK TYPE FEED-THRU

Same units as listed above, but fitted with built-in jack on top. Jack fits standard GR plug.

B6113. 1¼" high, ⅞" dia. base; fits 7/16" hole.
NET 18c

B6114. ⅞" high, ¾" dia. base; fits 7/16" hole.
NET 15c



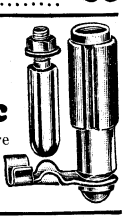
GR TYPE JACKS & PLUGS

Banana type plugs. Prongs of spring brass.

B6343. METAL JACK.
B6342. METAL PLUG.
DOZ., 41c. EACH..... 4c

PLUG	INSULATED TYPE	JACK
B6345	RED	B6347
B6346	BLACK	B6348

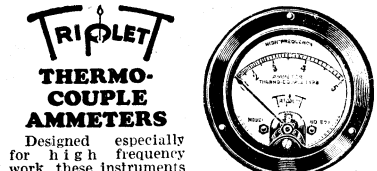
100 FOR $4.90.
10 ASSTD., 55c. EACH..... 6c



TRANSMITTING CONNECTORS

B6146. JACK. 1⅛" high. Mounts with a 10-32 screw.
NET
EACH..... 12c

B6147. PLUG. Fits above jack. ¼" diameter with 10-32 nut; has hole in end. Fits ¼" copper tubing.
NET EACH 4c



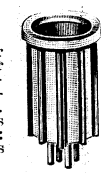
THERMO-COUPLE AMMETERS

Designed especially for high frequency work, these instruments are accurate to within 2%. Ideal for use in amateur transmitters or wherever currents of radio frequencies must be measured. External couples will stand 50% overloads and are easily replaceable. Moulded bakelite case, flange mounting type, 3½" size.

MODEL 341

No.	Amp.	List	NET EACH
B8890	0-1	$10.00	$6.53
B8891	0-1.5	10.00	
B8892	0-2.5	10.00	
B8893	0-5	10.00	

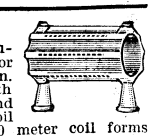
TRANSMITTING COIL FORMS



An ideal inductance form for transmitters and for numerous other uses. Bakelite body, 2¼" diameter, 3½" long, with molded finger grip rim. Winding space, 3¼". Ribs extending ¼" insure low-loss air-core winding. Two styles: plain and grooved. Grooved forms are threaded 12 turns per inch.

PLAIN FORMS No.	Prongs	GROOVED FORMS No.	Prongs
B2650	4	B2661	4
B2651	5	B2662	5
B2652	6	B2663	6
NET EACH	44c	NET EACH	59c

COIL FORMS



Low-loss coil forms of Insulex. Particularly adapted for 20 and 10 meter operation. Threaded for No. 10 wire with plenty of holes for wire and supports. 20 and 40 meter coil forms 2½"x5": 80 and 160 meter coil forms 4"x6½".

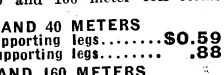
FOR 20 AND 40 METERS

B5696. Less supporting legs..... $0.59
B5697. With supporting legs..... .88

FOR 80 AND 160 METERS

B5698. Less supporting legs..... $1.18
B5699. With supporting legs..... 1.32

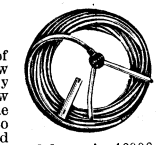
SOFT-DRAWN COPPER TUBING



For winding your own inductances. Made of seamless soft drawn copper, annealed. Bends easily. 1/32" wall. Maximum lengths, 25 feet.

Stock No.	Outside Diam.	NET PER FOOT
B2475	1/8"	4c
B2476	3/16"	5c
B2477	¼"	6c
B2478	5/16"	8c
B2479	⅜"	9c
B2480	½"	13c

CONCENTRIC FEEDER CABLE



For feeding any type of transmitting antenna. A new flexible cable, completely weatherproofed; with new molded rubber seal at triangle terminus for connecting to either voltage or current-fed antenna systems. Dielectric breakdown is 46000 volts; surge impedance, 62 ohms. Will handle up to 1 KW. with constant overall efficiency.

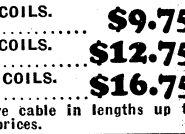
B2472. 50 FOOT COILS.
NET $9.75

B2473. 75 FOOT COILS.
NET $12.75

B2474. 100 FOOT COILS.
NET $16.75

We can supply above cable in lengths up to 1000 feet. Write for prices.

GUARDIAN RELAYS



MODEL B-100

Especially suitable for use in break-in circuits. D.P.D.T. type. Will provide rapid switching from receiving to transmitting with minimum number of control switches. Can be used in a number of methods to permit fast break-in operation for CW or for push-to-talk circuits for phone transmitters. Exceptionally heavy magnets and return springs for clean high-speed break. Heavy silver contacts. For 110 volt AC.

B7684. NET..... $4.41

MODEL K-100

May be used in all types of keying circuits. S.P.S.T. type. Pure silver contacts break clean; positive return springs allow high speed keying without sputtering. Coil operates from any 5 to 16 V. A.C. filament winding or from 1½ to 4 V. D.C. source.

B7685. NET $3.23

TEST BUZZER BUTTON

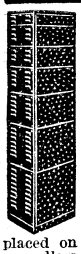


Pearl button held in ⅝ in. hole by spring clasps.

B3977. NET 16c

Transmitting Equipment

SECTIONAL RELAY RACKS



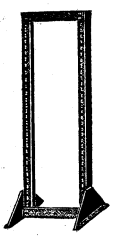
An ingeniously designed rack that fits every transmitter requirement. Start with base unit and add a section at a time as you build. Made of heavy steel, finished in black crinkle-enamel. Louvres provide ample ventilation. Side sections, front panels, and blank panels are available in standard rack sizes (see the complete listing below). Basic section can be placed on desk or table; then as sections are added, rack may be placed on floor. Will make a sturdy assembly regardless of number of sections used.

B9777. Base. Heavy cast steel. Size, 20x15¾x2½". Bolt holes are provided for floor mounting. Black crinkle-finish.
NET **$3.23**

B9778. Top Cover. Inverted tray type; baked black crinkle-finish. Size, 20x14½x1¼". NET..... **$1.91**

SIDES — All 14½" long. SET OF 2			BACK — All backs 19" long.		
No.	Height	NET	No.	Height	NET EACH
B9779	3½"	$1.32	B9790	3½"	$0.50
B9780	5¼"	1.47	B9791	5¼"	.59
B9781	7"	1.62	B9792	7"	.65
B9782	8¾"	1.94	B9793	8¾"	.82
B9783	10½"	2.15	B9794	10½"	.97
B9784	12¼"	2.59	B9795	12¼"	1.12
B9785	14"	2.73	B9796	14"	1.32
B9786	15¾"	2.94	B9797	15¾"	1.47
B9787	17½"	3.23	B9798	17½"	1.62
B9788	19¼"	3.38	B9799	19¼"	1.76
B9789	21"	3.53	B9800	21"	1.94

RELAY RACKS & PANELS



Designed for Transmitters or Public Address Systems. Heavy channel iron construction assures maximum rigidity and keeps all units in alignment. Heavy wrought steel base is drilled for floor mounting. Accurately drilled for mounting screws every 1¾ inches. Standard size to accommodate 19 inch panels with holes spaced 18⅜". Shipped in knock-down form. Complete with necessary nuts and bolts for mounting. Will make professional-appearing Transmitter or Public Address Installations.

38½ INCH RACK

B12510. Shipped knocked-down. Complete with hardware. Weight, 26 lbs.
NET **$8.95**

73½ INCH RACK

B12511. Shipped knocked-down. Complete with hardware. Weight, 40 lbs.
NET **$10.95**

BLANK PANELS

Black crystalline finish. Fit standard relay racks. All panels are 19" long.

No.	Height	NET	No.	Height	NET
B9802	1¾"	$0.59	B9807	10½"	$1.23
B9803	3½"	.65	B9808	12¼"	1.44
B9804	5¼"	.73	B9809	14"	1.65
B9805	7"	.79	B9810	15¾"	1.88
B9806	8¾"	1.03			

CHASSIS FOR RELAY RACKS

These zinc-coated, auto-body steel chassis are designed to fit standard relay racks. Four sizes listed take care of every requirement. Readily machined. May be used for receiver chassis bases.

No.	Sizes	NET
B9812	2¾"x17"x3"	$0.88
B9813	7"x17"x2½"	.97
B9814	10"x17"x3"	1.06
B9815	13"x17"x3"	1.62

RELAY RACK BRACKETS

Provides easy mounting of chassis bases and sub-panels to relay rack panels. Made of sturdy auto body steel with black crystalline lacquer finish. Will absolutely prevent sagging of shelves.

B9817. 5" Base. PER PAIR..... **44c**
B9818. 8" Base. PER PAIR..... **65c**
B9819. 11" Base. PER PAIR..... **82c**

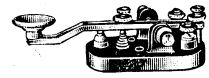
METER PANELS

Heavy steel, black crystalline meter panels. Slotted to fit standard relay racks. 5¼"x19".

No.	No. of Holes	Meter Size	NET
B9820	5	2"	$1.53
B9821	3	2"	1.06
B9822	5	3"	1.62
B9823	3	3"	1.12

SPEED-X TRANSMITTING KEYS

NO. 301 AMATEUR'S KEY



A good standard key, sturdily constructed. Moulded bakelite base. Coin silver contacts. Arm and binding posts chrome plated.
B7961. NET..... **$1.26**

NO. 320 HEAVY DUTY KEY

Has ¼ inch solid coin silver contacts. Well insulated. Black base. All other parts chrome plated.
B7962. List, $3.25. NET..... **$1.91**

NO. 310 STANDARD KEY



Skeleton design. Well constructed. Coin silver contacts. Black base with chrome plated parts.
B7963. List, $2.50. NET..... **$1.47**

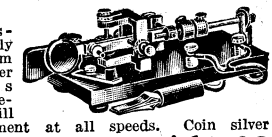


NO. 300

Well-made low-cost practice key.
B7960. NET..... **88c**

HI-SPEED AUTOMATIC KEY

NO. 501



A professional key fully adjustable from 8 words per minute to as high as desired. Will hold adjustment at all speeds. Coin silver contacts.
B7964. List, $17.50. NET.. **$10.29**

NO. 515 AMATEUR KEY

A durable, heavy-duty Speed Key. Statuary bronze moving parts. Base and casting are covered with brown wrinkle to perfectly match other parts. Other features same as Hi-Speed key above. Less cord and plug.
B7967. List, $9.25. NET..... **$5.44**

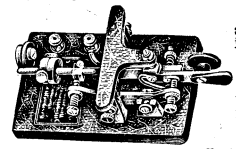
SPEED-X BUZZER



A professional constant frequency buzzer. Will hold its adjustment. Resistance 2 ohms. Works on 2 dry cells, or 1 "C" battery.
B7966. NET **73c**

THE FAMOUS "MAC-KEY" LINE

DE LUXE MAC-KEY



One of the smoothest-operating Semi-Automatic keys on the market. Built by T. R. McElroy, world's fastest telegrapher. Huge one-piece cast base, beautifully finished in smooth black marble effect. Moving parts are of brass, chromium-plated. 3/16" contacts. Large ¼" adjustment screws. Will help make your signals as smooth and rhythmical as an automatic sending machine.
B7973. NET..... **$9.50**

STANDARD MAC-KEY

Heavy cast base anchors key firmly to table. Contact points perfectly alignable. Vibrationless and stutter-proof. Easy to use and non-tiring.
B7968. NET..... **$7.50**

MAC STRAIGHT KEY

A well-balanced, sturdily constructed straight key for use in all types of radio or wire transmission circuits. Perfectly balanced arm with heavy cast base makes sending easy and tireless. Will not slide around and need not be fastened to table.
B7969. NET..... **$1.50**

MAC OSCILLATOR

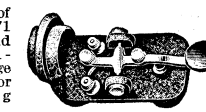


An efficient audio oscillator for learning code. Provides pure tone adjustable at 600, 800, or 1000 cycles. Ideal for beginners who find it hard to learn to receive code signals over the air. Also useful as instruction equipment for schools, "Ham" clubs, etc. Requires 2—76 tubes. Shpg. wt., 2 lbs. For 110 V. A.C. or D.C.
B7970. NET..... **$4.50**

MAC HUMMER

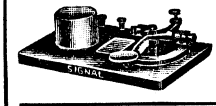
A simple but entirely efficient mechanical audio oscillator, designed for self-instruction of the Morse and Telegraph codes. Will produce a 1000 cycle note as clear as a bell. Requires a 4½ volt "C" battery. Will reproduce up to 100 words per minute.
B7971. NET..... **$1.50**

MAC PRACTICE SET



A combination of B7969 and B7971 "Straight Key" and mechanical "Hummer" on one huge base. Excellent for beginners learning the code.
B7972. NET..... **$2.95**

CODE PRACTICE SET



A Signal key and adjustable buzzer on wood base. Reproduces high-pitched code signals.
B7703. NET.... **$2.00**

UNIVERSAL METAL CABINETS



Sturdy multi-purpose black crystalline-finished cabinets. Will serve many purposes, such as for P.A. amplifiers, transmitters, etc. Properly ventilated. Will take chassis up to 14"x17".

B9825. SINGLE UNIT. Size, 8¾x19x13". Will take one 8¾"x19" panel. Has door on top only.
NET **$5.14**

B9826. DOUBLE UNIT. Size, 17½x19x13". Will take two 8¾"x19" slotted panels. Has doors on top and back.
NET **$9.12**

B9827. TRIPLE UNIT. Size, 26¼x19x13". Will take three 8¾"x19" slotted panels. Equipped with rear door only.
NET **$10.20**

B9828. QUADRUPLE UNIT. Size, 35x19x13". Will take four 8¾"x19" panels. Equipped with rear door only.
NET **$11.60**

TRANSMITTING CONDENSERS

CONTINENTAL

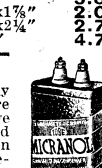


Compact, high-voltage, non-inductive condensers especially designed for use in Amateur transmitters. Will withstand heavy overloads. Completely wax-impregnated. All condensers have binding post terminals mounted on highly efficient porcelain stand-off insulators. Equipped with mounting ears.

W-TYPE

No.	Mfd.	Volts	Size	NET
B7880	1	1000	5x2x2"	$1.23
B7881	2	1000	5x2½x1⅞"	1.94
B7882	4	1000	5x2½x2¼"	2.85
B7883	1	1500	5x2½x1⅞"	1.71
B7884	2	1500	5x2½x2¼"	2.29
B7885	4	1500	5x4x3"	3.82
B7886	1	2000	5x2½x1⅞"	2.09
B7887	2	2000	5x2½x2¼"	2.79
B7888	4	2000	5x4x3"	4.70

TOBE MICRANOL



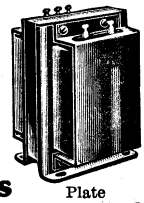
These condensers are positively sealed against moisture and are processed in Micranol. Will give long faithful service under hard working conditions. Housed in neat metal containers with porcelain insulator supported terminals. Have metal ears for easy mounting. Working voltage 2000 D.C.
B8412. 1 MFD.... **$1.67** | **B8413.** 2 MFD.... **$2.45**

Transmitting TRANSFORMERS AND CHOKES

THORDARSON TRANSFORMERS AND CHOKES



A popular Amateur line offering a complete variety of transformer equipment for dependable power supplies. Heavily constructed; conservatively rated for assured long-lived performance. Types listed below are for 110-115 Volts, 50-60 cycles. 25 cycle, 110 volt primaries are available at 60% net additional. 220 volt, 50-60 cycle primaries can be had at 30% extra.



Filament — Plate

PLATE TRANSFORMERS

Cat. No.	Type	AC Volts	DC Volts	MA	Size	NET
B11156	T62P80	1450 C.T.	525	150	6¼x4½x4⅛"	$ 4.56
B11157	T70P41	1450 C.T.	525	250	6¼x4½x5"	5.29
B11158	T54P48	1600 C.T.	680	150	6¼x4½x3½"	3.97
B11159	T71P27	1600 C.T.	600	250	6¼x4½x4⅛"	5.88
B11160	T64P12	1960 C.T.	750	350	8 x6¾x6⅝"	9.70
B11161	T62P82	2670 C.T.	1000	500	11 x6¾x6¼"	18.82
B11162	T64P11	3200 & 2580 C.T.	1250 or 1000	280	8 x6¾x7½"	12.35
B11163	*T62P83	4700 C.T.	2000	250	11 x6¾x6½"	18.82
B11164	*T62P84	4840 C.T.	2000	500	11 x6¾x8¾"	29.40
B11165	*T62P85	7260 C.T.	3000	380	11 x6¾x10"	35.28
B11166	T54P89	2540 C.T.	1000	400	8 x6¾x6⅞"	10.88
B11167	T62P57	1500 C.T.	625	200	6¼x4½x3⅝"	5.29
B11168	T53P03	930 C.T.	400	150	5 x3¾x4⅛"	3.23
B11100	T84P60	1030 C.T.	400†	250	5 x4¾x3¾"	4.56

* Primary has 220 V. tap which may be used on 110 V. to reduce secondary voltage 50%.
† Has bias tap at 30 volts for 6L6 tubes.

FILAMENT TRANSFORMERS

Cat. No.	Type	Secondary Volts Amps.	Insulation	Size	NET
B11183	T64F35	7.5 at 6.5	1600	3⅜x3⅜x4"	$2.65
B11184	T64F13	7.5 at 2.5	1600	2½x3 x3¾"	1.91
B11185	T64F14	10.0 at 8.0	1600	3⅜x3⅜x4"	2.94
B11186	T64F15	11.0 at 10.0	1600	3⅞x4¼x4⅝"	4.41
B11187	T64F33	2.5 at 10.0	7500	3⅜x3¾x4"	2.65
B11188	T70F46	5.0 at 3.0 5.0 at 3.0 5.0 at 6.0	5000	3⅜x4 x4"	4.56
B11189	T74F23	5.25 at 12.0 (Eimac 100T)	1600	3⅜x3½x4"	2.94
B11190	T74F24	5.25 at 20.0 (Eimac 250T)	1600	3⅞x3⅞x4⅝"	4.12
B11191	T61F85	6.3 at 2.5 or 5.0 at 2.5 or 2.5 at 2.5	1600	2 x2⅜x2¼"	1.18
B11192	T54F69	2.5 at 5.0	1600	2 x2 x2⅜"	1.03
B11193	T54F55	2.5 at 10.0	1600	2¾x3 x3¾"	1.47
B11194	T63F99	5.0 at 4.0	1600	2½x3 x3¼"	1.91
B11195	T64F17	7.5 at 6.5 7.5 at 4.5 2.5 at 4.0	1600	3⅞x4¼x4⅝"	5.29
B11196	T60F94	5.0 at 6.0 2.5 at 14.0 2.5 at 3.5	1600	3⅜x3½x4⅝"	3.53
B11197	T54F66	7.5 at 2.5 7.5 at 2.5	1600	2¾x3 x3¾"	1.91

SWINGING CHOKES

Cat. No.	Type	Henries	MA	Ohms	Size	NET
B11198	T64C05	10–30	150–0	200	3½x3⅜x4⅝"	$2.50
B11199	T63C15	12–38	280–0	156	4 x4¼x6¼"	5.00
B11200	T63C16	8–17	500–0	70	5 x5½x6⅞"	8.23
B11208	T64C06	10–19	380–0	93	4¾x5 x6⅞"	7.06
B11209	T72C16	8–22	650–0	55	6¾x6⅝x7⅝"	9.41

FILTER CHOKES

B11201	T64C09	19.7	150	275	3⅞x4 x4½"	$3.23
B11202	T64C08	23.6	280	190	4½x4¼x6¾"	5.88
B11203	T64C10	16.5	500	110	6¾x6¾x7⅝"	10.00
B11204	T54C50	12.9	250	121	3 x3¾x4⅝"	2.94
B11205	T53C19	7.2	120	290	2 x2 x2⅜"	.88

New Plate Modulation Transformer

Cat. No.	Type	Modulator Tubes	To Modulate	Sec. Imp.	Sec. M.A.	Max. Watts	NET
B11103	T84M70	2-6L6 Class AB	.....	2500	250		
		2-35T Class B	.....	5000	200		
		4-210 Class B	.....	7500	150	75	$5.88

Plate and Screen Modulation Transformers

Have double secondaries for simultaneous modulation of plate and screen of R. F. Pentodes. Will allow complete modulation at high level.

B11105	T79M94	2-42 or 2A5 Class AB	2–802	5000 Pl. 800 Scr.	100 50	40	$3.23

New Grid Modulation Transformers

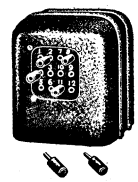
B11109	T67M73	1-46 or 59 Class A	.....	5400	.....	10	$2.06
B11139	T67M74	2-45 or 2A3 Class AB	.....	5000	.....	20	2.65

THORDARSON TRANSMITTER MANUAL

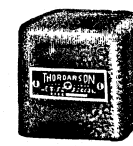
B11206. A 32-page book, completely revised, and crammed full of information on all types of amateur transmitters. Contains schematic diagrams, parts lists, modulation table, coil data, power supply circuits and data, etc. As a reference book it will be a useful asset to any Amateur Station.

NET ..... **9¢**

NEW THORDARSON C.H.T. SERIES



An entirely new line incorporating the latest features of transformer design. These units will give continuous service at full ratings. All types are furnished in matching streamlined cases. Easy mounting with sub-panel connections. Completely impregnated. Plate transformers will give from 4 to 8 different secondary voltages; have 115 or 230 volt primaries. Ideal for many types of transmitter and amplifier circuits.



MULTI-VOLT PLATE TRANSFORMERS

No.	Type	D.C. Volts	Current	List	NET
B11813	T15P12	650 or 500	200 M.A.	$15.00	$ 8.82
B11814	T15P14	1000 or 750	300 M.A.	22.50	13.23

MULTI-VOLT POWER TRANSFORMERS

No.	Type	A.C. Volts	Current	List	NET
B11815	T15R00*	1000 C.T.	150 M.A.		
		7.5 tap at 6.3 C.T.	5 A.		
		5.0	3 A.	$10.50	$6.17
B11816	T15R01*	1000 C.T.	400 M.A.		
		6.3 C.T.	6 A.		
		5.0	6 A.	15.00	8.82

*Bottom Lugs for Sub-panel Wiring.

MULTI-VOLT FILAMENT TRANFORMERS

No.	Type	Secondary Volts	Amps.	Insulation	List	NET
B11817	T11F50	7.5 tap at 6.3, 5.0 and 2.5 C.T.	6.5	1600	$6.00	$3.53
B11818	T11F51	10.0 tap at 7.5 and 6.3 C.T.	8.0	1600	6.50	3.82

C. H. T. INPUT CHOKES

No.	Type	Henries	M.A.	Insulation	Ohms	NET
B11819	T15C36	5–25	200–20	4000	105	$3.53
B11820	T15C37	5–25	300–30	4000	90	5.29

C. H. T. SMOOTHING CHOKES

No.	Type	Henries	M.A.	Insulation	Ohms	NET
B11821	T15C45	12	200	4000	105	$3.53
B11822	T15C46	12	300	4000	90	5.29

MULTI-MATCH MODULATION TRANSFORMERS

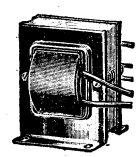
Finest quality modulation transformers with many advanced features. Plug-in terminal board permits instant matching of any driver-modulator tube combination. Streamline cases. Completely impregnated; easy to mount.

Cat. No.	Type	Cap. Watts	Pri. M.A. Per Side	Sec. M.A. Ser. Par.	List	NET
B11823	T11M74	40	100	80 160	$ 8.00	$4.70
B11824	T11M75	75	145	145 290	12.50	7.35

MULTI-MATCH DRIVER TRANSFORMERS

Cat. No.	Type	Cap. Watts	Max. Pri. M.A. Per Side	Ratio Pri. to ½ Sec.	List	NET
B11825	T15D76	15	60	1:1, 1.2:1, 1.4:1, 1.6:1 & 1.8:1	$8.25	$4.85
B11826	T15D77	15	60	2:1, 2.2:1, 2.4:1, 2.6:1 & 2.8:1	8.25	4.85

THORDARSON AMATEUR SPECIALS



A complete new line of high quality transmitter components. Designed for intermittent use in amateur communication work. These transformers were especially designed by Thordarson to meet the needs and budget of the average amateur. They embody such features as: complete shielding; tapped primaries; high tension porcelain terminals; complete self-cooled construction.

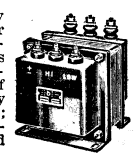


PLATE TRANSFORMERS

B11827.	T16P00.	650 or 500 D.C. volts @ 200 M.A.....	$ 3.88
B11828.	T16P01.	1250 or 1000 D.C. volts @ 300 M.A.....	7.64
B11829.	T16P02.	1250 or 1000 D.C. volts @ 500 M.A.....	12.35
B11830.	T16P03.	1800 or 1450 D.C. volts @ 300 M.A.....	11.17
B11831.	T16P04.	2500 or 2000 D.C. volts @ 300 M.A.....	13.67

FILAMENT TRANSFORMERS

B11838.	T16F08.	2.5 V. C.T., @ 5.25 A. 2000 Volt Ins..	$0.88
B11839.	T16F09.	2.5 V. C.T., @ 10 A. 2000 Volt Ins..	1.03
B11840.	T16F10.	2.5 V. C.T., @ 10 A. 7500 Volt Ins..	1.62
B11841.	T16F11.	5.25 V. C.T., @ 4 A. 2000 Volt Ins..	1.18
B11842.	T16F12.	5.25 V. C.T., @ 13 A. 2000 Volt Ins..	2.06
B11843.	T16F17.	6.3 V. C.T., @ 3 A. 2000 Volt Ins..	1.03
B11844.	T16F13.	7.5 V. C.T., @ 4 A. 2000 Volt Ins..	1.18
B11845.	T16F14.	7.5 V. C.T., @ 8 A. 2000 Volt Ins..	1.91
B11846.	T16F15.	10.0 V. C.T., @ 4 A. 2000 Volt Ins..	1.76
B11847.	T16F16.	10.0 V. C.T., @ 8 A. 2000 Volt Ins..	2.35

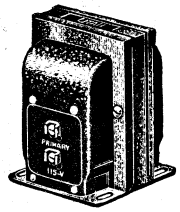
INPUT CHOKES

B11832.	T16C20.	5-20 H. 200 M.A. 2000 V. Insulation.....	$2.20
B11833.	T16C21.	5-20 H. 300 M.A. 3000 V. Insulation.....	2.94
B11834.	T16C22.	5-20 H. 500 M.A. 3000 V. Insulation.....	5.29

SMOOTHING CHOKES

B11835.	T16C25.	12 H. 200 M.A. 2000 V. Insulation.....	$2.20
B11836.	T16C26.	12 H. 300 M.A. 3000 V. Insulation.....	2.94
B11837.	T16C27.	12 H. 500 M.A. 3000 V. Insulation.....	5.29

Transmitting TRANSFORMERS AND CONDENSERS



UTAH TRANSMITTER COMPONENTS

A quality line of transmitter power supply components. Utah transformers and chokes are priced right, to give every budget-minded Amateur a chance to get top-quality at a price within his means. Carefully designed to give the greatest possible efficiency and service; built to last even under the gruelling service of continuous operation at full loads. Every detail of construction has been planned to give greater value, compact size, ease of mounting, and long trouble-free life. Current ratings, voltage breakdown of insulation, etc., are conservative. Only highest quality materials are used throughout.

PLATE TRANSFORMERS

No.	Type	AC Volts	DC Volts	M.A.	NET
B11850	1800	550-0-550	400	200	$4.41
B11851	1801	675-0-675	500	250	5.29
B11852	1802	485-0-485	375	175	3.53
B11853	1803	750-0-750	580	200	5.29

SWINGING CHOKES

No.	Type	Henries	M.A.	Ohms	NET
B11854	4500	8-40	150	190	$2.50
B11855	4501	8-30	200	125	2.65
B11856	4502	8-30	250	125	3.53

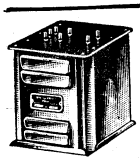
FILTER CHOKES

No.	Type	Henries	M.A.	Ohms	NET
B11857	4509	15	150	190	$2.50
B11858	4510	10	200	125	2.65
B11859	4511	12	250	125	3.53

FILAMENT TRANSFORMERS

Cat. No.	Type	Secondary Volts	Secondary Amps.	Insulation	NET
B11860	1826	5	3-C.T.	2500 V.	$1.91
B11861	1831	5	12-C.T.	2500 V.	2.94
B11862	2296	6.3	5-C.T.	2500 V.	2.20
B11863	1823	5	3-C.T.		
		5	3-C.T.	2500 V.	3.23
B11864	2301	6.3	6-C.T.		
		6.3	3-C.T.	2500 V.	3.23

We can supply all units made by Utah. Write for prices.



KENYON SPECIALS

Especially designed by Kenyon engineers to provide quality power supply units at prices that every Amateur can afford. Every unit is built to stand up under long, hard use; ratings are accurate and dependable. No "frills"; just real quality at low cost.

B11868. POWER TRANSFORMER. 1500-2000-2500 V. A.C. each side C.T. at 300 M.A. D.C. NET..... **$10.78**

B11869. SWINGING CHOKE. Inductance swing 5-25 henries at 300 M.A. D.C. NET..... **$2.84**

B11870. SMOOTHING CHOKE. Inductance 20 henries at 300 M.A. D.C. NET..... **$2.84**

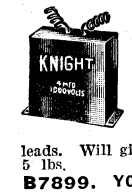
We can also supply any unit in the entire Kenyon line. Write for prices or order with deposit.



NEW KNIGHT OIL-IMPREGNATED TRANSMITTING CONDENSERS

These hermetically sealed, oil-impregnated filter condensers are a real "buy" for any Amateur. No effort has been spared to include every detail of advanced design, quality materials, and careful assembly. Terminals are on glazed porcelain standoff insulators; heavy mounting feet. May be mounted in any position.

1000 Volt No.	Mfd.	NET	2000 Volt No.	Mfd.	NET
B7988	1	$1.10	B7994	1	$1.75
B7989	2	1.50	B7995	2	2.45
B7990	4	1.95	B7996	4	4.65
1500 Volt			**3000 Volt**		
B7991	1	1.45	B7997	1	2.50
B7992	2	2.00	B7998	2	4.95
B7993	4	3.25			

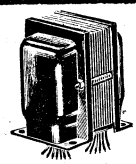


SPECIAL 4 MFD. 1000 VOLT PAPER CONDENSER

A popular size for use in transmitting power supplies. Working voltage, 1000 V. D.C.; 2000 V. test. In metal case, 4½x4½x2¼". Heavy insulated flexible leads. Will give long, dependable service. Wt., 5 lbs.

B7899. YOUR NET PRICE... $1.95

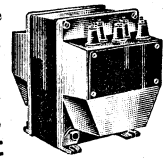
THORDARSON HIGH POWER TRANSFORMER



Ideally suited for use in low-power Amateur transmitters. Primary, 110 V. 50/60 cy. Secondaries: **1200 V. at 200 M.A.-C.T.; 7.5 V. at 3A.-C.T.; 5 V. at 3A.-C.T.; 2.5 V. at 10 A.-C.T.;** fully shielded; lug terminals on all secondaries. Insulated leads on primary. Shpg. wt., 12 lbs.

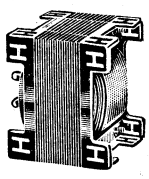
B11141. NET..... $24.45

KNIGHT PLATE TRANSFORMERS

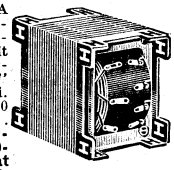


B11006. High quality, moderately priced plate transformer for medium and low-power transmitters. Fully enclosed in cast case with standoff insulator type terminals. Secondary, **1000-750-0-750-1000 Volts at 300 M.A.** Primary, 110 V. 50/60 cycles. Sturdy construction; well-insulated. An exceptional value. Shpg. wt., 22 lbs.

YOUR PRICE..... $7.95

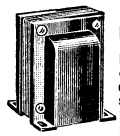


B11007. A sturdy transformer that will fill many requirements of Amateur transmitters. Secondary, **750-0-750 Volts at 200 M.A.** Universal mounting. Primary, 110 V. 50/60 cycle. Shpg. wt., 8 lbs. NET..... **$2.75**



B11008. A husky, uncased transformer built for real service in "Ham" rigs. Pri. 110 V. 50/60 cy.; sec. **1000 - 750 - 500 - 0 - 500-750-1000 V. at 300 M.A.** Universal mount. 15 lbs. NET..... **$6.20**

KNIGHT FILTER CHOKES

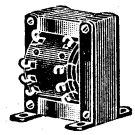


B11009. Swinging Choke. Especially designed for input choke of transmitter or modulator power supplies. Capacity 200 M.A.; inductance 8-30 henries. Fully cased; insulated wire leads. A real value in a high-quality swinging choke. Size 3⅝"x3¼"x 4⅛"; weight 6 lbs.

B11010. Smoothing Choke. For use as second choke in all medium or low-voltage power packs. Inductance 20 henries at 200 M.A.; 70 ohm D.C. resistance. Shielded type, insulated wire leads. Size 3⅝"x3¼"x4⅛". **An efficient filter choke of highest quality at an exceptionally low price.**

NET EACH $2.10

KNIGHT FILAMENT TRANSFORMERS



B11011. 2.5 Volts at 10 Amps. For 2—866's, or for several 2.5 Volt tubes. Insulation 5000 volts. 2¼" x 2½" x 3". Weight 2½ lbs.

NET EA. $1.35

B11012. 7.5 Volts at 4 Amps. and 2.5 Volts at 5 Amps. Ideal for use in low-power multi-stage rigs or speech-amplifier-modulators. 2¼"x2½"x3"; wt. 3½ lbs. NET..... **$1.55**

B11013. 6.3 Volts at 4 Amps. Designed for the new 6L6 Beam Power tubes, and for multi-tube receivers or transmitters. 2¼x2½x 3"; wt. 2½ lbs. NET..... **$1.30**

SANGAMO MICA TRANSMITTING CONDENSERS

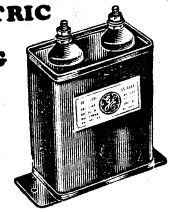


Accepted by Amateurs everywhere for all types of transmitter and receiver circuits. Ideal for use as by-pass condensers, in R.F. circuits, as coupling condensers, etc. Bakelite cases; finest ruby mica dielectric. Accurate to within 10%. With machine screw terminals.

1000 V. DC TEST No.	Mfd.	NET	2500 V. DC TEST No.	Mfd.	NET
B7650	.00005	$0.24	B7672	.00005	$0.41
B7651	.0001	.24	B7673	.0001	.41
B7652	.00015	.24	B7674	.0002	.41
B7657	.0002	.24	B7675	.00025	.41
B7653	.00025	.24	B7676	.0005	.41
B7656	.0005	.24	B7677	.001	.53
B7658	.001	.29	B7678	.002	.79
B7659	.0015	.29	B7679	.004	.91
B7660	.002	.29	B7680	.005	1.03
B7661	.003	.35	B7681	.006	1.03
B7662	.004	.35	B7682	.008	1.32
B7663	.005	.41	B7683	.01	1.65
B7664	.006	.50	**5000 V. DC TEST**		
B7665	.008	.59	B7975	.00005	$0.53
B7667	.01	.68	B7976	.0001	.53
B7668	.015	.73	B7977	.00015	.59
B7666	.02	1.09	B7978	.00025	.62
B7669	.025	1.35	B7979	.0005	.73
B7655	.03	1.47	B7980	.001	.88
B7671	.05	2.26	B7981	.002	1.32
B7670. Resistor clips. Net, per pair.....6c			B7982	.003	1.62
			B7983	.005	1.94
			B7984	.01	2.41

We can also supply 2500 and 5000 Volt Sangamo condensers with "dead" terminals on one side, suitable for panel mounting at no additional cost. Specify when ordering.

GENERAL ELECTRIC PYRANOL TRANSMITTING CAPACITORS



Attractive, durable transmitting condensers of the best quality. These condensers will give exceptional service and long life. Filled and treated with Pyranol, a non-inflammable, non-explosive substance of unusual dielectric qualities. Hermetically sealed, with porcelain lead-out bushings. Equipped with mounting lugs for easy upright mounting.

No.	Model	Mfd.	Volts	NET
B5400	9CE5A21	1	600	$1.61
B5401	9CE5A22	2	600	2.06
B5402	9CE5A24	4	600	2.65
B5403	9CE5A30	1	1000	1.76
B5404	9CE5A31	2	1000	2.65
B5405	9CE5A33	4	1000	4.12
B5406	9CE5A40	1	1500	2.20
B5407	9CE5A41	2	1500	3.67
B5408	9CE5A43	4	1500	5.29
B5409	9CE5A50	1	2000	3.09
B5410	9CE5A51	2	2000	4.70
B5411	9CE5A53	4	2000	6.46
B5412	9CE5A59	1	2500	8.24
B5413	9CE5A60	2	2500	10.00
B5414	9CE5A61	4	2500	14.70

G. E. Pyranol Transmitting Capacitors are available in voltage ratings up to 5000 volts D.C. Write for complete listing.

LATEST "Build Your Own" KITS

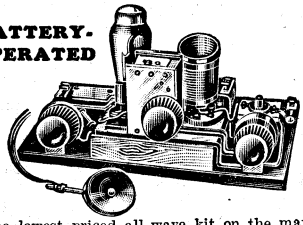
THE LATEST SERIES OF KNIGHT "BUILD-YOUR-OWN" KITS

A wide range of new easy-to-build receiver kits designed to appeal both to the beginner as well as to the advanced experimenter. Each kit is composed of high quality parts, based on modern easy-to-wire circuits.

All Knight kits can be assembled in a minimum amount of time. Chassis bases are punched and drilled; only the simplest tools are required for assembly. Even the beginner can build these sets successfully.

KNIGHT ONE TUBE ALL-WAVE KIT

BATTERY-OPERATED



The lowest priced all-wave kit on the market. Compact, yet sensitive and simple to build. A one tube battery operated receiver which brings in police signals, amateurs, broadcast stations and lots of distant stations. All terminals are color-coded and no wiring diagram is necessary. Has wood base. Uses a type 30 low drain tube. Complete kit includes all parts, base, hardware, wire, 2 coils for 190 to 550 meters, earphone and clear instructions. Less tube and batteries.

B9830. Kit of parts as described above. YOUR PRICE..... **$4.84**

B9831. TUBE AND BATTERY KIT. Consists of: 2—1½ volt dry cells, 1—45 volt "B" battery and one Knight 30 tube. YOUR NET PRICE..... **$1.85**

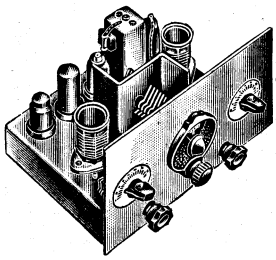
B5565. Short-Wave Coil Kit. 4 coils cover range from 16 to 217 meters. NET..... **85c**

AUDIO AMPLIFIER KIT

B9832. A two-stage audio amplifier for use with the one tube all-wave receiver above. Will produce more than enough volume for headphones or small magnetic speaker. Uses 2—30 tubes. Complete kit less tubes and batteries. NET..... **$1.95**

B9833. TUBE AND BATTERY KIT. Contains 2—30 tubes, and 1—45 volt "B" battery. NET..... **$1.90**

KNIGHT SUPER-GAINER S.W. KIT



An extremely efficient, easy-to-build four tube short-wave receiver. Latest design; improved circuit uses 4 all-metal tubes to give 7 tube performance. Exceptional sensitivity and selectivity results from the use of regeneration in the first and second detector stages; single-signal action on C.W. signals. Features: Bandspread tuning, dual regeneration control, iron-core IF transformer, Isolantite coil sockets and adequate shielding. Low current drain allows the use of either batteries or the special A.C. power supply listed below. Complete kit includes punched chassis base and front panel, special shield, tube and coil sockets, resistors, condensers, hardware, diagrams and instructions, etc. Requires 1—6L7, 1—6C5, 1—6F5, 1—6F6.

B9834. Complete Kit of Parts with 80 meter coils, less tubes. NET..... **$14.50**

B9835. Set of 8 Coils. Cover the 10, 20, 40, and 160 meter bands with adequate overlap for short-wave broadcast band coverage NET..... **$3.40**

B9836. Broadcast Coil Kit. Set of 4 coils to cover the 540 to 1500 KC Broadcast band. NET..... **$1.70**

B9837. A.C. Power Supply Kit. Output, 240 Volts D.C., and 6.3 Volts at 1.6 A. Includes punched chassis base, chokes, transformer, condensers, sockets, cable, diagrams, etc. Requires 1—80 tube, (not supplied). NET..... **$4.95**

KNIGHT TWO TUBE DX-ER KIT



One of the most popular low-priced kits for the short-wave beginner. Described and recommended by leading radio magazines as one of the most efficient of the beginners' receivers. Uses two type 30 tubes in a regenerative circuit with one audio stage; operates from two dry cells and two "B" batteries. Complete kit contains all necessary parts, drilled panel, baseboard, condensers, shielded transformer, wiring diagram, etc. Coils, tubes and batteries extra.

B9838. Kit of Parts as described above. YOUR PRICE..... **$5.35**

B9839. Tube and Battery Kit. Consists of 2—30 tubes, 2—1½ volt dry cells and 2—45 volt "B" batteries. NET..... **$3.20**

B2800. Brandes 2400 ohm headphones. YOUR PRICE..... **$1.59**

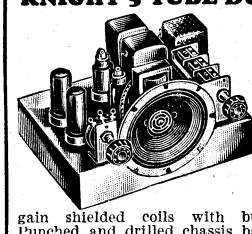
B5565. Short-Wave Coil Kit. Set of four low-loss coils covering 16 to 217 meters. NET..... **85c**

AUDIO AMPLIFIER KIT

B9840. A companion unit for use with the Two Tube DX-ER above. Will operate a small magnetic speaker. Uses one type 33 tube (not supplied.) Kit contains all necessary parts and diagrams. NET.. **$1.25**

B9841. Tube and battery kit for audio amplifier. Contains 1—33 tube, 1—22½ V. "C" and 1—45 V. "B" battery. NET..... **$2.25**

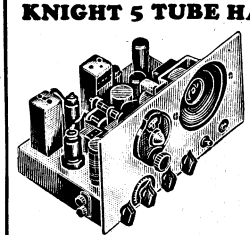
KNIGHT 5 TUBE DUAL BAND AC-DC TRF KIT



An efficient TRF receiver tuning the Broadcast and Police bands, 193 to 555 and 67 to 200 meters. Uses 2—6K7, 1—6J7, 1—25A6, and 1—25Z6 metal tubes. Has high-gain shielded coils with built-in trimmers. Punched and drilled chassis base makes assembly easy. Has built-in 5" dynamic speaker. Kit contains all parts.

B9842. Less tubes and cabinet. NET..... **$11.15**

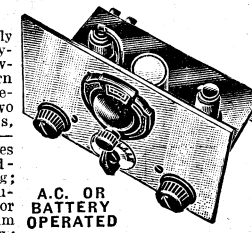
KNIGHT 5 TUBE HAM SUPER KIT



Here is a new high-performance super for the beginner - amateur. Designed to provide maximum performance, with simplified operation and low cost. Uses five metal tubes, 1—6C5, 1—6A8, 1—6K7, 1—6F6, and 1—5Z4. Has built-in power supply, panel speaker, regenerative second detector, headphone jack, bandspread, stand-by switch, and iron-core IF transformers. Regeneration is smooth, noiseless and easy to handle. Coils are supplied for 20, 40, 80, and 160 meter bands. This efficient little super can be assembled in a few hours. Kit contains all necessary parts with punched and drilled chassis base and panel and diagrams.

B9843. Less tubes. NET.. **$20.25**

KNIGHT METAL TUBE DX-ER KIT



A.C. OR BATTERY OPERATED

An extremely efficient, easy-to-build receiver of modern up-to-date design. Uses two metal tubes, 1—6J7 and 1—6C5. Features full bandspread tuning; electron - coupled detector for maximum stability; shielded chassis construction; ultra-smooth noiseless regeneration control; non-critical antenna input, and real signal "sock." May be operated from dry batteries or from special A.C. power supply listed below. Requires 6.3 volts at 1.5 A., 90 to 135 volts for plate supply. Will tune from 16 to 195 meters with coils listed below. Kit contains all necessary parts for building this receiver; punched and drilled metal chassis base and panel, sockets, condensers, resistors, wiring diagram, etc. Coils, batteries or A.C. power supply, tubes and headphones, are extra.

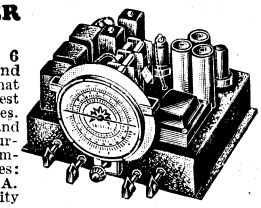
B9844. Kit of Parts as described above. YOUR PRICE..... **$6.65**

B9845. Coil Kit. Set of four coils for the Metal Tube DX-ER. Tune 16 to 195 meters. NET..... **$1.25**

B9846. A.C. Power Supply Kit. Contains punched and drilled chassis base, transformer, chokes, condensers, etc. Requires 1—1V tube (not included). NET... **$5.70**

B9847. 3 Watt Utility Amplifier and Power Supply Kit. Uses 1—6F5, 1—6F6, and 1—5Z4. Supplies field excitation for 2500 ohm field dynamic speaker. Supplies 6.3 volts A.C. and 250 volts D.C. for tuner unit. Kit contains all parts, chassis base, etc. Less tubes and speaker. NET..... **$5.35**

KNIGHT 6 TUBE DUAL-BAND AC SUPER KIT

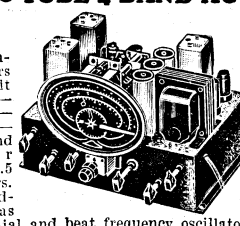


A modern 6 tube Dual-Band A.C. Super that uses the latest all-metal tubes. Easy to build and capable of surprising performance. Features: Iron-core IFs, A.V.C., Sensitivity Control, Tone Control, High-gain Coils, 6" Calibrated Dial. Tuning Range, 540 to 1600 KC. and 5.7 to 18 MC. Uses 2—6K7, 1—6A8, 1—6Q7, 1—6F6, and 1—5Z4. Full 5 watts output for a dynamic speaker with 1000 ohm field. Kit contains punched chassis base, all parts, and wiring diagram. Less tubes, speaker, and cabinet.

B9848. NET..... **$21.25**

B9849. POLICE AND BROADCAST MODEL. Same as the 6 tube kit above but tuning range is 540 to 1600 KC. and 3.5 to 1.7 MC. Complete, less tubes and speaker. NET..... **$21.25**

KNIGHT 8 TUBE 4 BAND AC SUPER KIT

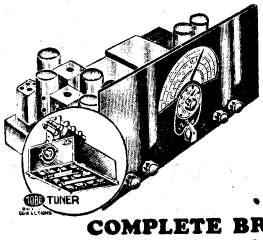


One of the finest 8 tube supers available in kit form. Uses 2—6K7, 1—6J7, 1—6L7, 1—6Q7, 1—6C5, 1—6F6, and 1—5Z4. Four bands cover 7.5 to 550 meters. Many outstanding features. Has 8" calibrated dial and beat frequency oscillator. Chassis base is punched and drilled. Complete kit contains all parts except tubes and speaker.

B9864. Less tubes. NET... **$34.95**

TRANSCEIVER & SHORT WAVE KITS

POPULAR BROWNING 35 ALL-WAVE RADIO KIT



An easy-to-build All-Wave Kit for discriminating S.W. fans. Includes the completely assembled, wired and tested Tobe tuning unit. Tunes 13.3 to 550 meters continuously in 4 full bands with no skips. Sensitivity and selectivity are extremely high. Has 40 to 1 ratio micro-vernier dial calibrated in megacycles; with separate scale for vernier calibration. Unexcelled selectivity on all bands. Uses 1—2A7, 1—2A6, 1—2A5, 1—56, 2—58, and 1—80 tubes. Send for FREE CIRCULAR showing parts list and wiring diagram.

COMPLETE BROWNING 35 KIT

Contains all necessary parts for the complete receiver except tubes, speaker, and cabinet. Includes: drilled and finished chassis and panel, complete Tobe tuner unit, I.F. transformers, condensers, resistors, wiring diagrams, detailed instruction book, etc. Nothing else to buy except tubes and speaker. **$39.90**

B10100. YOUR PRICE .....

B10101. Browning Kit as above, but metal tube model. Requires 1—6A8, 2—6K7, 1—6C5, 1—6F5, 1—6H6, 1—6F6 and 1—80 tubes. NET..... **$41.65**

TOBE 35 TUNER UNIT

Completely assembled, wired, tested and aligned All-Wave tuner unit: two color bakelite dial, dial cards, pointers, escutcheons, dial light, bracket, grommets, etc. **$18.60**

B10102. YOUR PRICE .....

BASIC UNIT KIT

Contains drilled and finished chassis and panels, 2—I.F. transformers, Beat Oscillator, power transformer, 5 full-size wiring diagrams and instruction book with detailed construction data. **$11.60**

B10103. YOUR PRICE.....

B10104. Wright-De Coster 10" Dynamic speaker..... $4.10

B10105. Black Damaskene Metal Cabinet. 17½x9¾x11½"..$4.80

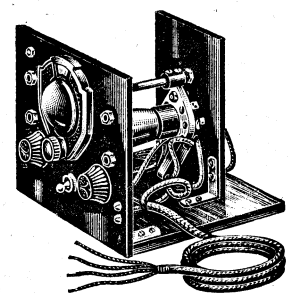
TOBE AMATEUR RECEIVER KIT

Designed exclusively for Amateur Band operation and for adjacent channels. Based on, and very similar to the Browning 35. All critical circuits air-trimmed for extreme stability. Features exceptionally wide bandspread on the Amateur 160, 80, 40 and 20 meter bands; fractional microvolt sensitivity; extreme selectivity; I.F. gain control; AVC (on or off); single tuning control; adjustable pitch Beat Oscillator; stand-by switch, and many other outstanding features. Kit contains all parts necessary with exception of tubes, speaker and cabinet; with constructional data. FREE PARTS LIST ON REQUEST. **$47.40**

B10106. COMPLETE KIT, YOUR PRICE.....

KNIGHT 5 METER TRANSCEIVER

TWO-WAY 56-60 MC AMATEUR PHONE KIT



Popular Amateur 5 Meter Transceiver designed by Frank C. Jones. Easy to build and operate. Ideal for local "horizon-range" communication and for experimental field work. Uses single 19 tube as push-pull unity-coupled, grid modulated oscillator. For reception, the same tube acts as push-pull super-regenerative detector. Simple ¼ or ½ wave rod may be used for antenna. Kit contains all necessary parts for building chassis model shown. Accessories listed below. Diagram and parts list may be had for 5c to cover handling. **$5.58**

B9895. NET.....

TUBE AND BATTERIES

Consists of 1—Raytheon 19 tube, 2 Burgess 5308 portable "B's" and 2 Knight dry cells.

B9896. NET **$3.27**

PORTABLE CASE

Durable, leatherette covered split case for Knight transceiver. Bottom holds batteries; transceiver in top.

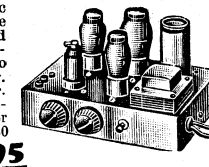
B9897. NET..... **$3.75**

UNIVERSAL HANDSET

New Universal 5 meter handset. Compact and lightweight. Illustrated and described at upper left.

B2513. NET..... **$5.88**

KNIGHT VOLUME EXPANDER KIT



A sensational new device for giving back to your loudspeaker all the fine points of music originally broadcast by the orchestra at the studio. True reproduction can be realized and depth can be recreated because the volume expander serves to further amplify fortissimo passages and make the pianissimos softer. Easily attached to any radio set or amplifier. The degree of expansion is controllable. Complete kit includes all necessary components for building. Uses 1—6L7, 2—76's and 1—80 tubes (not supplied). **$7.95**

B9892. Complete kit, less tubes.

YOUR PRICE .....

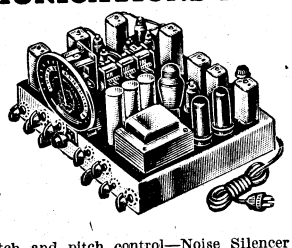
COMPLETELY WIRED VOLUME EXPANDER

B9893. Completely wired, assembled and tested Knight Volume Expander. Assembled and tested in our own laboratories. For 110 volts, 60 cycles, A.C. Less tubes. NET..... **$9.95**

MEISSNER COMMUNICATIONS KIT

14 TUBE SUPER

- **5 Wave Bands — 3.8 to 555 Meter Coverage**
- **Accurately Balanced and Aligned Tuning Assembly**
- **Calibrated 6 Inch Airplane Dial, with Micromaster Band Spread**



A powerful 14 tube "Communications" receiver kit. Especially designed for Amateurs and set builders who want splendid results over all the bands. Starts at 5 meters and includes all the Amateur and broadcast bands. Some of the features are: Crystal Filter—Beat Frequency Oscillator with cut-out switch and pitch control—Noise Silencer Circuit—Variable Electrical Band Spread—Amplified A.V.C.-Variable Sensitivity Control—Iron Core I.F. Transformers—Audio Volume Control —P. P. Beam Power Output Tubes, etc. The completely wired and accurately balanced and aligned tuning assembly includes the Meissner Multi-Wave coil assembly, band change switch, variable gang condenser, tube sockets (for tuning unit) and a calibrated 6" airplane dial with "Micromaster" mechanical bandspread. Set builders will find this an ideal set to install in their customers' expensive consoles. Uses 14 metal tubes: 3—6K7, 2—6J7, 2—6L7, 1—6R7, 1—6C5, 2—6H6, 2—6L6, 1—5Z3.

COMPLETE KIT OF PARTS

Includes punched and drilled black crackle-finished chassis base, all necessary condensers, resistors, switches, sockets, plugs, transformers and hardware. The only tools you need are a screw-driver, soldering iron and a pair of side-cutting pliers. Furnished with complete set of diagrams and detailed instructions. Less only tubes and speaker. **$59.85**

B10107.
YOUR NET PRICE.....

COMPLETE ESSENTIAL TUNING KIT

Includes completely wired and aligned tuning units; Band switch; Calibrated 6" dial; Noise silencer I.F. coils; Beat-frequency Osc. coil; Matched pair of crystal filter trans.; iron-core I.F. output and band expansion coils; 6 R.F. chokes; instruction sheets and diagrams.

B10108. **$31.46**
YOUR NET PRICE.....

B10109. Punched and drilled black crackle chassis base. Size, 13"x17"x3". NET **$3.23**

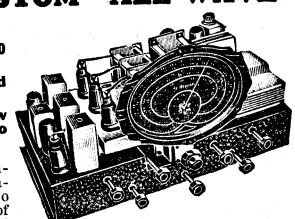
KNIGHT 12 INCH DYNAMIC SPEAKER

A 12" Knight speaker especially selected to work with above set. Will capably handle the output of the P. P. 6L6's. Equipped with 1250 ohm field coil, output transformer, cord and plug. **$4.55**

B10114. YOUR NET PRICE.....

MEISSNER "CUSTOM" ALL-WAVE 12 TUBE KIT

- **5 Wave Bands — 7.5 to 2140 Meters Coverage**
- **Completely Wired — Balanced and Aligned Tuning Unit**
- **12 New Metal Tubes with New 6L6 "Beam" Power Audio Amplifier Output Tubes**



An ideal set for the custom-builder and experimenter. Has continuous tuning range from 7.5 to 2140 meters in 5 bands. Some of the features are: completely wired and accurately balanced and aligned tuning unit; accurately calibrated 8" two-speed oval dial; iron-core I.F. transformers; A.V.C.; mechanical bandspread type variable gang condenser. Uses 12 tubes: 2—6K7, 2—6J7, 2—6L7, 1—6R7, 1—6C5, 1—6H6, 2—6L6, and 1—5Z3.

COMPLETE KIT OF PARTS

Includes punched and drilled chassis base, all necessary condensers, resistors, switches, plugs, transformers and hardware. You need only screw-driver, soldering iron, and side-cutting pliers to completely assemble this kit. Complete with diagrams and instructions. Less tubes and speaker. **$45.75**

B10110. YOUR NET PRICE ONLY.....

COMPLETE ESSENTIAL TUNING KIT

Kit consists of completely wired and aligned tuning unit; wave-change switch; variable condenser; tube sockets for tuning circuit; calibrated 8" two-speed bandspread type oval dial; noise silencer I.F.; B.F.O. transformer; iron-core band expansion I.F. and output I.F. transformers; R.F. chokes; diagrams and instructions. **$27.93**

B10111. YOUR NET PRICE.....

B10112. Punched and drilled, black crackle chassis base. Size, 17"x10"x3". NET..... **$2.65**

KNIGHT 12-INCH DYNAMIC SPEAKER

A high quality Knight speaker especially selected to work with above set. Capable of handling the output of "Beam" power 6L6 tubes with high fidelity. With output transformer, cord, and plug. **$4.55**

B10114. YOUR NET PRICE.....

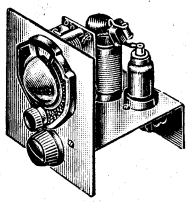
MEISSNER "BUILD-YOUR-OWN" BOOK

B5781. Contains 114 pages chock-full of interesting kits to assemble. Has complete information on Phono-Oscillators, Noise Silencers, 4 to 14 Tube Sets, Standard Broadcast or S.W. sets, etc. A book that should be in every experimenter's and custom-builder's library. **50c**

NET .....

Quality RECEIVER KITS

'POPULAR MECHANICS' BUILD-YOUR-OWN KITS



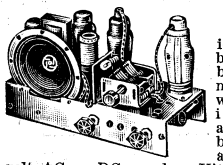
HURRICANE RECEIVER

No. R-234

A dandy portable receiver that will bring in broadcast stations as far as 500 miles away. Requires no "B" batteries—uses only two midget 3 volt "A" batteries or 1-6 Volt battery. Uses 2 of the new metal tubes, 6J7 and 6F6, in a highly efficient circuit. Supplied in kit form, complete with drilled 5"x6" panel, punched and drilled 5"x5" chassis base, and all necessary parts and instructions for assembling. Less tubes, headphones and batteries.

B9865. NET..... **$4.45**

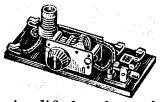
1937 LITTLE GIANT 4 TUBE AC-DC KIT



"Popular Mechanics" new dual-wave broadcast and police band set. Traveling men, students, etc., will find this the ideal set. Simple and inexpensive to build and will operate from any 110 volt AC or DC supply. Kit contains all necessary parts, speaker, easy-to-follow blueprints, and complete instructions for construction of the improved Little Giant Receiver; less only tubes and cabinet.

B9866. NET..... **$8.60**

KNIGHT CRYSTAL SET KIT



A new and modern crystal set. Only the best quality parts are used, assuring you of unusually fine reception of local broadcast stations. Complete with all parts and simplified color-coded point-to-point wiring instructions. **$1.35**

B9867. NET.....

B2806. Headset. NET.....97c

B3485. Aerial Kit. You will obtain the best results with this aerial. NET.....37c

5 METER TELESCOPING TRANSCEIVER ANTENNAS



Vertical type antennas for ultra H.F. use. Telescoping sections of hard aluminum tubing; lock to hold adjustment. For mobile and portable use.

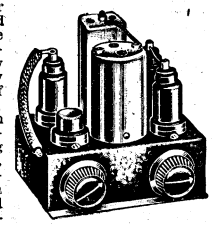
B9183. ¼ wave 4 section. Less base. For direct mounting. Extends to 52". NET.. **$1.18**

B9184. ¼ wave 3 section. With base. Length closed, 18"; extends to 52". NET..... **94c**

B9185. ½ wave 3 section. Less base. Binding post mounting. Extends to 102". NET... **$1.12**

B9186. ½ wave 3 section. With insulator base. Length, 36"; extends to 102". NET..... **$1.32**

NOISE SILENCER KIT



No longer need your reception be disturbed by static, motor noise or other forms of interference. This new kit will effectively eliminate noises of practically every type. Designed to work with any short wave or all-wave superhet having 465 or 456 KC I.F.'s, this noise silencer incorporates an extra I.F. stage. Supplied complete with all necessary parts, instructions and 1—6H6, 1—6J7, 1—6K7, and 1—6L7 RCA metal tubes. Black crinkle-finished base measures 5½"x4"x2½", and has all holes cut and drilled.

B9869. DE LUXE MODEL KIT. NET..... **$7.92**

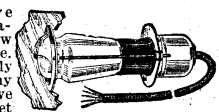
B9870. Completely wired, assembled and tested De Luxe Noise Silencer. NET **$10.15**

STANDARD MODEL KIT

B9871. Same as the De Luxe kit but without the extra IF stage; designed for use with sets having two or more IF stages. Kit includes: 1—6H6, 1—6J7, and 1—6L7 RCA metal tubes and full instructions. For sets with 456-465 KC IF. NET..... **$6.10**

B9872. Completely wired. The Standard Kit, wired, tested, and ready to install. NET **$8.10**

CATHODE RAY TUNING UNIT



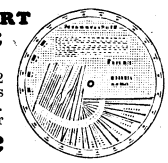
An inexpensive visual tuning indicator using the new Electron-Ray tube. Quickly and easily installed in any Broadcast All-Wave or Short Wave set having AVC, but which is not equipped with visual tuning device. Requires 6.3 or 2.5 volts for filament. Complete assembly with mounting brackets, color-coded cable and instructions, less tube. **73c**

B1987. NET.....

B481. Raytheon 6E5 Cathode Ray tube. For receivers using 6.3 volt tubes. NET **78c**

B490. Raytheon 2E5 Cathode Ray tube. For receivers using 2.5 volt tubes. NET **78c**

WORLD TIME CHART AND SHORTWAVE STATION LIST

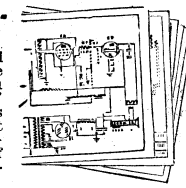


Indicates time in 122 countries instantly. Lists 111 Short Wave stations. Valuable for the amateur and SW listener. **10c**

B5235. NET..

WIRING DIAGRAMS

"BUILD-YOUR-OWN" KITS



Clear, easy-to-read diagrams with complete parts lists. Enable you to "build-your-own," using latest types tubes and modern efficient circuits. Carefully designed and capable of "factory-built" performance.

B1758. 2 TUBE DX'ER SHORT WAVE BATTERY SET.
B1759. 2 METAL TUBE DX'ER. FOR BATTERIES OR A.C.
B1760. 4 TUBE A.C. BROADCAST TRF.
B1761. 4 TUBE A.C.-D.C. BROADCAST TRF.
B1762. 4 METAL TUBE "SUPER-GAINER."
B1763. 5 TUBE A.C. BROADCAST SUPER.
B1764. 5 TUBE SKIP-BAND A.C. SUPER.
B1765. 5 TUBE A.C. BROADCAST TRF.
B1766. 6 TUBE BROADCAST BATTERY SUPER.
B1767. 6 TUBE ALL-WAVE A.C. SUPER.
B1768. KNIGHT 5 METER TRANSCEIVER.
B1769. VOLUME EXPANDER FOR RADIO OR P.A. AMPLIFIER.
B1770. KNIGHT CRYSTAL SET.
B1771. 3 WATT UTILITY AMPLIFIER AND POWER SUPPLY.
B1772. 5 TUBE 2 BAND (POLICE & B.C.) A.C.-D.C. TRF.
B1773. 6 TUBE 2 BAND (S.W. & B.C.) A.C. SUPER.
B1774. 5 TUBE HAM SUPER.
B1775. 8 TUBE 4 BAND A.C. SUPER.
B1776. 12 TUBE "CUSTOM" ALL-WAVE SUPER.
B1777. 14 TUBE "COMMUNICATIONS" SUPER.
B1778. NOISE SILENCER.
B1779. ELECTRIC FENCE CONTROL.
B1780. 6 TUBE 6 VOLT AUTO SET

EACH DIAGRAM (To cover handling & mailing) **5c**
CHOICE OF 6 OF ABOVE DIAGRAMS..... **20c**

Schools—colleges—radio clubs. Write for our attractive offerings of wiring diagrams for classroom and recreation group use.

UNIVERSAL 5 METER HANDSET

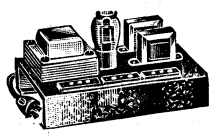


Compact, lightweight combination earphone and microphone handset. Rugged and fully protected against rough handling. Highly polished molded bakelite case contains the special high output single button 200 ohm microphone with highly efficient sensitive receiver. Complete with 6 ft. 4 conductor cord with individual leads for microphone and receiver. Especially designed and developed for use with high-frequency transceivers.

B2513. With 2000 ohm receiver.
B2514. With 75 ohm receiver.
YOUR PRICE, EACH..... **$5.88**

KNIGHT LOW-COST POWER PACKS

MODEL XPC



B9190. For Short Wave receivers or small transmitters using 2—45 tubes. Delivers 300 volts pure D.C. at 65 M.A., tapped at 180, 90 and 22½ Volts. Also supplies 2½ Volts C.T. at 3 amps. for filaments. Requires type 80 tube. For 115 volt, 60 cycle A.C.

B9187. Same as above, except has filament winding for 6.3 volt tubes, at 1.5 amps. YOUR PRICE, EACH..... **$5.25**

MODEL XC

B9191. An ideal power supply for low-power transmitters or for crystal or buffer stages. Delivers 300 Volts pure D.C., untapped, at 65 M.A., and 2½ Volts A.C. center-tapped at 4 amps. for filaments. Built on steel chassis. For 115 Volts, 60 cycles. Requires type 80 tube.

B9188. Same as above, except has filament winding for 6.3 volt tubes, at 1.5 amps. YOUR PRICE, EACH..... **$4.25**

MODEL 0-1 POWER PACK

A power supply for the Amateur X-mitter using 3 or 4—210 tubes. 450 V. D.C. at 150 M.A. and 7½ V. C.T. at 5 A. Steel chassis, black crackle finish. Operates on 115 V. 60 cycles. Requires type 82 tube. Weight, 13 lbs.

B9196. YOUR PRICE **$7.95**

MODEL 00-1 POWER PACK

For use with Class "B" Modulators or X-mitters using 4—46 or similar type tubes. 450 V. D.C. at 150 M.A., and 2½ V. C.T. at 6 A. For 115 V. 60 cycles. Requires type 82 tube.

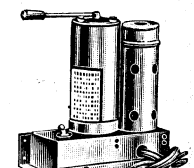
B9197. YOUR PRICE **$7.95**

POWER PACK FOR S. W. SETS

B9198. MODEL J. For Short Wave Receivers. Hum-free. Substantially and neatly built. Delivers 250 Volts D.C. at 40 M.A., tapped at 22½ and 90 volts; 2½ Volts C.T. at 5 amps. for filaments. Chassis size, 7½x4x1½ inches. Weighs 4 lbs. Requires one 80 tube.

B9189. Same as above, except has filament winding for 6.3 volt tubes, at 2 amps. YOUR PRICE, EACH..... **$5.25**

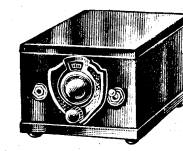
RCA BEAT OSCILLATOR



Will enable you to listen to code signals or tune in weak signals on any broadcast or S.W. Super. Requires 1—58, or 1—6D6 tube. Range 415-700 K.C. 7"x2¾"x7".

B7617. NET **$7.50**

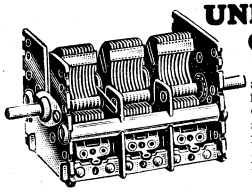
LISTENING MONITOR



For Amateur station monitoring, checking quality of emitted signal or phone carrier, or for frequency drift check. (Not a receiver.) Furnished complete with coils for 20, 40 and 80 meter amateur bands. In rugged steel case, 5x7x10". Requires 1—99 tube, 1—3 V. "C" battery and 1—22½ V. "B" battery (not supplied).

B9193. YOUR PRICE..... **$4.15**

VARIABLE CONDENSERS & CHOKES



UNIVERSAL PRECISION GANG CONDENSERS

A tuning condenser of truly universal application. Has ¼" shaft extending out from both ends. Clockwise or counter-clockwise application in a single unit; solid, bar type construction; front and rear ball-race bearings; high end plates; high-grade low-loss bakelite insulation; rotor grounding springs for each section. Holes are provided at front, rear and bottom, for bracket or spade bolt mounting. Trimmers may be placed on either side, or may be removed entirely. ¼" shaft can be increased to ⅜" by using B4586 bushing below.

CLOCKWISE OR COUNTER-CLOCKWISE IN ONE UNIT!

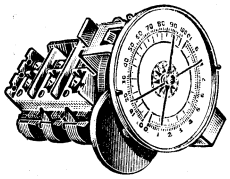
These universal condensers solve every replacement or original gang condenser problem. Easy ganging of 2 or more 2 or 3 gang units for obtaining 4, 5, 6 or more ganged sections. Either end may be used as front, providing either clockwise or counter-clockwise rotation in a single unit. Slotted end plates for complete alignment of all circuits. Two styles: TRF type, all sections alike, for TRF or padded osc. circuits, and superhet type, with special cut section for unpadded oscillators. High end shields measure 2¾"x3¼".

370 MMF.—2 GANG
B4134. TRF.
B4135. 456 KC.
NET EACH **$1.34**

370 MMF.—3 GANG
B4137. TRF.
B4138. 175 KC.
B4139. 456 KC.
$1.81

420 MMF.—2 GANG
B4136. TRF.
NET EACH **$1.21**

420 MMF.—3 GANG
B4140. TRF.
NET EACH **$1.91**



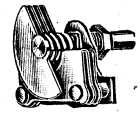
DE-JONG BAND-SPREAD CONDENSERS WITH AIRPLANE DIAL

New band-spread tuning unit with one dial control. Main condenser drives one pointer; other pointer is driven by band-spread condenser section. Has smooth operating planetary drive with no backlash; one knob controls both sections at will. 4" airplane dial is calibrated 0-100 on top scale and 0-10 on bottom scale.

No.	Gang	Mmf.	NET
B2700	2	370	$6.17
B2702	2	140	
B2701	3	370	$6.90
B2703	3	140	

B2704. Complete 3 gang assembly, 420 mmf. Dial is calibrated 550 to 1500 KC., 1500 to 4000 KC., 4 to 10 MC., 9 to 23 MC., and 100 division scale. Counter-clockwise. NET..... **$6.90**

USL MIDGET CONDENSERS



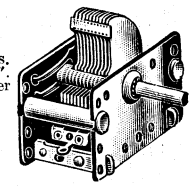
A small, well-built condenser, ideal for Short Wave use. ¼" shaft extends ⅞" from front of condenser. 5/16" bushing allows rigid mounting on panels up to ⅜" thick. Single hole mount; fits ⅜" hole. Overall size with plates open, 1¾"x1½". Attractively priced, high quality units.

No.	Plates	Min. Mmf.	Max. Mmf.	NET
B4125	3	3	15	35c
B4126	5	4	30	38c
B4127	7	5	45	41c
B4128	9	6	60	44c
B4132	12	6	80	47c
B4129	15	7	100	48c
B4133	18	8	125	53c
B4130	20	8	140	57c

DOUBLE SPACED MIDGETS

B4123	11	6	35	58c	B4124	14	7	50	79c

PRECISION SINGLE CONDENSERS



General-purpose compact single unit condensers. Low-loss bakelite insulation. Measure 3¼"x1⅞". 1⅝" deep. ¼"x1⅜" shaft. Clockwise; condenser closes to right.

No.	Cap. Mmf.	NET EACH
B4115	100	73c
B4116	150	
B4114	240	
B4117	370	
B4118	450	

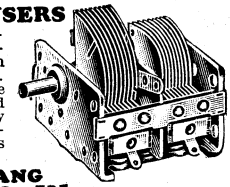
PRECISION 150 MMF. GANG CONDENSERS

Compact short-wave gang condensers. Ball-bearing pivots. Trimmers may be mounted on either side or removed. 3¼"x1⅞" end measurements.

B4119. 2 GANG. YOUR NET PRICE.. **$1.05**

B4120. 3 GANG. YOUR NET PRICE.. **$1.39**

KNIGHT COMPACT CONDENSERS

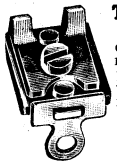


New, easy-to-mount compact condenser assemblies of superior design and precise construction. Trimmers are mounted on both sides. Plates slotted for accurate alignment. Maximum capacity, 370 mmf. Clockwise rotation. Available for either TRF and padded oscillator circuits, or with specially cut section for tracking unpadded oscillators. ¼" shaft extends 1½". End shields measure 2⅜"x1¼".

2 GANG
B4141. TRF.
B4142. 456KC.
YOUR NET PRICE.. **95c**

3 GANG
B4143. TRF.
B4144. 456 KC.
YOUR NET PRICE..... **$1.31**

TRIMMER CONDENSERS

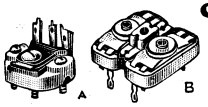


A new small-size trimmer condenser, ideal for balancing, trimming, neutralizing, antenna coupling, etc. Of sturdy construction on low-loss bakelite base measuring ¾"x⅝"x1/16". Full-plate type, with high grade mica dielectric, 3-30 mmf. Small enough to mount inside coils or directly to coil terminals.

B2949. NET EACH **6c**
LOTS OF 10..... **50c**

B2947. Ceramic Type. Has porcelain base instead of bakelite. Low-loss. Measures ¾"x⅝"x⅛". NET **8c**

TRIMMER AND PADDING CONDENSERS



For HF, IF, and Oscillator circuits. First quality mica-insulated; isolantite base. Screw driver adjustment. May be shunted by fixed mica condenser to increase maximum capacity. Solder lug type connectors; fit in small space or in coil form. Dual sections are for use in dual band sets, complex IF. Oscillator or similar circuits, etc.

SINGLE TYPE [Fig. A]

No.	Cap. Mmf.	NET
B6430	35-120	16c
B6431	80-225	19c
B6432	210-390	22c
B6433	350-600	24c
B6434	395-735	27c
B6435	520-960	30c

DUAL TYPE [Fig. B]

No.	Cap. Mmf.	NET
B6490	20-90	21c
B6491	50-180	24c
B6492	100-300	26c
B6493	170-410	38c
B6494	200-600	41c
B6495	300-675	44c
B6496	325-850	47c

CONDENSER COUPLING

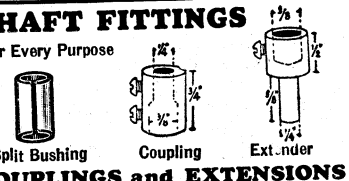


Insulated, bakelite flexible shaft coupling. Permits tandem operation of condensers, etc. For ¼" shafts.

B4149. NET..... **21c**

SHAFT FITTINGS

For Every Purpose



Split Bushing — Coupling — Extender

COUPLINGS and EXTENSIONS

Couplings are designed for extending shafts of volume controls, condensers, etc., or for ganging single units, even when shafts are not of same diameter. Extenders are for decreasing or increasing shaft diameter and for extending shaft length.

SIZE	KIND	STOCK NO. INSULATED	BRASS
¼"x¼"	Coupling	B4570	B4576
⅜"x⅜"	Coupling	B4571	B4577
¼"x⅜"	Coupling	B4572	B4578
¼ to ¼"	Ext.	B4573	B4579
⅜ to ¼"	Ext.	B4574	B4580
¼ to ⅜"	Ext.	B4575	B4581
Assorted Per 10 85c	Assorted Per 100 $8.25	NET EACH	**9c**

BRASS AND FIBRE SHAFTING

For extensions or replacements. ¼" dia.

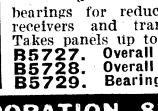
B4582. Brass. 6" long. EACH..... 10c
B4583. Brass. 12" long. EACH..... 19c
B4584. Fibre. 6" long. EACH..... 10c
B4585. Fibre. 12" long. EACH..... 19c

SPLIT BUSHING

For increasing shaft diameter from ¼" to ⅜". Brass. ¼" I.D.—⅜" O.D.—7/16" long.

B4586. Per 10, 35c. EACH..... **5c**

PANEL BEARING ASSEMBLY



For use with rigid or flexible couplings for mounting volume controls, condensers, rheostats, etc., at a distance away from the panel. Use these panel bearings for reducing body capacity in UHF receivers and transmitters. Made of brass. Takes panels up to 5/16" thick. For ¼" shafts.

B5727. Overall length 3". NET..... 21c
B5728. Overall length 6". NET..... 26c
B5729. Bearing only. NET..... 12c

RADIO FREQUENCY CHOKES

AIR-CORE





Compact, silk-covered wire, R.F. chokes. High impedance, lattice-wound type. Thoroughly impregnated for trouble-free service. Two types: Shielded or unmounted.

Unmounted	MH	Shielded
B5605	2½	B5613
B5606	5½	B5614
B5607 15c EACH....	6	B5615 26c EACH....
B5608	8	B5616
B5609 21c EACH....	16	B5617 29c EACH....
B5610 29c EACH....	30	B5618 42c EACH....
B5611	60	B5619
B5612 35c EACH....	80	B5620 47c EACH....

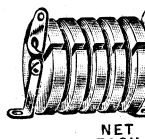
FERROCART [Iron Core]



New High-Q RF chokes; may be used in place of air-core chokes for higher efficiency. Provide greater gain and selectivity in either tuned or untuned plate load circuits.

No.	MH	NET	No.	MH	NET
B5785	2½	34c	B5789	30	49c
B5786	3½	34c	B5790	60	57c
B5787	5½	37c	B5791	80	65c
B5788	10	43c	B5792	125	85c

POLARIZED



A new efficient, popular-priced R.F. choke. Sectionalized winding construction minimizes distributed capacity. Thoroughly impregnated against moisture. Has metal mounting feet.

		NET EACH
B5628	2.5 M.H.	21c
B5627	3.4 M.H.	
B5626	5.5 M.H.	
B5625	10 M.H.	
B5624	30 M.H.	
B5623	60 M.H.	
B5622	80 M.H.	29c

NEW COILS FOR ALL PURPOSES

LATEST TYPE MEISSNER COILS

FERROCART IRON-CORE I. F. TRANSFORMERS

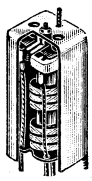


A new development in IF transformers which provides improved performance. The use of a finely powdered iron core, with each iron particle insulated from the others, results in a much higher "Q" than was heretofore possible. Core and winding losses are reduced to a minimum. Gain and selectivity are approximately twice that of air-core types. Ideal for use as replacements or for original installations. Replacing one air-core transformer in old sets with one of these units will greatly increase selectivity and improve the performance of the set. Double-tuned from top; mica-insulated trimmers. Cans measure 1⅝" square, 3½" high. Instructions included.

Freq.	Input No.	Interstage No.	Output No.
175 KC	B5800	B5804	B5808
456 KC	B5801	B5805	B5809
1500KC	B5802	B5806	B5810
3000KC	B5803	B5807	B5811

NET EACH..... **$1.18**

HIGH GAIN THREE PI I.F. TRANSFORMERS



New type IF transformers with three pi windings on primary and secondary. Exceptionally high gain. For best results, only one should be used in a receiver. Double-top-tuned. Cans measure 1⅜x1⅜x3½". Color-coded leads.

B5812. 456 KC Input. NET..... **88c**

B5813. 456 KC Output. NET..... **88c**

MATCHED-PAIR CRYSTAL FILTER I. F. TRANSFORMERS



For use in low-impedance link-coupled crystal filter circuits in communication receivers. Supplied in matched pairs designed to provide optimum gain. Have 1 11/16" mounting centers.

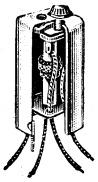
AIR TUNED TYPE

B5814. 456 KC } PER
B5815. 3000 KC } PAIR **$4.70**

MICA TUNED TYPE

B5816. 456 KC } PER
B5817. 3000 KC } PAIR **$2.35**

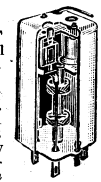
BEAT FREQUENCY OSCILLATORS



Especially designed units for use in incorporating beat-frequency oscillators in all-wave or short-wave receivers not already so equipped. Will provide "beat-note" tuning for locating weak signals, or for code reception. Each unit has color-coded leads and instructions. Size, 1⅜" square x 3½". With pitch control knob on top. Mica-insulated trimmer.

B5818. 456 KC.
B5819. 3000 KC. EACH..... **$1.03**

"ALIGN-AIRE" FERROCART IRON CORE I .F. 'S



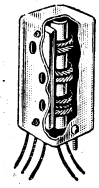
A new line of high-efficiency IF transformers having iron-cores. Will greatly increase gain, selectivity and sensitivity of either old or new sets. Tuned with air-dielectric condensers affording maximum stability. No frequency drift under normal changes of temperature. Finest Litz wound coils; completely shielded; with spade lug mountings. Can size, 2x2x4¾". Double top tuned.

Freq.	Input No.	Interstage No.	Output No.
175 KC	B5825	B5828	B5831
456 KC	B5826	B5829	B5832
3000 KC	B5827	B5830	B5833

NET EACH..... **$2.65**

B5834. Television special. Tunes 4900-5600 KC. NET..... **$2.65**

TRIPLE-TUNED I. F TRANSFORMERS

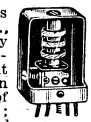


Provide High Fidelity reception without sacrificing sensitivity or selectivity. Flat-top characteristic eliminates side-band cutting. Affords true 10 KC selectivity with severe attenuation of adjacent channels. Side-mounted trimmers. Ideal replacements for sets with only one IF stage. Size, 2" square, 5" high.

B5793. 456 KC Input. Net..... **$1.47**

B5794. 456 KC Output. NET..... **$1.47**

UNIVERSAL ADJUSTABLE IRON-CORE COILS



A unique line of coils that permits exact duplication of defective R.F., Antenna, or Oscillator coils in any set. Inductance is continuously variable over a wide range to permit accurate tracking with old coils, in receivers requiring the replacement of only one or two coils. Fully shielded; easily mounted in small space. Simple screwdriver adjustment. Size, 1¾x1¾x2½".

B5795. Antenna Coil.
B5796. Oscillator Coil.
B5797. R.F. Coil.
NET EACH..... **$1.18**

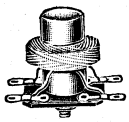
UNIVERSAL REPLACEMENT COMPOSITE OSCILLATORS



A compact, efficient combination oscillator assembly and 1st IF transformer, for use in circuits where first detector is also used as oscillator. Tunes from top. For use with any 370 mmf., TRF type condenser. Measures 2x2x3". Supplied with diagram to assure proper connection in circuit.

B5798. 175 KC.
B5799. 456 KC.
NET EACH..... **$1.03**

PENTAGRID OSCILLATORS



Compact, thoroughly impregnated oscillator coils particularly designed for use with Pentagrid tubes. Easy to mount; bakelite base with lug terminals. For use with 365 mmf. TRF type variable condenser.

UNSHIELDED TYPE

B5820. 175 KC. Use 900 mmf. padder.
B5821. 456 KC. Use 350 mmf. padder.
NET EACH..... **38c**

SHIELDED TYPE

B5822. 175 KC. Use 900 mmf. padder.
B5823. 456 KC. Use 350 mmf. padder.
NET EACH..... **56c**

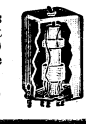
NOISE SILENCER I.F. TRANSFORMERS



A close-coupled IF transformer, single-tuned, with center-tapped secondary, especially designed for use in the popular noise silencer circuits. Mica-tuned; coded leads. Each unit supplied with wiring diagram.

B5690. 175 KC.
B5693. 456 KC. NET EACH **88c**
B5694. 3000 KC.....

PRESELECTOR



A high-gain shielded band-pass preselector unit for the broadcast band. Tunes 540-1700 KC with 370 mmf. condenser. Mounted in square aluminum can, 2x2x3".

B5782. YOUR PRICE..... **73c**

STANDARD I.F. TRANSFORMERS



Standard high-gain IF transformers of superior design. Ideal for replacements and new set building. Lattice-wound primary and secondary tuned by mica-insulated compression type condensers from top of can. RMA color-coded leads. Aluminum cans measure 1⅜" square and 3½" high.

Freq.	Input No.	Interstage No.	Output No.
175 KC	B5835	B5838	B5841
262 KC	B5836	B5839	B5842
456 KC	B5837	B5840	B5843

NET EACH..... **73c**

CENTER-TAPPED OUTPUTS

B5783. 175 KC
B5784. 456 KC EACH..... **73c**

NEW MILLER COILS

VARIABLE SELECTIVITY I.F. TRANSFORMERS



Especially designed to meet the demand for a transformer capable of providing a high degree of selectivity for DX, and a broad band for high fidelity reception. Simple electrical method for varying selectivity eliminates mechanical movements. Available with iron or air cores.

IRON CORE

B6580. 175 KC. }
B6581. 456 KC. } EACH **$1.47**

AIR CORE

B6582. 175 KC. }
B6583. 456 KC. } EACH **$1.18**

IRON CORE R.F. COILS



Small size R.F. coils; especially desirable for use in auto or other sets where a high-gain coil of small physical size is required. In aluminum shield cans measuring 1¼" diameter and 2" high. For use with 370 mmf. tuning condensers. Ideal replacements or for use in modernizing old sets.

B6584. Antenna Coil. }
B6585. R.F. Coil. } EACH **88c**
B6586. Oscillator Coil (465 KC) (Use 400 mmf. pad.) YOUR PRICE **73c**

HIGH GAIN T.R.F. COILS



Bank wound with Litz wire, permitting unusual sensitivity and uniform gain over entire wave band. Round shielding can 2¼ in. high, 1⅞ in. diameter. Use with 370 mmf. condenser. Covers 1760 to 540 KC. Low impedance primaries.

B5844. ANTENNA COIL. Small but highly efficient.
B5845. R.F. COIL. Same size and mounting as above. NET EACH..... **31c**
B5846. 4 TUBE KIT. Contains 1 Ant. Coil and 1 R.F. Coil. NET..... **60c**
B5847. 5 TUBE KIT. Contains 1 Ant. Coil and 2 R.F. Coils. NET..... **89c**

(All kits include schematic diagrams.)

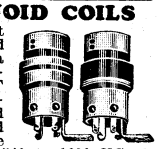
ANT. & R.F. COILS



High-gain fully shielded coils; for use with screen grid tubes. High impedance primaries. R.F. coil has primary at 90°. For 370 mmf. condenser. With coupling rings. Cans, 2x2x3". Tune 540 to 1500 KC.

B5848. Antenna Coil.
B5849. R.F. Coil. EACH **55c**

MIDGET SOLENOID COILS

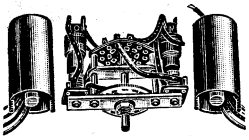


Extremely efficient midget solenoid type coils, wound with enamelled wire on a special tubing. Ideal for replacement in midget TRF sets. Primaries are adjustable. Unshielded. Tapped coils enable amateur and police reception. For use with 370 mmf. condenser. 540 to 1600 KC.

B6588. SET OF 2 COILS. YOUR PRICE..... **29c**
B6589. TAPPED FOR 2400 KC. 1—Antenna coil and 1—RF coil. YOUR PRICE..... **35c**

COILS · FORMS · COIL KITS

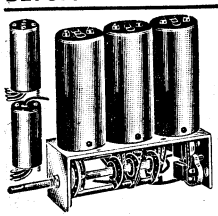
SKIP-BAND COIL ASSEMBLY



Enables you to build a sensitive receiver tuning from 18 to 55 meters and 175 to 565 meters. Coil assembly is completely wired and ready to install. Kit contains: 2 band antenna coil and 2 band oscillator coil mounted on a band-change switch; padding condenser; 2—456 KC IF transformers. Requires a 2 gang 370 mmf. tuning condenser. Diagram is included.

B2707. NET..... **$3.54**

GEN-RAL COIL ASSEMBLY



Antenna, RF and Osc. coils, assembled and wired with 4 point wave-change switch. Tunes 15 to 545 meters in four bands with 370 mmf. 3 gang condenser. Includes 2 —456 KC IF transformers and diagram.

B2709. COMPLETE KIT as described above. YOUR PRICE **$9.35**

B2710. Less I.F. transformers. YOUR PRICE **$7.20**

TWO BAND COILS



Efficient Short-Wave and Broadcast coils for the serviceman and experimenter. Shielded types are complete with mica-dielectric trimmers. Use with 456-465 KC. IF systems. For 370 mmf. T.R.F. variable condensers.

BROADCAST AND POLICE

Efficient coils for both Broadcast and Police bands. Cover 67-200 meters and 193-555 meters.

SHIELDED TYPE

		EACH
B7500.	Antenna	
B7501.	R.F.	**95c**
B7502.	Oscillator	

UNSHIELDED TYPE

Have 2 adjustable mounting feet. Less trimmers.

		EACH
B7503.	Antenna	
B7504.	R.F.	**53c**
B7505.	Oscillator	

BROADCAST AND SHORT-WAVE

Cover 16-53 meters and 187-555 meters. SW secondary space-wound with solid enamel wire.

SHIELDED TYPE

		EACH
B7507.	Antenna	
B7508.	R.F.	**95c**
B7509.	Oscillator	

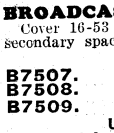
UNSHIELDED TYPE

Supplied less trimmers. Adjustable mounting.

		EACH
B7510.	Antenna	
B7511.	R.F.	**53c**
B7512.	Oscillator	

B7514. DUAL ADJUSTABLE PADDING CONDENSER. Each section 180-620 mmfd. The correct series padder for the oscillator coils listed above. NET..... **40c**

REPLACEMENT PRIMARY WINDINGS



Replacement high-impedance primary windings for use where extreme economy is necessary; for both Antenna and RF coils. The dimensions given below are the outside diameters of the coils with which these high quality replacement windings may be used.

		NET EACH
B7516.	1¼"	
B7517.	1"	
B7518.	⅞"	
B7519.	¾"	**15c**
B7520.	½"	

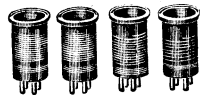
MEISSNER COIL DOPE



This high-grade RF lacquer assures you permanently efficient coils. Absolutely no loss in "Q" at any frequency. Quick drying.

B7522. NET..... **29c**

PLUG-IN COILS



Space-wound coils for use with 140 mmf. condensers. Forms are smooth bakelite, 1¼" diameter and 2¼" high; rim-top for easy handling.

4 PRONGS—2 WINDINGS

B5565. Short-Wave Coil Kit. 4 coils cover range from 16 to 217 meters. NET..... **85c**

B5566. Broadcast Coil Kit. 2 coils cover range from 190 to 550 meters. NET..... **78c**

B5567. Ultra Short-Wave Coil. Covers range from 9.5 to 21 meters. NET..... **35c**

5 PRONGS—2 WINDINGS

B5582. Short-Wave Coil Kit. Four coils cover from 16 to 217 meters. Use with band-spread coils for general coverage. NET..... **$1.08**

6 PRONGS—3 WINDINGS

B5568. Short-Wave Coil Kit. Primary, secondary and tickler windings. Cover 16 to 200 meters. 4 coils in kit. NET..... **$1.35**

B5569. Broadcast Coil Kit. 2 coils cover 190 to 550 meters. NET... **87c**

B5570. Ultra Short-Wave Coil. Covers 9.5 to 21 meters. NET..... **38c**

BAND-SPREAD COILS

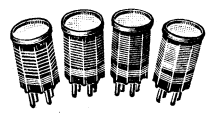
5 prong coils complete with ceramic base band-setting condenser mounted on top. Spread crowded amateur bands over large part of dial. For use with 140 mmf. condenser.

No.	Meters	Range-MC	NET EACH
B1920	20	14.0-14.4	
B1921	40	7.0- 7.3	
B1922	80	3.5- 4.0	**50c**
B1923	160	1.7- 2.0	
B1924.	Kit of 4 coils.....		**$1.90**

Five prong band-spread coils for the crowded international short wave broadcast bands.

No.	Meters	Range-MC	NET EACH
B1925	19	15.1-15.4	
B1926	25	11.7-11.9	
B1927	31	9.5- 9.6	**50c**
B1928	49	5.95-6.16	
B1929.	Kit of 4 coils.....		**$1.90**

BAKELITE RIBBED TYPE



1⅝" diameter and 2¼" high; molded ribs for low-loss winding; rim handles. Uniform windings for use with 140 mmf. condenser.

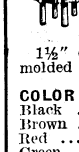
4 PRONGS—2 WINDINGS

B5574. Short Wave Coil Kit. Set of four coils covers range of 16 to 217 meters. Grid and tickler windings. NET.. **$1.18**

B5575. Broadcast Coil Kit. 2 coils cover 190 to 550 meters. NET..... **94c**

B5576. Ultra Short-Wave Coil. Covers 9.5 to 21 meters. NET..... **53c**

BAKELITE COIL FORMS



RIM TYPE

Low-loss, with high dielectric strength. Molded rim handle for easy grip. 1¼" diameter and 2 3/16" high.

No.	Prongs	EACH
B1930	4	
B1931	5	**10c**
B1932	6	
B1933	7M (.850)	
B1934	7S (.750)	**18c**
B1935	8S	



SMALL RIBBED TYPE

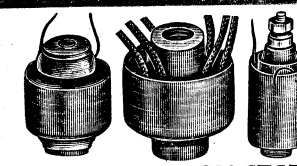
Genuine molded bakelite; 1⅜" diameter, 2¼" high. Have molded ribs for low-loss winding.

No.	Prongs	NET EACH
B5577	4	
B5578	5	**14c**
B5579	6	

LARGE RIBBED TYPE

1⅝" diameter with 2½" winding space. Rim molded on top for easy handling. In 4 colors.

COLOR	4 PRONG	5 PRONG	6 PRONG
Black	B2625	B2630	B2635
Brown	B2626	B2631	B2636
Red	B2627	B2632	B2637
Green	B2628	B2633	B2638
NET EACH..	**17c**	**19c**	**21c**



REPLACEMENT MAJESTIC I. F. TRANSFORMER COILS

Will fit in original Majestic shield cans without change. Well-constructed. Thoroughly impregnated; moisture-proof. Wound of double-coated enameled wire on paper tubing. Coils are supplied less tuning condenser and can.

Cat. No.	Majestic Part No.	Model	EACH NET
B7150	4428	15, 15B, 150	**$0.35**
B7151	8384	15, 15B, 150	**.40**
B7154	6506	55	**.40**
B7158	6250	200	**.40**
B7160	6119	210	**.40**
B7161	6123	210	**.40**
B7162	6127	210	**.40**
B7163	7812	390, 310, 330	**.42**
B7168	10149	460	**.40**
B7169	10253	460, 800	**.50**
B7169	11014	800	**.50**
B7175	7187	Primary coil used as RF plate coil in Models 290, 300, 310, 330, 460, 520 and 800	**.40**

COIL ASSEMBLIES IN CANS

Cat. No.	Part No.	Model	EACH
B7190	4428	15, 15B, 150	**$1.35**
B7191	8384	15, 15B, 150	**.88**
B7193	10149	460	**.85**
B7194	10843	500	**1.25**
B7195	3908	20	**1.45**
B7196	3960 / 3907	20	**1.75**
B7197	4439	60	**1.75**

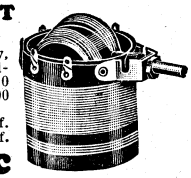
DIMMER REACTOR TRANSFORMER FOR MAJESTIC RECEIVERS

An exact duplicate of Majestic Part No. 7785, used in late Majestic receivers as a resonance indicator. Fits chassis exactly.

B7104. List, $1.95. NET..... **85c**

We can supply exact duplicate, or adequate replacement coils for any set. When ordering, state name, model and type of set, where coil is used, bands covered, condenser type, tubes used, etc. Cost depends on coil specs. Send old coil with $1.50 deposit for replacement or quotation.

THREE CIRCUIT TUNERS



Has primary, secondary, and variable tickler windings. Covers 200 to 570 meters using 350 or 500 mmf. condenser.

B1700. For 350 mmf.
B1701. For 500 mmf.
YOUR PRICE EACH **73c**

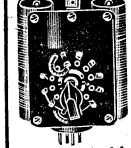
R.F. COILS TO MATCH

B1702. For 350 mmf. Condenser.
B1703. For 500 mmf. Condenser.
NET EACH **46c**

TAPPED FOR SHORT WAVE

New three circuit tuner and R.F. Coil as above, but tapped for S. W. reception with 350 mmf. Condenser.

B1704. Tuner. YOUR PRICE..... **78c**
B1705. R.F. Coil to match Tuner. NET **48c**



BAND-SWITCHING COILS

Covers from 16 to 550 meters. Two or more units are easily ganged. Has 4 prong base for easy mounting. Complete with pointer knob, dial plate and diagrams. For 140 mmf. condenser.

B5661. List, $4.25. NET..... **$2.65**

SUPERHET OSCILLATOR COILS

Superhet oscillator coil for use with above antenna unit. Tunes 16-550 meters. For 465 K.C. I.F. With diagrams.

B5662. List, $4.25. NET..... **$2.65**

COMPLETE SUPERHET KIT

1 each of above units ganged together, ready for use. With knob, dial plate and diagrams. **B5563.** NET..... **$4.70**

KNOBS • DIALS • REMOTE CONTROLS

HIGH GRADE BAKELITE KNOBS

2 TONE KNOBS

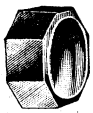


ROUND TYPE

Two tone effect and well proportioned. Appropriate for most receiver designs. Smooth, polished finish. For ¼" shaft.

B6206. 1" diam.
B6207. 1⅜" diam.
10 Lots, 55c. EACH..... 6c

OCTAGON TYPE



Modern octagon-shaped knobs in pleasing two-tone walnut and oak finish. Set screw type. For ¼" shaft. Two popular sizes.

B6209. 1³⁄₁₆" diam.
B6210. 1⁵⁄₁₆" diam.
10 Lots, 55c. EACH..... 6c

PUSH-ON KNOB



Attractive bakelite knob for ¼ inch shafts. Push-on type. Excellent for volume controls, switches, etc. 1⅜" dia.

B2914. NET EACH.... **4c**
LOTS OF 10.....30c

NEW OCTAGON KNOB



A handsome domed octagon knob of modern design in rich walnut finish. Will harmonize with practically any cabinet. Diameter, ⅞". For standard ¼" shaft. Set-screw type.

B2917.
Lots of 10, 40c.
YOUR PRICE EACH..... 5c

MODERNISTIC TYPES

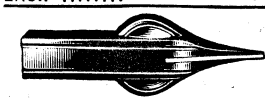


B6202. 1⅛" across including pointer. ⅜" high. ¼" hole. Set screw in side.

B6203. 1¹⁄₁₆" Dia. ¼" hole, ½" high. Octagon pyramid top. Walnut finish. Set screw in side.

B6204. 1⅛" Dia. ½" high, ¼" hole. Set screw in side. Polished black finish. Fluted design, with white reference pointer on side.

B6205. 1¹⁄₁₆" Dia. ¼" hole. Octagon flat type. Walnut finish. Set screw in side. An attractive knob.
10 for 45c.
YOUR PRICE EACH 6c



STREAMLINED BAR KNOBS

Modern knobs for test instruments and other equipment. Give a professional appearance to your apparatus. With easy-to-read white pin-line indicator. Recessed set screw to avoid shocks. Fit ¼ inch shafts. Black or brown finish.

B6171. Black, 1¼".
B6172. Brown, 1¼".
DOZ., 95c.
YOUR PRICE EACH..... 9c

B6173. Black, 2¼".
B6174. Brown, 2¼".
DOZ., $1.05
YOUR PRICE EACH..... 10c

WALNUT AND MAPLE KNOBS

Genuine wood knobs, beautifully made and finished. For ¼" shafts. Brass bushing inset; side set screw.

No.	Fig.	Width	Wood
B3765	A	⅞"	Walnut
B3766	B	⅞"	Maple
B3767	B	⅝"	Walnut

YOUR PRICE EACH **8c**
PER 10 .....**70c**

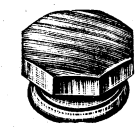


Fig. A

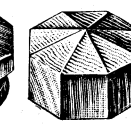


Fig. B

B3768	A	1"	Walnut
B3769	A	1¼"	Walnut
B3770	B	1"	Maple
B3771	C	1"	Walnut
B3772	C (Plain Top)	1"	Walnut
B3763	D	1"	Walnut
B3764	D	1⅛"	Walnut

YOUR PRICE EACH **9c**
PER 10 .....**76c**

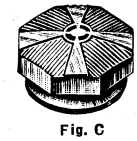


Fig. C

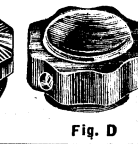
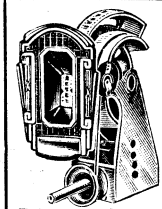


Fig. D

DRUM TYPE DIAL



Smooth and positive-acting drum dial with translucent calibrated scale. Ratio 3¼ to 1. Fits ⅜" condenser shaft. With pilot light socket and escutcheon.

B4186. 0-100. Clockwise.
B4187. 100-0. Counter-clockwise.
NET EACH 98c

POINTER KNOB



Black 1½" bakelite knob. White arrow on face. Fits ¼" shaft.

B6208.
NET EACH 5c
LOTS OF 10.....40c

KURZ KASCH VERNIER DIAL

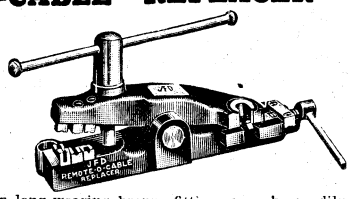


A durable and attractive dial always popular with builders and experimenters. Made of polished black bakelite. Universal scale reads 0-100-0. Has smooth, positive friction-drive vernier action; no backlash. Available in two sizes, both to fit ¼" shaft. Ideal for all equipment requiring a smooth, free-tuning panel-mount dial. Very easy to mount. 4-inch dial has tuning ratio of 13 to 1; 3-inch size has 9 to 1 ratio. Wt., either size, 4 oz.

B6201. 4-Inch Diam. NET **56c**
B6200. 3-Inch Diam. NET **47c**

AUTO RADIO REMOTE CONTROL ACCESSORIES

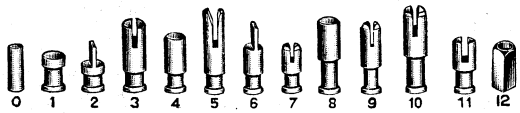
"REMOTE-O-CABLE" REPLACER



Here is the solution to your auto radio cable replacement problems. All the work is done by one machine. Enables you to repair or replace worn or broken cables and fittings without delay. Cuts both cable and housing neatly and accurately. Swedges cable ends to prevent unraveling. Removes all types of fittings. Old fittings may often be salvaged. New long-wearing bronze fittings may be readily installed. Makes it easy to move sets to other cars as exact cable lengths eliminate backlash and reduce strain. Sell rear-of-car and other special installations without waiting for special cables. The Remote-O-Cable Replacer with a small stock of fittings, cable, cable housing, housing ends, and gear fittings, is all that is required. Supplied with instructions. Shpg. wt., 23 lbs.

B10405. List, $47.50.
YOUR PRICE $37.24

AUTO RADIO CABLE FITTINGS



Long-wearing, exact duplicate fittings as used in the majority of present day auto radios. Will enable you to repair any cable quickly and accurately. When entering your order, match old fitting with illustration and refer to type listed below for correct item.

No.	Type	No	Type	
B1820	0	B1826	6	NET EACH
B1821	1	B1827	7	
B1822	2	B1828	8	
B1823	3	B1829	9	
B1824	4	B1830	10	
B1825	5	B1831	11	
		B1832	12	**6c**

WE WILL ASSEMBLE CABLES at right above in any desired length with any of the fittings shown, at a net charge of 35c plus material costs as listed above. Give complete and accurate lengths of both cable and housing and specify exact fittings desired. Full remittance must accompany your order.

CONTROL CABLE AND HOUSING

The same cable and housing used by leading factories. Swedged ends on cable to prevent unraveling. Housing Parkerized to prevent rust.

CABLE ONLY .130"	.150"	Lgth.	NET
B1850	B1854	18"	$0.24
B1851	B1855	24"	.29
B1852	B1856	30"	.36
B1853	B1857	36"	.42
B1895	B1869	25 ft.	2.89
B1896	B1870	50 ft.	5.65
B1894	B1871	Lengths	over
36 inches.	Per Foot.....		16c

HOUSING ONLY .130"	.150"	Lgth.	NET
B1860	B1864	18"	$0.18
B1861	B1865	24"	.24
B1862	B1866	30"	.26
B1863	B1867	36"	.31
B1897	B1873	25 ft.	2.59
B1898	B1874	50 ft.	5.00
B1899	B1875	Lengths	over
36 inches.	Per Foot.....		12c



HOUSING ENDS

Exact duplicate, accurately made end-fittings for cable housings. Fit perfectly.

B1834. Type A. | B1837. Type D.
B1835. Type B. | B1838. Type E.
B1836. Type C. | B1839. Type F.

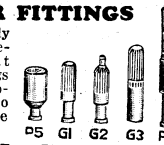
NET EACH **6c**

B1840. Type H. Fits Motorola .130" housing.
B1841. Type H. Fits Motorola .150" housing.
NET EACH **18c**

B1842. Type G. Casing chuck for Motorola.
NET **9c**

GEAR FITTINGS

Accurately machined replacement gear fittings for most popular auto radio cable assemblies.



B1844. Type P5 .....NET 15c
B1845. Type G1.
B1846. Type G2.
B1847. Type G3.
B1848. Type P4.
NET EACH, **24c**

MISCELLANEOUS PARTS

Special fittings developed to enable the service man to install new parts where necessary.



B1876. Type A. | B1878. Type C.
B1877. Type B. | B1879. Type D.
NET EACH **15c**

ASSORTED FITTINGS & GEARS

Handy assortment of cable fittings and gears. Sturdy metal box contains 120 pieces for repairs of cables for Philco, Motorola, R.C.A., Bosch, United Motors, Crosley, Arvin, Sparton, Stewart-Warner, Zenith and others.

B1849. List, $13.50. NET.... **$7.84**



DIALS · PILOT LIGHTS · DIAL CABLES

GENUINE EVEREADY MAZDA PILOT LIGHT BULBS



Genuine Eveready Mazda pilot light bulbs. Famous for quality and dependable long life. These lamps are made to operate from the voltages indicated. Excellent for all pilot lamp requirements. Will give long continuous service. Suitable for all standard radio sets and devices. Wt., 1 oz.

STOCK No.	Lamp No.	Volts	Amps.	PRICE EACH	PER 10
B1250	41	2.5	.50	9c	$0.54
B1215	43*	2.5	.50	10c	.59
B1251	42	3.2	.35	12c	.71
B1253	40	6.3	.15	9c	.54
B1257	50†	6-8	.20	10c	.59
B1216	51*†	6-8	1.0	7c	.41
B1254	Spec.	2.0	.06	20c	1.18
B1217	Spec.*	2.0	.06	22c	1.29
B1255	44*	6.3	.25	9c	.54
B1256	46	6.3	.25	9c	.54

*Indicates miniature bayonet base.
†Indicates small round bulb.

SPECIAL BULB FOR RCA-VICTOR RE32



SII. A 115 volt bulb with intermediate base; special for RCA-Victor RE32. 10 watt.

B6449. NET EACH..... **20c**

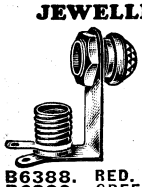
PILOT LIGHT SOCKETS



Pilot light sockets for all radio requirements. High quality construction. Carefully assembled with silver-plated lugs for easy soldering. Spring contact in the socket holds lamp firmly in place. Sockets may be mounted in different positions.

B6380. Type A.
B6381. Type B.
B6382. Type C.
B6378. Type D. Bayonet Shell Type.
B6379. Similar to type D, but mounting clip reversed.
10 Lots, 40c.
100 Lots, $3.70. NET EACH..... **5c**

JEWELLED PILOT LIGHT BRACKETS



Visual indicators for use on power amplifiers, relay racks, etc. Socket mounted on bracket takes regular pilot light bulbs. Single hole mounting. Serves as a definite means of knowing when your equipment is "on." Complete with jewel.

B6388. RED.
B6389. GREEN.
B6390. AMBER. NET EACH.. **16c**

JEWELS FOR PILOT LIGHTS

Attractive colored jewels with mounting nuts for panel use. Easy to mount on panels up to ¼ inch thickness. Require ½" hole. Have 7/16" threaded shank. ⅜" long.

B6384. Red.
B6385. Green.
B6386. Amber. EACH..... **10c**



DIAL LITE COLORING KIT

Easily applied transparent colors. For use on pilot and dial light bulbs. Kit contains one bottle each: Green, Blue, Red and Brown; with a bottle of solvent for cleaning bulbs.

B2998. NET PER KIT..... **29c**

BRAIDED SILK DIAL CORD



Durable dial cable of pure Japanese silk, with water-proof finish. Flexible, non-kinking. Easy to install.

No.	Length	NET
B6080	5 ft.	$0.22
B6081	25 ft.	.80
B6082	50 ft.	1.50
B6083	100 ft.	2.75



VALUES IN MODERN DIALS

3¼ INCH MODERNISTIC DIAL

An attractive modernistic square type airplane dial with handsome bronze escutcheon. Positive non-slip friction drive. For ⅜" shaft, but supplied with ⅜" to ¼" reducer for use on condensers with ¼" shaft. Tuning ratio of 10-1 assures sharp easy tuning. Universal scale for use with any clockwise or counter-clockwise condenser. Complete with two pilot light brackets. Shpg. wt., 1 lb.

B4180. NET EACH..... **$1.05**



5⅛ INCH AIRPLANE DIAL

A large strikingly handsome dial. Glass protected pyralin face carries two scales, 0-100 and 100-0 for use with either clockwise or counter clockwise condensers. Dual pointers travel with rotor of condenser; 10-1 tuning ratio. Has two pilot light brackets and brown bakelite escutcheon plate. For ⅜" shaft. Equipped with split bushing for use on condensers having ¼" shaft. Wt., 2 lbs.

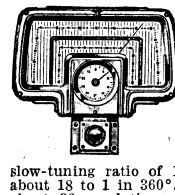
B4177. EACH..... **$1.47**



4 INCH AIRPLANE DIAL

A high quality translucent dial with universal scale. Positive friction drive, will not slip. Tuning ratio 9 to 1, for smooth easy tuning. Dial pointer travels with condenser. Will fit ⅜" shaft. With two pilot light sockets, escutcheon plate and bushing for ¼" shafts.

B4181. YOUR PRICE..... **$1.10**



CROWE DeLuxe Micromaster

A brand new MICROMASTER dial combining extremely beautiful appearance with exceptionally fine tuning. Glass protected peach and brown pyralin scale is calibrated 0-100. Two speed planetary drive has slow-tuning ratio of 100 to 1 and fast ratio of about 18 to 1 in 360°. Secondary pointer makes about 36 revolutions to 1 of the main pointer. Complete with 5¾" x 8½" bronze escutcheon, two brown knobs, and 3 pilot light sockets.

B3752. 0-100 CLOCKWISE.
B3753. 100-0 COUNTER-CLOCKWISE. NET EACH..... **$5.88**



GIANT 6½ INCH BANDSPREAD DIAL

A beautiful 6½" bandspread dial. New Divide-A-Meter two speed planetary drive provides bandspread equivalent to 11½ feet over 180 degrees. Ratio, 22 to 1 over 360 degrees. For use with 365 or 420 mmf. condensers. Ideal for replacing dials in sets taken in as "trade-ins" on new sets. These sets can then be resold at handsome profits. Complete with beautiful 7½" bezel, bronze escutcheon, mounting brackets and adapter for ¼" or ⅜" shaft. Shpg. wt. 2 lbs.

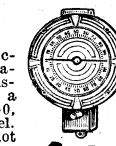
B4190. List, $6.75. NET..... **$3.97**



3⅛ INCH AIRPLANE DIAL

A positive-action, smooth-tuning dial. Dual translucent universal scale is protected by convex glass bezel. Tuning ratio 6 to 1. Pointer travels with condenser. Supplied with pilot light socket and handsome bronze finished escutcheon. Fits ⅜" condenser shaft. Equipped with split bushing for use on ¼" shafts. Shpg. wt. 1 lb.

B4182. YOUR PRICE..... **85c**



2⅝ INCH AIRPLANE DIAL

A smooth, positive-action friction-drive dial, with a tuning ratio of 5¼ to 1. Has dual translucent dial calibrated with a universal scale, 0-100 and 100-0, protected by convex glass bezel. With escutcheon and single pilot light socket. Fits ⅜" shaft.

B4175. YOUR PRICE **69c**



CROWE MICROMASTER BANDSPREAD DIAL

A beautiful modern dial for All-Wave or Short-Wave Receivers. Two-speed planetary drive provides a slow speed of 44 to 1 and a fast speed of 9 to 1. "Second hand" pointer ratio is 16 to 1. 3⅜" diam. dial scale, protected by glass bezel; with bronze escutcheon.

B3773. Scales: UPPER, 0-100. LOWER, 100-0. BAND SPREAD, 1-12.
B3774. Scales: UPPER, 100-0. LOWER, 0-100. YOUR PRICE EACH..... **$3.17**

2 SPEED PLANETARY DRIVE



To be used as auxiliary speed reducer on many controls. Mounts on condenser, back of panel, or on knob shaft of dial. Slow ratio 7 to 1, and fast ratio 1 to 1. Requires dual knob. Fits ¼" shaft.

B3756. YOUR PRICE... **88c**

Knobs for Planetary Drives



For drive unit listed at left. Large knob fits 7/16" high speed shaft; small one fits ¼" slow speed shaft.

B3757. Walnut.
B3758. Black.
PER PAIR..... **12c**

PHOSPHOR BRONZE DIAL CABLE



The 42 Strand Cable is made up of 6 individual cables each consisting of 7 strands of the finest grade of phosphor bronze wire, around central linen core. The 16 Braided Cable is made up of 16 strands of fine bronze wire woven together. Minimum stretch.

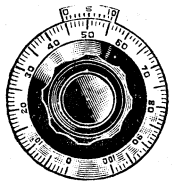
42 STRANDED		NET	16 BRAIDED		NET
B6070	5 ft.	$0.20	B6074	5 ft.	6c
B6071	25 ft.	.74	B6075	25 ft.	22c
B6072	50 ft.	1.39	B6076	50 ft.	36c
B6073	100 ft.	2.50	B6077	100 ft.	60c

EXACT DUPLICATE DRIVE CABLE-BANDS-BELTS

Exact duplicates in size, material and design as the originals. We can supply any type of cable, band or belt on special order. Send in old dial cable, or state make and model of set. We will supply the proper replacement promptly.

Stock No.	Model	NET
	Atwater-Kent	
B6085.	30	15c
B6086.	32	24c
B6087.	35, 37	15c
B6088.	44	24c
B6089.	46	15c
B6090.	55	15c
	Columbia	
B6092.	All	31c
	Brunswick	
B6104.	S14, 21, 31.	15c
B6105.	15, 22 Front.	24c
B6106.	15, 22 Rear.	24c
	Crosley	
B6093.	40s, 60s, 804.	18c
B6094.	601, 602, 607.	21c
	Majestic	
B6095.	No. 1—70, 71, 72	9c
	Majestic (Cont.)	
B6096.	No. 2—70, 71, 72	9c
B6097.	52, 60	13c
B6103.	180	15c
	Philco	
B6098.	All	13c
	RCA	
B6100.	16, 17, 18, 33	15c
B6101.	80, 82, 86..	21c

DIALS • PHOTO ELECTRIC CELLS



INSTRUMENT DIALS

Chrome silver dials with grained satin finish and engraved black numerals and calibrations. Vernier grip knob for ¼" shaft. Reads 0-100. With vernier marker.

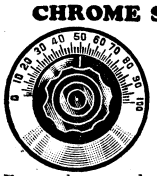
2¾ INCH DIALS

B5733. 325 Degrees
B5734. 180 Degrees.
NET EACH **73c**

4 INCH DIALS

B5735. 325 Degrees.
B5736. 180 Degrees.
YOUR PRICE EACH **$1.03**

CHROME SILVER DIAL PLATES WITH FLANGE KNOBS



Attractive grain satin finish. Have black Etched-Engraved numerals and calibrations on chrome silver. Dial plate reads 0-100. Supplied with Finger Grip flange knobs for ¼" shafts.

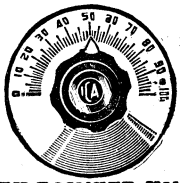
3½ INCH DIAL PLATE

B5737. 180 Degrees.
B5738. 325 Degrees.
NET EACH **74c**

4 INCH DIAL PLATE

B5739. 180 Degrees.
B5740. 325 Degrees.
NET EACH **91c**

CHROME SILVER DIAL PLATES



WITH POINTER KNOBS

Handsome, professional dial plates finished in silver-grain satin with calibrations clearly engraved in black. Calibrated 0 to 100. Fluted finger grip pointer knob fits all ¼" shafts. These plates lend a commercial appearance to your receiver, transmitter, etc. 325° style ideal for use on volume controls, on amplifiers, modulators, etc. The 180° dial plates are excellent for use with all standard receiving and transmitting condensers.

2-INCH DIAL PLATES

B5670. 180 Degrees.
B5671. 325 Degrees.
NET EACH **52c**

3½-INCH DIAL PLATES

B5672. 180 Degrees.
B5673. 325 Degrees.
NET EACH **71c**

4-INCH DIAL PLATES

B5674. 180 Degrees.
B5675. 325 Degrees.
NET EACH **91c**

DIAL PLATES ONLY

Above plates less knobs.

180 DEGREES

No.	Dia.	NET
B5741	2"	28c
B5742	3½"	48c
B5743	4"	57c
325 DEGREES		
B5744	2"	28c
B5745	3½"	48c
B5746	4"	57c



FINGER GRIP KNOBS

Molded of high quality black bakelite; for ¼" shaft. Has an attractive, professional appearance. Fluted rim gives positive grip for delicate adjustment. Supplied with flange, with pointer, or plain.

WITH POINTER

B5475. 1⅛". Fig. A.... **25c**
B5476. 1⅝". Fig. A.... **30c**
B5477. 2⅜". Fig. A.... **36c**

WITH FLANGE

B5478. 2 1/16". Fig. B.... **28c**
B5479. 3". Fig. B.... **37c**

LESS POINTER

Similar to Fig. A, but less pointer.

B5480. 1⅛". EACH..... **17c**
B5481. 1⅝". EACH..... **23c**
B5482. 2⅜". EACH..... **28c**

NAVY KEY KNOBS



Molded of black Insuloid. For easy keying, ⅝" high; 1 9/16" dia. of lower skirt. 8-32 screw.

B5730. NET EA... **9c**

ETCHED METAL NAME PLATES



STANDARD SIZE

High quality name plates designed to give your equipment a professional appearance. Made of brass with characters and borders chromium-plated; backgrounds are etched dull black. Available in 104 different markings, among which are the following: Microphone, Phono Input, Oscillator, Transmitter, 1st Buffer Grid, Power Amp. Plate, Antenna, Plate Voltage, Filament Voltage, Key, Rectifier, A.C. Input, Modulator Plate, Gain Control, Input, etc.

Write for free complete list of name plates available. Standard size plate is 1½x⅜ inches. This size is especially suited for Sound and Test Equipment. Furnished complete with self-tapping machine screws. SPECIFY MARKING DESIRED WHEN ORDERING.

B2885. NET EACH.. **6c**

DE LUXE SIZE

Similar in design and markings to above but larger—2½x½ inches. Especially designed for transmitters, etc. WRITE FOR COMPLETE LIST.

B2888. NET EACH.. **10c**

AC-DC DIAL PLATES



Attractive round etched plates for small A.C.-D.C. sets. Graduated tuning dial is marked 0-100. Volume plate has etched arrow. 1⅝" diameter. Bronze finish.

B5677. Tuning dial.
B5678. Volume.
NET EACH **9c**



VERNIER DIAL MARKERS

Attractive dial markers for accurate tuning. Chrome silver with grained satin finish. With screw.

Cat. No.	Dial Size	Degrees	NET EACH
B5747	2¾"	325	17c
B5748	2¾"	180	
B5749	4"	325	
B5732	4"	180	

EBY PHOTO CELL EQUIPMENT

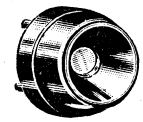


PHOTO CELL

A new type of photo cell designed for long life and maximum sensitivity. Ideal for light-controlling circuits, and for general experimental purposes. Entire unit is shock-proof and moisture-proof. Unaffected by continuous exposure to lights of strong intensity, and will operate on voltages as high as 250 volts without damage to cell. Response curve covers visual spectrum, and extends far into infra-red. Measures 1¼" dia., ¾" high. Mounts in standard four prong socket.

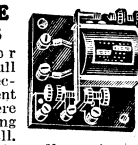
B4032. NET..... **$3.18**

ELECTRIC EYE HANDBOOK

B4033. 32 pages of new material pertinent to photo electric cells; gives hints and diagrams on adaptations of Electric Eye. Just the book for the experimenter or engineer.

NET **35c**

SENSITIVE RELAYS



Designed for direct, or for full or half-wave rectified current circuits, where the operating power is small. Ideal for photo cell equipment, vacuum tube amplifier circuits, etc., due to the low power necessary to make contact. Sterling silver contacts carry 2.5 Amps. at 115 V. A.C., or 1.5 Amp. at 115 V. D.C.

B4045. 1000 ohm coil.
B4046. 2500 ohm coil.
B4047. 5000 ohm coil.
B4048. 10000 ohm coil.
NET EACH..... **$4.15**

EXPERIMENTAL KIT

Necessary parts for building various Electric Eye circuits. Includes the Eby Electric Eye; sensitive relay; tube and eye sockets, resistors, condensers, circuits and information.

B4049. NET..... **$9.55**

PHOTO CELL AND RELAY



An efficient light-controlled instrument with many valuable uses. Contains a sensitive photo-cell and quick acting relay. Can be used to actuate automatic door opening mechanism, for grading and counting packages on production lines, for controlling lights, or for a host of other applications. Size 4"x4"x5". Suitable light source is listed below. With photo-cell. For 110 V., 60 cycles.

B1230. NET..... **$14.70**

LIGHT SOURCE FOR PHOTO CELL

B1231. A ruggedly built light source for use with the above or similar photo-cell relay units. Operates from 110 Volt 60 cycle supply. Uses standard 6-8 volt 32 C.P. auto bulb. Light beam is projected by means of brass tube fitted with high grade optic lens. Size 2¾" square, 5⅝" high. With bulb. NET..... **$5.88**

PHOTO ELECTRIC CELLS

CETRON CE-3



B1135. A high quality photo-electric cell suitable for a variety of electronic applications. May be used to replace W.E. type for sound film work. Connections are made by means of flexible leads with phone tips. Cathode plate is 1¾ sq. in. Requires an average ionizing voltage of 135 Volts.

CE-1 CELL

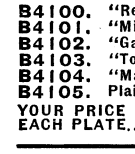
B1136. For replacement in such moving-picture equipment as Acme Simplex, Edco, Moviola, RCA Photophone, Powers, etc. 4 prong plug-in type base. 39/32" high, with cathode area of .94".

CE-2 CELL

B1137. A shorter, wider cell, with cathode area of 1.33". For use with Argus, Bestone, DeVry, Full Range, Pacent, and Universal type projection equipment. Height, 2⅞". 4 prong base.

YOUR NET PRICE EACH OF THE ABOVE CELLS..... **$5.40**

ETCHED METAL DIAL PLATES



Attractive black dial plates with etched aluminum figures. Suitable for use on amplifier panels, etc. Measure 2¼" high x 1 11/16" wide. For 300° rotation.

B4100. "Record." 0-10.
B4101. "Microphone." 0-10.
B4102. "Gain." 0-10.
B4103. "Tone." 0-10.
B4104. "Master Gain." 0-10.
B4105. Plain. 0-10.
YOUR PRICE EACH PLATE..... **12c**

ROUND TYPE SWITCH PLATES



Toggle-switch plates, attractively finished in etched aluminum with black background. Diameter 1⅛".

B4106. "MICRO-PHONO."
B4107. "OFF-ON."
YOUR PRICE EACH..... **7c**

GEAR REDUCTION UNIT

6 TO 1 RATIO



For use with any condenser not equipped with reduction gear. Has double-driven gear and anti-backlash spring. ¼" drive shaft. EACH

B4111. For ¼" shaft. **35c**
B4108. For ⅜" shaft.

UTAH SENSITIVE RELAYS



Plug-in type relays that fit standard 4 or 5 prong tube sockets. Silver contacts will handle 250 Watts at 110 V. 1½"x3⅛". For D.C.

No.	Coil Volts	Contacts
B1150	2	S.P. Open
B1151	6	S.P. Open
B1152	32	S.P. Open
B1153	110	S.P. Open
B1154	2	S.P. Closed
B1155	6	S.P. Closed
B1156	32	S.P. Closed
B1157	110	S.P. Closed
B1158	2	S.P.D.T.
B1159	6	S.P.D.T.
B1160	32	S.P.D.T.
B1161	110	S.P.D.T.

NET EACH **$1.76**

Amateur & Short Wave Books

RADIO AMATEUR CALL BOOK



LATEST EDITION

Lists over 40,000 U. S. A. and Foreign Amateurs. Contains a complete, accurate list of all high-frequency Commercial and Broadcast stations. Gives accurate schedules of Time, Weather and Press reports from principal stations throughout the world. Includes international abbreviations, Q, R, & T. signal report tables, international prefixes, postal rates to foreign countries, U. S. inspection districts, and other valuable information. Extremely helpful to every Amateur and Short-Wave Listener.

$1.25

B7079. YOUR PRICE .....

POPULAR S.W. BOOKS



HOW TO BUILD AND OPERATE SHORT WAVE RECEIVERS

Prepared by Short Wave Craft Magazine. Describes dozens of successful Short Wave sets and converters, showing wiring and layout diagrams. Clearly written for the Short Wave fan to assure successful construction and operation. 76 pages.

B5237. NET **40c**

101 SHORT WAVE HOOK-UPS

Contains complete diagrams and explanations of all the important short wave hookups of the last five years, including the "19" Twinplex, "Globe-Trotter," 2 Tube Pee-Wee, Regenerative Oscillodyne, and many others.

B5238. NET **40c**

SHORT WAVE COIL BOOK

This book should be in the library of every Amateur, Beginner and Experimenter. 16 pages of useful data. Contains illustrations galore giving full instructions and showing modern methods for winding all types of coils.

B5239. YOUR PRICE..... **25c**



SHORT WAVE BEGINNERS BOOK

Easy to understand. Explains fundamentals, radio symbols, how to wind coils and construct S.W. sets and aerials. Has valuable tube and wire charts.

B5244. YOUR PRICE **25c**



TELEVISION WITH CATHODE RAYS

Practically a complete course of instruction in modern television methods. Explains fully the cathode-ray tube and its application to television. Written clearly and understandably, for the beginner and engineer alike. Appendix explains mathematical language. Price includes supplements free for one year.

B2168. YOUR PRICE..... **$2.75**



RADIO AMATEUR COURSE

An essential volume for beginners, this big, new complete book describes in simple language the fundamental principles of short wave transmitters and receivers. Many diagrams and illustrations. Chapters on Construction, Learning Code, Antennas, A.C., Vacuum Tubes, Power Supplies, Amplifiers, etc.

B5249. NET **50c**

HAMMARLUND S. W. MANUAL

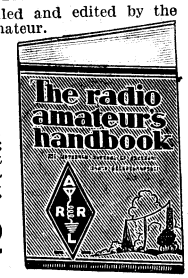
Gives complete constructional details for building 13 of the most popular low-cost Short Wave receivers. Includes band-spread and 5 Meter designs. 70 illustrations. 32 pages.

B5386. YOUR PRICE..... **10c**

LATEST A.R.R.L. BOOKS FOR THE AMATEUR

These authoritative books are selected from the Technical Series compiled and edited by the American Radio Relay League. They are the outstanding books for the Amateur.

RADIO AMATEUR'S HANDBOOK
LATEST REVISED EDITION



The established guide of practical Amateurs. All the accumulated knowledge of Amateur Radio is considered and described in detail in the 536 pages of this book. Has many new chapters; all former material has been re-written and brought up-to-date. Includes new data on vacuum tubes; new how-to-make receiver design chapter; transmitter design section; latest dope on keying methods, radio telephony, ultra-high frequencies, antenna design, power supplies, cathode ray, etc. Also discusses operating practices and field organization. Has valuable data appendix containing "Q" code, abbreviations, time chart, DX tables, ham regulations, electrical characteristics formulae, etc. Fully illustrated. Size, 6½"x9½". Shipping weight, 3½ lbs.

$1.00

B2175. YOUR PRICE .....



LIGHTNING CALCULATORS

Ingenious devices which rapidly and accurately solve mathematical problems encountered in radio and allied work. Give direct answers easily; time and trouble-savers for engineers, servicemen, amateurs and experimenters.

RADIO CALCULATOR

B2180. Type A. Solves problems involving frequency, inductance and capacity in any circuits from high-powered transmitters to simple receivers.

OHM'S LAW CALCULATOR

B2170. Type B. Gives direct-reading answers to calculations involving current, resistance, voltage, and power.

NET, EACH..... **$1.00**

A. R. R. L. LOG BOOKS

Bound in heavy paper covers. 8½x11"; spiral binding. Contain 39 log pages, 39 blank pages for notes, list of "Q" signals, message number sheet, and a sheet of cross-section paper for charts, etc.

B2178. 3 for $1.00. EACH..... **35c**

A. R. R. L. RADIO MAP

A necessary item for every Amateur "Shack." Size, 30"x40" on heavy map paper. Shows Countries, Prefixes, WAC and World Time Zones, U. S. Districts, etc. The only world map made expressly for the Amateurs. Made by Rand-McNally; in six colors.

B2171. NET **$1.25**

RADIOGRAM BLANKS

Newly designed message blanks to lend distinction to your radiograms. Attractively printed, with space for all required information.

B2179. Pad of 100 sheets. NET... **25c**

RADIO AMATEURS LICENSE MANUAL



Tells you clearly, simply and exactly what is required to secure an Amateur License. Complete information on how to apply for a license and how to pass the examination. Contains regulations governing operation of Amateur radio stations. Question and Answer section thoroughly covers all probable questions likely to be asked at License examinations.

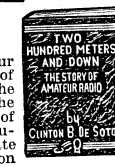
B2177. YOUR PRICE..... **25c**

HOW TO BECOME A RADIO AMATEUR

The standard guide for the prospective amateur. Describes the construction and operation of a simple, inexpensive transmitter and receiver. Contains other information of extreme value for those who wish to enter this fascinating field. Describes steps in obtaining a license; gives important hints.

B2176..... **25c**

200 METERS AND DOWN



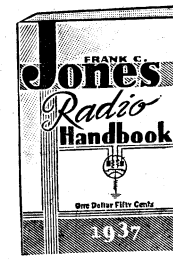
The book that every Amateur wants. A complete history of Amateur Communication from the "way-back-when" days up to the present. A fascinating story of progress, written under the supervision of the ARRL, accurate in every detail. De Luxe edition bound in blue cloth.

B2173. Standard Edition **$1.00**

B2172. De Luxe Edition..... **$2.00**

POPULAR FRANK C. JONES BOOKS

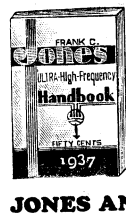
JONES RADIO HANDBOOK—LATEST EDITION



Formerly the "Radio" Handbook, this new third edition is the greatest handbook ever published. Completely new, greatly enlarged, and entirely revised from cover to cover. Contains a wealth of valuable information never before published on the newest and latest in short wave transmitters, receivers, accessories, theory and practice. Nineteen chapters, each a complete treatise on one particular branch of radio. Has complete chapter on Television and Television equipment for the Amateur. Tells how to build everything from a one tube receiver to the most complex 1 KW transmitter. Other chapters cover thoroughly elementary A.C. and D.C. theory, Service and Test equipment, Radio Theory, Antenna, Tube characteristics, etc. Hundreds of illustrations, diagrams, charts and tables. Includes a coupon which entitles you to receive valuable supplement. Written in simple, easy-to-understand language. Every Amateur, Serviceman and Experimenter should have a copy of this great book. 456 pages. Wt., 2 lbs.

$1.50

B7074. NET .....



JONES ULTRA H. F. HANDBOOK

New fourth edition. Formerly "5 Meter Telephony." Written by Frank Jones and crammed full of meaty U.H.F. information never before published. Covers receiving and transmitting equipment from 5 meters down to the "Micro-Waves." Over 150 illustrations.

B7076. NET..... **50c**

JONES ANTENNA HANDBOOK

This book gives the answers to the "How and Why" of receiving and transmitting antenna systems. Describes every known type of antenna systems, feeder systems, coupling methods, directional and "beam" antennae, etc.

B7075. NET..... **50c**

RADIO AMATEUR NEWCOMER



The most complete beginners' book ever written. Tells how to become an Amateur, how to build beginners' receivers and transmitters, model Amateur stations; how to learn code, secure license, etc. Complete chapters on FCC regulations.

B7073. NET **25c**

AMATEUR RADIOTELEPHONY

Here is the book that "phone" operators have been waiting for. Tells how to build any kind of phone transmitter. Includes 40 pages of theory, 10 pages of questions and answers for passing Class-A Amateur Phone exam.

B7078. YOUR PRICE..... **75c**

TELEPHONES HEADPHONES *Accessories*

ACME FEATHERWEIGHT HEADPHONES



A VALUE LEADER

An exceptional value. Sensitive and practical for every head set use. "Light as a feather." Each unit weighs less than 1½ ounces. Total weight only five ounces. Well-made and durable. Sensitive to even the faintest signals. Recommended especially for Amateurs, Short Wave fans, hard-of-hearing, and multiple phone installations. Case is made of non-breakable aluminum with light tension flexible headband. Cord is 4½ foot braid covered. A highly sensitive and practical headphone set at a remarkably low cost.

B5250. 4,000 Ohms. (2,000 per phone.) YOUR PRICE **$1.20**

B5251. 2,000 Ohms. (1,000 per phone.) YOUR PRICE **95c**

SINGLE ACME HEADSETS

A lightweight single unit phone with headband exactly as described above. Can be worn with comfort for hours. With cord.

B5278. 2,000 Ohms. YOUR PRICE **70c**

B5279. 1,000 Ohms. YOUR PRICE **59c**

DIAPHRAGMS FOR ABOVE

B5252. For Acme Featherweight phones. NET EACH..... **5c**



BRANDES PHONES

Well-known navy-type phones of excellent quality. Extremely sensitive; respond to the faintest signal. Made of light-weight aluminum, with unbreakable caps. A favorite for many years with Amateurs, Experimenters, Short-Wave Listeners, Broadcast DX enthusiasts, etc. Strong, sturdy construction; will stand up under years of continuous service.

POPULAR WITH AMATEURS

Adjustable headband is scientifically shaped; can be worn for hours without fatigue. Has lock-nut for permanent setting. Equipped with 5 foot "Shielded Radio Frequency" cord, which will not unravel. Standard phone tips will fit any phone plug. Phones measure 2 5/16" across for maximum ear comfort. Resistance is 2400 ohms per pair. Wt., 2 lbs.

B2800. YOUR PRICE **$1.59**



FROST PHONES

Many superior features are incorporated in Frost phones which add greatly to their efficiency and quality of reproduction. They are light in weight and comfortable to wear; easily adjusted to fit the head. Headband is double type, with woven fabric covers. Units have aluminum shells and hard rubber caps. Cord terminals are inside of case, to prevent accidental shock. Have been sold for many years to discriminating amateurs. With cords. Shipping weight, 2 lbs.

B3251. 3000 OHMS. YOUR PRICE..... **$1.65**

B3250. 2000 OHMS. YOUR PRICE **$1.48**

HEADPHONE CORDS

B3254. Good quality standard length double headphone cords. Cotton-covered. YOUR PRICE **33c**

REAL PHONES—NEW DUPLEX TELEPHONES



New two-way French style telephones that operate on dry cell batteries; compact, attractive, modern. Furnished in pairs — all ready for use. Only 2 standard dry cells for each set need to be added.

PRACTICAL—USEFUL

Practical at home or in business. Especially convenient as room-to-room or house-to-garage telephones. Equally useful in office, factories, public garages, restaurants, stores, and other applications too numerous to mention. Full instructions for rapid connection are included.

ACCESSORIES

The only accessories required, for either indoor or outdoor use, are listed below.

B8925. Dry Cells for use with Realphones. NET, EACH..... **21c**

B1984. 100 feet 3 conductor connector cable for outdoor use. NET..... **$1.71**

B1985. 100 feet cable for indoor use. NET..... **$1.37**

COMPLETE SETS

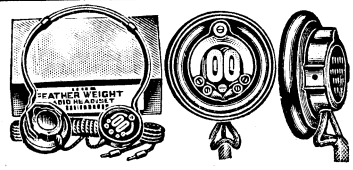
Complete set consists of 2 Realphones with buzzers and 35 feet of wire. Additional wiring may be added. **Available in four colors.**

PER SET OF 2 YOUR NET PRICE

B1980. Black.
B1981. Green.
B1982. Silver.
B1983. Chinese Red.
Lots of 3 Sets, Each, $3.82. PER SET **$4.12**

MULTIPLE PHONE SYSTEMS FOR ALL PURPOSES

WE CAN SUPPLY multiple telephone systems for all types of installations. Write for literature on Serv-U-Fone systems having from 2 to 10 stations, including common-talk, selective and super-selective types. We are also prepared to quote attractive prices on switchboard and annunciator type multiple systems suitable for private installations in hotels, or apartment houses. Write, telling us your needs, and we will quote promptly.

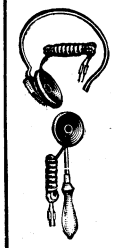


TRIMM HIGH QUALITY FEATHERWEIGHT PHONES

Extremely compact. Weight is only 4 ounces. Noted for unusual sensitivity and comfort. Bakelite shells and caps, with forged magnets of best grade Cobalt steel. Spring steel headband is adjustable. Diameter only 2 3/16". Custom-built for Amateurs, Aircraft, Hard-of-Hearing, etc. The standard phones are ideal for general purpose work. The Special (24000 ohms impedance) phones are designed especially for Short Wave work and have a 36% Cobalt steel magnet.

B5270. 4000 Ohms Standard.
B5271. 24000 Ohms Special.
List, $10.00.
EACH PAIR..... **$5.88**

SINGLE UNIT FEATHERWEIGHT PHONES



HEADBAND STYLE

With adjustable steel headband. Ideal for group hearing-aid installations in churches, theatres, etc. 2000 OHMS.

B5273. List, $6.25. NET... **$3.67**

LORGNETTE HANDLE

Single unit phone as above, but with lorgnette handle. Particularly suited for group hearing-aid systems in churches. Handle extends 14 inches. 2000 OHMS.

B5275. List, $6.75. NET.. **$3.97**

TRIMM PROFESSIONAL PHONES

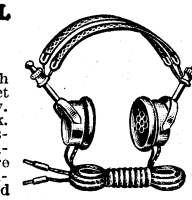


A high quality standard type headphone, suitable for battery, crystal and short-wave sets, as well as for multiple installations. Has bakelite case and cap. Perfectly matched units assure long life. With cords. Cord terminals are inside case.

B5276. 3000 OHMS.
B5277. 4000 OHMS.
List, $3.75 NET EACH **$2.20**

We can supply Trimm Featherweight phones in any special resistance desired, from 1 ohm to 2400 ohms, each unit, at no extra cost. Enclose deposit with order.

CANNON BALL MASTER HEADSETS



An improved, high resistance type headset of excellent quality. Ideal for DX work. Heavy bar magnet assures maximum sensitivity. Terminals are inside case. Has adjustable headband and 4½ foot cord.

B2805. 5000 OHMS. YOUR PRICE **$2.35**

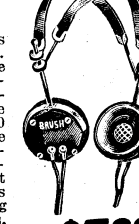
B2804. 3000 OHMS. YOUR PRICE..... **$1.85**

CAPS AND DIAPHRAGMS

B2801. CAPS. YOUR PRICE, EACH..... **18c**

B2802. DIAPHRAGMS. YOUR PRICE, EACH..... **5c**

BRUSH CRYSTAL HEADPHONES



High sensitivity headphones of new piezo-electric design. For Amateurs, Short Wave fans, monitoring, measurement work, etc. Have unusually high impedance and wide frequency response between 60 and 10,000 cycles. These phones are ideal for all applications. When used in circuits carrying direct current a small blocking condenser is required. Weight including band and cord only six ounces.

B1200. List, $9.00. YOUR PRICE..... **$5.29**

Single Unit Brush Crystal Phones

B1201. Single phone with metal headband. List, $5.00. NET..... **$2.94**

B1202. Single phone with lorgnette handle. List, $6.50. NET. **$3.82**

HEARING-AID CONTROL BOX



Designed for use in multiple hearing-aid installations in schools, theatres, churches, etc. Permits adjustment of volume to suit individual hard-of-hearing needs. Resistance, 10,000 ohms. Small and compact, only 1x2x3" Corners and edges smoothly rounded to prevent catching or tearing clothing. Available in either glossy ivory, suitable for theatres, or brown crystal for churches, schools, etc. (Use Knight 8 and 18 watt High Gain Amplifiers for suitable group-hearing use.)

B5280. Brown Crystal Finish.
B5281. Glossy Ivory Finish.
YOUR PRICE, EACH BOX..... **$1.91**

HEADPHONES CRYSTAL SETS *Accessories*

AMERICAN BELL 'PHONES



These unusually sensitive and efficient headphones are the product of one of America's foremost manufacturers, and are noted for fidelity and clarity of tone. Their aluminum shells and light aluminum caps make them light in weight; may be worn for hours without tiring the listener. The fine magnet gives added retentivity. D.X. fans will be delighted with the fine reception made possible with these quality headphones. Shpg. wt., 2 lbs.

WITH METAL CAPS

B2807. 3000 Ohms. YOUR PRICE.. **$1.25**

B2806. 2000 Ohms. YOUR PRICE . **97c**

3000 OHMS WITH BAKELITE CAPS

The same sensitive and efficient headphones as above, but equipped with black bakelite caps instead of aluminum. A real value in a high-quality sensitive headphone.

B2812. YOUR PRICE..... **$1.32**

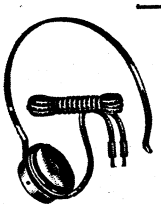
DIAPHRAGMS

B2809. YOUR PRICE, EACH..... **5c**

EXTRA ALUMINUM CAPS

B2808. PRICE, EACH **12c**

AMERICAN BELL SINGLE HEADPHONE



A comfortable dependable single unit headphone which is easy to wear. Has a single spring steel headband. Unit is of lightweight construction. May be used on any set equipped for phones; ideal for multiple hearing-aid installations. Complete with cord. An outstanding headphone value.

B2813. 1000 ohms. YOUR PRICE **66c**

B2814. 1500 ohms. YOUR PRICE **79c**

CRYSTALS & CRYSTAL DETECTORS

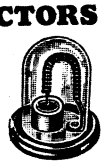
OPEN TYPE DETECTOR



Universal Joint on swivel arm provides quick, accurate adjustment on any point of the very sensitive crystal. Handsome polished metal finish. Complete with crystal. Wt., 8 oz.

B7062. 10 for $1.10. Each..... **12c**

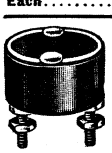
GLASS ENCLOSED DETECTOR



A dust-proof glass enclosed detector complete with supersensitive crystal. Standard in 90% of the crystal sets made. A fast selling item. Shpg. wt., 8 oz.

B7061. YOUR PRICE..... **22c**

FIXED CRYSTAL DETECTOR



Extremely sensitive. Selected crystals are meter-tested and permanently adjusted. Housed in compact bakelite case. Eliminates bother of continual adjustment for sensitive spot. Pre-tested.

B7063. List, $1.00. NET EACH..... **43c**

FEDERAL FIXED DETECTOR



Will give more selectivity to crystal sets or reflex circuits. Sensitivity is permanently fixed. Mounted in small bakelite case with screw connectors. Pre-tested.

B4154. List, $1.00. NET **53c**

METER TESTED CRYSTAL



These crystals are tested in laboratory on very sensitive meters. Crystal is of genuine Galena composition. Fit all crystal cups.

B4150. YOUR PRICE **19c**

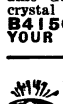
CAT-WHISKERS



Set of three. Correctly designed and made of the finest quality wire.

B4152. NET..... **9c**

SENSITIVE MOUNTED CRYSTAL



Carefully tested mounted crystal. Sensitive galena. Fits all standard crystal cups.

B4151. 10 for 55c. NET EACH **6c**

COMFORT EARPHONE CUSHIONS



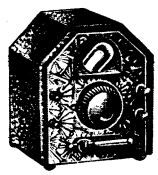
A real necessity for those who wear headphones constantly. Makes them comfortable and easy to wear. Made of soft sponge rubber. Sanitary and practical. Will fit all types of phones.

B2810. YOUR PRICE, PER PAIR... **22c**

10 PAIRS **$1.95**

PHILMORE CRYSTAL SETS

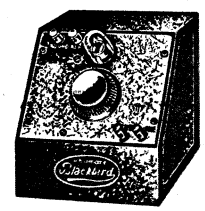
THE SELECTIVE



Designed to give most efficient results and possessing unusual selectivity. Built with a tapped coil matched with a .00035 Mfd. variable condenser. The reception on this set is loud and clear. It is exceptionally sensitive and very easy to tune. It has double connection posts making possible the use of two pairs of headphones at one time. The next thing to a tube set at the lowest possible price. Contained in a crackle finish cabinet with a panel of modernistic design. Shipping weight, 3 lbs.

B7053. List, $5.00. NET..... **$2.35**

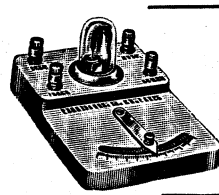
THE BLACKBIRD



The "Blackbird" is a first quality crystal set presented at the lowest possible price. It requires no tubes or batteries and delivers programs loud and clear without distortion. Housed in crystalline finish metal cabinet with attractive front panel. It employs a dust-proof glass-enclosed supersensitive crystal detector making possible the best of results. A fast seller everywhere. Accessories of good quality are listed below. Shpg. wt., 3 lbs.

B7050. List, $3.00. NET **$1.62**

LITTLE GIANT



A well-constructed crystal set which will give unlimited service. Offers the utmost in entertainment on local stations with the extensive chain programs now being broadcast from stations all over the country. A sensitive crystal is enclosed in a dustproof glass casing. Entire assembly mounted in bakelite case. Shpg. wt., 2 lbs.

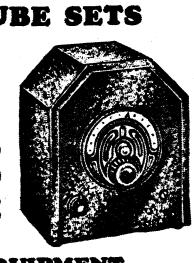
B7051. List, $1.50. NET **69c**

CRYSTAL SET ACCESSORY KIT

Complete equipment for operating any of the above crystal sets. Consists of a set of good quality headphones, aerial and ground wire, lead-in strip, lightning arrester, insulators and all necessary parts for a perfect aerial installation. Shpg. wt., 4 lbs.

B7054. YOUR PRICE..... **$1.39**

PHILMORE—1-2-3 TUBE SETS



Efficiently designed battery operated sets using popular type '30 and '31 Tubes. Economical to operate, batteries last twice as long. These new circuits embody the use of a variable condenser and spider web coil assuring easy tuning, selectivity, sensitivity and plenty of volume. Shpg. wt., 10 lbs.

B7055. 1 TUBE SET. List, $7.50. YOUR PRICE..... **$4.03**

B7056. 2 TUBE SET. List, $9.00. YOUR PRICE..... **$5.20**

B7057. 3 TUBE SET. List, $13.50. YOUR PRICE..... **$7.35**

Above sets priced less tubes, batteries and headphones. Accessories are listed below.

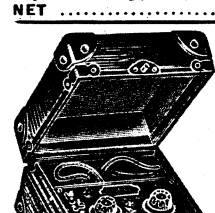
TUBE AND BATTERY EQUIPMENT

B7058. For 1 Tube Set. Consists of one type '30 tube, one 45 Volt "B" Battery and one ½ Volt Dry Cell. Wt., 6 lbs. NET **$1.59**

B7059. For 2 Tube Set. Consists of two type '30 tubes, one 45 Volt "B" Battery and two 1½ Volt Dry Cells. Wt., 16 lbs. NET..... **$2.20**

B7060. For 3 Tube Set. Consists of two type '30 tubes, one type '31 tube, one 22½ Volt and two 45 Volt "B" Batteries, and two 1½ Volt Dry Cells. Shpg. wt., 32 lbs. NET **$4.19**

PHILMORE PORTABLE BATTERY SET



A fine new portable receiver that is light, easy to handle, and a splendid performer. Covers the complete broadcast band. Single tuning control makes it easy to tune. Uses a specially designed high "Q" coil system for maximum sensitivity and selectivity. Has tapped antenna setting for maximum pickup selection. Tubes used draw less than one milliampere for economical battery life. Batteries required: 2 small 1½ volt dry cells, 3 small 4½ volt "C" batteries. Uses one type 30 and one type 49 tube. Fibre carrying case; compact, 5½x8½x7¼". Less tubes, batteries and accessories.

B7065. List, $11.00. YOUR PRICE **$5.98**

COMPLETE ACCESSORY KIT

Kit includes: 1 type 30 and 1 type 49 tubes, complete set of five Burgess batteries, 1 set of sensitive headphones and 25 ft. of aerial wire. These items all fit in same case with the set.

B7066. YOUR PRICE..... **$3.59**

It's Easy to Order From Allied



OUR TERMS

Our very low prices are made possible because we use the most economical merchandising methods. We buy for cash and sell for cash, passing the resulting savings on to you. Our terms are cash with order or C.O.D. (with the exception of P.A. equipment, amateur receivers, or test instruments for which time payments are specifically offered in this catalog). We ship C.O.D. if so desired; new customers are requested to include 20% remittance with order when specifying C.O.D. shipment. All quotations in this catalog are net, f.o.b. Chicago, and are necessarily subject to change at any time without notice.

2% FREIGHT ALLOWANCE

Don't split your orders! Take advantage of our **2% Transportation Allowance** on all orders for $25.00 or more. This allowance applies to shipments made anywhere in the United States on all radio merchandise shown in this catalog. (National Co. equipment is not included.) Build up your order to $25.00 or more to secure this extra saving.

ALL ORDERS FILLED. We place no restriction on the amount of your order. Whether it is large or small, we give you the benefit of our best service always. It's wise to buy where you know you will be consistently better served.

FREIGHT SHIPMENTS

You save by ordering merchandise sent by freight where rapid shipment is not essential and merchandise selected weighs approximately 100 pounds or over. The minimum freight charge is for 100 pounds. If you have a freight agent, do not send shipping charges. If you are on a prepaid station, please send funds to pay charges in advance. Any surplus will be promptly refunded. Charges are the same whether prepaid or collect. If there is no freight station at your location, please be sure to specify your nearest shipping point.

It's Easy to Order. Use our convenient order blanks which are bound into this catalog. Write your name and address in full and specify how shipment is to be made: by Express, Parcel Post, or Freight. List the items you want—one to a line—making sure to give the correct catalog number for each item. Then, total your order and make your remittance large enough to cover both cost of merchandise and shipping charges (unless C. O. D. shipment is requested). Additional order blanks and envelopes are packed with each order and will also be sent on request. Note: If you run out of order blanks, simply use a plain sheet of paper, following the usual form.

PARCEL POST SHIPMENTS

The table immediately below will help you to compute parcel post charges to your address. If you are in doubt about your zone, simply ask your postmaster. Save C.O.D. charges by sending enough money to cover postage. Any surplus will be promptly refunded. If remittance does not cover postage, shipment will be made C.O.D. for the balance. For your protection all our parcel post shipments are insured. Allow for insurance at the following rates:

Up to $5.00..... 5c
$5.00 to $25.00.....10c
$25.00 to $50.00.....15c
$50.00 to $100.00.....25c

How To Send Money. Remittance may be made most safely by post office money order, express money order, bank draft or check. If absolutely necessary, currency may be sent. Note: If you send currency be sure to register your letter. If special haste is required, your order and money may be sent by telegraph from any telegraph office. Remember to include a sufficient amount to cover postage charges on parcel-post shipments. Any excess in your remittance will be promptly refunded. Express and freight shipments are sent transportation charges collect, so do not include shipping charges for either express or freight shipments unless there is no agent at your station.

EXPRESS SHIPMENTS

Radio sets, Windchargers, storage batteries and any items in this catalog which we have indicated as not mailable, should be shipped by express or freight. In general, it is best to send radios and bulky merchandise by express rather than by parcel post. This assures quick shipment and safe delivery. If there is no express agent at your location, please be sure to specify your nearest express office. See table below to help you in estimating approximate charges to your location. (All express shipments are insured.) **ALLIED** packing is careful and secure—every shipment reaches you in perfect condition.

HOW TO ESTIMATE PARCEL POST RATES

Packages Under 8 Ounces, Allow 1½c Each 2 Ounces

WEIGHT IN POUNDS	ZONES							
	First, Up to 50 MILES	Second, 50 to 150 MILES	Third, 150 to 300 MILES	Fourth, 300 to 600 MILES	Fifth, 600 to 1000 MILES	Sixth, 1000 to 1400 MILES	Seventh, 1400 to 1800 MILES	Eighth, Over 1800 MILES
1	8c	8c	9c	10c	11c	12c	14c	15c
2	10c	10c	11c	14c	17c	19c	23c	26c
3	11c	11c	13c	17c	22c	26c	32c	37c
4	12c	12c	15c	21c	27c	33c	41c	48c
5	13c	13c	17c	24c	33c	40c	50c	59c
6	14c	14c	19c	28c	38c	47c	59c	70c
7	15c	15c	21c	31c	43c	54c	68c	81c
8	16c	16c	23c	35c	49c	61c	77c	93c
9	17c	17c	25c	38c	54c	68c	86c	$1.03
10	18c	18c	27c	42c	59c	75c	95c	1.14
11	19c	19c	29c	45c	64c	82c	$1.04	1.25
12	21c	21c	31c	49c	70c	89c	1.13	1.36
13	22c	22c	33c	52c	75c	96c	1.22	1.47
14	23c	23c	35c	56c	80c	$1.03	1.31	1.58
15	24c	24c	37c	59c	86c	1.10	1.40	1.69
16	25c	25c	39c	63c	91c	1.17	1.49	1.80
17	26c	26c	41c	66c	96c	1.24	1.58	1.91
18	27c	27c	43c	70c	$1.02	1.31	1.67	2.02
19	28c	28c	45c	73c	1.07	1.38	1.76	2.13
20	29c	29c	47c	77c	1.12	1.45	1.85	2.24
For Each Additional Pound Add	1c	1c	2c	3½c	5c	7c	9c	11c

HOW TO ESTIMATE EXPRESS CHARGES

Weight Not More Than	FOR DISTANCES OF							
	50 Mi.	150 Mi.	300 Mi.	500 Mi.	750 Mi.	1000 Mi.	1500 Mi.	2000 Mi.
5 Lbs.	$0.39	$0.41	$0.45	$0.48	$0.52	$0.56	$0.66	$0.76
10 Lbs.	.43	.48	.56	.62	.69	.76	.98	1.16
15 Lbs.	.47	.54	.66	.75	.86	.97	1.29	1.57
20 Lbs.	.51	.61	.77	.89	1.03	1.18	1.61	1.98
25 Lbs.	.55	.67	.87	1.02	1.20	1.35	1.93	2.39
35 Lbs.	.63	.80	1.08	1.29	1.54	1.79	2.56	3.20
45 Lbs.	.71	.93	1.29	1.56	1.88	2.21	3.19	4.02
55 Lbs.	.79	1.06	1.50	1.83	2.22	2.62	3.82	4.83
75 Lbs.	.95	1.32	1.92	2.37	2.90	3.44	5.08	6.46
95 Lbs.	1.11	1.58	2.34	2.91	3.58	4.26	6.33	8.09
For Each 100 Lbs.	1.15	1.65	2.45	3.05	3.75	4.47	6.65	8.50

OVERSEAS CUSTOMERS

We enjoy a large Overseas Trade and cordially invite Export correspondence and business. Terms: cash with order or payment in New York or Chicago against documents. All catalog quotations are net, f.o.b. Chicago—export packing included at no extra charge. Overseas Parcel Post Shipments require remittance in full, including postage charges. Special care in packing and handling is accorded all Export Orders. Competent attention by Export Specialists is always assured. Take advantage of our consolidated service which permits the purchase of all radio equipment from one single source and results in tremendous economies in handling and shipping costs. We stock all standard lines of high quality radio merchandise and are ready to serve you promptly and carefully. We are Radio Supply Headquarters to the World and are able to supply any export market with radio receivers, radio parts, sound equipment, etc., to meet every conceivable requirement.

FOREMOST RADIO DISTRIBUTORS

RUSH ORDER BLANK

Allied Radio CORPORATION

833 W. JACKSON BLVD. CHICAGO, ILL.

Cable Address: ALRADIO

All Phones
HAYmarket 6800

B1

Write Your Name in Full

Street Address | R. F. D. | Box No.

Post Office | State

Please Give Shipping Point if Different from Post Office

Shipping Point | State | County

HOW SHALL WE SHIP

Express ..... ☐
Freight ..... ☐
Parcel Post.... ☐

On Parcel Post Shipments Be Sure to Include Enough for Postage; Any Excess Will Be Promptly Refunded.

ENTER AMOUNT REMITTED HERE

Paid in Full $.....
Part Paid $.....
C.O.D. $.....

If You Send Currency, Be Sure to Register Your Letter

SEE PAGE 142 FOR "HOW TO ORDER"

TERMS— Our terms are cash. We ship C. O. D.; new customers should accompany order with 20% deposit. All trade and cash discounts have already been deducted in our catalog quotations. All prices are net, f.o.b. Chicago or factory.

DO NOT USE THIS SPACE

Do Not Use This Column	Catalog Number	Quantity	NAME OF ARTICLE	Price Each	Extend Here and Add This Column	Do Not Use This Column
DO NOT USE THIS SPACE						DO NOT USE THIS SPACE

TRANSPORTATION ALLOWANCE ON ORDERS OF $25.00 OR MORE

Make your order $25.00 or more and you may deduct 2% from the total as a transportation allowance. This applies to shipments made anywhere in the United States on all radio merchandise described in this catalog, except National Company merchandise. (Export orders excepted.) Whether you desire your shipment to go forward by Express or Parcel Post or Freight the same 2% allowance will be made.

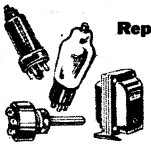
ON FREIGHT OR EXPRESS ORDERS

If your station has an agent do not send money for shipping charges. If no agent, send money to pay the charges in advance. Charges are the same either way.

AMOUNT FOR GOODS	
AMOUNT FOR PARCEL POST (We Refund Every Penny Not Used)	
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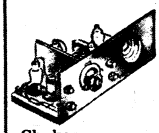
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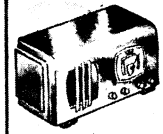
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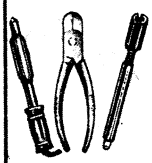
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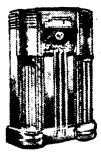
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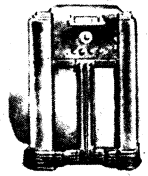
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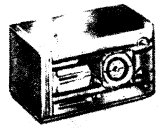
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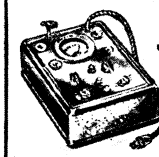
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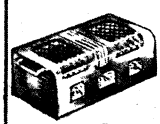
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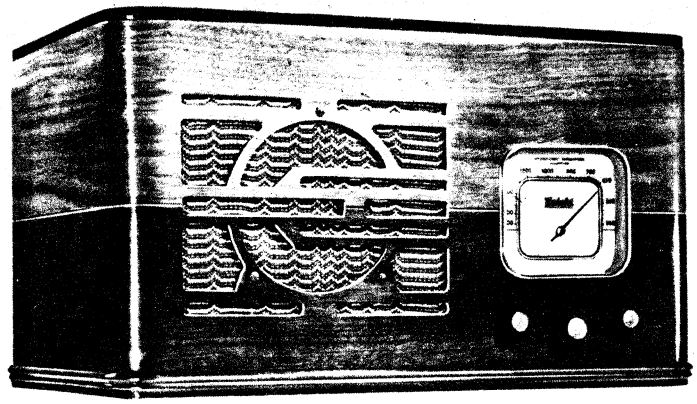
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America's FINEST LOW-COST BATTERY RADIOS



Knight 5 TUBE BATTERY SUPERHET

TUNES 175-550 METERS

- Newest 4½" Dial
- Low-Drain Tubes
- A.V.C. Action
- Tunes Police Calls
- P.M. Speaker
- Has Battery Space

• **A Dependable Performer.** A superb new farm radio offering a combination of powerful reception, real economy in operation, sharp selectivity, and rich life-like tone. This **Knight 5-Tube 2-Volt Battery-operated Superhet** incorporates the newest battery radio features. Tuning range covers 175 to 550 Meters for dependable reception of American standard Broadcast stations plus upper Police channels. New large, easy-to-read, gold-faced dial is clearly calibrated in kilocycles. Five of the newest low-drain tubes conserve battery energy yet provide for strong reception. A full-sized 6" newly-developed alloy P.M. dynamic speaker assures flawless tone. Has Automatic Volume Control for uniform volume.

• **Attractive Cabinet.** The new lay-down cabinet illustrated combines graceful beauty with perfect utility. Measures 21" wide, 11¾" deep, 12" high; has space to accommodate all batteries and eliminate unsightly, inconvenient trailing wires. Cabinet is built of choice, pleasingly grained walnut in two-tone effect.

• **Beautiful Tone.** Rich, faithful tone is an outstanding feature of the **Knight 5 Battery Superhet.** Full-bodied, brilliant and life-like—it will meet the demands of today's wide-awake battery radio purchasers.

• **A Splendid Value.** The **Knight 5-Tube Battery Superhet** in table cabinet as illustrated above, complete with 6" speaker and R.C.A. tubes. Less batteries. Shpg. wt., 23 lbs. Code: ROUTE.

$17.75

B10588. Retail Value, $37.50.
YOUR NET PRICE.....

B10589. The **Knight 5** complete as above, with 3—45 volt "B" and 1—Burgess Dry "A" Batteries. Shpg. wt., 67 lbs.
YOUR NET PRICE.....**$22.95**

OPERATES ON 3 VOLT DRY "A"— 2 VOLT STORAGE OR AIRCELL BATTERY

• **Low Drain.** The **Knight 5** may be operated efficiently from either a 3 volt dry "A" battery, a 2 volt storage battery, or an Eveready Air Cell. When operated from a 3 volt "A" battery, drain is only .5 amps. from "A" battery and 14 M.A. from "B" battery. This means greatest economy in operation and makes the **Knight 5** inexpensive to operate, by assuring maximum battery life. Our listing offers the **Knight 5** for money-saving operation with a 3 volt dry "A" battery. (If ordered with Air Cell, add $1.94 to B10589 set price; if ordered with 2 volt storage "A" battery, add $1.37.) Battery cables have plug-in feature. You get the real advantage of fine radio efficiency coupled with remarkable economy when you use the **Knight Battery 5.**

• **Powerful New Circuit.** An advanced R.C.A. and Hazeltine licensed Superhet circuit is incorporated in the **Knight 5.** Designed for maximum efficiency and economy, it uses the latest low-drain tubes as follows: 1C6 as Mod.-Osc.; 34 as I.F.; 1F6 as Det.-A.V.C.—Audio; 33 as Power Output; 5E1 as Voltage Regulator. The 1F6 is a triple-purpose tube and does the work of 3 tubes so that the **Knight 5** actually offers 7 tube power with 5 tube economy. Other circuit features include: heavy-duty tuning condenser, A.V.C., matched alloy P.M. dynamic speaker, rubber-cushioned chassis, no "C" battery required, etc. The 1938 **Knight 5** circuit represents the last word in powerful and economical battery radio operation, assuring dependable, enjoyable reception always.

(For efficient aerial, see page 99.)

Knight 6 TUBE BATTERY SUPERHET

TUNES 2 FULL WAVE BANDS

- 3 Band Utility
- Full A.V.C. Action
- Latest Tubes
- Has Battery Space
- Tone Control
- New 5¼" Dial
- 6" P.M. Speaker
- Low Drain

A wonderful value in a new powerful, low-priced economically-operated 6 Tube Farm Radio that is capable of strong reception, sharp selectivity, and true-to-life tone quality.

• **Tunes 2 Full Bands.** The 1938 **Knight Battery 6** tunes from 49 to 145 Meters to bring in Short Wave, police, aviation and amateur signals, as well as thrilling foreign reception on the 49 meter band. The second band covers 175 to 550 Meters and tunes the upper police channels and all American and Canadian standard Broadcast programs. The **Knight 6** has actual 3 band utility.

• **5¼" Edge-Lighted Dial.** Latest 1938 type; easy to tune; attractive in appearance. Has handsome gold face fully illuminated from sides. Two scales are indicated: the upper calibrated in kilocycles for standard Broadcast; the lower marked in megacycles for Short Wave.

• **6" Powervox Speaker.** The new **Knight Battery 6** uses the latest type special alloy P.M. Dynamic speaker—the finest that can be used in a battery radio. Assures perfect reproduction of both voice and music at all volume levels.

• **Tone Control.** Continuously variable type—an extra value feature of the **Knight 6.** Adds to the tonal beauty of the receiver by permitting emphasis of bass or treble response to suit personal tastes.

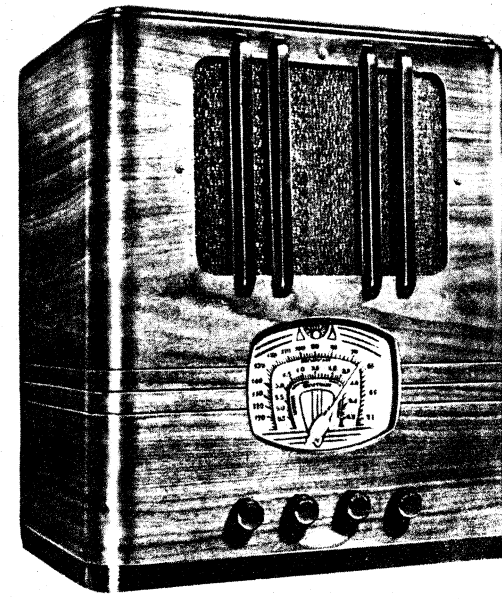
• **Attractive Table Model.** The 1938 **Knight Battery 6** is beautifully presented in an attractive new upright style table model cabinet. The front and sides are of one-piece horizontally striped walnut rolled at each end. Size: 17½"x 15½"x12". The cabinet has space to house all batteries.

• **A $40 Value.** The **Knight 6 Tube 2 Band Battery Superhet** is offered in the table model cabinet pictured at right, complete with 6-inch P.M. Speaker and R.C.A. tubes. Less batteries. Shpg. wt., 18 lbs. Code: SWING.

$19.95

B10543. Retail Value, $42.50.
YOUR PRICE EACH.....

B10544. The **Knight Battery 6** complete as above with 2—45 volt "B" and 1—Burgess Dry "A" batteries. Shpg. wt., 52 lbs.
YOUR PRICE EACH.....**$24.35**



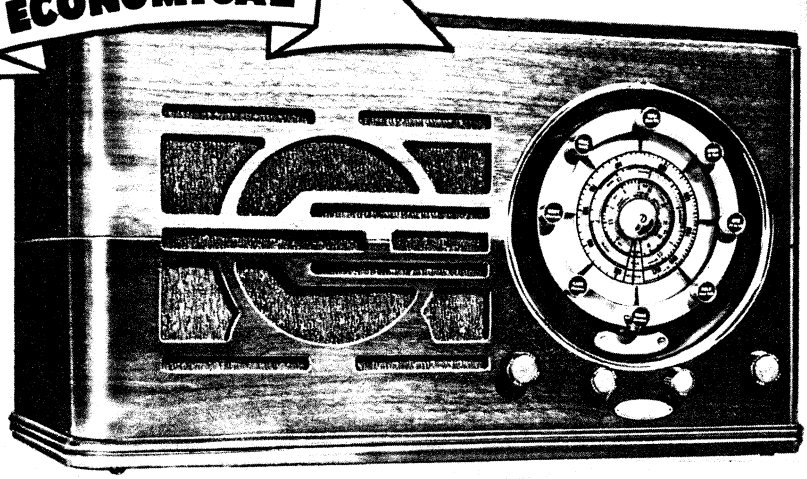
OPERATES ON 3 VOLT DRY "A"— 2 VOLT STORAGE OR AIR CELL BATTERY

• **Economical Operation.** The **Knight 6** may be operated from either a 3 Volt Dry "A" battery, a 2 Volt Storage Battery, or an Eveready Air Cell. When used with a 3 Volt "A" battery, drain is only .3 amps. We offer the 1938 **Knight Battery 6** for economical operation from a 3 Volt Dry "A" battery. (If ordered with Air Cell, add $1.94 to B10544 set price; if ordered with a 2 Volt Storage "A" battery, add $1.37.) Only 2—45 Volt "B" batteries are needed. No "C" current is required. A truly economical performer.

• **Latest Battery Circuit.** Newest type tubes are used in the 1938 R.C.A. and Hazeltine licensed circuit as follows: 1A6 as Det.-Osc.; 1A4 as I.F. Amp.; 30 as Diode-Det.-A.V.C.; 1A4 as 1 Audio; 1G5 as Power Output; 1B1 as Ballast. Has full-acting Automatic Volume Control to maintain constantly uniform volume on all signals. The circuit of the new **Knight Battery 6** actually develops 7 tube power and efficiency. No other battery radio at the price offers so much built-in quality and value.

R.C.A. & HAZELTINE LICENSED

POWERFUL ECONOMICAL



WITH THE NEW *Automatic* SELECT-O-DIAL

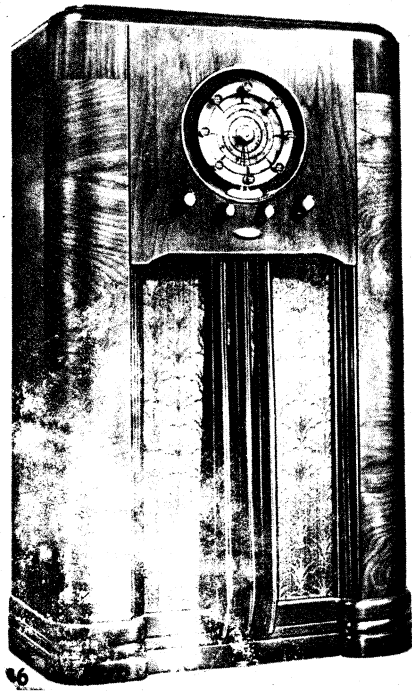
- World-Wide Range
- With Tone Control
- Full A.V.C. Action
- 6½ Inch Dial
- Band Indicator
- New P.M. Speaker

$29.45

Knight 7 TUBE 3 BAND BATTERY SUPERHET

OPERATES ON 3 VOLT DRY "A" — 2 VOLT STORAGE OR AIR CELL BATTERY

No other 7 tube battery radio has the remarkable operating economy of the 1938 **Knight Battery 7.** Only the very latest low-drain tubes are used in the powerful R.C.A. and Hazeltine licensed circuit for maximum efficiency with minimum battery drain. The **Knight 7** is designed to work from either a 3 Volt Dry "A," a 2 Volt Storage, or an Air Cell Battery—no "C" batteries are required—and only 3—45 Volt "B" batteries are used. Convenient plug-in connectors are provided on the battery cables for quick, easy connection. Our listing offers the **Knight 7** for money-saving operation with a 3 Volt Dry "A" battery. (If the **Knight Battery 7** is desired with Air Cell battery, add $1.94. If desired with 2 Volt Storage battery, add $1.37.) The economy of the **Knight 7,** plus its versatility and its valuable practical features assures you of bigger battery radio sales and better profits, coupled with real customer satisfaction



A new peak in Farm Radio value is represented in this 1938 **Knight 7 Tube Battery Superhet.** We feel that in this receiver we bring to the rural market the fullest measure of performing power and ability, outstanding tone quality and economical operation—plus new features of outstanding practicability and value. You won't be able to beat the **Knight 7** for low-price and performance.

• **Automatic Tuning.** Used for the first time in a low-cost battery radio. The new 1938 **Knight Automatic Select-o-Dial** tunes your favorite stations automatically, with true ease and precision. It provides buttons for as many as 10 of your favorite stations. Put your finger on the station button you want, swing the tuning wheel down to the stop point—and there's your station—tuned in instantly, perfectly! It's as easy as pointing a finger. Anyone, in any location, can adjust Automatic Tuning for any desired stations. And, of course, the **Knight Battery 7** can be tuned in the regular manner for all other domestic and foreign stations.

• **World-Wide Range.** The **Knight Battery 7** tunes 3 full bands for genuine All-Wave coverage. Tunes 16-52 Meters for world-wide Short Wave reception; 51-175 Meters for amateur, police, ship and aircraft signals; and 175-550 Meters for powerful American and Canadian standard Broadcast reception. The regular full-vision airplane dial shows each band clearly and has a built-in wave-band indicator.

• **Powerful 1938 Circuit.** The advanced superheterodyne circuit used in the **Knight Battery 7** is licensed by R.C.A. and Hazeltine—your assurance of the latest practical developments. The newest R.C.A. low-drain tubes are used as follows: 1C6 as Mod.-Osc.; 34 as I.F.; 1F6 as Det.-A.V.C.; 30 as Audio. Driver; 2—30's as Power Output; 4—1 as Voltage Regulator. Battery drain is extremely low; only .420 Amps. on "A"; "B" battery drain is only 20 M.A.

• **Important Extra Features.** Personal Tone Control—allows emphasis of bass or treble as desired. Full A.V.C.—prevents fading; keeps volume uniform on all programs. Latest special alloy P.M. Dynamic speaker—reproduces all programs clearly and flawlessly, developing tone quality comparable to that of the finest electric city radios. Added features: heavy-duty rubber-floated tuning condenser; rubber-floated chassis; 6 tuned circuits on all bands.

• **Cabinet Holds Batteries.** The 1938 **Knight Battery 7** is presented in a handsome new laydown type cabinet of generous proportions and pleasing design. Top is of selected walnut; front face and sides are of one-piece horizontally-grained walnut in attractive two-toned finish. The cabinet measures 23x12¾x12" and has plenty of space to hold all batteries conveniently.

• **Table Model Complete.** The **Knight 7 Tube 3-Band Battery Superhet** is offered in laydown cabinet illustrated complete with 6-inch P.M. Dynamic Speaker and R.C.A. tubes. Less batteries. Shpg. wt., 28 lbs. Code: CLEAN.

B10590. Retail Value, $62.50. **YOUR NET PRICE**..... **$29.45**

B10591. The **Knight 7 Table Model** as described, complete with Burgess Dry "A" battery and 3—45 Volt "B" batteries. Shpg. wt., 66 lbs. **YOUR NET PRICE**..... **$34.65**

KNIGHT 7 TUBE CONSOLE MODEL

The **Knight Battery Superhet** is also available in the beautiful new console shown at left. Instrument panel is of butt walnut, with contrastingly-curved walnut pilasters. Size: 38x21¼x11¾". Supplied complete with all features described above, including Automatic Select-o-Dial, 8" P.M. Dynamic Speaker and R.C.A. tubes. Less batteries. Shpg. wt., 50 lbs. Code: PRIZE. **$39.75**

B10592. Retail Value, $82.50. **YOUR NET PRICE**.....

B10593. The **Knight 7 Console Model** as described, complete with Burgess Dry "A" battery and 3—45 Volt "B" batteries. Shpg. wt., 88 lbs. **YOUR NET PRICE**..... **$44.95**

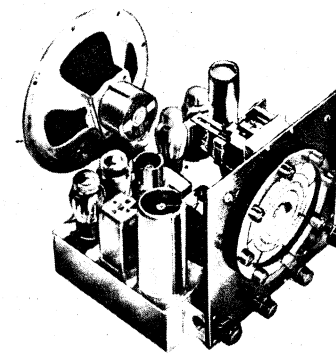
7 TUBE CHASSIS MODEL

The 1938 **Knight Battery 7** chassis makes an excellent replacement for obsolete receivers. Measures 11¼x8x8". Equipped with 8-inch P.M. Dynamic Speaker. Includes Select-o-Dial mechanism and escutcheon (8" in diameter). Complete with R.C.A. tubes. Less batteries. Shipping weight, 13 lbs. Code: SHARE.

B10595. Retail Value, $57.50. **YOUR NET PRICE**..... **$27.35**

B10596. The **Knight 7 Battery Chassis** as described, complete with Burgess Dry "A" battery and 3—45 Volt "B" batteries. Shpg. wt., 50 lbs. **YOUR NET PRICE**..... **$32.55**

(For efficient aerial, see page 99.)

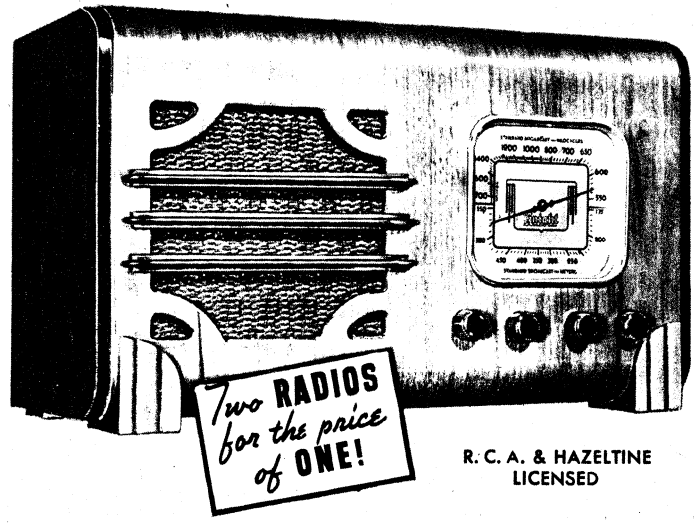


Now! RADIO FROM 6 VOLTS D.C. OR 110 VOLTS A.C.

Knight 5 TUBE SUPERHET

TUNES 175-555 METERS

- Tone Control
- Full A.V.C.
- 4½ Inch Dial
- 6" P.M. Speaker
- 6 Tuned Circuits
- Latest Tubes
- Big Power
- Police Calls



R. C. A. & HAZELTINE LICENSED

An entirely new and powerful 1938 **Knight 5 Tube Universal Superhet** which fills the long-felt demand for a trouble-proof versatile radio receiver designed for universal operation. This receiver is actually two radios in one, because it can be operated from a single 6 volt storage battery or from any 110 volt, 60 cycle A.C. outlet without requiring a change of any kind. You can use this fine performer on 6 volts in unwired places and then hook it up to 110 volts A.C. without adding anything at all to the set. You actually get two radios for the price of one. It's the first time you've been able to buy a universal radio receiver at so low a price. And look at these big features

• **Powerful Circuit.** New type 1938 radio tubes are used in the R.C.A. and Hazeltine licensed circuit as follows: 6D8G as Osc.-Mod.; 6S7G as I.F. Amp.; 6T7G as Det.-A.V.C.-1st Audio; 41 as Audio Output; 6ZY5G as Rectifier. This circuit, using a triple-purpose tube actually develops 7 tube power and efficiency. The tube combination used is especially economical when the set is operated from 6 volts.

• **Outstanding Features.** The **Knight Universal 110 Volt—6 Volt 5 Tube Superhet** features Tone Control for personal emphasis of bass or treble as desired, adding to the natural tonal beauty of the receiver. Has Automatic Volume Control for uniform volume level maintenance and freedom from fading or blasting. 6 tuned circuits are incorporated for unusual performing stability. Further safety and efficiency are assured by the rubber-floated chassis and tuning condenser. These fine new features assure splendid performance no matter whether you operate the versatile **Knight 5** from 6 volts D.C. or from 110 volts A.C.

• **Thrilling Tone.** Rich, faithful tone is another outstanding feature of the **Knight Universal 5.** Clear, perfect tone is provided at every volume level. The surprising volume of the receiver is smoothly handled by the latest type of 6-inch P.M. Dynamic Speaker which is perfectly matched to the circuit.

• **4½-Inch Dial.** A full-vision large airplane dial is used in the **Knight Universal 5 Tube Superhet.** The tuning range is from 175 to 555 Meters, covering the complete standard Broadcast Band plus the popular upper police channels. Calibrations are in kilocycles in large legible characters. It's easy to tune this attractive, large dial.

IDEAL FOR FARM & CITY HOMES—SHIPS—TRAILERS—CAMPS, ETC.

The **Knight Universal 5 Tube Superhet** may be operated efficiently and economically from a 6 volt storage "A" battery in Autos, Trailers, Boats or Camps. It can also be taken wherever electric current is available and operated from 110 volts, 60 cycles, A.C. Thus, the **Knight 5** may be used from 6 volts in a summer cottage during the vacation season and then transferred to the city home for the winter, for operation from 110 volts, A.C. Likewise, it can easily be transferred from car or boat to any 110 volt line. In trailers it may be used from a 6 volt battery on the road and from 110 volts A.C. when in camp. It is also ideal for use in rural communities contemplating the introduction of electric current lines. The **Universal Knight 5** does not require any change when shifting over from 6 volts to 110 volts or vice versa. It is the most versatile and all-around convenient two-in-one radio made today.

• **Economical Operation.** An outstanding advantage of the **Knight Universal 5 Tube Superhet** is its economical operation when used from a 6 volt storage battery. (No "B" or "C" batteries are required.) The latest low-drain tubes assure maximum power and efficiency and at the same time operate with unusual economy.

• **Handsome New Cabinet.** One of 1938's finest table model cabinets has been chosen to house the new **Knight Universal 5 Tube Superhet.** This table model cabinet features "roll" top and bottom effect, with one-piece instrument panel and top of choice walnut wood. The speaker grille is attractively shaped and enhanced by three shaped overlay bars. Cornice leg mounts complete the graceful design. The cabinet measures 17" long, 10¼" high, 8" deep.

• **Set Complete.** The new 1938 **Knight Universal 5 Tube Superhet** is offered complete with 6-inch P.M. Dynamic Speaker and set of R.C.A. tubes. Designed for operation on 110 volts, 60 cycles A.C. or from a 6 volt storage "A" battery, without requiring any additional equipment or change. (See below for 6 Volt Storage Battery listing.) Shpg. wt., 20 lbs. Code: BRIDE.

B10575. Retail Value. $56.50. **NET EACH, $26.75. YOUR PRICE. LOTS OF 3, EACH.....** **$25.35**

B10015. 6 Volt **Knight** 45-plate Storage Battery. Shpg. wt., 42 lbs. **YOUR NET PRICE.....** **$5.35**

Knight 4 TUBE 6 VOLT BATTERY SUPERHET

COVERS 175-560 METERS

Now every home in unwired areas can enjoy powerful low-cost modern radio reception. Here is an amazingly economical 1938 6 Volt Farm Radio designed for operation from a 6 volt storage battery. The 1938 **Knight Battery 4** will outperform larger battery sets both in power and in tonal excellence.

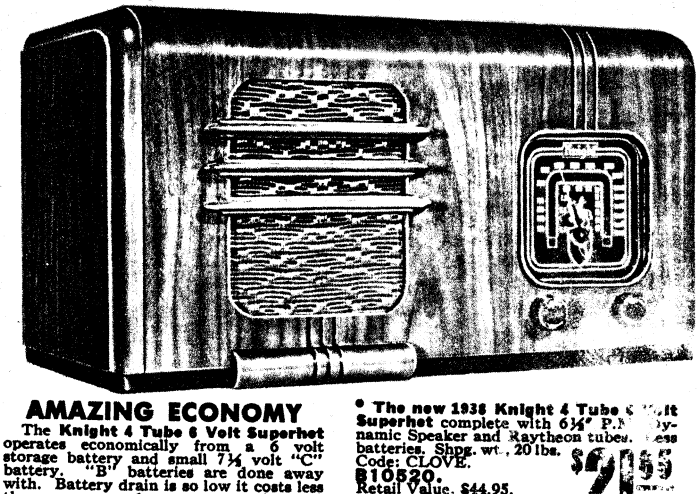
• **Practically Electric.** The **Knight 4** offers the convenience and economy of the finest A.C. radios. A single 6 volt storage battery (and a 7½ volt "C" battery) do all the work. The **Knight 4** costs less to operate; requires only inexpensive occasional charging of the 6 volt "A" battery.

• **Powerful Circuit.** The latest developments in 6 volt radio design are incorporated in the R.C.A. and Hazeltine licensed **Knight 4** circuit. The newest low-drain tubes are used as follows for actual 5 tube efficiency: 1C7 as Det.-Osc.; 1D5 as I.F. Amp.; 1H6 as 2nd Det.-A.V.C.; 1G5 as Power Output. This fine circuit includes full-acting Automatic Volume Control which prevents fading and blasting.

• **Large 4½-Inch Dial.** The latest airplane type full-vision dial is used in the **Knight Battery 4.** The tuning range covers 175 to 550 meters for dependable reception of American standard Broadcast stations plus upper Police channels. Calibrations are in kilocycles.

• **6½-Inch P.M. Speaker.** The latest type special-alloy P.M. Dynamic Speaker is used in the **Knight Battery 4.** This speaker reproduces the surprisingly large output of the circuit with rich fidelity at every volume level. The **Knight 4** brings you at a money-saving price, the finest tone in battery radio — never before equalled in a four tube battery set.

• **Beautiful Cabinet.** A splendid new 1938 design is featured in the table model cabinet of the **Knight Battery 4.** The top and front are of one-piece roll-top construction, in choice vertically-grained walnut. The grille has three shaped bar overlays and a decorative base mount. Size: 18"x10"x9½". The **Knight 4 Tube 6 Volt Superhet** must be seen and heard to be fully appreciated.



AMAZING ECONOMY

The **Knight 4 Tube 6 Volt Superhet** operates economically from a 6 volt storage battery and small 7½ volt "C" battery. "B" batteries are done away with. Battery drain is so low it costs less than a penny a day to operate the 1938 **Knight 4.** The amazing economy and convenience of the **Knight 4** makes it ideal for use in farm homes, summer camps, trailers, etc. Its powerful performance assures excellent results even in isolated locations.

• **The new 1938 Knight 4 Tube 6 Volt Superhet** complete with 6½" P.M. Dynamic Speaker and Raytheon tubes. Less batteries. Shpg. wt., 20 lbs. Code: CLOVE.

B10520. Retail Value, $44.95. **YOUR NET PRICE.....** **$29.65**

B10521. The **Knight Battery** complete as described with 6 Volt **Knight** heavy-duty 90-plate Storage Battery and 7½ Volt "C" Battery. Wt., 63 lbs. **YOUR NET PRICE.....** **$26.50**

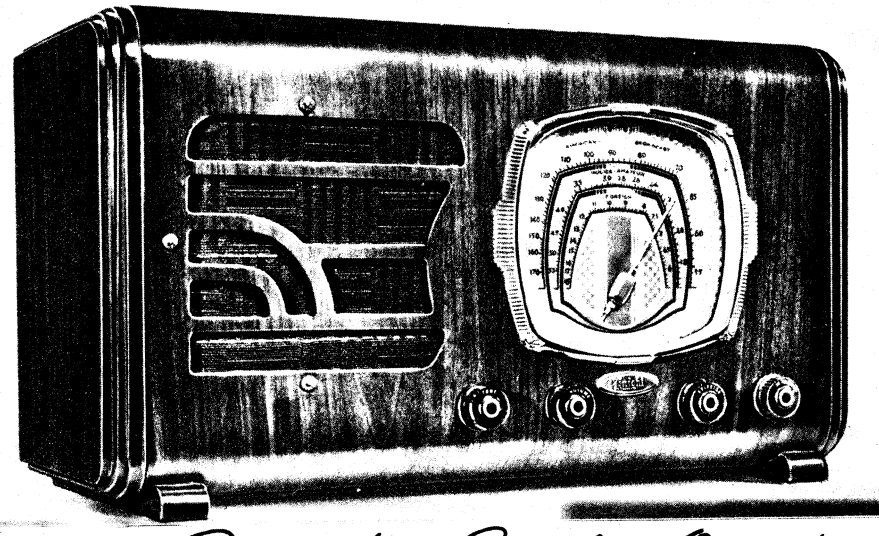
Knight 6 TUBE 6 VOLT BATTERY SUPERHET

ALL-WAVE WORLD-WIDE *Reception*

- **Low Battery Drain**
- **Newest Airplane Dial**
- **Variable Tone Control**
- **Full A.V.C. Action**
- **Full 2 Watts Output**
- **P.M. Dynamic Speaker**
- **Tunes 3 Full Bands**

$29.95

RCA & HAZELTINE LICENSED

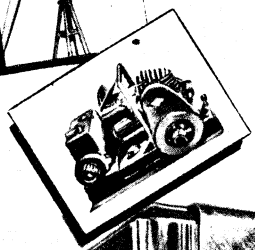


Requires only One Battery for Complete Operation!

COSTS PRACTICALLY NOTHING TO OPERATE!



This new **Knight 6 Volt Set** is amazingly economical to operate. Exceptionally low drain of only 1.85 amperes from a single 6 volt storage battery saves you from $18 to $25 a year on "B" and "C" battery costs alone. You save money because of **ALLIED'S** low price—you save, too, in operating costs.



For even greater savings on operating costs, we recommend the use of the **Knight 6 Volt Battery Radio** with an efficient Rurlpower Windcharger shown on the opposite page, or the Rurlpower gas engine units shown on page 150. Either will charge your battery at practically no cost.



Here is a new **Knight 6 Volt Farm Radio** that compares with the finest all-electric receivers—that brings modern 1938 radio performance to homes in unwired areas. Check these great features—only the **Knight 6** has them all at so low a price.

• **Powerful All-Wave Reception.** The tuning range covers three full bands continuously from 16 to 555 meters. From 16 to 51 and 51 to 175 meters, you tune thrilling Short Wave foreign programs as well as interesting Amateur, Airplane, and Police calls. From 175 to 555 meters you tune all standard Broadcast American and Canadian programs.

• **Latest Circuit Features.** The newest developments from radio's leading laboratories are built into the advanced R.C.A. and Hazeltine Superhet circuit. New low-drain Raytheon tubes of octal design are used for extra efficiency: 6S7G as R.F. Amp.; 6D8G as Det.-Osc.; 6T7G as Diode Det.-A.V.C.-1st Audio; 30 as Driver; 19 as Class "B" Power Output; 30 as Bias Rectifier. These tubes have been selected to give the **Knight 6** the power of many 8 and 9 tube radios—at a lower cost. The power output of 2 watts in Class "B" is a new achievement for battery radios—it means full strength reception on every program. Other features include: Full Automatic Volume Control; Variable Tone Control; long-life full-wave plug-in type vibrator to supply all "B" and "C" voltages; heavy-duty rubber-floated condenser; 11 tuned circuits; Litz-wound high-gain coils, etc.

• **Glorious Tone Quality.** Whether voice or music, a speech or a full symphony, the **Knight 6 Volt Farm Radio** offers you superb tonal quality on all programs. This is attained by use of a full-sized P.M. latest special alloy dynamic speaker. (6" speaker in table model, 8" speaker in console and chassis models.)

• **A Real Battery Miser.** So economical is the **Knight 6** to operate, that it is truly a "Battery Miser." Only a single 6 Volt storage battery is required—"B" and "C" batteries are not needed. Low-drain tubes are used throughout to assure maximum savings without any sacrifice in efficiency. Battery drain is only 1.85 amperes—in average use you save from $18 to $25 a year on "B" and "C" battery costs. That's **real** economy!

• **Easy to Tune.** A newly designed, edge-lighted airplane dial makes the **Knight 6 Volt Battery Superhet** exceptionally easy to tune. Dial measures 5½x5⅞" and all calibrations are large and clear. All bands are distinctly indicated for fullest convenience.

• **Handsome Table Model Cabinet.** A real beauty, of most modern design. Top, front and bottom are shaped from a single piece of selected, richly-grained walnut—hand-rubbed and highly polished. Dimensions: 19" long, 11⅛" high, 10" deep.

• **Outstanding Value.** The **Knight 6 Tube 6 Volt Battery Superhet** in table model cabinet, complete with 6" P.M. dynamic speaker and Raytheon tubes. Supplied less 6 Volt battery. Shipping weight, 24 lbs. Code: GREEN.

B10545. Retail Value, $62.50. **YOUR NET PRICE**..... **$29.95**

B10548. Set complete as described above, with **Knight** 6 volt Heavy Duty 45 Plate Storage Battery. Shpg.wt., 66lbs. **NET**..... **$35.25**

KNIGHT 6 TUBE 6 VOLT CONSOLE MODEL

The **Knight 6 Tube 6 Volt All-Wave Battery Superhet,** with all features described above, is also offered in the deluxe console cabinet illustrated at left. Roll-top and instrument panel are of selected "V" matched walnut. Fluted pilasters at side blend harmoniously. Entire cabinet is hand-rubbed to a rich, lustrous finish. Dimensions: 41"x23½"x12½". Console model includes 8" P.M. dynamic speaker which, with large baffle area, offers exceptionally full-voiced beauty of tone. Includes all features described above. **Knight 6 Tube 6 Volt** Console Model complete with 8" speaker and Raytheon tubes. Less 6 Volt Storage battery. Code: GLADE. Shpg. wt., 50 lbs.

B10546. Retail Value, $89.50. **YOUR NET PRICE**..... **$43.45**

B10549. As above, but complete with **Knight** 6 Volt 45 plate heavy duty storage battery. Shpg. wt.: 92 lbs. **NET**..... **$48.80**

6 TUBE 6 VOLT CHASSIS MODEL

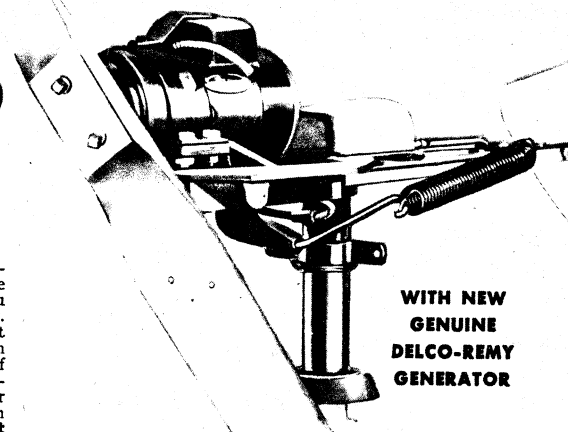
Here's an ideal chassis for custom cabinets or for replacement purposes. Measures: 11½"x8½"x8". Includes all features of models listed above: All-Wave tuning from 16-555 meters, A.V.C., Tone Control; illuminated Airplane dial, low-drain tubes, 2 watts output, etc. Supplied complete with 8" special alloy P.M. dynamic speaker, dial with knobs and escutcheon, and Raytheon tubes. Operates entirely from single 6 Volt "A" Battery. (No "B" or "C" batteries needed.) Less 6 Volt Battery. Shpg. wt.: 18 lbs. Code: BROWN.

B10547. Retail Value, $57.50. **YOUR NET PRICE**..... **$27.95**

B10553. As above, but complete with **Knight** 6 Volt 45 plate heavy-duty storage battery. Shpg. wt.: 60 lbs. **NET**..... **$33.30**

Free POWER $19.75 Complete

FROM THE WIND



WITH NEW GENUINE DELCO-REMY GENERATOR

NEW RURLPOWER WINDCHARGER

AMERICA'S FINEST—FOR LOW-COST BATTERY RADIO OPERATION

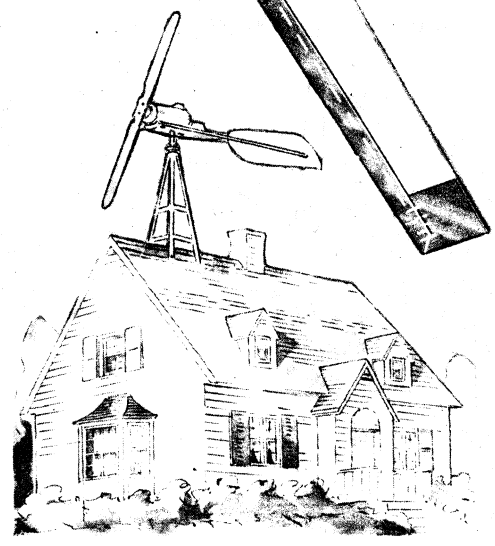
Now! Get FREE power from the wind with the finest, most reliable Windcharger ever made. This new, perfected Rurlpower Windcharger offers true economy in storage-battery charging—costs nothing to operate; saves you the expense of dry batteries, of carting heavy batteries to town for recharging. Puts the wind to work for you to deliver up to 16 amperes of direct 6 Volt current. Employs a newly-designed, exclusive Delco-Remy generator which has been especially developed for the Rurlpower Windcharger—instead of the usual rebuilt, re-wound automobile type generator. This means long-lived, thoroughly dependable service for you. The Rurlpower Windcharger is especially suited for use with the 1938 **Knight 6 Volt Radios** shown on pages 147, 148, 151, 152. Order a Windcharger and new **Knight 6 Volt Radio** together. The Windcharger assures better radio performance because it eliminates the nuisance of run-down batteries. Carefully engineered with many distinct new refinements; protected against weather; ruggedly constructed.

CHECK THESE FEATURES:

- **New Delco-Remy Generator—especially designed for Rurlpower Windcharger.**
- **Charges 6 volt or 2 volt storage batteries at rate up to 16 amps.**
- **Generator has double-sealed ball bearings; cuts in at 350 R.P.M.**
- **Airplane type propeller with metal-sheathed leading edges.**
- **All electric outlets are fully shielded against weather.**
- **Pivoted equalizer bar assures proper spring tension.**
- **Swivel throw-out automatically corrects position for any wind.**
- **Rotogrip distributor maintains double tension contact—permits free rotation of power head.**
- **Generator is self-governing—mounted on offset tilting cradle.**
- **Ten foot tower is rigidly constructed, easy to assemble.**

CHARGES ANY STORAGE BATTERY

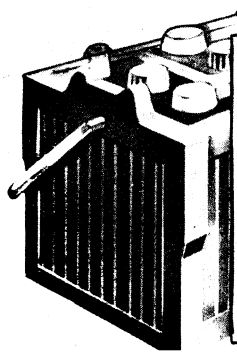
The Rurlpower Windcharger quickly and efficiently charges any 6 volt Storage "A" Battery, or, used with the resistor below, will charge a 2 volt storage battery. Has automatic cut-out; automatic propeller speed governor. Easy starting and stopping with simple pull-down wire attached to swivel-collar. To install, mount Windcharger and 10 foot tower on unobstructed roof or in high, open place; attach wires from generator outlet to storage battery—the wind does the rest. May also be used for limited lighting service with heavy-duty batteries such as shown below.



B10032. Rurlpower Windcharger complete. Includes Delco-Remy generator and head-mechanism, wired and ready to mount; 10 foot Tower, Propeller, Tail Vane, Ammeter on panel, Cut-out, Battery clips, etc. Complete instructions supplied. Shpg. wt., 75 lbs. List Price, $29.95.
YOUR NET PRICE **$19.75**

B10031. 2 Volt Resistor for charging 2 Volt Storage Battery from Windcharger line. **NET** 55c

6 VOLT RADIO & LIGHT PLANT ACCESSORIES



6 VOLT STORAGE BATTERIES

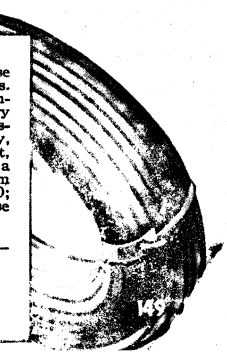
Especially designed for use with Rurlpower units. Oversize plates and carefully sealed cells provide long efficient service for lighting use.

B10021. 51 plate. For radio and not more than 1—25 watt lamp or 2—15 watt lamps. 55 lbs. **NET** **$10.95**

B10022. 63 plate, medium-duty type. For radio, and not more than 2—25 watt or 4—15 watt lamps. 65 lbs. **NET** **$14.45**

B10023. 75 plate heavy-duty type. For radio, and up to 3—25 watt or 6—15 watt lamps. 75 lbs. **NET** **$23.10**

B10024. GLASS JAR DELUXE TYPE. Especially developed for farm lighting service. Has unusually heavy plates. Pilot cell indicates gravity test at all times. Supplied with a sturdy wood protective case. 125 lbs. **NET** **$21.25**

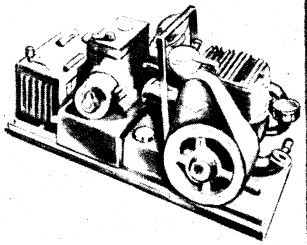


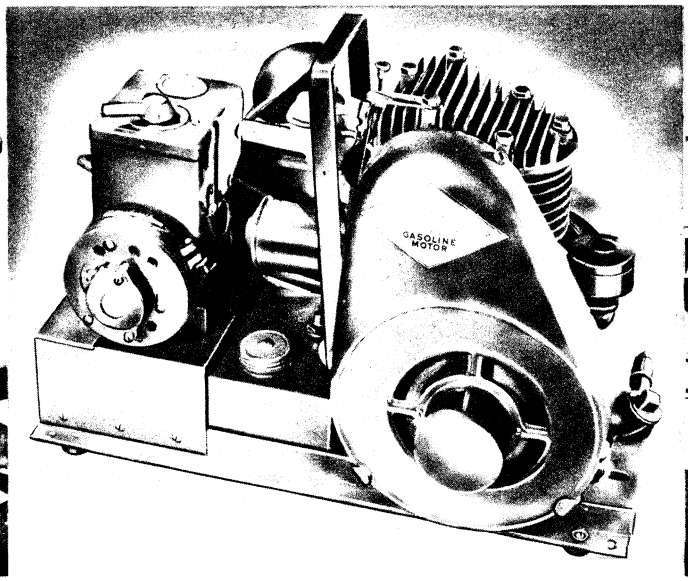
LIGHT PLANT WIRE

Weatherproof single conductor wire for use with Windcharger or Rurlpower plants. Solid copper conductor; triple cotton-covered and impregnated. For battery charging, use wire as follows: At a distance of 75 feet from charger to battery, use No. 6; at 50 feet, use No. 8; at 25 feet, use No. 10; at 15 feet, use No. 12. For a single 6 volt 25 watt lamp, 150 feet from battery, use No. 8; 75 feet, use No. 10; 50 feet, use No. 12; 30 feet or less, use No. 14.

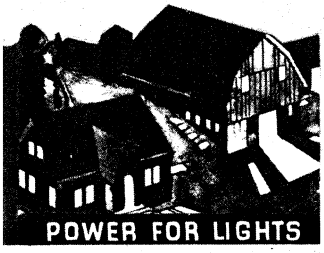
No.	Size	100 Ft.	Per Ft.
B2490	6	$5.25	5½¢
B2491	8	4.50	6¢
B2492	10	3.10	3½¢
B2493	12	2.65	3¢
B2496	14	1.25	1½¢

Now! ECONOMICAL FARM LIGHTING AND LOW-COST RADIO POWER







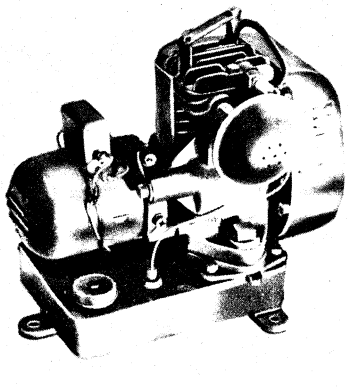




DeLuxe 6 VOLT LIGHT & POWER PLANT

Here is the brand new 1938 Rurlpower DeLuxe unit—the finest 6 volt plant ever made! Skillfully engineered with valuable new mechanical features and ruggedly built for long, reliable service. Employs a genuine Briggs and Stratton engine—your assurance of long-life dependability. Rurlpower is the ideal light and power supply for the farm, trailer, boat, sound truck, travelling show, roadside stand, etc. Charges up to three 6 volt storage batteries; operates up to eight 25-watt 6 volt bulbs from heavy-duty 6 volt storage battery! Rurlpower develops full 200 watts of direct current for quick, low-cost battery charging to permit operation of 6 volt lighting system, 6 volt radios and 6 volt Sound Systems. Also has efficient direct motor power take-off for operating many farm appliances. With convenient lever-starting.

B10007. Complete DeLuxe Plant. Shpg. wt. 87 lbs.
NET EACH $53.85. YOUR PRICE, LOTS OF 3, EACH..... **$49.50**



WHAT RURLPOWER DOES

Rurlpower DeLuxe will keep 6 volt storage batteries fully charged for continuous, more powerful radio performance and for real electric lighting. (Instructions are provided showing how to charge 2 volt and 12 volt storage batteries.) Appliances such as washing machines, cream separators, pumps, etc., requiring not more than ⅓ H.P. may be driven from the motor with direct pulley take-off. Rurlpower eliminates battery-charging troubles, inadequate lighting and laborious chores. There's nothing like the convenience of electric power offered by Rurlpower. Lever-starting—works in an instant. Portable—it can be taken anywhere. Economical—runs 4 hours on 2 qts. of gas. Rurlpower saves enough time and money to pay for itself in a few weeks. Order now—for savings, for profits!

RURLPOWER SPECIFICATIONS

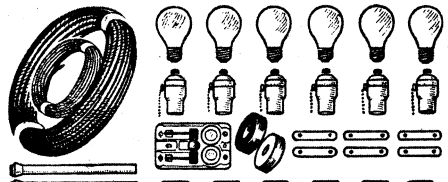
Deluxe engine is famous Briggs and Stratton 4 cycle, single cylinder, air-cooled ⅝ H.P. type. Lever-starting; motor ignition supplied by high-tension built-in flywheel magneto (battery not needed for starting). Also has starter pulley for emergency hand cranking. Special ball-bearing generator furnishes full 200 watts output at 6 volts; fan-cooled; equipped with automatic circuit breaker. Multiple control switch provides selected charging rates of 10 and 35 amperes. Ignition shielding prevents radio interference. Rubber-mounted feet prevent vibrations. Size: 14"x12"x20¾". Supplied complete with charging leads and battery terminals, air cleaner, muffler, tools, and full operating instructions telling how to charge 2 volt and 12 volt storage batteries as well as 6 volt.

RURLPOWER STANDARD MODEL

This new standard model is similar to the DeLuxe unit in features and specifications, except that it has a hand rope starter. Compact, portable, yet thoroughly reliable. Supplies 100 watts, 6 volts D.C. to charge 6 volt storage batteries—quickly, inexpensively—for operating 6 volt radio, 6 volt light bulbs, etc. Will also operate appliances requiring not more than ⅓ H.P., directly from motor by means of auxiliary pulley. Includes genuine new Briggs and Stratton 4-cycle, air-cooled, single-cylinder engine, and newly designed, specially matched generator. Costs only a few cents to operate—runs 4½-5 hours on 2 qts. of gasoline. Compact (15¼x9¾x 13⅜"), light in weight (46 lbs.) so that it is easily portable—yet sturdy and dependable. Battery is not required for starting; motor ignition is supplied by moisture-proof, high-tension, built-in fly-wheel magneto. No more time-wasting drudgery, poor lighting, weak radio performance. Put Rurlpower to work—it will pay for itself in just a few weeks. Make money charging batteries for others in addition to selling the unit itself. Cash in on a big, waiting market.

B10008. Standard Rurlpower complete with charging leads, terminal clips, tools, and full instructions. Shpg. wt.: 60 lbs.
NET EACH, $29.95. YOUR PRICE, LOTS OF 3, EACH.... **$28.50**

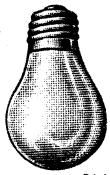
LOW-COST 6 VOLT LIGHTING SYSTEM



A complete kit of essential equipment for wiring the rural home. Enables you to take full advantage of electric light obtained from 6 volt storage battery. Provides modern lighting at low cost. Easily installed. A 6 volt battery charged by means of the Rurlpower light plant, or Rurlpower Windcharger will provide an abundance of soft restful illumination. The complete lighting system kit contains: 1—Porcelain double-pole entrance switch and fuse block, 2—30 Ampere plug fuses, 100 ft. roll No. 8 triple braid-covered weatherproof wire, 25 ft. roll twisted drop cord, 3—25 watt and 3—15 watt 6 volt light bulbs, 6—pull-chain sockets, 6—porcelain cleats, 6—porcelain nail-knobs, 2—6" porcelain tubes, 1—4-oz. roll friction tape, 1—4-oz. roll rubber tape, and instructions.

B2922. NET..... **$8.50**

6 VOLT LIGHT BULBS



These high grade G.E. licensed light bulbs give maximum light from a 6 volt storage battery. Ideal for use in farm lighting systems, camps, lodges, house-trailers, etc. Made by KEN-RAD; nationally known for quality and life. Have standard Edison type base. Write for attractive quantity prices. (Also available in 12 volt type; see listing on page 21.) These bulbs have frosted inside surface for even light diffusion.

No.	Watts	Drain	EACH
B795.	15	2.5 Amp.	**25c**
B796.	25	4.2 Amp.	**25c**
B820.	50	8.5 Amp.	**35c**

B5469. PULL-CHAIN SOCKET. Pendant type, standard Edison socket. Threaded to accommodate screw-on type reflector. With 6' pull-chain.
NET EACH..... **17c**

ALMOST BATTERYLESS! POWERFUL AND ECONOMICAL!!

Knight 7 TUBE 6 VOLT BATTERY SUPERHET

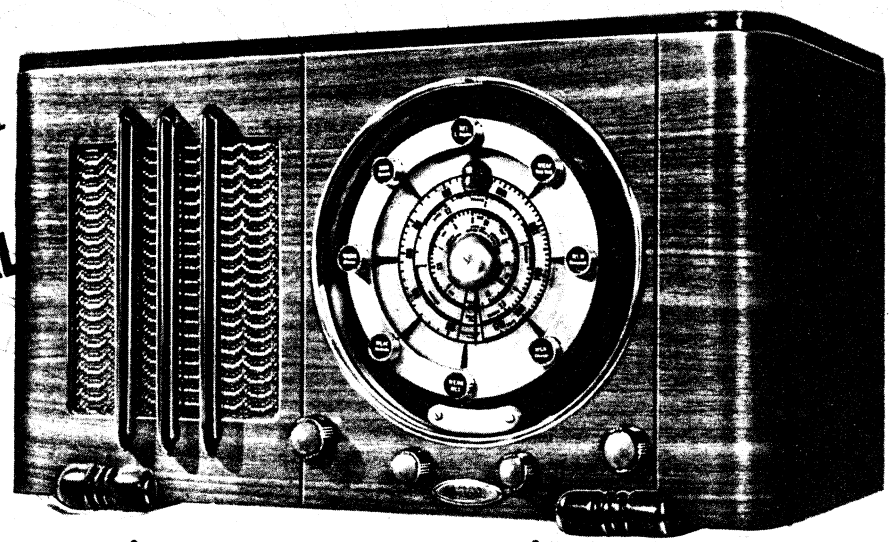
3 FULL BANDS · ELECTRIC EYE

WENR Chicago

with the New

AUTOMATIC SELECT-O-DIAL

WLAC Nashville



R.C.A. & HAZELTINE LICENSED

The Knight 7 Battery Superhet Table Model complete with R. C. A. tubes. Less 6 volt battery. Shpg. wt.,26 lbs. Code: SHARE. **B10600.** Retail Value, $74.50. **YOUR NET PRICE.** **$35.85**

B10601. As above, but complete with **Knight** 45-plate 6 volt battery. Shpg. wt. 66 lbs. **NET**..... **$41.20**

• **Leads the Field. ALLIED** proudly offers the premiere presentation of the 1938 **Knight 7 Tube 6 Volt Battery Superhet**—a brand new Farm Radio that's **first** with the amazing new Automatic Select-O-Dial and dozens of other features! Here's a radio that will be **modern** for years to come. There's no other set like it! And it sells for much less than other makes without these new developments! Tunes a station a second! Brings you entertainment from all over the world! Offers tonal quality so realistic you'll think you're in the studio!

• **World-Wide Range.** Tunes everything on the air in 3 continuous bands (no skips or "dead" spots) from 16-550 meters. Foreign Short Wave programs plus Amateurs, Airplanes, Police, and Ships-at-Sea are reliably covered from 16-52 and 52-174 meters; coast-to-coast American and Canadian standard Broadcast stations are tuned powerfully and pleasingly from 174-555 meters.

• **Almost Batteryless.** A revelation for convenience and economy. Operates entirely from a single 6 Volt storage battery—without "B" or "C" batteries. Newest genuine R.C.A. tubes of low-drain types are used throughout. (Drain is only 2.5 amps.) You save on "B" and "C" battery costs—in ordinary use, as much as $18 to $25 a year.

• **Stirring Tonal Quality.** Amazingly life-like tone is assured through the use of a new P.M. dynamic speaker (6″ in table model; 8″ in console and chassis models). Matched for best acoustical response and mounted for full baffle area, this speaker reproduces every program faithfully, richly, enjoyably. Rural listeners can now enjoy the pure tone of radio's perfect voice. Personal Tone Control enables you to emphasize treble or bass ranges at will.

7 TUBE CHASSIS MODEL

The new **Knight 7 Tube 6 Volt Battery Superhet** is also offered in deluxe chassis form. Includes every feature as described above. Chassis size: 11¼x8x8″; dial escutcheon: 8″ diameter. Operates entirely from single 6 Volt Storage Battery. Supplied complete with R.C.A. tubes, Select-O-Dial with knobs and escutcheon, and speaker. Shpg. wt., 17 lbs. Less 6 Volt battery. Code:GROOM. **B10604.** Retail Value, $69.95. **YOUR NET PRICE**..... **$33.35**

B10605. As above but complete with **Knight** 45-plate 6 Volt battery. Shpg. wt., 57 lbs. **NET**..... **$38.70**

• **Automatic Tuning.** Radio's newest sensation! The new adjustable Select-O-Dial provides for rapid and accurate automatic selection of favorite popular stations. May be easily adjusted by anyone in any locality so that any of 10 stations may be quickly and perfectly tuned. Anyone can tune this new convenient way! Select the station button you want, swing the tuning wheel to the stopping point—your station is there! The **Knight 7** can also be tuned in the conventional manner.

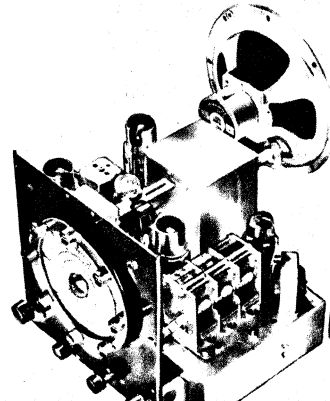
• **Powerful New Circuit.** A brand new R.C.A. and Hazeltine licensed Superhet circuit includes every new development. Latest R.C.A. tubes of low-drain types are used as follows: 6D8G as Osc.-Mod.; 6S7G as I.F. Amp.; 6L5G as 2nd Det.-A.V.C.; 6S7G as 1st Audio Amp.; 6L5G as Driver; 19 as Class "B" Output; 6N5 as Electric Eye. Long-life, plug-in type vibrator supplies all "B" voltages. Other features: Full A.V.C.; Tone Control; 3 gang condenser; Extension speaker connection; Doublet antenna connection; Preselector; rubber-floated chassis, etc.

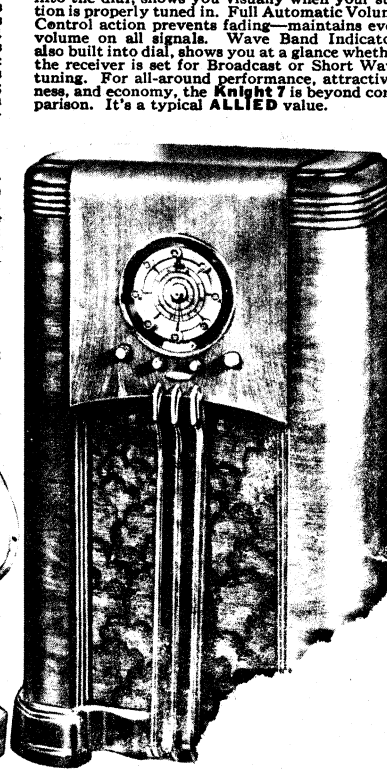
7 TUBE CONSOLE MODEL

Magnificently presented in the luxurious console cabinet shown at right, the **Knight 7 Tube 6 Volt Battery Superhet** console model will enhance the finest farm home. Built of choice walnut woods in the latest style. Dimensions: 40½x24½x12¼″. Console model includes all features described above and at left. Furnished complete with 8″ P.M. speaker and R.C.A. tubes; less 6 volt battery. Shpg. wt.: 55 lbs. Code: STOCK.

B10602. Retail Value, $107.50. **YOUR NET PRICE**..... **$51.35**

B10603. As above, but complete with **Knight** 45-plate, 6 volt battery. Shpg. wt., 95 lbs. **NET**..... **$56.70**

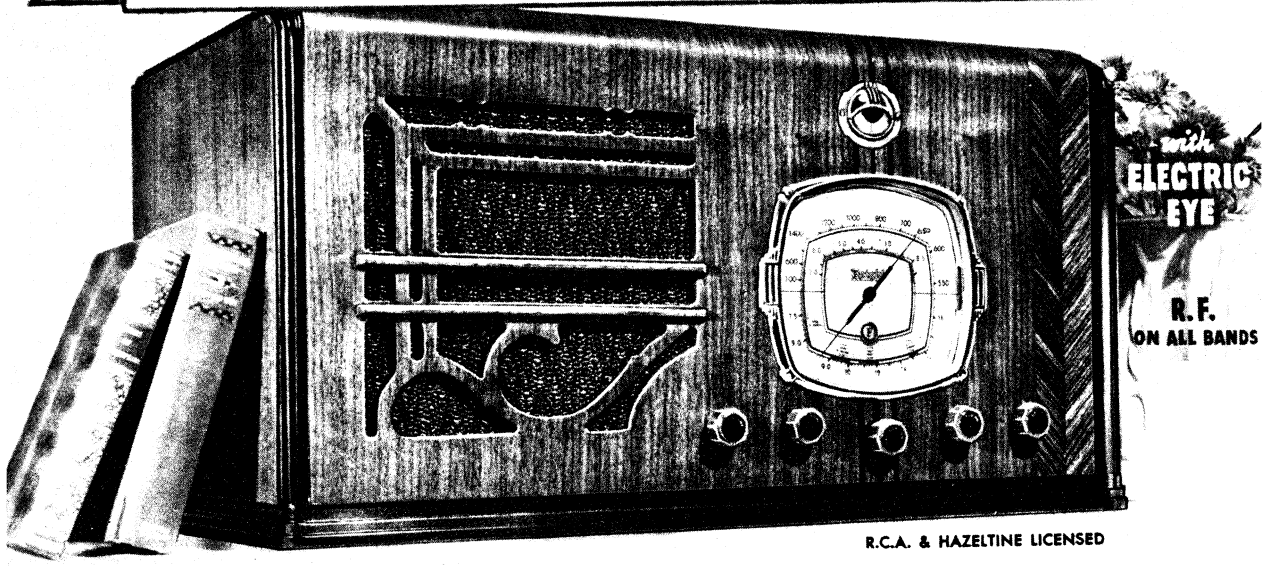




• **Exquisite Table Cabinet.** The ultra-modern cabinet shown above is the perfect housing for the great new **Knight 7 Tube Farm Radio.** Instrument panel and sides are of one-piece, horizontally-grained walnut in beautiful "roll" effect. Simple but graceful grille has shaped bar overlays. Shaped base-mount legs add a note of distinction. Entire cabinet is hand-rubbed to lustrous piano finish. Size: 19¾x11x9¾″.

• **Easy to Tune.** Even when stations are not tuned automatically, the **Knight 7** is exceptionally easy to operate. Electric Eye is built right into the dial; shows you visually when your station is properly tuned in. Full Automatic Volume Control action prevents fading—maintains even volume on all signals. Wave Band Indicator, also built into dial, shows you at a glance whether the receiver is set for Broadcast or Short Wave tuning. For all-around performance, attractiveness, and economy, the **Knight 7** is beyond comparison. It's a typical **ALLIED** value.

America's FINEST 6 VOLT BATTERY RADIO



R.C.A. & HAZELTINE LICENSED

Knight 8 TUBE 6 VOLT ALL-WAVE SUPERHET

- 3 Bands
- Tone Control
- Full A.V.C.
- Giant Dial
- With Electric Eye
- Bass Compensation
- 3 Gang Condenser
- New P.M. Speakers

Surpassing all previous achievements in the 6 Volt Radio field, the **Knight All-Wave 8** offers every unwired home the full luxury, convenience, and outstanding features of the finest AC receivers. Using only one 6 volt storage battery, it achieves actual 10-tube efficiency through the use of newest low-drain, multi-function tubes. Look at these features:

• **3 Full Bands.** Tunes 12-40 and 40-136 meters for powerful world-wide Short Wave Foreign, Amateur, Police, Ship, and Airplane reception; and 174-555 meters for coast-to-coast American and Canadian standard Broadcast stations. True All-Wave reception—day and night!

• **Rich, Flawless Tone.** The latest special-alloy P.M. dynamic speaker is employed by the **Knight 6 Volt All-Wave 8,** assuring finest wide-range tonal reproduction at all volume levels. Every program — voice or music — is rendered in vivid, life-like tone. Four-position Tone Control allows personal choice of tonal emphasis. Bass and Treble Compensation eliminates "slicing off" of vital overtones.

• **Powerful Superhet Circuit.** Licensed by R.C.A. and Hazeltine. Incorporates newest R.C.A. tubes: 6S7G as R.F.; 6D8G as Osc.-Mod.; 6S7G as I.F. Amp.; 6L5G as Det.-A.V.C.; 6S7G as 1st Audio; 6L5G as Driver; 19 as Class "B" Push-Pull Output; and 6N5 as Electric Eye. Total drain is only 2.8 amps., yet this powerful circuit develops full three watts output! Other outstanding features: I.F. wave-trap, to prevent code from breaking through on Broadcast band; rubber-floated chassis for more stable operation; 3 gang tuning condenser for sharper tuning; 7 tuned circuits on each band; full A.V.C. to maintain uniform volume level; phono and doublet antenna connections, etc.

• **Electric Eye.** Scientifically precise, it shows you visually when you are tuned in perfectly. Prevents "off-station" tuning. A splendid extra-value feature.

• **R.F. on All Bands.** Usually found only in the finest custom-built receivers. Increases sensitivity tremendously, so that even the most distant stations are brought in clearly and dependably. Makes possible absolutely dependable foreign reception.

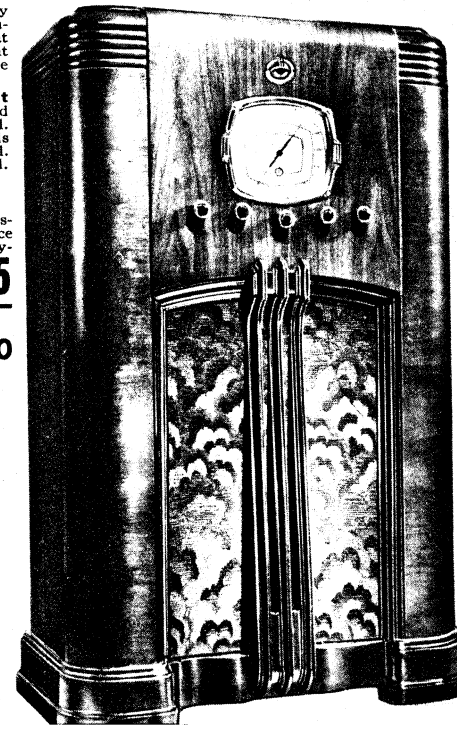
• **Latest Type Dial.** The **Knight 6 Volt 8** is enhanced by a handsome pillow-shaped dial. 5⅜" in diameter and edge-lighted. Accurately calibrated separate wave-bands are clearly marked on gold background. Visual wave-band indicator is built into dial.

• **Table Model Complete.** In luxurious "laydown" table model cabinet. Front and top are of one-piece, attractively striped walnut enhanced by V-matched contrasting trim strip and beautifully matched grained sides. 26"x14"x13".

B10606. Knight 8 complete with tubes and 8" speaker. Less 6 volt battery. Shpg. wt., 45 lbs. Code: POWER. Retail Value, $99.50.
YOUR NET PRICE **$47.50**

B10607. Knight 8 complete as above, but with **Knight** Heavy-duty 51-plate, 6 volt storage battery. Shpg. wt., 90 lbs.
YOUR NET PRICE **$53.95**

• **No "B" or "C" Batteries Needed.** The **Knight 8** operates from a single 6 volt storage battery which supplies all current necessary, eliminating "B" and "C" batteries. 6 volt battery may be inexpensively charged through use of Rurlpower Wind-charger or Gas Engine (see pages 149-50).



8 TUBE 6 VOLT CONSOLE MODEL

The **Knight 8 Tube Battery Superhet** is offered also in the magnificent console illustrated at the right. Has vertically striped walnut instrument panel and top of one-piece roll-top construction. Side pilasters are gracefully curved and are of matched contrastingly-grained walnut, set off by top beaded sections. Size, 40⅛x12¼x24¼.

B10608, Knight 8 complete with tubes and 10" speaker, less 6 volt battery. Shpg. wt., 80 lbs.
Retail Value, $120.00. Code: ANGLE.
YOUR NET PRICE **$56.75**

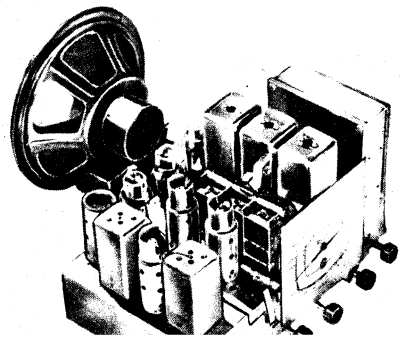
B10609. Knight 8 complete as above, but with **Knight** Heavy-duty 51-plate, 6 volt storage battery. Shpg. wt., 122 lbs.
YOUR NET PRICE **$63.20**

CHASSIS MODEL

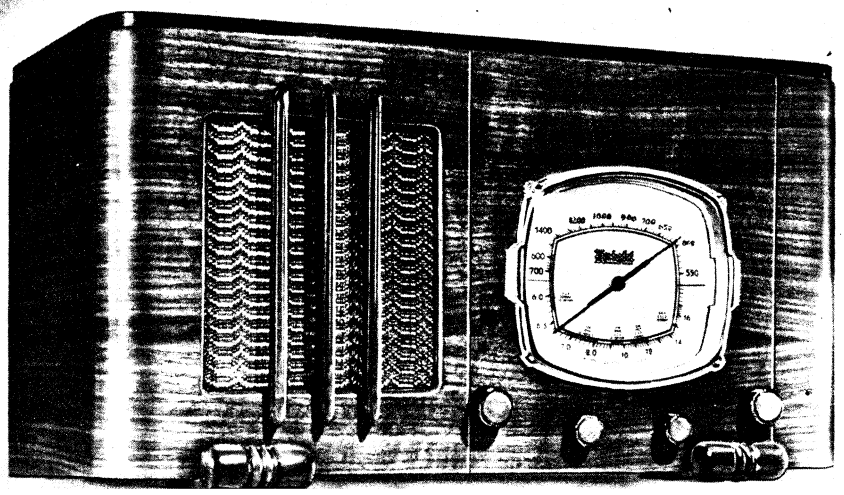
The chassis model of the **Knight 8-Tube Battery Superhet** is perfectly suited for all replacement purposes. Uses a 10" special alloy P.M. dynamic speaker to obtain the finest tone quality. Incorporates all the new features shown above. Built like a battleship, it will give dependable, brilliant performance for years to come. Size: 14½"x10"x10". **B10638 Knight 8** chassis model complete with tubes and 10" speaker, less battery. Shpg. wt., 22 lbs.

$41.50

Complete as above, but with Heavy-duty 51-plate battery.
YOUR NET PRICE **$47.95**



Knight 6 TUBE All-Electric 32 VOLT SUPERHET



- ALL-ELECTRIC RADIO
- WITH TONE CONTROL
- FULL A.V.C. ACTION
- 6" DYNAMIC SPEAKER
- GIANT 5 ¾" DIAL
- 3 BAND EFFICIENCY

$27.95 EACH IN LOTS OF 3

The Finest in **32 VOLT RADIO**

R.C.A. & HAZELTINE LICENSED

TUNES 16-51; 175-555 METERS FOR 3 BAND UTILITY

No finer 32 volt receiver than this 1938 **Knight 6** is built today at any price—it stands head and shoulders above the rest of the field in beauty, power, tone quality, economy and convenience. Typical **Knight** quality is built into its beautiful cabinet, its sturdy chassis. Operating directly from 32 volt power sources, the **Knight 6** tunes 2 complete bands—16 to 51 and 175-555 meters—bringing every desirable program in powerfully and dependably. New improvements, new refinements, now make it possible for every user of 32 volt power to obtain the finest in radio—at an unbeatably low price.

• **Operates From Any 32 Volt D.C. Source.** No batteries, power units, or vibrators are required—the **Knight 32 Volt DC Superhet** is entirely all-electric! The new type 48 tubes which are employed operate directly from any 32 volt source, for genuine all-electric power, convenience and economy. This modern 32 volt super incorporates every new and advanced feature found in the finest AC receivers!

• **Giant Airplane Dial.** A beautiful 5¾" airplane dial enhances both the console and table models. Pillow-shaped, edge-lighted, it has a gold face, with clear, accurate calibrations to make tuning a pleasure, not a task. Dial is calibrated in kilocycles for the 175-555 meter band; in megacycles for the 16-51 meter band.

• **Three Band Efficiency.** The **Knight 32 Volt 6** tunes 16-51 meters for foreign and domestic Short Wave programs, including the most popular overseas stations on the 19 and 49 meter bands; and 175-555 meters for powerful American and Canadian standard Broadcast programs. Here are two full bands that do the work—and give you all the thrills—of three!

• **8 Tube Power With 6 Tube Economy.** The newest R.C.A. and Hazeltine circuit is employed by the **Knight 32 Volt Superhet.** The following multi-purpose and single purpose tubes produce 8 tube results at no extra cost; 1—6A7 as Osc.-Mod.; 1—6D6 as I.F. Amp.; 1—75 as Det.-A.V.C.-1st Audio; 1—76 as 2nd Audio; and 2—48's as push-pull audio output. Total drain is only 40 watts. Just plug this set into any 32 Volt D.C. line and you're ready to enjoy radio at its best.

• **Glorious Tone.** No other 32 Volt receiver can surpass the splendid tone quality of the **Knight 6.** Its strong power is handled efficiently, beautifully, as rich, full-bodied tone by the heavy-duty dynamic speaker (6" in the table model; 8" in the console). Each note is delightfully free from "boom" and "tinniness." Listening to the **Knight 6** gives a new concept of 32 Volt radio tone quality. No finer 32 Volt radio can be bought at any price.

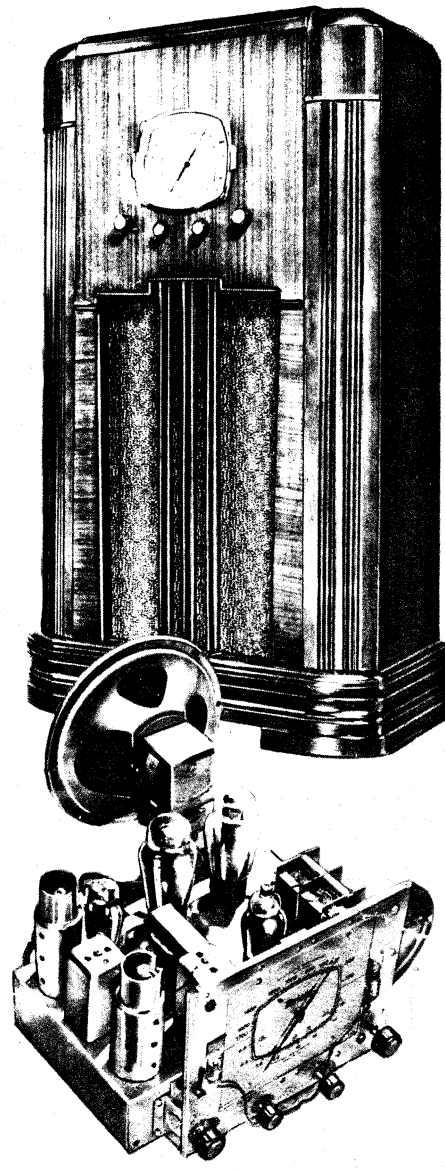
• **Latest Features.** Every advanced feature usually found only in high-priced AC receivers has been included in the **Knight 6 Tube 32 Volt Superhet.** Full Automatic Volume Control assures uniform volume and freedom from fading; Continuously Variable Tone Control permits personal accentuation of either treble or bass; rubber-mounted chassis and tuning condenser absorb jars and provide quieter, steadier reception; 6 tuned circuits on each band for maximum selectivity; doublet antenna connection; smooth, dependable wave-band switch; newest multi-function tubes, etc. Only the **Knight 32 Volt 6** gives you so many features, so much extra-value for your money!

• **1938-Styled Cabinet.** Up-to-the-minute in its beautiful modern design, the table model cabinet of the **Knight 6,** shown above, has instrument panel and sides of one-piece horizontally-grained walnut, with graceful rolled-end effect. The top is of selected walnut; the grille is enhanced by three attractive bar overlays. Size: 19¾"x11"x9¾". This cabinet is a fitting complement to the quality and workmanship of the **Knight 6.**

• **Table Model Complete.** The **Knight 32 Volt 6 Tube** table model is offered complete with 6" dynamic speaker, 5¾" dial and 6 R.C.A. tubes. For 32 volt operation. A $60.00 value offered at a price that defies competition. Shpg. wt., 20 lbs.

Code: BROOK.

B10612.
Retail Value, $60.00.
NET EACH, $29.50.
YOUR PRICE IN LOTS OF 3, EACH.. $27.95



CONSOLE MODEL

The **Knight 6-Tube 32-Volt Superhet** is offered in the fine console shown at the left. Built of choice walnut woods, with plenty of baffle area to assure finest acoustical results. Has front face of beautiful matched stump walnut, with decorative fluted side pilasters. Measures 38" high, 23½" wide, 12" deep. 8" auditorium speaker reproduces every tone level with dynamic, vivid, clarity. 5¾" dial is easy-to-read, simple to tune. For those who want the best in 32 Volt radio performance. Complete with set of 6 R.C.A. tubes. For 32-Volt operation. Shipping weight, 50 lbs. Code: GRANT.

B10615.
Retail Value, $82.50.
NET EACH, $39.75.
YOUR PRICE LOTS OF 3, EACH..... $37.75

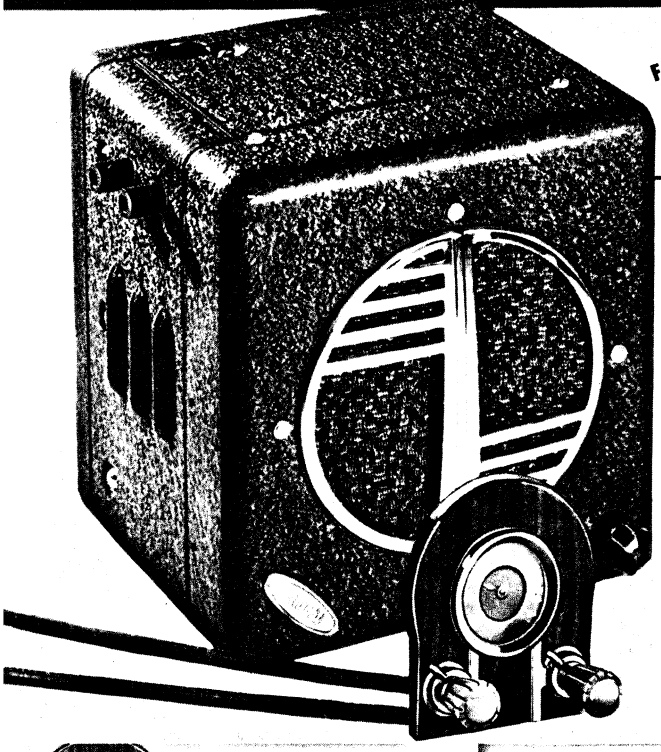
CHASSIS MODEL

A superb replacement for your present cabinet. The chassis model of the **Knight 32 Volt 6** is supplied with an 8" super-dynamic speaker and striking 5¾" dial. Full-sized, it measures 11¼"x8"x8". Reflects the highest type of workmanship and quality, and is built for long life and enjoyable, trouble-free performance. Employs an R.C.A. and Hazeltine circuit as described above, assuring the most modern type of radio reception. Complete with speaker, dial, tubes and escutcheon. A splendid all-electric 32 Volt Radio value. For 32 volt operation. Shipping weight, 13 lbs. Code: DRESS.

B10617.
Retail Value, $54.50.
NET EACH, $25.75.
YOUR PRICE LOTS OF 3, EACH..... $24.50

(For efficient aerial, see page 99.)

POWERFUL KNIGHT AUTO RADIOS . . .



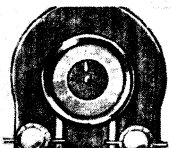
FITS ANY CAR
MATCHES ALL DASHES

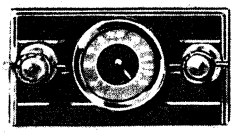
Knight 6 TUBE *Suppressorless* AUTO RADIO

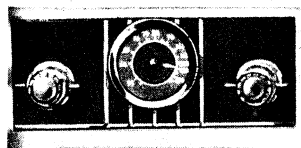
- **All-Electric**
- **Tone Control**
- **6″ Speaker**
- **3 Gang Condenser**
- **A.V.C. Action**
- **3 Watts Output**
- **Fits Any Aerial**
- **No Suppressors**
- **Very Low Drain**

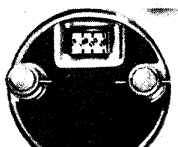
New! Thrilling! The finest 6-Tube Auto Radio money can buy. Designed with the precision, ruggedness and quality demanded by the automotive industry. Unparalleled for tonal brilliance, large dependable power and outstanding new refinements. Complete Noise Suppression is achieved by the use of a special multi-filter system which assures enjoyable noise-free operation.

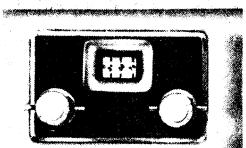
- **The Knight 6 Auto Radio** fits any car easily (including the Ford). Its compact size (8⅜x7¾x7″) and single hole mounting feature adapt it for easy mounting in any one of four positions. Only 1 battery and 1 aerial connection are required.
- **Works with any auto antenna**—matching perfectly to either low or high capacity types. The rugged construction of the entire receiver assures a secure and permanent vibration-free installation. The use of the newest tubes promotes stability and freedom from interference. Tuning mechanism is fully illuminated.
- **True A.V.C.** prevents fading and keeps volume at constant level. Variable Tone Control permits tonal emphasis as desired. The large 6-inch electro-dynamic speaker is designed to deliver flawless tone.
- **The New Knight 6-Tube Auto Superhet** incorporates the latest RCA and Hazeltine licensed circuit. The use of dual-purpose and triple-purpose tubes assures actual 9-tube efficiency with 6-tube economy. Has full 3 watts output which is beautifully handled by the built-in full 6″ dynamic speaker. A 3-gang rubber-cushioned condenser with a noise-reducing pre-selector stage of R.F. amplification, a newly developed iron-core antenna coil and double-tuned I.F. transformers positively assure 1 microvolt sensitivity and 10 K.C. selectivity.
- **All parts** (including fixed condensers) are securely bracketed to resist vibration. Case is of heavy-gauge rust-proof steel, well-ventilated, with complete dust-proof provision for speaker and condenser. In handsome dark maroon finish, with smart chromium grille. Patented antenna circuit gives maximum efficiency with any type of auto aerial. The **Knight 6** is really a Custom Auto Radio designed to fit and match all cars by the use of the special remote control mounting kits listed below at left. No other 6-Tube Auto Radio offers such luxurious performance.

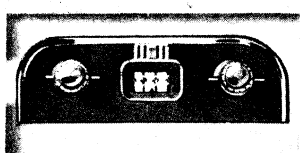

Ford


Chevrolet


Buick


Chrysler


Plymouth


Pontiac

- The **Knight 6 Tube Auto Radio** is offered complete with Raytheon tubes, flexible shafts, tuning control mechanism and hardware.

B10550.
Retail Value, $39.95.
NET EACH, $22.95.
LOTS OF 3, EACH....

$21.95

SPECIAL CONTROL MOUNTING KITS

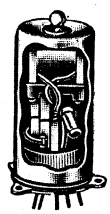
B10556. TYPE A. Universal control which adapts tuning mechanism of **Knight 6 Auto Radio** to fasten to lower edge of dash instrument panel. Makes an attractive installation in cars which do not have custom-control provision on dash.
YOUR PRICE EACH..... 90c

B10557. TYPE B. Custom control for mounting on dash panel of cars equipped with ash tray compartment. When ordering, be sure to specify make, model and year of car, indicating whether de luxe or standard. (See popular controls at left.)
YOUR PRICE EACH..... $1.15

(These controls are for use only with 1937 **Knight Auto Radios.**)

SPECIALS IN AUTO RADIO ACCESSORIES

RCA-VICTOR M-34 VIBRATOR ASSEMBLY



A genuine R.C.A. Replacement part. An exact replacement vibrator, part No. 7604, for the R.C.A. M-34 auto set. Sealed; fully adjusted and ready to install. Will operate on from 4 to 8 volts input. Rubber-mounted in double aluminum can. Size 4½″ high x 2½″ diameter.
B7320. Part 7604. ~~List, $6.00.~~ **NET..... $3.60**

BASE FOR ABOVE

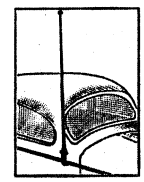
RCA Part No. 6577. Capacitor and base assembly for vibrator No. 7604. Two .04 mfd. condensers.
B21. Part 6577. **YOUR PRICE.. 47c**

ANTENNA CONNECTOR



For Auto Radio sets, to connect antenna to set.
B6254. EACH..... 6c
PER DOZ..... 60c

KNIGHT DOR-HINGE AUTO ANTENNA



A highly effective new auto antenna at an attractive low price. Designed to be easily attached to the hinge pin of any car door without drilling. Provides exceptionally good full frequency signal pickup because of its desirable non-directional design. 38″ long. Attractively and durably finished. Cadmium-plated. Has 48 inch lead-in wire which enters through car door opening. Furnished with sturdy mounting bracket. One of the finest low-cost auto antennas on the market today. Meets every requirement for performing efficiency, sturdiness and attractiveness.
B10385.
NET PRICE..... 95c

FRONT WHEEL NOISE SUPPRESSORS



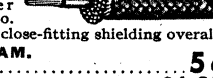
Effectively eliminates all noises caused by static pick-up of front wheels of car.
B5488. PER PAIR... 18c

MOTOR-NOISE FILTER



A new scientifically designed Auto Radio noise and spark plug suppressor eliminator. Easy to install; does not interfere with the car ignition system. Assures noise-free auto radio reception. Unit consists of a combination high-frequency filter and adjustable balancing circuit which completely eliminates use of spark plug suppressors. Filter is housed in shielded metal container fitted with mounting bracket. Installed in series with the antenna at receiver.
B5489. YOUR PRICE..... $1.32

SHIELDED AERIAL LEAD-IN

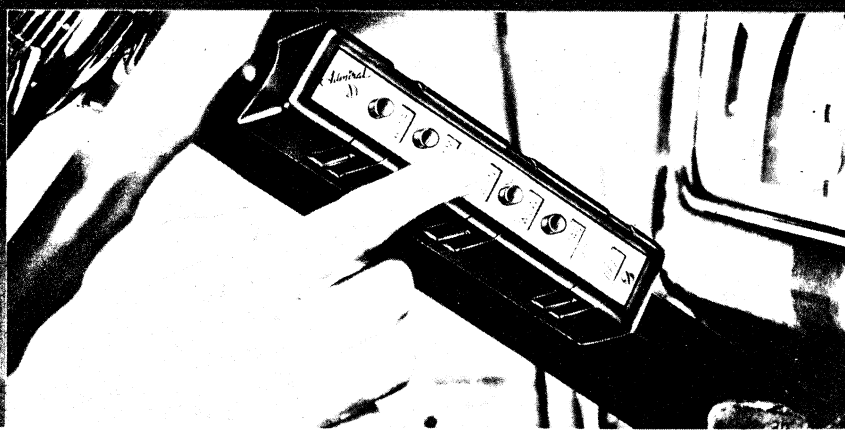


For efficient installation of auto antenna. Filler wrapped around No. 18 conductor, with close-fitting shielding overall.
B2444. ¼″ DIAM.
Per ft..... 5c
100 FT..... $4.35
B2443. ½″ DIAM.
Per ft..... 7c
100 Ft..... $5.95

• • • WORK PERFECTLY IN ANY CAR

The SENSATIONAL Admiral TOUCH-O-MATIC Safety TUNING UNIT

WORKS WITH ANY AUTO RADIO



ALLIED leads again with the first real step toward safe Auto Radio tuning—a sensational new safety feature! The exclusive new **TOUCH-O-MATIC TUNING UNIT** consists of a compact bakelite housing into which six small push-buttons are incorporated. Five of these buttons are for program logging, each controlling a separate station. The sixth button is intended for channel clearing—it makes the change from push-button tuning to regular manual dial tuning, or vice versa, as desired. By merely pressing any one of the five station-control push-buttons, you can accurately log the program being broadcast by that station. Imagine it! You can tune the station you want with a simple movement of your finger—safely—without taking your eyes off the road. (Regular control can, of course, be used at any time.)

• **For All Stations.** Any one of the five station buttons can be easily adjusted to any frequency or any station on the broadcast band. For the most accurate alignment, an oscillograph should be used. The five buttons will adequately cover the most popular broadcast stations in each locality.

• **Works with Any Auto Radio.** The **TOUCH-O-MATIC** Safety Tuning Unit will work with any auto radio receiver. Only two connections are required. A cable is connected from the push-button unit to the special **TOUCH-O-MATIC** tuning box which is in turn fastened to the auto radio case. The second connection is from this control box into the receiver. The **TOUCH-O-MATIC** Unit is especially ideal for use with **Knight Auto Sets.**

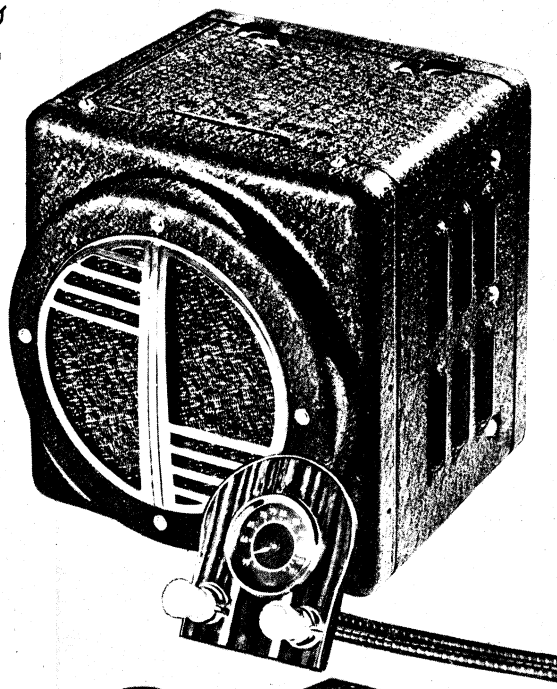
• **Easy to Install.** The **TOUCH-O-MATIC** Unit is amazingly compact. Dimensions: 5⅛" x 1¼"x1¾". Housing is of sleek black bakelite, designed to harmonize perfectly with the interior of the finest cars. Can easily be mounted on the steering post or under the dash.

• **Amazing Low Price.** The **TOUCH-O-MATIC** Unit is priced within the reach of every Auto Radio owner. Comes complete with push-button unit, control box, cable and hardware.

$5.35

B10555.
List, $8.95.
NET, ONLY.....

Knight 7 TUBE Suppressorless AUTO RADIO SUPERHET



Every outstanding Auto Radio feature has been incorporated in this new **Knight 7 Tube Auto Set** to assure superb tone, dynamic power output, wide distance reach, and easy, quick installation in any car.

• **Fits All Cars.** The **Knight 7** is completely contained in a single bronze crinkle-finished metal case with attractive chrome grille. Measures only 8¾"x7¾"x8". Has single hole mounting for quick easy installation.

• **No Suppressors.** A special new multi-filter noise suppression circuit is built into the **Knight 7** for noise-free reception. There is no need for spark plug suppressors.

• **Metal Tubes.** Newest type tubes are used throughout the advanced circuit of the **Knight 7.** Three of these tubes are the latest metal types (6K7, 6H6, 6C5). The others are super-efficient glass types (6D6, 6A7, 6V6G, 84).

• **5 Watts Output.** The **Knight 7** develops a full undistorted output of 5 watts—the result of a powerful 6V6G output stage. Makes possible marvelously full tone.

• **6½" Dynamic Speaker.** The self-contained heavy-duty dynamic speaker handles the tone of the **Knight 7** with rare fidelity and richness. At all frequencies, reproduction is wonderfully real and brilliant.

• **Tone Control.** Continuously variable full-range Tone Control is incorporated in the new four-in-two control head. Adds enjoyment to every program.

• **Full A.V.C.** Automatic Volume Control has been brought to a high point of perfection in the **Knight 7.** There is no fading, no reduction of volume.

• **Local and Distance Switch.** This switch is located on the new tuning head. In the "local" position it makes possible absolutely noise-free reception so desirable when driving in the city. The "distance" position is ideal for open country driving.

• **No-Glare Dial.** The splendid new dial of the **Knight 7** is a real safety feature. It is easy to read—there is absolutely no glare and no distraction.

• **Antenna Matching Circuit.** A new built-in antenna compensator matches the **Knight 7** perfectly for use with all high or low capacity auto aerials.

• **New Circuit Features.** The **Knight 7 Auto Radio** incorporates splendid new refinements in its RCA and Hazeltine licensed circuit. A pre-selector R.F. stage reduces noise level and provides increased selectivity and sensitivity. 7 tuned circuits are used. A rubber-floated 3 gang condenser gives real stability.

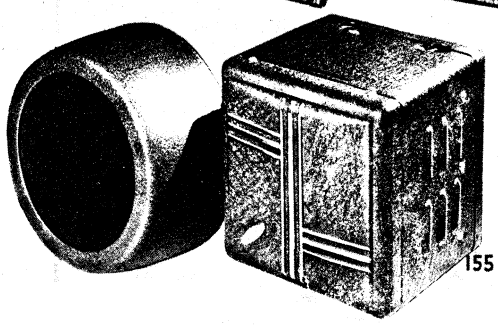
• **A Great Car Radio Value.** The **Knight 7 Tube Auto Radio** as described is offered complete with built-in speaker, Raytheon tubes, flexible shafts, tuning mechanism and hardware. (Mounting panel and knobs shown in photograph not included. See listing on page 154 for proper panel kit to fit your car.) Shpg. wt., 24 lbs. Code: BUILD.

$28.45

B10551. Retail Value, $49.95.
NET PRICE EACH, $29.95.
YOUR PRICE LOTS OF 3, EACH.....

Knight 7 TUBE DeLuxe AUTO RADIO

WITH SEPARATE 8" SPEAKER

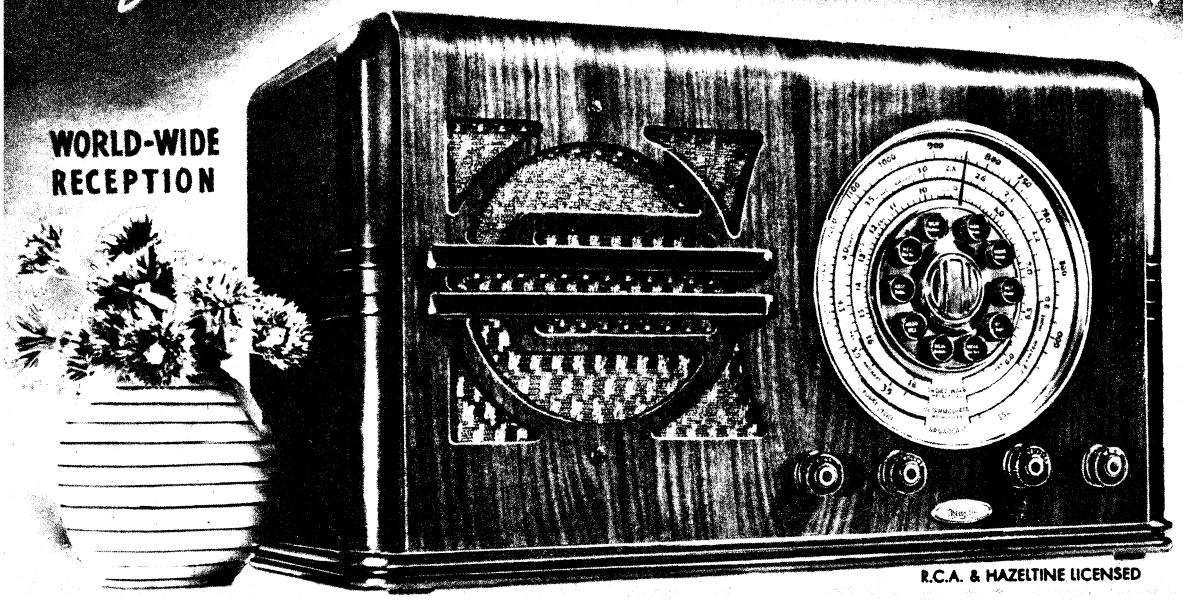


The **Knight 7 Tube Auto Radio** is also available in de luxe Dual Unit design. This model is exactly the same as described above except that a separate full 8" P.M. Dynamic Speaker is used. The separate chassis unit and separate speaker unit are each single-hole mounting. Both are in attractive bronze crinkle-finished metal cases with chrome trim. Chassis unit measures 8¾x7¾x7½". Features include: Metal Tubes; No Suppressors; Tone Control; A.V.C.; 5 Watts Output; No-glare Dial; Local and Distance Switch; 3 Gang Condenser; 7 Tuned Circuits; Pre-selector, etc. The **Knight 7 De Luxe Auto Radio** comes complete with separate 8" speaker, Raytheon tubes, flexible shafts, tuning mechanism and hardware. (See listing on page 154 for proper panel to fit your car.) Shpg. wt., 26 lbs. Code: DELTA.

$31.95

B10552. Retail Value, $54.95.
NET EACH, $32.95.
YOUR PRICE LOTS OF 3, EACH.....

Perfected Automatic Tuning—Superb Tonal Quality



R.C.A. & HAZELTINE LICENSED

with **AUTOMATIC SELECT-O-DIAL**

JUST DIAL YOUR STATION

Knight 8 TUBE A.C. SUPERHET

- **Automatic Tuning**
- **Full A.V.C. Action**
- **With Tone Control**
- **Tunes 3 Full Bands**
- **Triple Filter System**
- **Preselector Stage**
- **6 Watts Output**
- **3 Gang Condenser**
- **Large Speakers**

The new 1938 **Knight All-Wave 8 Tube A.C. Superhet** in table model, with Automatic Tuning, complete with 8" speaker and Raytheon tubes. For operation on 110 volts, 60 cycles A.C. Shpg. wt., 35 lbs. Code: DONOR.

B10540.
List, $74.50.
NET EACH, $35.95.

YOUR PRICE, LOTS OF 3, EACH..... **$33.95**

• **World-Wide Range.** Tour the World with the new 1938 **Knight 8 Tube All-Wave A.C. Superhet!** Tunes everything on the air. 16-52 meter band covers thrilling Short-Wave foreign programs; 52-175 meter band tunes Police, Amateur, Airplane Calls and Ships-at-Sea; 175-555 meter band brings you powerful standard Broadcast reception from all American and Canadian stations.

• **Automatic Tuning.** The 1938 **Knight 8** tunes your favorite local stations automatically, with true ease and precision. The call letters of ten stations appear right on the dial. Just dial your station the same way you would use a dial 'phone. Put your finger on the station name you want, swing the tuning disc down to the stop point—and you're tuned in instantly, perfectly. It's as easy as pointing a finger!

• **Giant New Dial.** In addition to true Automatic Tuning, the new 1938 **Knight 8** has a regular large full-vision illuminated dial with the three tuning ranges calibrated on the outer edge to give the advantage of increased scale length and greater station-spread. Each band is clearly indicated.

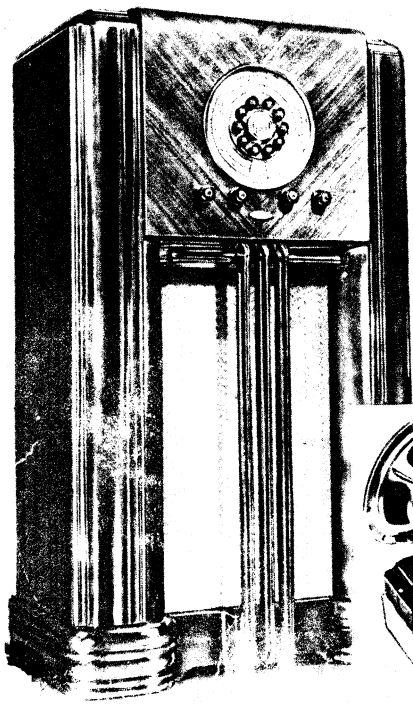
• **6 Watts Output.** The **Knight All-Wave 8** is a powerful performer providing in its magnificent 6 watts output a tremendous reserve power. This power is adequately converted into flawless tone by the large 8-inch electro-dynamic speaker.

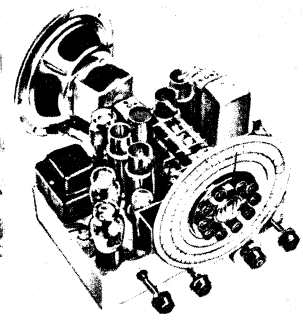
• **A Superb Circuit.** A brilliantly engineered R.C.A. and Hazeltine licensed Superhet circuit is used in the 1938 **Knight 8.** The following tubes are employed at maximum efficiency: 6A7 as 1st Det.-Osc.; 6D6 as I.F.; 75 as Diode-Det.; 76 as phase inverter; 75 as 1st Audio; 2—42 as push-pull power output; 80 as rectifier. A full 6 watts output is developed.

• **Other Features:** Full Automatic Volume Control; Variable Tone Control; R.F. Pre-selection; 3 Gang Condenser; Trie Filter System; 8-inch Electro-dynamic Speaker, etc. Every one of these features contributes to the harmonious combination of powerful World-Wide reception, maximum selectivity, and rich, vital tone which is always evident in the new 1938 **Knight 8.**

• **Wonderful Tone.** Whether you're tuned to a symphony from overseas or a popular domestic program, you'll enjoy to the fullest the faithful tonal response of the **Knight 8.** It reproduces the full range of voice and music with amazing fidelity and brilliant clarity.

• **Handsome New Cabinet.** Distinguished for design and styling. Utilizes one-piece top and front construction with rolled-top effect. Carefully selected vertically-grained walnut is used on front face and top. Horizontal strips adorn the sides and are in a dark finish to harmonize with the grille overlay bars. The entire cabinet is hand-rubbed to a high finish. Size: 21 ½x12 ½x10 ½ inches.





KNIGHT 8 CHASSIS MODEL

As illustrated — a de luxe model in every detail. Size: 11 ½x8 ½x8 ¼". With all features described above. Comes complete with 12" dynamic speaker and Raytheon tubes; with Automatic Tuning mechanism and escutcheon. For 110 volts, 60 cycles A.C. Shpg. wt., 23 lbs. Code: CHAMP.

B10542.
Retail Value, $71.50.
NET EACH, $34.45.

YOUR PRICE, LOTS OF 3, EACH..... **$32.45**

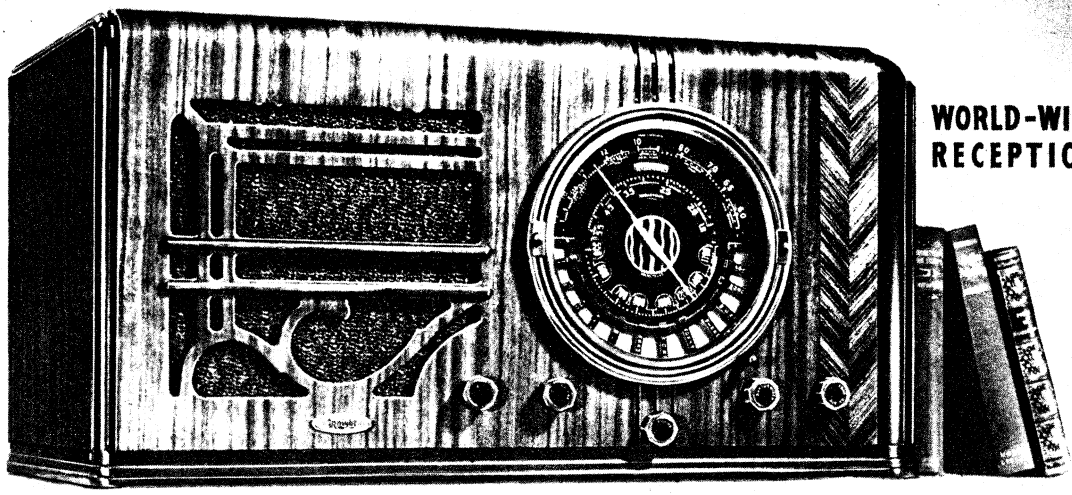
KNIGHT 8 CONSOLE MODEL

The **Knight 8** is available in console shown at left. Built of choice walnut woods. Size: 41"x23 ½"x12 ½". Includes all features described above. Complete with 12" dynamic speaker and Raytheon tubes. For operation on 110 volts, 60 cycles A.C. Shpg. wt., 70 lbs. Code: FAVOR.

B10541.
Retail Value, $97.50.
NET EACH, $46.45.

YOUR PRICE, LOTS OF 3, EACH..... **$43.95**

IN THESE NEW *Knight* ALL-WAVE A.C. RADIOS



WORLD-WIDE RECEPTION

R.C.A. & HAZELTINE LICENSED

Knight 11 TUBE A.C. SUPERHET

- **With Metal Tubes**
- **New A.F.C. Feature**
- **Full A.V.C. Action**
- **3 Full Bands**
- **Giant 8″ Dial**
- **Noise Silencer**
- **9 Watts Output**
- **Aut. Tone Control**
- **R.F. Preselector**

This magnificent new **Knight 11 Tube All-Wave Superhet** with sensational Automatic Dialing is a splendid radio value, designed for the utmost in radio enjoyment. Tune in your favorite domestic stations automatically, "quick as a flash." Thrill to powerful clear reception of foreign stations. Enjoy tone quality such as you have never heard before.

• **Tunes Three Full Bands.** The **Knight 11** covers the complete range: 16-52 meters and 51-174 meters for consistently reliable Short-Wave foreign, amateur, aviation, and police calls; 174-550 meters for powerful long-distance reception of all standard American and Canadian Broadcasts. Has all the new features.

• **Automatic Dialing.** Tunes your favorite local stations automatically. Call letters appear right on the dial. Swing the automatic tuning lever to the call letters of the station you want—and a light flashes—you're tuned in instantly, silently and perfectly.

• **Giant Color-Band Dial.** In addition to automatic tuning, the **Knight 11** has a regular big illuminated airplane dial. Has unique visual automatic wave band indicator; shows you exactly which band is in use. Broadcast channels are clearly calibrated in kilocycles. Short Wave bands are in megacycles Foreign channels are indicated.

• **Metal Tube Efficiency.** 10 new metal tubes and 1 glass type are used effectively in the great new **Knight 11 Superhet** as follows: 6K7 as Pre-tuned R.F.; 6A8 as Mod.-Osc.; 6K7 as I.F.; 6J7 as A.F.C.; 6H6 as Det.-A.V.C.; 6C5 as 1st Audio; 2—6C5 as push-pull 2nd Audio; 2—6F6 as push-pull power stage; 80 as rectifier. You get the most from each tube.

Table model complete as illustrated. Built pleasingly of choice walnut woods. Size: 26¼x14x13¾″. Complete with 10″ dynamic speaker and R.C.A. tubes. Shpg. wt., 51 lbs. Code: REGAL.

B10580.
List, $110.00.
NET EACH, $52.50.
YOUR PRICE, LOTS OF 3, EACH..... **$49.75**

• **Automatic Frequency Control.** Found only in the most costly radios. AFC shifts the **Knight 11** automatically into hairline tuning for perfect tone. You can't tune in "off-tone"—the circuit snaps into perfect tune anywhere within range of the station signal you are tuning.

• **Automatic Tone Control.** Boosts bass automatically without cutting out the high notes. Has five positions permitting perfect acoustical matching for any type of program. Has final position for best possible noise-free distance and Short-Wave reception.

• **Interstation Noise Silencer.** You can tune from station to station with no screeching, whistling or squealing noises. An ingenious automatic device that makes tuning a real pleasure.

• **More Features.** Additional features found in the **Knight All-Wave 11** include: Automatic Volume Control for steady, uniform volume; rubber-floated 3-gang tuning condenser for sharp selectivity; preselector for added sensitivity; double push-pull audio for tremendous 9 watts power; giant-sized auditorium dynamic speaker for broadcast-studio tone quality; doublet connection, etc.

CHASSIS MODEL

The **Knight 11 Tube All-Wave Superhet** with Automatic Dialing is also offered in chassis form. Has all the features described above. Beautifully built oversize chassis—16¾″ wide, 13½″ deep, 11″ high. Comes complete with 12″ Speaker and Automatic Dialing mechanism and R.C.A. tubes. A wonderful de luxe chassis value. For 110 volts, 60 cycles A.C. Shpg. wt., 40 lbs. Code: EPOCH.

B10582.
Retail Value, $97.50.
NET EACH, $46.50.
NET PRICE, LOTS OF 3, EACH..... **$44.25**

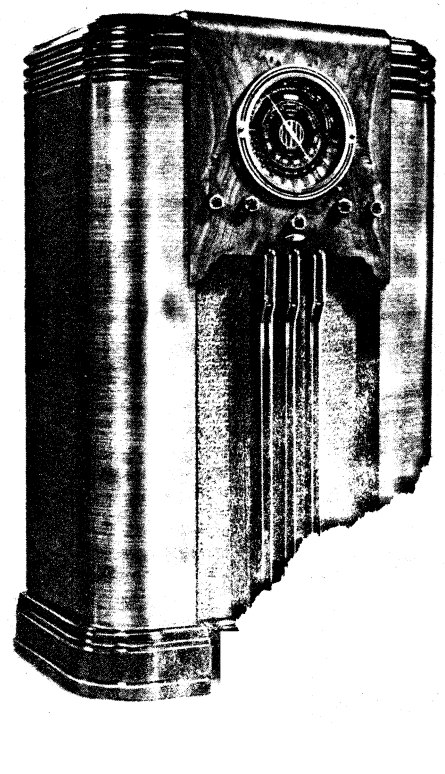
CONSOLE MODEL

The **Knight 11** is fittingly presented in a magnificent console built to the highest standards. Has richly figured butt walnut front face, with roll sides of matched figured striped walnut. Size: 41″ high, 26½″ wide, 14½″ deep. Offered complete with full 12″ dynamic speaker and genuine R.C.A. tubes. For 110 volts, 60 cycles A.C. operation. Shpg. wt., 79 lbs. Code: FLASH.

B10581.
Retail Value, $125.00.
NET EACH, $59.95.
NET PRICE, LOTS OF 3, EACH..... **$56.95**

For operation on all voltages from 95 to 260 volts, 25 to 60 cycles, A.C. add $3.65.

with **AUTOMATIC** *Flash* **TUNING**



THE WORLD IS YOURS WITH THE *Knight 16*



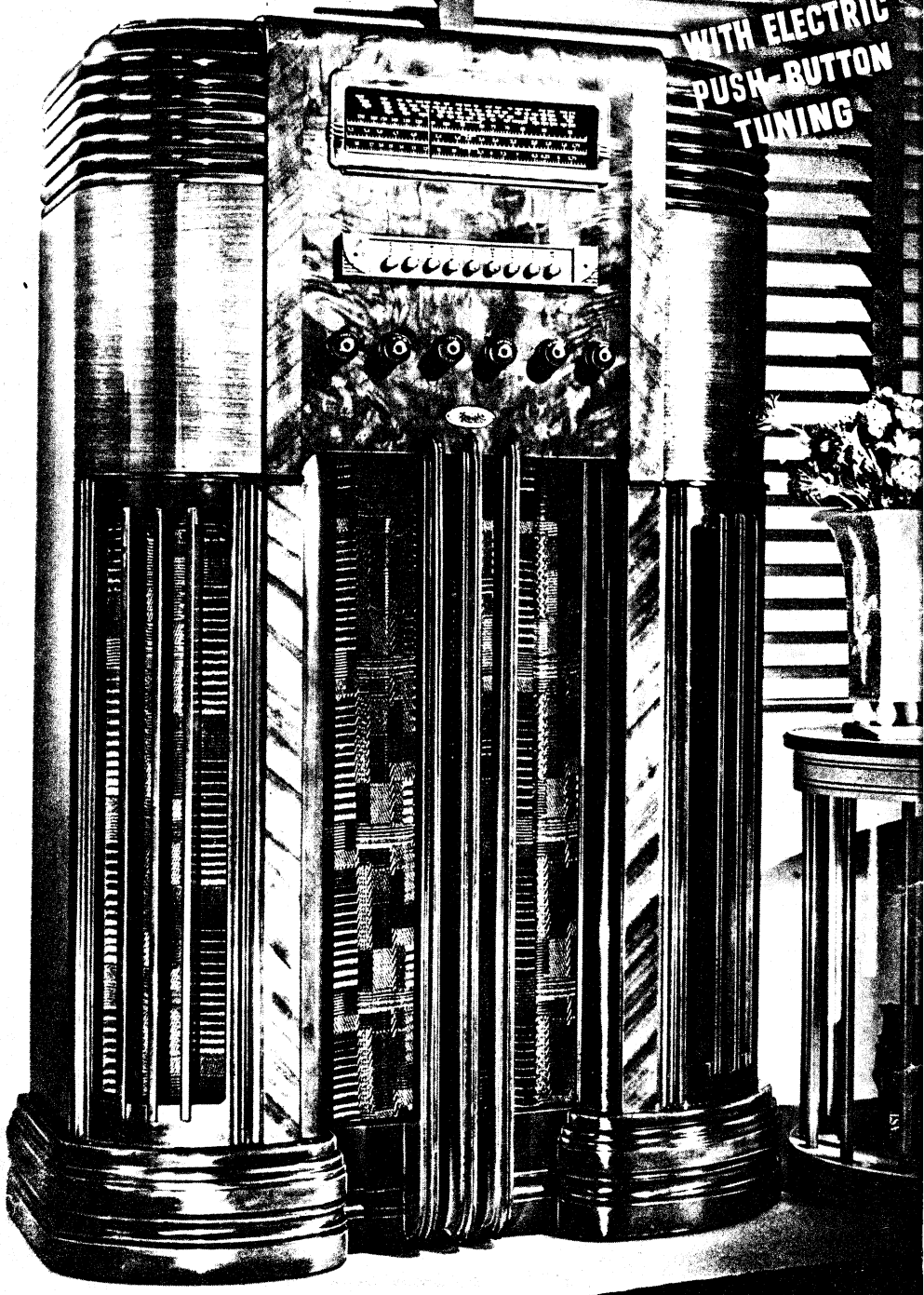






RADIO'S FINEST!

WITH ELECTRIC PUSH-BUTTON TUNING



Knight 1938

16 TUBE A. C. SUPERHET

ONLY **$84.95** EACH

WITH THE SELECT-O-MATIC DIAL

- **ELECTRIC TUNING**
- **NEW A.F.C. ACTION**
- **20 WATTS OUTPUT**
- **R.F. ON ALL BANDS**
- **15" DYNAMIC SPEAKER**
- **2 STAGES OF I.F.**
- **3 FULL WAVE BANDS**
- **FULL DELAYED A.V.C.**
- **DUAL TONE CONTROL**
- **BASS AMPLIFIER**
- **HIGH FIDELITY**
- **BEAM POWER TUBES**

Here is **ALLIED'S** great radio challenge for 1938—a 16 Tube World-Wide Superhet with true Electric Push-Button Tuning—with a score of brilliant and exclusive new features that will not be found in any other receiver listing for less than $300. Here's the proof:

• **WORLD-WIDE COVERAGE.** The **Knight 16 A.C. Superhet** covers 16 to 550 Meters—giving complete coverage of everything that's broadcast in the world today. Tunes 16-51 Meters and 51-175 Meters for powerful and consistent Short Wave foreign, amateur, aviation and police signal reception; 175-550 Meters for splendid coverage of all American and Canadian standard Broadcast programs. The 1938 **Knight 16** is America's best long-distance radio!

• **ELECTRIC TUNING.** A 1938 radio miracle. Tunes any eight preselected favorite stations at the touch of a button—works electrically with the utmost ease and accuracy. Here is the simplest and most practical automatic tuning device yet developed. You'll like Electric Push-Button Tuning—just press a button—and flash—there's your program, automatically, unerringly tuned! Anyone, in any location, can easily and quickly adjust the favorite stations desired.

• **SELECT-O-MATIC DIAL.** A new advance in dial design—a large full-vision rectangle with individual full-length horizontal scale for each band. Has vertical pointer; shows names of popular stations on the Broadcast band; clearly indicates all Short Wave channels. The Select-o-matic Dial is a fitting companion to the Electric Push-Button Tuning System.

• **AUTOMATIC FREQUENCY CONTROL.** You can't tune the **Knight 16** "off-tone" because the new AFC circuit snaps each program into perfect tune anywhere within range of the station signal you are tuning. And AFC gives Electric Push-Button Tuning its unerring ability to get your station tuned more perfectly than you can tune it by ear.

• **FULL DELAYED A.V.C.** Applied on five of the circuit tubes—a feature found only in radios selling at several times our price—absolutely overcomes fading even on the weakest signals—gives equal intensity and uniform volume strength to all incoming signals picked up by the super-sensitive circuit.

• **DUAL TONE CONTROL.** The 1938 **Knight 16** has two separate controls—one for bass—one for treble. This type of dual control achieves proper acoustical correction for any program in any room. It is entirely different from conventional tone controls because it does not cut off frequencies. Provides absolute and completely effective response at either or both ends of a musical range extending from 30 to 6000 cycles. This dual high-fidelity control will delight the most critical musical ear because it masters the full tonal range from deepest bass to highest treble.

• **R. F. ON ALL BANDS.** This feature is found only in the most expensive custom-built radios. Gives the utmost in selectivity, sensitivity and low noise level. Two double-tuned I.F. stages are also incorporated. (Sensitivity is absolute 2 Mv. measured at 50 milliwatts on all bands! Selectivity is 8 to 10 K.C. at 10 x power!)

• **BASS AMPLIFIER.** A special, separate bass amplifier is built into the **Knight 16.** This amplifier handles bass frequencies exclusively—a circuit and design innovation found hitherto only in laboratory and Broadcast studio amplifier instruments.

• **15-INCH DYNAMIC SPEAKER.** A newly developed full 15-inch Electro-dynamic speaker is used in the 1938 **Knight 16.** This speaker is designed and qualified by virtue of its power-handling ability and sensitivity to reproduce both voice and music faithfully with high-fidelity tone.

• **1938 RADIO CIRCUIT.** The newest octal tubes are used throughout the R.C.A. and Hazeltine licensed circuit of the **Knight 16** as follows: 6K7G as R.F. Amp.; 6K7G as 1st I.F.; 6K7G as 2nd I.F.; 6K7G as AFC Amp.; 6L7G as 1st Det.; 6J5G as Osc.; 6J5G as 1st Audio; 6J5G as 2nd Audio; 6J5G as Bass Amp.; 6H6G as Diode Det.; 6H6G as AFC Control; 6J7G as AFC Control; 2—5Z3 as rectifiers; 2—6L6G as Power Output stage. Outstanding circuit features are: 20 watts output; noise-reducing sensitivity control; 3 gang condenser; doublet antenna provision; special 3-pie I.F.'s with flat-top characteristics; statically-shielded power transformer; etc.

• **MASSIVE NEW CONSOLE.** The console of the 1938 **Knight 16** is magnificently designed and built. It uses four types of costly rich-figured walnut in a design that is sensibly conceived for perfect harmony in the home. The center is a one-piece burl-walnut panel forming at a rolled top both front instrument and top panel. This center panel is bordered with a strip of imported oriental walnut; pilasters are beautifully beaded at top and continue around full depth of side. The entire console is hand-rubbed to a high piano finish. Size: 44" high, 14" deep, 26" wide.

• **CONSOLE MODEL COMPLETE.** The 1938 **Knight 16 Tube All-Wave Superhet** with Electric Tuning complete in console with 15-inch speaker and R.C.A. tubes. For 110 volts, 60 cycles A.C.
Shipping weight, 110 lbs.
Code: STRONG.

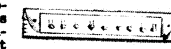
B10525. Retail Value, $175.00.
YOUR NET PRICE EACH..... **$84.95**
(For efficient aerial, see listing on page 99.)

KNIGHT 16 TUBE CHASSIS MODEL

The **Knight 16 Tube All-Wave Superhet** with Electric Automatic Tuning is also available in the de luxe chassis form illustrated at right. Includes all of the superlative features described above: 3 Band World-Wide Range; Electric Push-Button Automatic Tuning; Select-o-matic Dial; Automatic Frequency Control; 20 Watts Output; R.F. on all bands; 15-inch Electro-dynamic speaker; Bass Amplifier; Dual Tone Control; Full Delayed Automatic Volume Control; 2 Stages of Double-tuned I.F.; 3 gang condenser; doublet connection; latest octal tubes each delivering the utmost for magnificent power and performance. Exactly as described above. A big, beautifully built chassis, made up of the finest components that can be used. The tuner chassis measures 21" wide, 11¼" deep, 11¾" high. Separate power supply chassis measures 12"x8"x7½". Complete with Electric Tuning and dial mechanism, 15" dynamic speaker and R.C.A. tubes. For 110 volts, 60 cycles A.C. Shpg. wt., 60 lbs. Code: EXACT.

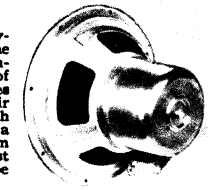
B10526.
Retail Value, $125.00.
NET PRICE EACH..... **$61.95**

1938 ELECTRIC TUNING



An amazing new feature found only in the finest 1938 receivers! Just press a button and there's your program—automatically, instantly, electrically! Absolutely practical, thoroughly-tested and reliable. Electric tuning is completely automatic. Push the button—there's your station—tuned perfectly, unerringly! You can tune any eight of your favorite stations this miraculously easy and precise way with the **Knight 16.**

15-INCH SPEAKER



A giant 15-inch Auditorium Dynamic Speaker is coupled with the 1938 **Knight 16** to handle the unprecedented 20 watts output of the circuit. All tonal frequencies are brilliantly projected in their true original fullness, with a depth of expression in the low notes and a color in the highs that has seldom been attained even by the most costly studio and laboratory type amplifying instruments.

NEW A.F.C.



Automatic Frequency Control—used only in the most expensive new radio receivers—instantly, automatically shifts the circuit of the **Knight 16** into hairline tuning for perfect tonal reception. Actually "snaps" stations into perfect tune. You simply can't tune "off-tone" with the **Knight 16**—so uncanny and certain is the action of its perfected Automatic Frequency Control circuit.

WORLD-RANGE

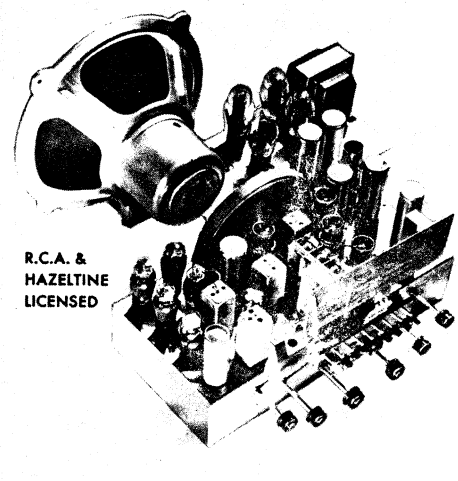


Everything on the air, near or far, is captured powerfully by the new 1938 **Knight 16.** It covers three continuous wave bands from 16 to 550 Meters. Nothing escapes this sensitive and powerful performer. Short Wave from foreign lands as well as domestic police, aviation and amateur signals; coast-to-coast standard American and Canadian standard Broadcast—all come in dependably, consistently on the **Knight 16.**

SUPERB TONE

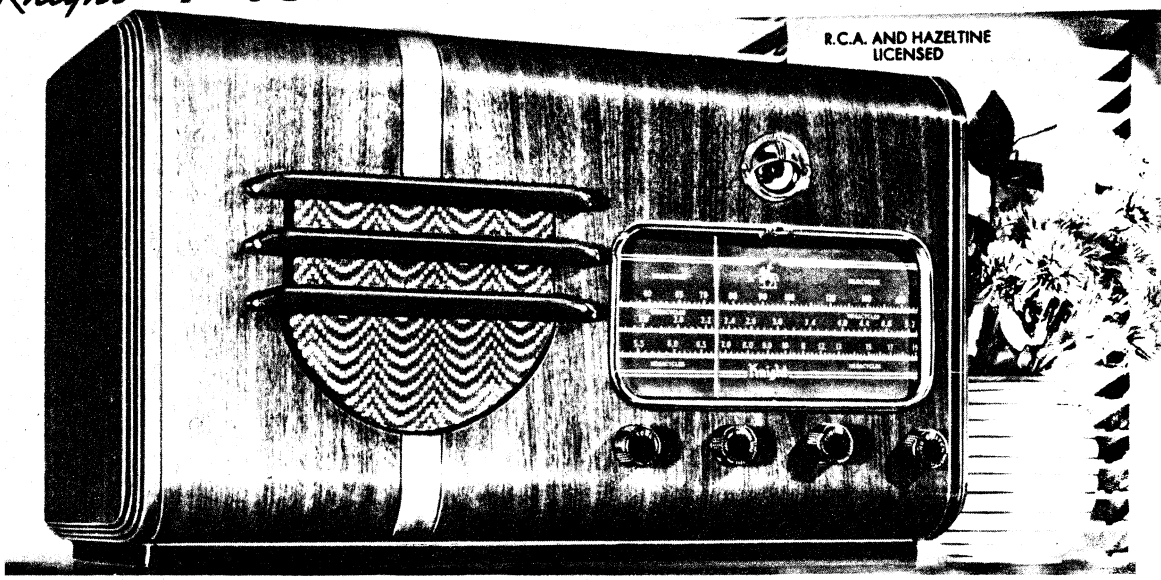


No finer tone quality is achieved by any radio instrument made today, regardless of price. The **Knight 16** represents the last word in flawless high-fidelity reproduction. A special built-in Bass Amplifier, Dual Tone Control, and 15-inch Dynamic Speaker capture every original nuance and overtone, recreating the original rendition with astonishing faithfulness that will bring keen enjoyment to the most critical listener.



R.C.A. & HAZELTINE LICENSED

Knight 9 TUBE ALL-WAVE A. C. SUPERHET



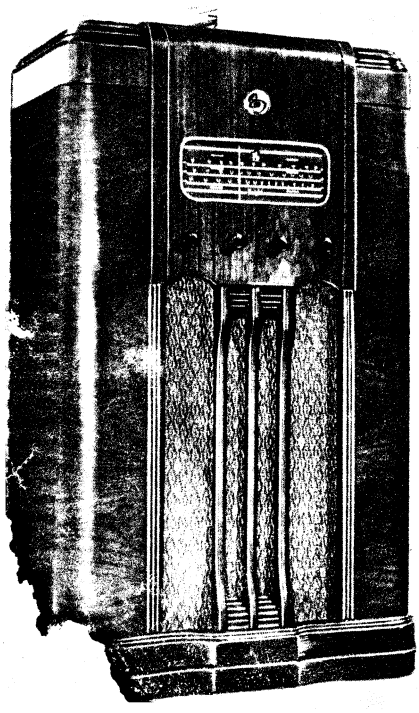
A *Super* VALUE

The 1938 **Knight All-Wave 9 Tube Superhet** with 8-inch Dynamic Speaker is offered complete with Raytheon tubes in the splendid table model illustrated above. For operation from 110 volts, 60 cycles A.C.
Code: ROYAL.
Shpg. wt., 30 lbs.

B10516.
Retail Value, $69.50.
NET PRICE EACH, $32.75.

NET PRICE, LOTS OF 3, EACH..... **$30.85**

- **3 Full Bands**
- **Slide-Rule Dial**
- **Tone Control**
- **10 Watts Output**
- **3 Gang Condenser**
- **Latest Type Tubes**
- **Electric Eye**
- **Bass Compensation**
- **R. F. Preamplifier**
- **Full A.V.C. Action**
- **8"-12" Speakers**
- **Uni-Coil System**



9 TUBES WITH THE POWER OF 11

A new 1938 **Knight 9 Tube All-Wave A.C. Superhet** which offers more for your money than any other 9 tube receiver made today. This new radio brings you more powerful World-Wide reception, more faithful and enjoyable tone quality, more features, more refinements and more value than you have ever seen at this price.

• **3 FULL BANDS.** The 1938 **Knight 9** covers everything on the air: 17 to 52 Meters for foreign and domestic Short Wave programs; 52 to 172 Meters for Short Wave amateur, airplane, ship and police signals; and 172 to 555 Meters for every standard Broadcast American and Canadian station. The **Knight 9** is super-selective and super-sensitive—it brings the whole entertaining world of radio to your home—faithfully, powerfully, enjoyably.

• **10" SLIDE-RULE DIAL.** A new 1938 type full-vision dial is used in the **Knight 9** for the utmost convenience in tuning any band. This easy-to-read rectangular dial shows three horizontal scales of equal length, one for each band. The Broadcast band is calibrated in kilocycles and the Short Wave bands in megacycles. The Electric Eye is mounted directly above the dial to show you visually when your station is perfectly tuned in. Anyone can operate the **Knight 9** with perfect ease and accuracy.

• **10 WATTS OUTPUT.** The high-fidelity, high output audio system used in the **Knight 9** circuit employs two 6F6 output tubes in a mighty push-pull combination to develop full 10 watts output of rich, undistorted tone—reproduced with perfect clarity through the 8-inch Electro-dynamic speaker in the table model and the 12-inch type in the console and chassis models. Every program tuned by the **Knight 9** is flawlessly re-created and is a joy to listen to.

• **A REMARKABLE CIRCUIT.** The **Knight 9** incorporates the finest R.C.A. and Hazeltine licensed 9 tube Superhet circuit using the latest type tubes as follows: 6K7 as R.F. Preamplifier; 6A8 as Det.-Osc.; 6K7 as I. F. Amp.; 6Q7 as 2nd Det.-A.V.C.-1st Audio; 6C5 as Phase Inv.; 2—6F6 as P.P. Output; 5Y3 as Rectifier; 6G5 is Electric Eye.

• **ADDITIONAL FEATURES.** Check these extra advantageous features: Bass Compensation on the volume control for full-range bass and treble reproduction of voice and music at any volume level; Variable Tone Control for individual tone emphasis; full A.V.C. for uniform maintenance of volume on all programs; new Uni-Coil system with separate coils for each band for unusual stability; R.F. preamplifier on Broadcast band for added sensitivity; rubber-cushioned 3 gang condenser with low minimum capacity for extra dependable tuning, etc.

• **MAGNIFICENT NEW TABLE MODEL.** The **Knight All-Wave 9** is beautifully presented in a splendid table model cabinet of tasteful design. It is made of vertically-striped walnut in one piece, rolled at top and bottom, with a contrastingly-finished band centered on the grille opening. Hand-rubbed to a luxurious piano finish. Measures: 21" long; 12¼" high; 9½" deep.

Globe-Trotting WITH THE KNIGHT 9

Tune around the world with the **Knight 9** on 3 thrill-packed radio bands. The tuning range covers everything; get interesting foreign programs, ships-at-sea, airplane, amateur and police signals—as well as coast-to-coast American and Canadian standard Broadcast. Thrill to the rich, faithful tone reproduced by the 12-inch Electro-dynamic speaker used in the luxurious console model, and enjoy the beauty of this new 1938 radio cabinet design. You will like the woods and finish; the instrument panel is of vertically-striped walnut in a roll-top effect. The side pilasters are of curved horizontally-striped walnut with contrastingly grained top trims. This new generously designed console measures 42" high, 24¼" wide and 12¼" deep.

CONSOLE MODEL

The 1938 **Knight 9** is offered complete in the beautiful console illustrated at the left, with full 12-inch Electro-dynamic speaker and Raytheon tubes. Includes all features exactly as described above. An outstanding radio value that sets the pace for 1938. For operation from 110 volts, 60 cycles, A.C. Shpg. wt., 65 lbs.
Code: FAITH.

B10517. Retail Value, $110.00.
NET PRICE EACH, $52.50.

NET PRICE, LOTS OF 3, EACH.. **$49.95**

CHASSIS MODEL

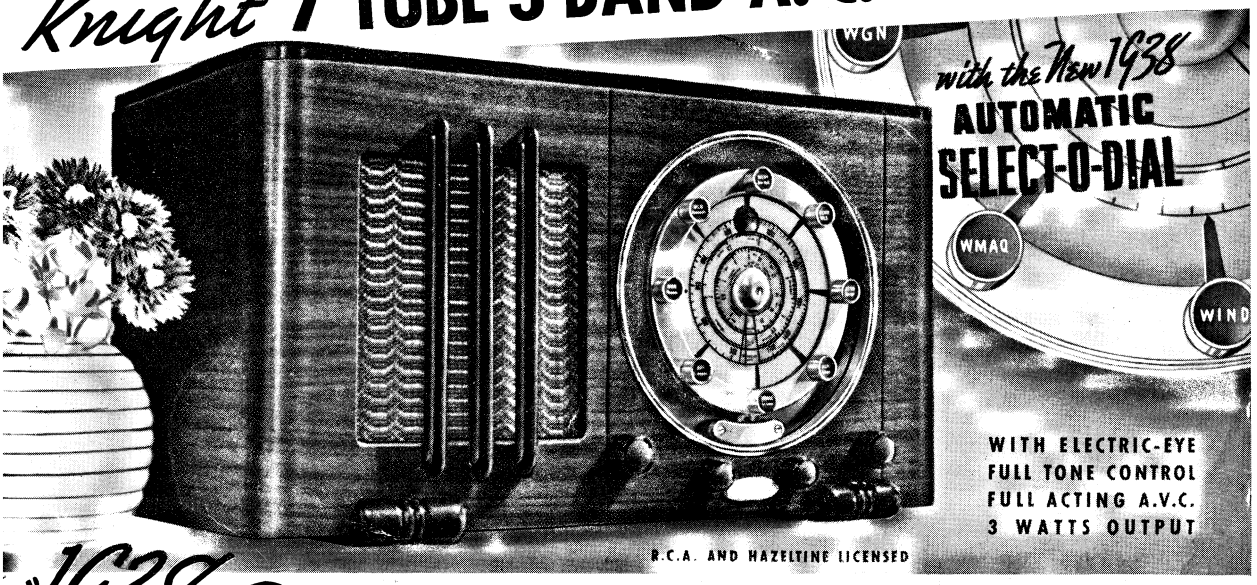
The **Knight 9** is offered also in chassis form. Incorporates the powerful new circuit described above with 12-inch Electro-dynamic speaker and 9 Raytheon tubes. Measures 13½" x 9½" x 9½". Supplied complete with 10" dial and escutcheon, knobs, etc. For 110 volts, 60 cycles A.C. Shpg. wt., 25 lbs.
Code: SWEEP.

B10518. Retail Value, $67.50.
NET PRICE EACH, $31.50.

NET PRICE, LOTS OF 3, EACH... **$29.65**

(For an efficient aerial, see page 99.)

Knight 7 TUBE 3 BAND A. C. SUPERHET



"1938 *Radio at its Best—at 1938's Lowest Prices*"

Here is the last word in 1938 radio—the value-packed **Knight 7 Tube All-Wave A.C. Superhet.** Tunes everything on the air. Has more features, more power, more sensitivity, more selectivity and finer tone than any other 7 tube radio built today. Just check these features:

• **WORLD WIDE RANGE.** Tunes 16 to 54 Meters for world-wide Short Wave reception; 52 to 178 Meters for Short Wave police, amateur, ships, airplane and commercial signals; and 174 to 560 Meters for upper police channels and all American and Canadian standard Broadcast stations. The **Knight 7** has an extra performing ability in reserve; it has more power, more responsiveness, more faithful reception than any other 7 tube radio.

• **AUTOMATIC TUNING.** The 1938 **Knight 7** tunes your favorite local stations automatically, with true ease and precision. The 1938 Select-o-Dial provides buttons for ten of your favorite stations. Put your finger on the station button you want, swing the tuning wheel down to the stop point—and there's your station—tuned in instantly, perfectly! It's as easy as pointing a finger. Anyone can adjust Automatic Tuning for any desired stations. And the **Knight 7** can also be tuned in the regular manner for all additional domestic and foreign stations.

• **GIANT NEW DIAL.** In addition to true Automatic Tuning, the **Knight 7** has a regular large 4¾ inch full-vision illuminated dial. Each band is separately and clearly indicated; Broadcast channels are calibrated in kilocycles; Short Wave bands are shown in megacycles with popular channels clearly designated. The built-in Teleye is an added feature.

• **A SUPERB CIRCUIT.** A brilliantly-engineered R.C.A. and Hazeltine licensed superhet circuit is used in the **Knight 7.** Latest tubes are incorporated: 6A7 as Osc.-Mod.; 6D6 as I.F. Amp.; 76 as Det.-A.V.C.; 75 as 1st Audio; 41 as Audio Output; 80 as Rectifier; 6G5 is Electric Eye. This tube line-up means powerful distance-reach and strong reproduction of programs on all wave bands.

• **OUTSTANDING NEW FEATURES. Knight 7** incorporates all of the following: Electric Eye for visual accurate tuning (built into the new Select-o-Dial); has Variable Tone Control for bass or treble emphasis; Automatic Volume Control for uniform volume maintenance; the finest Electro-dynamic speakers (6-inch in table model—8-inch in console) for flawless reproduction at any volume level; giant 3 watts undistorted power output for magnificent tonal beauty; rubber-floated tuning condenser and chassis for maximum stability; 6 tuned circuits on each band; doublet antenna connection, etc. Every one of these features contributes to powerful world-wide reception and radio's richest tone quality.

• **BEAUTIFUL TABLE MODEL COMPLETE.** The **Knight 7** is offered in the beautiful 1938 table model cabinet illustrated above. Has front face and roll-ends of one-piece choice horizontally grained walnut; with walnut top. Size: 19¾x12x9¾". Complete with 6" Dynamic Speaker and R.C.A. tubes. Shipping weight, 20 lbs. Code: PRIZE.

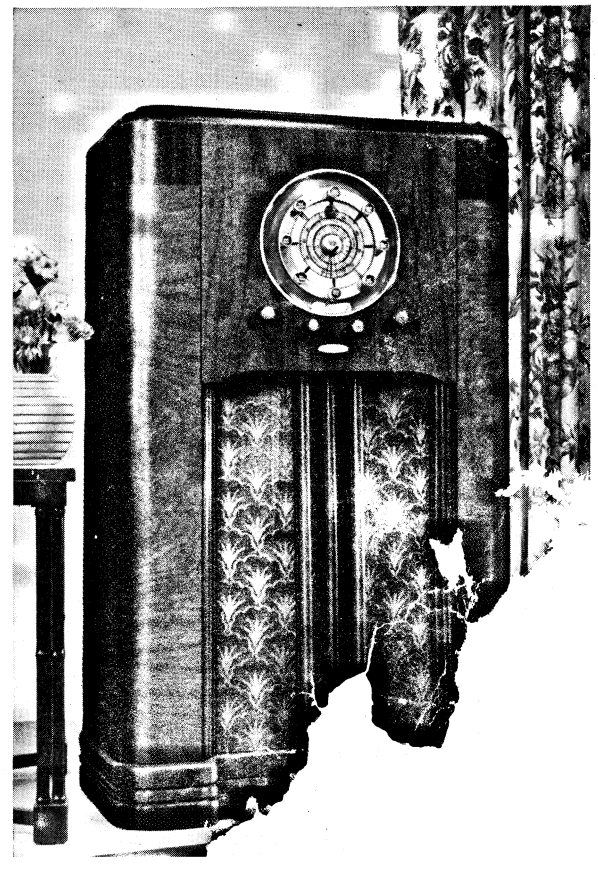
B10585. List, $57.50.
NET PRICE EACH $27.65.
YOUR PRICE, LOTS OF 3, EACH..... **$25.85**

The new 1938 **Knight All-Wave 7 A.C. Superhet** in table model, with Automatic Select-o-Dial, complete with 6" Speaker and R.C.A. tubes. For operation on 110 volts, 60 cycles, A.C. Shpg. wt. 20 lbs. Code: PRIZE.

$25.85

B10585. Retail Value, $57.50.
NET EACH, $27.65.
YOUR PRICE, LOTS OF 3, EACH

The **Knight A.C. 7** can also be had for operation on all voltages from 95 to 260 Volts, 25 to 60 cycles, A.C. at $2.50 extra.



Beautiful 7 TUBE CONSOLE *Model*

The 1938 **Knight All-Wave 7** is also presented in a new console model of more than distinguished appearance. This beautiful creation has an instrument panel of butt walnut with rolled side pilasters of horizontally striped and matched walnut, enhanced by top trims of vertically-striped walnut. The console measures 38¼" high, 22⅛" wide and 11" deep. It will add graceful dignity and charm to any decorative scheme. The **Knight All-Wave 7 A.C. Superhet** in console model has all of the features described above: Automatic Select-o-Dial; Electric Teleye; 3 Band Range; Full Variable Tone Control; Automatic Volume Control; 3 Watts Power Output; Doublet Antenna Connection; rubber-floated chassis and tuning condenser, etc. Comes complete with highest-quality 8-inch Electro-dynamic speaker and genuine R.C.A. tubes. Shipping weight, 52 lbs. Code: SPRING.

B10586. List Price, $72.50.
NET EACH, $38.95.
YOUR PRICE, LOTS OF 3, EACH..... **$36.75**

1938's SMASH RADIO HIT!

IN LOTS OF 3

Each $17.95



R.C.A. AND HAZELTINE LICENSED

Knight 7 TUBE A. C. SUPERHET

ELECTRIC EYE
2 FULL BANDS
3 BAND UTILITY
TONE CONTROL
FULL-ACTING A.V.C.
6" DYN. SPEAKER
4½ INCH DIAL
3 WATTS OUTPUT



ALLIED opens the 1938 Radio Season with a real Smash Hit—a new **Dual-Wave Knight 7 Tube A.C. Superhet** that's literally packed with value! Here's the radio pacemaker for 1938—rich in the latest practical features, unmatched at the price for strong power and wide distance reach, distinguished for its gloriously full true tone and its handsome looks. You can't buy better built-in quality or more reliable performance at even twice the price. In the new 1938 **Knight 7, ALLIED** again brings you Radio's Outstanding Value!

• **3 BAND UTILITY.** The 1938 **Knight 7** tunes from 47 to 130 Meters to bring in Short Wave police, aviation and amateur 'phone, as well as fascinating foreign reception on the popular 49 Meter foreign Short Wave channel. The second band covers 174 to 556 Meters and tunes the upper police channel and all American and Canadian standard Broadcast stations. These two bands with their complete coverage of all important channels actually give you the advantage of three band reception. Whether you tune standard Broadcast or Short Wave, local or distant stations, the new **Knight 7** offers you exceptionally strong, thoroughly pleasing reception of all programs.

• **TELEYE TUNING.** The accurate cathode-ray Tuning Eye used in the **Knight 7** assures enjoyable, scientifically-precise tuning. You can tune with the volume down—and there's your station—perfectly tuned—noiselessly, unerringly! This feature is generally found only in the higher-priced sets. It's a real contribution to tuning ease.

• **BEAUTIFUL EDGE-LIGHTED DIAL.** Latest 1938 type! Easy-to-tune; attractive in appearance. Measures 4½"x4". Has a handsome gold face which is fully illuminated from the sides. All calibrations are in large clear characters. Two legible scales are indicated, the upper calibrated in kilocycles for standard Broadcast tuning, the lower marked in megacycles for Short Wave logging. The important Short Wave channels are plainly designated. You will like this practical, attractive radio dial.

• **6 INCH DYNAMIC SPEAKER.** A full-sized 6-inch Electro-dynamic speaker of the finest make is used in the **Knight 7.** It reproduces both voice and music with amazing faithfulness at all volume levels. Never before has there been such stirring tonal realism in a table model radio at so low a price.

• **3 WATTS OUTPUT.** The **Knight 7** develops a maximum power output of 3 watts! This power is thrillingly rendered as flawless enjoyable tone—full and rich at all volume levels.

• **TONE CONTROL.** Continuously variable—a big extra feature usually found only in much higher-priced sets. Permits emphasis of bass or treble response to suit personal tastes. Adds to the tonal beauty of the **Knight 7.**

• **1938 CIRCUIT.** The R.C.A. and Hazeltine licensed Superhet circuit of the **Knight 7** assures the newest developments from these great laboratories. The latest tubes are used as follows: 6A7 as Mod.-Osc.; 6D6 as I.F. Amp.; 76 as Det.-A.V.C.; 75 as 1st Audio; 41 as Audio Output; 80 as Rectifier; 6G5 is Electric Eye. Other features include: Automatic Volume Control to maintain uniform volume, rubber-floated tuning condenser and chassis, 6 tuned circuits on each band, highest quality parts with wide safety factors.

• **LATEST CABINET.** The **Knight 7** is beautifully housed in the newest laydown cabinet featuring "roll" top and bottom effect. Front face is of choice vertically-striped walnut. Measures 17x8x10¼ inches.

• **A $40 VALUE.** The **Knight 7 Dual-Wave** is offered in the new and beautiful cabinet illustrated above, complete with R.C.A. tubes. For operation from 110 volts, 60 cycles A.C. Code: CROWN. Shipping weight, 17 lbs.

B10560.
Retail Value, $40.00.
NET PRICE EACH, $18.95.
YOUR PRICE LOTS OF 3, EACH **$17.95**

For operation on all voltages from 95 to 260 volts 25 to 60 cycles, A.C., add $2.00.

Beautiful New ARMCHAIR Model

The 1938 **Knight Dual-Wave A.C. 7** is also available in the popular chair-side model illustrated at the left. Designed in the latest mode, this new type of cabinet offers the last word in convenient and luxurious radio tuning. Actually puts the world of radio enjoyment at your elbow. The **Knight 7 Armchair Model** is designed along pleasing flowing lines with instrument and speaker panel of one-piece, vertically-grained walnut. Size: 23" high, 18" deep, 11¼" wide. Complete with 8" Speaker and R.C.A. tubes. Shipping weight, 33 lbs. Code: CHAIR.

B10561. Retail Value, $62.50.
NET PRICE EACH, $29.95.
YOUR PRICE LOTS OF 3, EACH **$28.45**