ALLIED SETS THE STANDARDS

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.

YOUR DOLLAR BUYS MORE AT ALLIED IN 1938

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.
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 Service, Building, Salesmanship, Short Wave, Sound, etc. Our extensive past experience enabled 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.

DON'T SPLIT YOUR ORDERS

We will never be undersold. We can also supply all types of special 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 better 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. We always guarantee to ship 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 6860.

FULL DISCOUNTS

In addition to all trade discounts, a FULL 2% CASH DISCOUNT has already been deducted from every price in this book. Our net catalog prices are the prices you pay. All quotations are F.O.B. Chicago (except where noted). You receive full discounts even if you prefer part C.O.D. shipment. You save C.O.D. costs, however, by remitting in full. (We reserve the right to add any Federal or State Taxes which may be levied after this book is printed. Prices subject to change without notice.)

(See Page 163 for "HOW TO ORDER" Information.)
NEW...DEPENDABLE...AMERICA'S

RCA & 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 100 meters, and 180 to 350 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 scat 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, deep walnut or smooth green. Pleasing streamlined design with rounded corners. Sizes: 10"x8"x5½".
- Powerful Circuit. Licensed by RCA and Hazeltine, the circuit of the Knight 5 develops full 2 watts output—outstanding in AC-DC sets of its compactness; has exceptional selectivity and sensitivity. Latest tubes used are: 666 as R.F., 66L as Det., 2SL4 as Beam Power Output, 25L5 as rectifier; and 1L49C as Ballast. The 2SL4 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 tube dynamic speaker, mounted in front with adequate baffie area; handling the 2 watts output with smooth, rich, enjoyable clarity; novel 3½" x 3½" colored, full vision dial with easy-to-take knobs; accurate at all times; built-in antenna. Here are "big" features at an amazingly low price.
- Set Complete. Order the set in quantity lots—use it as a demonstrator—its winning beauty, extreme versatility, and exceptional performance mean added profits for you! The Knight 5 Band AC-DC 5 for 110 Volts AC-DC, 40 to 60 cycles, complete with Raytheon tubes. Shop. wt. 9 lbs. Choice of Colors.

B10502, Red. 1065...
B10502, Black. 1085...
B10502, Walnut. 1095...

Your Price, Lots of 3, Each:

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

HANDY CARRYING CASE

A rugged carrying case for the Knight 5 Tube AC-DC sets on this page and on page 3, or for other compact radio receivers, and more, just 11¼x6¾x½". Of attractive Sunderite, with finger opening and molded handle.

YOUR PRICE, Each............$1.25

Knight 5 TUBE AC-DC

LATEST 1938 2 BAND MODEL

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 unbeatable low price. Features you can't find in sets costing twice as much—here are the reasons the Knight 5 is the compact value supreme.

- New "Quick-Touch" Dial. The quick, easy way of tuning your favorite local stations. Just put your finger on 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 100 meters for thrilling Police Calls, Amateur and Airplane signals; and 180 to 350 meters for strong, reliable Standard Broadcast American and Canadian stations.
- Extreme Variability. 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. As 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: 666 as R.F., 66L as Det., 2SL4 as Beam Power Output; 25L5 as Rectifier; 1L49C as Ballast. This efficient circuit develops full 2 watts output. The 2SL4 tube provides full-strength reception on both standard Broadcast and Short Wave bands. Other new circuit features are full-sized 5 tube dynamic speaker which provides full, rich, tone-unusual for AC-DC receivers of this size; Line-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 chassis design, forming the two-circle front base finish. Measurements: 11¼"x9½"x5½".

A wonderful AC-DC radio value...

B10502, Retail Value, $17.95...

Your Price, Each $11.45...

Your Price, Lots of 3, Each............$10.85
**OUTSTANDING AC-DC RADIO VALUES!**

**R.C.A. & HAZELTINE LICENSED**

**7 TUBE AC-DC SUPERHET**

**AN Amazing 3 BAND RADIO VALUE**

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 sensational low price; attractively designed cabinet makes the Knight 7 "at home" anywhere.

- **Full Bands.** Continuous All-Wave reception is yours with the Knight AC-DC 7 Superhet. Tunes to 55 meters for foreign and domestic Short Wave programs; 35 to 185 meters for Police, Airplane, Airway signals; and 185 to 560 meters for powerful, enjoyable reception of standard Broadcaster 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.
- **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 Hazeletine. High efficiency tubes are used as follows: 6A7 as Det.-Osc.; 606 as I.F. Amp.; 75 as 2nd Det.-A.V.C.-1st Audio; 25L6 as Beam Power Output; 25Z3 as Rectifier; L49C as Ballast; and 605 as Electric Eye. Has extra-tube efficiency! 25L6 Beam Power Output stage develops full watts output, making the Knight 7 an exceptionally powerful AC-DC performer. Other outstanding features include: S' dynamic speaker, capable of handling all programs with vivid, likeable 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, 60 cycle, A.C. or DC outlet; and may also be operated from 220 Volts, 40 to 60 cycles, A.C. 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, and the graceful roll-top. Tastefully shaped grille with cut-outs stripes conforms pleasantly to the design. Knight 7, 17" x 16" x 47" M.F.
- **Set Complete.** The new Knight 7 Tube 3-Band Superhet for 110 Volt A.C. or DC, 40-60 cycles, complete with Raytheon tubes. Ships weight, 11 lbs. Code: ENTRY. B10508. Retail Value, $25.00. NET PRICE EACH, $11.38. YOUR PRICE, LOTS OF 3, EACH B9145. 220 Volt Adapter for above Set. NET $ .60c

**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 feature.

- **Two Band Reception.** Tune two full bands powerfully and enjoyably for Short Wave and Medium Wave as well as all standard Broadcast programs. Range covers 75-550 meters for Amateur, Police and Police coast, 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, 60-60 cycles Alternating or Direct current is available. Simply plug into your 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 in 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 in the foundation of the Knight 5 Tube radio's brilliant performance. Tubes are properly chosen for greatest power and efficiency: 6G6 as R.F. Det.-Osc.; 25L6 Beam Power Output; 25Z3 as Rectifier; and L49C as Ballast. Full 3 watts output—marvelously 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 safeguards to eliminate plugging-in accidents.
- **Handsome Portable Cabinet.** The Knight 5 is offered in a newly designed cabinet that pleases the eye and provides proper acoustical backing. Has shallow 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 volt, 60 cycle, A.C. or DC. Complete with 5' speaker and Raytheon tubes. Size: 11½ x 5½ x 6½ inches. Shpg. wt.: 12 lbs. Order several of these sets—use them as demonstrators. They'll bring you fast repeat sales. Code: VE125. B10505. Retail Value, $12.00. NET PRICE EACH, $10.45. YOUR PRICE, LOTS OF 3, EACH B9145. 220 Volt Adapter. NET $ .60c
Knight 5 TUBE A.C. SUPERHET
in new Bakelite Cabinet

- 175-350 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 quality 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, office, and living room and office use. It will not only please in performance and beauty to any interior, 175 to 350 Meters are covered powerfully and dependably, bringing in standard Broadcast and police-call reception clearly and faithfully.

- Beautiful Airplane Dial. Newest pillow-shaped; 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: 2x3½".

- Latest Features. The Knight A.C. 5 has full A.C. action to assure intense, full-scaled electro-dynamic speaker with fine volume-handling capacity and excellent tonal response; special high-gain grid; genuine 100% silk 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 Radiohoss (tuning for operation on 110 volts, 60 cycles, A.C. Ship wt. 11 lbs.)

B10533, Black. List: $7.50. NET EACH, $5.95.
B10534, White. List: $9.95. NET EACH, $7.64.

RCA AND HAZELTINE LICENSED

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 11½x5½x12½.

Knight 6 TUBE 2 BAND A.C. SUPERHET

- 3 BAND UTILITY
- WITH ELECTRICAL EYE
- TONE CONTROL
- FULL A.V.C. ACTION
- 6° DYNAMIC SPEAKER
- LARGE 4½ DIAMETER SPEAKER
- 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 receiver that everyone can afford!

- Tunes 2 Full Bands. 3-Band Reception! The Knight 6 tunes from 470 to 1100 in Short Wave Police, Aviation, and Amateur 'phone, as well as fascinating foreign reception on any available wave length. The 5 Wave Band covers 175 to 350 in the upper Police channel and all American and Canadian Broadcast stations, plus V.H.F. and S.H.F. bands on 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 narrow, you turn the volume up and there's your station—perfectly tuned!

- Esquella 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 rare clarity. You'll thrill to this amazing tone quality of the 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 electrical setting or tone.

- New Extra-Power Superhet Circuit. Licensed by R.C.A. and Hazeltine, developed by Hazeltine Engineers. Latest tubes used are: 6A7 as Mod.-Occ.; 6DJ as A.V.C.; 75A as Ins.-Occ.; 5Q5 as Output; 60 as Rectifier; and 6GS is Electric Eye—selected tubes only. 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 Cycle operation. Code: GLEAM.

Shipped w/t. $13.50.
B10560, Retail Value, $17.00. NET EACH, $12.95.

YOUR PRICE.
LOTS OF 3, EACH.

$17.00

R. C. A. & HAZELTINE LICENSED

BLACK PLASTIC MODEL

$12.45

EACH, IN LOTS OF 3.

$13.95

NET EACH, $9.95.

LOTS OF 3, EACH.

$17.00

NET EACH, $11.50.
Knight 8 TUBE AC-DC 3 BAND SUPERHET

Incomparable beauty—luxurious tone—unmatched 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 unexcelled, 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 173 to 175 meters for enjoyable foreign and domestic Short Wave programs; and 175 to 310 meters for powerful American and Canadian standard broadcast reception.

* Every band is alive with fascinating programs.

* Superb Tone Quality. The 6J8 speaker in the table model and the 85 speaker in the console bring vivid, accurate reproduction of all programs—just as they are broadcast! Clear, flawless power is developed by the new 215L6 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 a fully-illuminated, clearly legible dial. Measuring 8½" in the table model and 11" in the console, the 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-tone" tuning. Keep the volume down while tuning until the dark portion of the Eye is narrowed—then turn up the volume and let the program roll in—singly, perfectly.

R.C.A. & Hazeltine Licensed

A SMASHING RADIO VALUE-FEATURES GALLORE!

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

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 overtop back enhances the smart 1938 appearance of the Knight 8.

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. The simple but handsome appearance is immediately evident with the shaped and fluted side pilasters. A beautifully figured, tasteful grille cloth is used behind the shaped walnut grille openings. Measures 37⅞ high; 18¾ wide; 10 deep. The chassis is exactly the same as in the table model, with the exception that the dial is 6⅞" and the speaker diameter 8½". 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 rich sound, the magnificent depth of tone which this console radio, using adequate baffle area, provides. To see and hear the Knight 8 AC-DC to experience the peak of modern radio enjoyment—It will add charm and dignity to any setting, thrilling entertainment to any home.

KNIGHT 8 TUBE AC-DC CONSOLE MODEL

BEAUTIFUL CHAIRSIDE MODEL
The 1938 Knight 8 Chairside Model offers the utmost in comfort, price and beauty when placed next to a sofa or easy chair. Cabinet has top and sides of one-piece vertically-grained 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 chair is the same as in the Knight table model described above; 8½" speaker, AC-DC, R.C.A. & Hazeltine licensed circuit; 604C great colored dial; 6SH8 dynamic speaker; Electric Eye, full Automatic Volume Control; Continuously Variable Tone Control; 215L6 Beam Power Output Tube, etc. Measures 26 high; 13¼ long; 16¾ deep. The Knight 8 AC-DC All-Wave Superhet Model is offered with this Model in the shape of a speaker and Raytheon tubes. For 110 volts, AC or DC, 50-60 cycles. Shipped wt. 41 lbs. Code: HEART.

$25.95
EACH, IN LOTS OF 3

(For efficient serial, see p. 99.)
WITH THE EXCLUSIVE NEW BASS INTENSIFIER CONTROL

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

$25.95

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, too. Because it's actually one of the finest 7 tube model 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 Quality. A noteworthy feature of this new receiver is its unusually life-like tonal quality. A full 6½" Dynamic Speaker, personal Tone Control, and new exclusive "Base Intensifier" bring you "Broadcast Studio" reproduction of every program. Every note, every sound is brought to you vividly, full-bodied, and clearly. The "Base 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.

• New Easy-to-Tune Dial. New full-visibility, pillow-shaped airplane dial measures 6½" x 7½", 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. Front is enriched with a beautiful band of walnut edging. The four cabinet and hand-crafted and highly polished to a gleaming finish. Size: 19" x 11½" x 16 in depth. Includes the bookshelf, table, or desk.

• Set Complete. The Knight 7 Tube 3 Band A.C. Superhet is supplied complete with Raytheon tubes and full 6½" dynamic speaker. For operation from 110 volts, 60 cy- cles A.C. Shipping weight: 29lbs. Code: STATE: 810556. Retail Value: $75.00. YOUR PRICE EACH, $72.45. THREE... 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 against our numberless other receivers—and how ALLIED can do it. The 1938 Knight 5 Tube A.C. Superhet is the features of the 1937 Model 1160. 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 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 5½" x 4½". 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.-Amp; 626 as I.F. Amp. 76 as Diode Det-Amp; 6A2 as 1st Audio; 42 as Power Output; 69 as Rectifier; 623 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 tuning gap or skips from 16 to 51 meters. The 16-51 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 twist of the dial of this amazing new Knight brings the whole world of radio into your home.

• New Easy-to-Tune Dial. New full-visibility, pillow-shaped airplane dial measures 6½" x 7½", 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. Front is enriched with a beautiful band of walnut edging. The four cabinet and hand-crafted and highly polished to a gleaming finish. Size: 19" x 11½" x 16 in depth. Includes the bookshelf, table, or desk.

• Set Complete. The Knight 7 Tube 3 Band A.C. Superhet is supplied complete with Ray- theon tubes and full 6½" dynamic speaker. For operation from 110 volts, 60 cy- cles A.C. Shipping weight: 29lbs. Code: STATE: 810556. Retail Value: $75.00. YOUR PRICE EACH, $72.45. THREE... 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 against our numberless other receivers—and how ALLIED can do it. The 1938 Knight 5 Tube A.C. Superhet is the features of the 1937 Model 1160. 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 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 5½" x 4½". 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.-Amp; 626 as I.F. Amp. 76 as Diode Det-Amp; 6A2 as 1st Audio; 42 as Power Output; 69 as Rectifier; 623 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 tuning gap or skips from 16 to 51 meters. The 16-51 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 twist of the dial of this amazing new Knight brings the whole world of radio into your home.

• New Easy-to-Tune Dial. New full-visibility, pillow-shaped airplane dial measures 6½" x 7½", 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. Front is enriched with a beautiful band of walnut edging. The four cabinet and hand-crafted and highly polished to a gleaming finish. Size: 19" x 11½" x 16 in depth. Includes the bookshelf, table, or desk.

• Set Complete. The Knight 7 Tube 3 Band A.C. Superhet is supplied complete with Ray- theon tubes and full 6½" dynamic speaker. For operation from 110 volts, 60 cy- cles A.C. Shipping weight: 29lbs. Code: STATE: 810556. Retail Value: $75.00. YOUR PRICE EACH, $72.45. THREE... LOTS OF 3 EACH... $25.95
Knight 6 TUBE 3 BAND A. C. SUPERHET

Now you can enjoy Automatic Push-Button tuning in a table model receiver 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 3 - Band Superhet brings advanced Control Radio performance at a price any one can afford. We invite you to compare the Knight 6 with other makes before you know this new receiver out of the store with them.

- **Automatic Dial.** The amazing new Selectronic Dial, new 10" Slide-Rule scale, and Electronic Eye - combine to provide the utmost in tuning convenience. The Selectronic Dial consists of 7 push-buttons & stations buttons and 1 station "clear." Just push a button - there's your station! Tunes right on the head every time! Selectronic Tuning is instantly simple. The six selected stations are set once by easily adjustable trimmer condensers and will operate thereafter without further adjustment. Provision is made for inserting the desired stations 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, washable kind of dial. Each scale is of equal length - stations are spaced out for quick legibility. 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: 6AS as Det.; 6SQ as I.F. Amp.; 607 as 2nd Det. A.R.C.; 1st Audio.; 41 as Power Output; and 80 as Rectifier and 6GS 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; dual full-range tuned condenser for greater selectivity; switchable trimmer coils for maximum sensitivity, etc.

- **All-Wave, World-Wide Reception.** Travel the airwaves from your easy chair. Tuning range from 10 to 560 meters leaves no gaps. Tunes 17-35 meters for Short Wave foreign and domestic stations; 53-183 meters for Ship-at-Sea, Airplanes, Amateurs and Police Calls; and 183-540 meters for unusually dependa-constant Broadcast American and Canadian reception. Every band is clear with this instrument.

- **Rich, Vital Tunes.** Enjoy the like-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 0.5 watts dynamic speaker. Adequate激起 area brings you all the nuances added overtones.

- **Ultra-Modern Table Cabinet.** A most appropriate companion to this ultra-modern receiver. A gorgeous creation with walnut top and sides. Frost panel and left side of one-piece horizontally-stripped walnut with matching "roll" effect. Streamlined protruding speaker grille lowers. Contrasting button-down, entirely cabi-net, rubbed to a piano finish. Here's a cabinet to be proud of! Radio worth loving about.

- **3rd 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 channel and interesting, 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: 6AS as Det.; 6SQ as I.F. Amp.; 75 as Det. A.R.C.; 41 as Audio.; 41 as Power Output; and 80 as Rectifier. 3 tubes do the work of 7.

- **Striking Tone Quality.** Latest heavy-duty 6" dynamic speaker is a new development, providing a realistic acoustical response. Enjoyable realism of tone is further achieved through personal Tone Control which permits accentuation of bass or treble. Volume level, too, is constant and 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. Chiseled in kilograms on Broadcast band, in megahertz on Short Wave band. Dial is full-visibility type and is exceptionally attractive.

- **Set Complete.** The Knight 6 is offered complete in table cabinet with 6" speaker and R.C.A. tubes. For 110 volts, 60 cycles A.C.

- **Unusually Attractive Cabinet.** Gracefully proportioned, this cabinet is "correct" for any interior. Choice walnut woods are used throughout. Hickory low-effect at sides and top, horizontally-grained front panel, and graceful, curved base mount. Horizantal grille bars and single all-around routing line enhance the appearance. Dimensions: 14×5½×7½ inches. This truly beautiful table model radio will add distinction to any home background and give splendid performance.

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 complete with speaker and Raytheon tubes. For 110 volts, 60 cycles A.C. Shipping weight: 22 pounds.

- **3 Band Efficiency.**
- **With Tone Control.**
- **3 Watts Output.**
- **Full A.V.C. Action.**
- **4½" Airplane Dial.**
- **6 Dyn. Dynamic Speaker.**

Code: HOUSE

PUSH-BUTTON

$27.35

IN LOTS

OF 3

WITH THE NEW 1938

KNIGHTS

R.C.A. & HAZELTINE LICENSED

109516, Retail Value $59.95. NET PRICE EACH $27.35.

FOR CHANCE VOLUME, SEE PAGE 99.
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, skilful 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 his 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.

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 beauty and balance of every KNIGHT Radio is matched by the latest cabinets designed to give the finest, genuinely hand-crafted appearance with master-built construction. The 1938 KNIGHT Radios demonstrate again that only ALLIED can offer the finest quality receivers 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 is in 1938 radios. Combined with 9 slide-rule tuning scale for perfect tuning.


3. Automatic Frequency Control. For the first time at popular prices. Shape your program into perfect focus—you can't tune it out with a button.

4. New Full-Selected Speakers. Latest powerful electro-dynamics in AC and 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.


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 are tuned the whole wide world—powerfully, dependably, with full tuning ease. KNIGHT 3-Band Radios bring you fascinating entertainment.


**TO HELP YOU SELL KNIGHT RADIOS**

Sell more KNIGHT Radios with the attractive and effective Retail Sales Folder. Write for ample 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 on nominal cost. Make big profits with 1938 KNIGHT Quality Radios.

**NOTE:** Practically every KNIGHT AC Radio is available with special transformer equipment for 95, 230, 250, 660 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 141 for handy table of express rates or consult your local express agencies.

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**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 and workmanship over a period of three months from date of purchase.

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**ALLIED RADIO CORP.**
The 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 Selecto-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 button. 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: Band coverage from 16 to 350 Meters; Automatic Selecto-Dial; Electric Eye; Automatic Volume Control; Tone Control; 7 Watt Output; 12" Dynamic Speaker; Proselector; 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 1/2" x 9 1/4" x 8". Supplied complete with full 12" Electro-dynamic speaker and R.C.A. tubes. Automatic Selecto-Dial mechanism and each channel (8" diameter) are included. For operation from 110 volts, 60 cycles A.C. Shpg. wt. 32 lbs. 

**B10568**

Net Price Each $32.25

Lots of 10 Each...

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

**R.C.A. & HAZELTINE LICENSED**

**$33.25**

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.

* Giant New Dial. In addition to true Automatic Tuning, the 1938 Knight 8 has a regular large 6 1/2"-inch full-vision illuminated instrument 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 plain 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.

* Superb Circuit. A brilliantly engineered 1938 R.C.A. and Hazeltine licensed circuit is used in the Knight 8. The following tubes are employed: 6AK5 as Dec. Mod.; 6K7G as I.F. Amp.; 7Q7G as Det. A.V.C. 1st Audio; 6QG6 as Phono-Aerial; 6G6V-A as push-pull Audio Output; 5V4G as Rectifier; 6G5 as 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. Preselector—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-foamed 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. Grooves are gracefully curved, and attractive stands in beaded overlay effect. Size: 22" long, 11 1/2" high, 9 3/8" deep.
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, horizontally-stripped. The tops of the pilasters and sides have attractive molded trim in the modern vogue. The entire console is hand-rubbed to a lustrous piano finish. Measures 40" high, 25 3/4" wide, 12" deep. Here is one of the most successful and beautiful console designs ever built. In beauty of woods used, in superb proportion, in top 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 uncanny 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 magnificent 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; Preslector; 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 Superheter 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.

PRICE, 

$44.95

(For efficient aerial, see page 99.)

Just dial your Station!

Smart New
CHAIRSIDE MODEL

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 true comfort, convenience and grace. The dial and controls are set right in the table top to provide the utmost in 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 in a most attractive design. Speaker grille face of graceful design are provided to hold books, pottery, smoking accessories, etc. The design of this Armchair model also lends itself pleasing use as a commodore-piece against a wall. The size is: 23" high, 20 3/4" wide, 17 3/4" deep. The Knight 8 Armchair Model is complete with all of the features found in the table, chassis, and console models. Incl.—Automatic Select-o-Dial for quick, easy and accurate tuning; World-wide Range for enjoyable radio reception on three full bands from 16 to 550 meters; Electric Eye for correct aural tuning ease and accuracy; Tone Control for personal accentuation of tone character desired; A.V.C., for uniform volume maintenance; 2 Watts Output; Preslector, 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 5" inch speaker. For operation on 110 volts, 60 cycles, A.C. Shpg. wt., 32 lbs.

PRICE, 

$47.50
**Knight**

**11-TUBE ALL-WAVE A.C. SUPERHET**

Music, lovers who want the best in tonal range, the full-fledged and beautiful sound, the Knight 11 Tube All-Wave is the instrument for you. It is a genuine world-wide band receiver, and it is the instrument par excellence for the woman who is interested in the highest musical and vocal experience. The Knight 11 Tube All-Wave is the instrument that is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**Electric Tuning**

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

Here is the brilliant new Knight All-Wave 11—the radio leader for 1938! Here is the instrument that is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**RECORDED TONE-QUALITY**

- Recessed cabinet creation with top, front of frequency put;
- AFC for maximum performance;

And anyone can vowed which can provided 'ded which can bring the highest quality to the instrument.

**NET WORLD-WIDE RECESSION**

Here is the complete new and advantageous radio feature for the future. Here is the complete new and advantageous radio feature for the future. Here is the complete new and advantageous radio feature for the future.

**AUTOMATIC FREQUENCY CONTROL**

- Found only in the finest 1938 radio receivers;
- Circuit shifts the Knight 11 automatically into perfect tuning for absolutely perfect tone quality; and it is perfectly precise tune. With Automatic Electric Tuning and AFC, you simply can't tune out.

**A CIRCUIT OF MATCHLESS EFFICIENCY**

The latest tubes are used for maximum performance in the R.C.A. and Hazeltine licensed circuits of the Knight 11. The circuitry is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**TUNES THE WORLD**

The 1938 Knight 11 is one of the most powerful and far-reaching Superhet radios ever developed. The circuit is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**KINNet 11 TUBE CHASSIS**

The 1938 Knight 11 is one of the most powerful and far-reaching Superhet radios ever developed. The circuit is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**BROADCAST STUDIO TONE**

- Perfect tuning—perfect broadcast studio tone is a constant feature of the performance of the 1938 Knight 11. Everything 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 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 1938 Knight 11. The latest tubes are used for maximum performance in the R.C.A. and Hazeltine licensed circuits of the Knight 11. The circuitry is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**ADDITIONAL FEATURES**

- Triple-filtering and Variable Tone Control; 12" Speaker;
- Select-o-Matic Stage; 3-gang condenser; 7 watts output; etc.
- Full-size; an inch wide; 1½ deep; 1½" high. Complete with Automatic Toning and dial mechanisms; 12" speaker and R.C.A. tubes. For 110 volts, 60 cycles. A.C. Shipment, 8 lb. weight.

Code: ADORN

**110 in a lot of 3**

**$54.95**

**$42.45**

**Net Price Each**

**NET PRICE EACH, IN LOTS OF 3**

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

**For efficient serial, see listing on page 92.**

**11 TUBE PHONO COMBINATION**

For music lovers who want the best in tonal range, the 11-Tube Phono Combination is offered in a new radio-phono combination. This distinguished instrument, equipped with Phonola automatic record changer, offers the 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. The reproduction of records is matched to match the Knight 11 All-Wave performance. The 11-Tube Phono Combination includes all the features described above—Electric Push Button Tuning; Time controls; A.V.C.; Band Coverage. A.V.C.; Three Band Coverage; A.V.C.; Triple Filtering; Preselector Stage. It is the instrument par excellence for the woman who is interested in the highest musical and vocal experience. The Knight 11 Phono Combination is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**BROADCAST STUDIO TONE**

Perfect tuning—perfect broadcast studio tone is a constant feature of the performance of the 1938 Knight 11. Everything 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 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 1938 Knight 11. The latest tubes are used for maximum performance in the R.C.A. and Hazeltine licensed circuits of the Knight 11. The circuitry is designed to meet the needs of the musical world, and it is the instrument that is designed to meet the needs of the musical world.

**ADDITIONAL FEATURES**

- Triple-filtering and Variable Tone Control; 12" Speaker;
- Select-o-Matic Stage; 3-gang condenser; 7 watts output; etc.
- Full-size; an inch wide; 1½ deep; 1½" high. Complete with Automatic Toning and dial mechanisms; 12" speaker and R.C.A. tubes. For 110 volts, 60 cycles. A.C. Shipment, 8 lb. weight.

Code: ADORN

**110 in a lot of 3**

**$54.95**

**$42.45**

**Net Price Each**

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

**For efficient serial, see listing on page 92.**
**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 entertainment. It can be placed next to chair or sofa and tuned in comfort and ease. Here are these outstanding features:

- **2 Full Bands.** Tunes 47 to 130 Meters for the most popular Short Wave programs; includes the popular 49 meters for all tuned. Covers 174 to 550 Kilocycles for full and Canadian standard Broadcast. You actually get the advantage of three band reception on these two bands.
- **Electric Eye.** The accurate cathode-ray Tuning Eye is used in the Knight 6. A pattern or trace of the tuning; when the shaded portion of the Eye is narrowest, you are tuned in perfectly. Noisy or inaccurate tuning.
- **1 3/4 Inch Dial.** Latest edge-lighted type. Easy to tune. Shows two easy-to-read scales—out-calibrated in kilocycles for Broadcast, the other marked in megacycles for Short Wave. Popular Short Wave channels are clearly indicated.
- **5 Dynamic Speaker.** Full-sized, high quality tube. Rated for faithful response and fine volume-handling capacity. Reads both voice and music with astonishing fidelity. Handles the largest watts output of any circuit in the market with enjoyable fullness and depth.
- **Tone Control.** Continuously variable Tone Control is used in the Knight 6. Permits emphasis of base or treble response to suit personal hearing. Adds considerable depth 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, 74, 80, 6G5. Other features include: Automatic Volume Control; 6 tuned circuits; rubber-floated tuning condenser; a perfect feature.

The Knight 6 Armchair Model is complete as illustrated with 6-inch dynamic speaker and R.C.A. tubes. For 110 volts, 60 cycles A.C. Shrink wrt. 32 lbs. Code: ROBIN.

**B10570.** Retail Value, $39.95.
**NET PRICE EACH, $27.75**
**NET PRICE, LOTS OF 3, EACH.**

(See page 6 for more detailed description of the 1938 Knight 4.)

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**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 offered today. Broadcast reception is complete. The Knight 7 is housed in a beautifully finished walnut cabinet. The instrument panel and grille are of white grained walnut. The crystal design is exquisite. The new American Superhet 7 for Short Wave police, amateur, and police work is an outstanding example of this full range performance. The Knight 7 is a complete Superhet for 110 volt, 60 cycle A.C. Shrink wrt. 42 lbs. Code: BRAND.

**B10572.** Retail Value, $47.50.
**NET PRICE, LOTS OF 3, EACH.**

(See inside back cover for more detailed description.)

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**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 comfort and tuning luxury. The ideal chair-side radio model offered for the first time at an incredibly low price. Knight 9 is housed in a beautifully finished cabinet. The instrument panel and grille are of white grained walnut; the crystal design is exquisite. The new American Superhet 9 for Short Wave police, amateur, and police work is an outstanding example of this full range performance. The Knight 9 Armchair Model is complete as illustrated with 10-inch dynamic speaker and R.C.A. tubes. For 110 volt, 60 cycle A.C. Shrink wrt. 55 lbs. Code: GLOBE.

**B10515.** Retail Value, $54.50.
**NET PRICE EACH, $43.25**
**NET PRICE, LOTS OF 3, EACH.**

(See page 160 for more detailed description of the 1938 Knight 9.)
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, hotter heating 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.

### STANDARD GLASS TYPE TUBES

<table>
<thead>
<tr>
<th>Type No.</th>
<th>List NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>00A</td>
<td>2.25 1.22</td>
</tr>
<tr>
<td>00B</td>
<td>2.50 1.21</td>
</tr>
<tr>
<td>01A</td>
<td>2.75 1.41</td>
</tr>
<tr>
<td>01C</td>
<td>3.00 1.50</td>
</tr>
<tr>
<td>01D</td>
<td>3.50 1.50</td>
</tr>
<tr>
<td>02A</td>
<td>2.50 1.20</td>
</tr>
<tr>
<td>02B</td>
<td>2.75 1.10</td>
</tr>
<tr>
<td>02C</td>
<td>3.00 1.05</td>
</tr>
<tr>
<td>03A</td>
<td>2.50 1.20</td>
</tr>
<tr>
<td>03B</td>
<td>2.75 1.10</td>
</tr>
<tr>
<td>03C</td>
<td>3.00 1.05</td>
</tr>
</tbody>
</table>

### ALL-METAL TYPE TUBES

<table>
<thead>
<tr>
<th>Type No.</th>
<th>List NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>5T4</td>
<td>25.00 1.35</td>
</tr>
<tr>
<td>5W4</td>
<td>10.00 1.50</td>
</tr>
<tr>
<td>5Z4</td>
<td>20.00 1.08</td>
</tr>
<tr>
<td>54B</td>
<td>12.00 1.00</td>
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</tbody>
</table>

### OCTAL BASE GLASS TUBES

<table>
<thead>
<tr>
<th>Type No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6A4</td>
<td>1.25 0.68</td>
</tr>
</tbody>
</table>

### R388. METAL TUBE CHARACTERISTICS BOOKLET

Contains valuable information, including pin arrangement, covering new metal tubes.

### OCTAL VALVE TYPES

<table>
<thead>
<tr>
<th>Type No.</th>
<th>List NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>6C5</td>
<td>1.25 0.68</td>
</tr>
</tbody>
</table>

### TUBE TEST STICKERS

A roll of 2,000 perforated perforations for 1/4" wide X 1/2" long with a 202 address. Mark date and tube condition. Print your name plainly on order.

### TUBE TUBE SALES AIDS

- **B391. DUMMY CARTONS.** 25 R.C.A. glass tube cartons free with tube order.
- **B392. DECALCOMANIA.** 3 color window cards 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. Q. & A. TAGE.** For completed repair labor. 10 free with order for R.C.A. tubes.

### R.C.A. TUBE MANUAL

- **B395. Complete technical dope for all R.C.A. tubes in one place.** Free with order for 25 R.C.A. tubes or, if bought separately, $2.25.

### R.C.A. PINDEX

- **B396. Pocket size rule which gives essential information about tubes, pins, etc.** Free with order for 25 R.C.A. tubes, or sold for $2.25.
RAYTHEON RADIO TUBES

RAYTHEON shows you the way to bigger tube profits. Handle this moneymaking 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!

LOW PRICES • LIBERAL DISCOUNTS

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%. In quantities of 100 or more, we will quote even better prices. Ask your Allied salesman for details.

ALL STANDARD GLASS TYPE TUBES

<table>
<thead>
<tr>
<th>Type</th>
<th>No.</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>00A</td>
<td>B400</td>
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<tr>
<td>01A</td>
<td>B491</td>
<td>1.75</td>
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<tr>
<td>1A4</td>
<td>B465</td>
<td>1.75</td>
<td>0.92</td>
</tr>
<tr>
<td>1A6</td>
<td>B451</td>
<td>1.75</td>
<td>0.92</td>
</tr>
<tr>
<td>1B4</td>
<td>B462</td>
<td>2.25</td>
<td>1.18</td>
</tr>
<tr>
<td>1B5</td>
<td>B463</td>
<td>2.25</td>
<td>0.65</td>
</tr>
<tr>
<td>1C6</td>
<td>B464</td>
<td>1.75</td>
<td>0.92</td>
</tr>
<tr>
<td>1F6</td>
<td>B466</td>
<td>2.25</td>
<td>1.18</td>
</tr>
<tr>
<td>1V</td>
<td>B403</td>
<td>1.18</td>
<td>0.57</td>
</tr>
<tr>
<td>2A3</td>
<td>B467</td>
<td>2.50</td>
<td>1.30</td>
</tr>
<tr>
<td>2A5</td>
<td>B468</td>
<td>1.20</td>
<td>0.62</td>
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<tr>
<td>2A6</td>
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<td>0.62</td>
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<td>2A7</td>
<td>B470</td>
<td>1.50</td>
<td>0.78</td>
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<tr>
<td>2B7</td>
<td>B471</td>
<td>1.60</td>
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<tr>
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<td>0.78</td>
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<td>573</td>
<td>B472</td>
<td>1.18</td>
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</tr>
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<td>6A3</td>
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<td>0.78</td>
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<td>6A6</td>
<td>B457</td>
<td>1.75</td>
<td>0.92</td>
</tr>
<tr>
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<td>B477</td>
<td>2.25</td>
<td>1.18</td>
</tr>
<tr>
<td>6B6</td>
<td>B478</td>
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<td>1.18</td>
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<tr>
<td>6C6</td>
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</tr>
<tr>
<td>6D6</td>
<td>B480</td>
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<td>0.62</td>
</tr>
</tbody>
</table>

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 types, repair tickets, etc. Get these sales-stimulating aids and put them to work helping you for your sale. 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. For example, ask for "the fast-selling profit-building Raytheon line.

With your next tube order, ask for the free copy of complete Raytheon Sales Aids Catalog. Shows you what materials are available and how to secure them. Ask for Raytheon Sales Aids Catalog under number B995.

NEW WINDOW DISPLAYS

An unusually attractive blackboard window display measuring a full 2 feet wide by 1 1/2 feet high. Has ample space for your "specials" or messages. A great "attention-getter."

FREE. B995. With order for Raytheon tubes.

A LIVE DISPLAY

A good-looking window display which identifies you as a Raytheon dealer. Enables you to get more sales by pointing out the Raytheon's tremendous national advertising. Shows terrific man testing tubes. Has sign reading: "Raytheon Ideas. Tell "The Tale of a Salesman," Size, 2 feet wide by 6 feet high.

$89.95. With tube order.

RAYTHEON TUBE TALKS

This very valuable profit-building book was carefully prepared by the Raytheon 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 fiber cover with aluminum spiral back. Also contains the tube code sheet for practically every radio receiver. Really will help you sell Raytheon tubes because it reflects the best selling experience of thousands of radio owners. A helpful book that will pay for itself many times over.

RAY97. NET. $59.95.

DEALER PRICE CARDS

Latest handy reference dealer price list card for Raytheon tubes. Lists all Raytheon and interchangeable type tubes. Provides clear pricing and convenience for dealers. Gives Free with order for Raytheon tubes.

B998. FREE. Request on next order.
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 design which makes insertion of tube into socket space easy. Not directly interchangeable with conventional glass type tubes. We stock all types.

<table>
<thead>
<tr>
<th>Type No.</th>
<th>List No. NET</th>
<th>Type No.</th>
<th>List No. NET</th>
</tr>
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<tbody>
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<td>1.50 .78</td>
</tr>
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<td>6B7</td>
<td>2.50 .13</td>
</tr>
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<td>2.50 .13</td>
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<td>5Z4</td>
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<td>2.80 .10</td>
</tr>
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<td>6A8</td>
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<td>2.50 .13</td>
</tr>
<tr>
<td>6B8</td>
<td>1.75 .92</td>
<td>6G6</td>
<td>1.35 .92</td>
</tr>
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<td>6C5</td>
<td>1.25 .65</td>
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<td>1.35 .92</td>
</tr>
<tr>
<td>6F6</td>
<td>1.25 .65</td>
<td>6H6</td>
<td>1.25 .65</td>
</tr>
<tr>
<td>6G6</td>
<td>1.25 .65</td>
<td>6J7</td>
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</tr>
<tr>
<td>6H6</td>
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<td>6J7</td>
<td>1.50 .78</td>
</tr>
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</table>

SPECIAL MAJESTIC SHIELDED TUBES

<table>
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<th>Type No.</th>
<th>List No. NET</th>
</tr>
</thead>
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<td>2.30 .120</td>
</tr>
<tr>
<td>27S</td>
<td>1.10 .57</td>
<td>2B7T</td>
<td>2.30 .120</td>
</tr>
<tr>
<td>35S</td>
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<td>85AS</td>
<td>1.75 .92</td>
<td>2A7T</td>
<td>2.30 .120</td>
</tr>
</tbody>
</table>

NEW RAYTHEON TUBE STICKERS

The new Raytheon tube stickers for glass tubes have spaces for noting name, address, manufacturer's name, manufacturer's number, make and model of receiver. Perforated, one end is attached to set or chassis taken in for repair, and detachable end is customer receipt. B66, FREE. 50 Repair Tickets, with tube order.

REPAIR TICKETS

Consists of combination repair ticket and receipt. Contains space for name, address, and any other information required. Complete tube characteristics. B693, FREE.

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 tube designs, and complete tube characteristics. We stock all Octal types.

<table>
<thead>
<tr>
<th>Type No.</th>
<th>List No. NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>6ZG</td>
<td>1.50 .78</td>
</tr>
<tr>
<td>6XG</td>
<td>1.50 .78</td>
</tr>
<tr>
<td>6YG</td>
<td>1.50 .78</td>
</tr>
<tr>
<td>6ZG</td>
<td>1.50 .78</td>
</tr>
<tr>
<td>6ZG</td>
<td>1.50 .78</td>
</tr>
</tbody>
</table>

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. (Pack of 2000 available for $1.00. Print your name exactly as above.) B690, Pad of 100 with tube order.

Allied Radio Corporation, 833 W. Jackson Blvd., Chicago, Ill.
The popular Knight line of radio tubes has been greatly enlarged to offer the most complete selection of glass types as well as the latest new metal types. You can outdistance all competition with this popular line of superior quality tubes. They are the best set to suit your needs and dependable performance. All Knight Tubes are packed in factory-sealed cartons for complete protection. All carry the complete line of Knight Tubes in stock at all times. You can depend on Knight Tubes for real service.

**Ken-Rad**

**RADIO TUBES**

**THE DEPENDABLE TUBE LINE**

In the radio tube field, the name Ken-Rad is synonymous with dependable long life, unusual ruggedness, brilliant tone quality and full power. 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 5% and 5% off the list prices shown. For example, if the list price were $1.00 and the order amount to $25, your net price will be $2.00. Order your Ken-Rad tubes in lots of 25 or more and save big by the bulk.

### Octal Glass Types

<table>
<thead>
<tr>
<th>Type</th>
<th>No.</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>624G</td>
<td>B1100</td>
<td>$1.50</td>
<td>$0.75</td>
</tr>
<tr>
<td>6B4G</td>
<td>B1098</td>
<td>$1.25</td>
<td>$0.62</td>
</tr>
</tbody>
</table>

**METAL TYPES**

<table>
<thead>
<tr>
<th>Type</th>
<th>No.</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>2B6</td>
<td>B298</td>
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<td>$0.62</td>
</tr>
<tr>
<td>6B5</td>
<td>B598</td>
<td>$1.00</td>
<td>$0.50</td>
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</tbody>
</table>

**OCTAL GLASS TYPES**

<table>
<thead>
<tr>
<th>Type</th>
<th>No.</th>
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</tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>6B4G</td>
<td>B1098</td>
<td>$1.25</td>
<td>$0.62</td>
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</tbody>
</table>

**METAL TYPES**

<table>
<thead>
<tr>
<th>Type</th>
<th>No.</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>2B6</td>
<td>B298</td>
<td>$1.25</td>
<td>$0.62</td>
</tr>
<tr>
<td>6B5</td>
<td>B598</td>
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**TRIAD POWER TUBES**

<table>
<thead>
<tr>
<th>Type</th>
<th>No.</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>2B6</td>
<td>B298</td>
<td>$1.25</td>
<td>$0.62</td>
</tr>
<tr>
<td>6B5</td>
<td>B598</td>
<td>$1.00</td>
<td>$0.50</td>
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</tbody>
</table>

**LOWEST PRICES—HIGHEST QUALITY—BEST SERVICE**

<table>
<thead>
<tr>
<th>Type</th>
<th>No.</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>2B6</td>
<td>B298</td>
<td>$1.25</td>
<td>$0.62</td>
</tr>
<tr>
<td>6B5</td>
<td>B598</td>
<td>$1.00</td>
<td>$0.50</td>
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</tbody>
</table>

**YOUR PRICE **

**$1.25**

**YOUR PRICE **

**$1.18**

**YOUR PRICE **

**$1.18**

**YOUR PRICE **

**$1.18**

**YOUR PRICE **

**$1.18**
GENUINE EVEREADY MAZDA BULBS

GENUINE SPARTAN RADIO TUBES

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B250</td>
<td>$1.37</td>
<td>100 watts, 120 volts, A.A.</td>
</tr>
<tr>
<td>B251</td>
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<td>100 watts, 150 volts, A.A.</td>
</tr>
<tr>
<td>B252</td>
<td>$1.37</td>
<td>100 watts, 200 volts, A.A.</td>
</tr>
<tr>
<td>B253</td>
<td>$1.37</td>
<td>100 watts, 250 volts, A.A.</td>
</tr>
<tr>
<td>B254</td>
<td>$1.37</td>
<td>100 watts, 300 volts, A.A.</td>
</tr>
</tbody>
</table>

NEW KNIGHT RESISTANCE TUBES

The original Kellogg A.C. detector-amplifier unit used for control of heater and plate voltage, and many popular battery operated radio sets. For low cost, high quality detector amplifiers, call on us,

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1030</td>
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</tr>
<tr>
<td>B1031</td>
<td>250B</td>
<td>5000, 15000 cycles, 150 volts, A.A.</td>
</tr>
<tr>
<td>B1032</td>
<td>250C</td>
<td>5000, 15000 cycles, 150 volts, A.A.</td>
</tr>
<tr>
<td>B1033</td>
<td>250D</td>
<td>5000, 15000 cycles, 150 volts, A.A.</td>
</tr>
<tr>
<td>B1034</td>
<td>250E</td>
<td>5000, 15000 cycles, 150 volts, A.A.</td>
</tr>
</tbody>
</table>

DURESITE VOLTAGE-REGULATOR TUBES

Ballast type voltage control tubes, efficient and accurate. Original equipment on many standard sets.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1004</td>
<td>TYPE H20</td>
<td>For use with 5000, 15000 cycles, 150 volts, A.A.</td>
</tr>
<tr>
<td>B1005</td>
<td>TYPE H21</td>
<td>For use with 5000, 15000 cycles, 150 volts, A.A.</td>
</tr>
</tbody>
</table>

GENERAL ELECTRIC NEON GLOW LAMPS

GENUINE G.E. neon lamps. Used in many national advertising campaigns such as Westinghouse and General Electric, to build short and lasting kites. Will fill other purposes such as light for store displays, neon signs, and lamps, etc. Both electrode and continuous glow on A.C. only. Neon glow on A.D. for 105 to 120 volt A.D. operation. Feature very high efficiency.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B6454</td>
<td>6V, 20/V, 300 mA, 1000 hours, 36c</td>
</tr>
<tr>
<td>B6456</td>
<td>6V, 20/V, 300 mA, 1000 hours, 36c</td>
</tr>
</tbody>
</table>

PORECLAIN SOCKETS


<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B6459</td>
<td>3/4&quot; Base, Clear, 300 volts, 36c</td>
</tr>
<tr>
<td>B6460</td>
<td>3/4&quot; Base, Sub-base, 300 volts, 16c</td>
</tr>
</tbody>
</table>

MALLORY BIAS CELL

Designed to furnish initial bias for RF and A.C. tubes. Five values from 0 to 15 volts. Rechargeable at audio frequencies. For use with a no-current plate transformer. 1 Volt ± 0.5%. Cells may be used in series for higher bias voltage. These cells greatly eliminate distortion caused by conventional bias arrangements.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1939</td>
<td>18 volt, 30 ma, 18c</td>
</tr>
</tbody>
</table>

BIAST CELL HOLDERS

For one cell, NET $1.60
For two cells, NET $3.20
For three cells, NET $4.80
For four cells, NET $6.40

NEW AMPERE VOLTAGE REGULATORS FOR BATTERY SETS

Voltage regulators for battery sets. Specify type number and send with order. Always carry a few of these regulators for all types of voltage-regulator tubes and devices.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1007</td>
<td>TYPE 511 (10A) for D.C. circuits</td>
</tr>
<tr>
<td>B1008</td>
<td>TYPE 512 (20A) for D.C. circuits</td>
</tr>
</tbody>
</table>

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
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, Triplet, 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, Triplet, 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, Triplet, 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 Triplet, 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. Triplet, Tube, and Solar models are featured on pages 28, 31.
A "Supreme" achievement in modern tube testing is portrayed in the 502 tester. Permits fast, accurate testing of every existing or new type of tube. New "Floating Filament Return," selector switch makes possible tests of all tubes, internal or external, of filament connection locations. Only six sockets are required to handle all tube types. Direct-reading "Good-Fast," selector safe for tube tests is also used for electrolytic condenser leakage tests. Neat build provides check on electrolytic condenser leakage. New saturation factor with a 1.3. Movements (1200 ohms per volt) has nine scale ranges for external circuit tests. Meter ranges are: 0-100-500-1030-3500 ohms A.C. or D.C.; 0-200-2050-5000 volts D.C. and 0-200 microamps. Nine scales from mid-scale reading of 3.5 ohms. All meter scales are even and provide reading 0.5 ohms. This new tube tester has been designed to speed your work, either in the shop or on service calls. Tests are made while the circuit is on. Anomalies; assembly accuracy; built-in indicator for checking suspended or shorted circuits, and the like. Requires a minimum of controls for each test. Panel selector switch controls line-voltage variations. External controls or tubes using the standard scales are made extremely simple by means of the test leads for test leads. Model 502 tester is housed in a molded plastic covered case. A true blue panel has nearly embroidered markings. With complete tube chart and instructions.

For 115 volts 60 cycle, 23 lbs.
B10265.
MODEL 502 TUBE TESTER
S.I.C. TIME PAYMENTS: $5.50 down. $4.95 monthly for 10 months.

$4895

532 Z CATHODE-RAY OSCILLOSCOPE

A new inexpensive Z cathode-ray oscilloscope, similar to the Model 535 described above, does not have built-in horizontal and linear time base circuitry. Particularly suitable for use in all Amateur stations for checking modulation, radio distortion. Etc. Uses three tubes; 2 cathode-ray oscilloscope, vertical amplifier, and 1 horizontal. For 110 volts A.C. or 50-60 cycle W.C. 12 lbs. With tubes and instructions.

For 110 volts, 60 cycle, 12 lbs.
B10266. NET CASH PRICE.
S.I.C. TIME PAYMENTS: $4.00 down, $4.13 monthly for 7 months.

$29.35

MODEL 551 ANALYZER

The new Model 551 Analyzer permits fast and accurate checking of all radio circuits through the use of Supreme and 551 testers. For 110 volts A.C. or 50-60 cycle W.C. 12 lbs.

Complete with all leads, cables, adapters and full operating data.
B10268. NET CASH PRICE.
S.I.C. TIME PAYMENTS: $4.25 down, and $3.96 monthly for 10 months.

$38.17

MODEL 551 MULTIMETER

The new Supreme Model 551 Set Tester is one of the most efficient multipliers ever offered. For 110 volts A.C. or 50-60 cycle W.C. 12 lbs.

Complete with all leads, cables and full operating data.
B10269. NET CASH PRICE.
S.I.C. TIME PAYMENTS: $5.25 down and $3.75 monthly for 10 months.

$4699

 knitting instructions.
New Supreme Test Equipment

SUPREME 550 DE LUXE DIAGONOMETER
- A Complete Portable Laboratory Set
- Double-view Illuminated Meters
- Fully-detailed Analysis of Every Circuit
- Tube Tests on "Good-or-Bad" Scale
- Forty-two Multimeter Ranges
- 5 Decimal Ranges: -10 to +46 dB

A truly advanced professional service test equipment. Makes quick and accurate checks of all circuits and components; also tests every type of metal or glass tube. All measurements are made directly from the circuit's own D-coupled meters with multiple scales. These new quadrimeters, exclusive to Supreme Instruments, have large-diameter illuminated and illuminated-double-view scales for fast accurate readings. All tube tests and electronic signal leakage readings are made with direct-reading "Good-or-Bad" scales.

FORTY-TWO FUNCTIONS AND RANGES

Meters are accurately calibrated to: 0-5-10-20-30-60-150-300 A.C. or D.C. volts, or D.C. M.A.; 0-15-30-60-150-300-600-900-1500 volts, and 0-5-15-30-60-150-300-600-900-1500 volts. All measurements of resistance, volts, current, capacity, power level, etc., as well as tube and condenser tests, are read directly from the same D-coupled meters with multiple scales. These new quadrimeters, exclusive to Supreme Instruments, have large-diameter illuminated and illuminated-double-view scales for fast accurate readings. All tube tests and electronic signal leakage readings are made with direct-reading "Good-or-Bad" scales.

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 Meters
- Tests All Condensers

This new Supreme test instrument is a combination set analyzer and portable point tester. Provides complete circuit analyses of resistance, voltage and current as well as tube tests directly from the circuit. All measurements are made directly from the circuit's own D-coupled meters with multiple scales. These new quadrimeters, exclusive to Supreme Instruments, have large-diameter illuminated and illuminated-double-view scales for fast accurate readings. All tube tests and electronic signal leakage readings are made with direct-reading "Good-or-Bad" scales.

SUPREME 550 DIAGNOSCOPE

A combination of the 545 Cathody Oscilloscope and 550 Signal Generator. Provides fundamentally new features: 50-60 C.P.S. R.F. output may be used unmodulated, or modulated, for signal generators. Has built-in provision for either frequency or amplitude modulation of the signal generator. Provides complete facilities for audio alignment with the oscilloscope. This instrument may be used for any purpose, including frequency modulation of carrier waves, wave-form, voltage gain distortion tests, etc. "Saw-tooth" oscilloscope has range of 20-1000 C.P.S. and vertical deflection of 50-0000 C.P.S. Has individual controls for Signal Generator and Oscilloscope so that even when used separately, the 550 DIAGNOSCOPE is an ideal instrument for the "in-the-minute" repair shop. Complete with test leads, instructions, and tube charts. In portable oak case. For 110 volt, 60 cycle, operation.

SUPREME 550 DIAGNOSCOPE

A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathody Oscilloscope is similar in design, appearance, and operation to the 550 DIAGNOSCOPE described above but does not have the built-in signal generator. Supplied with complete instructions and necessary operating instructions. Housed in sturdy steel case. For operation on 110 volt, 60 cycle, current.

SUPREME 550 DIAGNOSCOPE

A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathody Oscilloscope is similar in design, appearance, and operation to the 550 DIAGNOSCOPE described above but does not have the built-in signal generator. Supplied with complete instructions and necessary operating instructions. Housed in sturdy steel case. For operation on 110 volt, 60 cycle, current.

SUPREME 550 DIAGNOSCOPE

A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathody Oscilloscope is similar in design, appearance, and operation to the 550 DIAGNOSCOPE described above but does not have the built-in signal generator. Supplied with complete instructions and necessary operating instructions. Housed in sturdy steel case. For operation on 110 volt, 60 cycle, current.

SUPREME 550 DIAGNOSCOPE

A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathody Oscilloscope is similar in design, appearance, and operation to the 550 DIAGNOSCOPE described above but does not have the built-in signal generator. Supplied with complete instructions and necessary operating instructions. Housed in sturdy steel case. For operation on 110 volt, 60 cycle, current.

SUPREME 550 DIAGNOSCOPE

A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathody Oscilloscope is similar in design, appearance, and operation to the 550 DIAGNOSCOPE described above but does not have the built-in signal generator. Supplied with complete instructions and necessary operating instructions. Housed in sturdy steel case. For operation on 110 volt, 60 cycle, current.

SUPREME 550 DIAGNOSCOPE

A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathody Oscilloscope is similar in design, appearance, and operation to the 550 DIAGNOSCOPE described above but does not have the built-in signal generator. Supplied with complete instructions and necessary operating instructions. Housed in sturdy steel case. For operation on 110 volt, 60 cycle, current.

SUPREME 550 DIAGNOSCOPE

A visual servicing instrument of unusual value. An absolute necessity in the modern service shop. The 545 Cathody Oscilloscope is similar in design, appearance, and operation to the 550 DIAGNOSCOPE described above but does not have the built-in signal generator. Supplied with complete instructions and necessary operating instructions. Housed in sturdy steel case. For operation on 110 volt, 60 cycle, current.


**CLOUGH-BRENLE InstrumentS**

**CRA OSCILLOGRAPH**

A precision instrument for visual checking of voltages and current problems. Laboratories, schools, etc., will find it invaluable for measurements of voltage, current, and phase. Ideal for checking all types of radio, television, and audio equipment. Horizontally and vertically amplifiers have a sensitivity of 25 R.M.S. volts per inch of deflection. Horizontal sweep rate is controlled by a switch. Complete with black crystalline-finish cabinet, 15" deep and 14.5" high. With calibrated screen and all necessary tubes. Permanently wired. 110 volt A.C. Shipped in crates. B10371.

TIME PAYMENTS: $9.00 down, $6.00 monthly for 10 months.

CASH PRICE: $77.91

**105 OSCILLOGRAPH**

A portable oscillograph designed and built around the type 12A carbon-ray tube, which will permit accurate alignment of all-wave television and the study of all radio circuits. It has a bank of additional amplifiers. Voltages are accurate to 100 cycles per second. Also available for audio tests. Can be used in a group of similar instruments. For 110 volt. 60 cycle A.C. operation. Complete with 3 tubes, cables, and instructions. In metal case. B10372.

CASH PRICE: $29.35

TIME PAYMENTS: $2.50 down, $1.32 monthly for 7 months.

**MODEL ON-A**

Similar to OCA-A, but has an added feature for use with cathode-ray oscillographs. Frequency sweep plus and minus 15 kHz. Complete with tubes, case, and instructions. For 110 volts, 60 cycle A.C. operation. B10373.

CASH PRICE: $63.21

TIME PAYMENTS: $7.00 down, $6.35 monthly for 10 months.

**110 SIGNAL GENERATOR**

Incorporates many engineering achievements not previously available. Features: 5 band calibration on 2 waves (100 kHz to 30 megacycles), air trimmer on each band, and adjustable A.C. output for automatic operation. Complete with tubes, case, and instructions. B10374.

CASH PRICE: $42.43

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 oscillograph, stores the frequency function of any signal generator. Complete with 1 tube and instruction. For 110 volt. B10368.

CASH PRICE: $35.77

TIME PAYMENTS: $4.00 down, $3.65 monthly for 10 months.

**120 SUPER ANALYZER 25,000 OHMS PER VOLT**

Specially designed so that the most selective use can be made of the scale, at the point of greatest meter accuracy. Complete with 3 tubes. B10369.

CASH PRICE: $42.63

TIME PAYMENTS: $5.50 down, $4.40 monthly for 10 months.

**WESTON TEST INSTRUMENTS**

**SUPER SENSITIVE ANALYZER MODEL 773**

Has 1/4" multi-scale meter with 10 digit division and sensitivity D'Alembert, movement, knife edge pointer. Ideal for checking all types of radio sets and transmitters. Has high sensitivity for analysis of television circuits. Complete with separate frequency ranges: 0.5-25, 25-250, 250-2500, 2500-25,000, 25,000-250,000. Complete with all necessary tubes and instructions. B10359.

CASH PRICE: $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. Complete with 5 panel sockets. Highly sensitive Weston meter gives "GOOD"-"BAD" test of all tubes, with provision for future tests. Has continuous on-off switch control, quick selection of probes, and audible noise check. In wooden case. B10361.

CASH PRICE: $53.81

**MODEL 773-2 COUNTER TUBE CHECKER**

B10352. The same checker as the 773-1, but housed in a hand-soned case. Has exclusive new Weston rapid response, rotator-type, tube chart. B10353.

NET PRICE: $58.13

**MODEL 775 COMBINATION SERVICE SET**

The Model 775 Serv-Set combines the Model 773 Tube Checker and the Model 775 Super-Sensitive Analyzer in one sturdy well-crafted case and single carrying space for tools and accessories. All of the test equipment needed on the average service call. Has attractive appearance in attractive metal case. B10354.

CASH PRICE: $104.25

**WES TOST CHECKMASTER MODEL 771-1**

A complete tube and circuit analyzer. Checks all tubes to 15 MHz. Complete with tubes, case, and instructions. For 110 volt. B10364.

CASH PRICE: $65.13

**NEW DEPENDABLE TUBE TESTER MODEL 306**

A new inexpensive tube tester designed to completely check every type of tube or circuit included in all the new metal tubes. Complete with all necessary parts, and will handle all metal and glass type tubes. Complete with all necessary parts, and will measure resistance, capacity, and short and leakage test, and also reads D.C. voltage. In attractive carrying case. A.C. and D.C. model. B10358.

CASH PRICE: $19.55

**PORTABLE MODEL KIT FORM**

B10356. 306PK. All parts, including case and panel and with hinged cover, for building Model 306 tube tester. B10365.

CASH PRICE: $17.59

**COMPLETELY WIRED**


CASH PRICE: $21.51

**ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.**
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本领neel-finished metal test panels are compact, convenient, and practical. Any Triplet Test or De Luxe Line Service instrument can be mounted on them. These panels are in the new Triplet De Luxe and Master Units assembled in the new Triplet Test Bunch Panels. Other externally attachable chokes may also be made used. A continuous panel setup may be obtained by bolting cabinets together. These Test Panels built into the set are selected to be the most useful (not all are showable). A cabinet size: 22"x12"x9" deep at top and 7¾" deep at bottom. Cabinets have handy accessory drawer.

MODEL 1602

This test panel consists of a combination of the Model 1600 2 Oscilloscope and the Model 1610 Frequency Modulation Generator. These two instruments form a complete setup for the visual study and measurement of all radio and tube circuit problems. The cathode-ray tube has a turrets-type mounting that may be rotated to direct the screen in direct alignment with the line of vision. The Signal Generator covers from 100 kHz to 30 MC in six ranges. Frequency modulation is continuously variable and its controls are separate. Generator is self-contained. The complete setup may be used with either 400 C.P.S. or 2500 C.P.S. external modulation. A versatile instrument group for the service bench that replaces a modern High-Fidelity and all-wave sets. Not panel illumination lamp. (See Net Price)

YOUR PRICE $85.91

MODEL 1603

This combination is especially designed for the service shop where the more elaborate setup of the 5 oscillators in the Model 1650 Oscilloscope-A is not available: The Model 1630 Signal Generator, the Model 1600-3 Multi-range DC Volt-Ohm-Milliampimeter, the Model 1631-A Multi-range AC Volt-Ohm-Milliampimeter. This combination of instruments is virtually a complete setup for the service engineer who can easily handle all repair work. The Model 1630 covers six bands and is calibrated within 1% of 100 kHz to 30 MC. All frequencies are fundamentals. Output may be CW, 400 C.P.S., internally or externally modulated. The complete setup is also ideal for the audio test bench or may be obtained from special panel packs. With accessories.

YOUR PRICE $86.24

MODEL 1630-D VOLT-Ohm-MILLIAMMETER

An ideal unit for the service shop where the 5 oscilloscope-A is not available. The 4-meter has extra long scale, making it easy to read even at a considerable distance. An electronic needle type pointer allows extreme accuracy of readings. The following ranges are available: 0-10-50-500-5000 volts, 10 A at 1000 volts per volt; 0-1-10-50-250-1000 volts, 10 A at 1000 volts per volt; 0-0-100-100,000,000 ohms, 10 A at 1000 ohms per volt. The 4-meter has an unusually long scale of 1500 ohms per volt. Complete with leads.

YOUR PRICE $19.60

MODEL 1631

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

YOUR PRICE $57.32

MODEL 1631 IN METAL CASE

In black wrinkle-finished metal case with leatherette case.

YOUR PRICE $55.90

26 LOWEST PRICES-HIGHEST QUALITY-BEST SERVICE
1200-A VOLT-OHM-MILLIAMMETER
2000 OHMS PER VOLT

A compact universal A.C.-D.C. Volt-Ohm-Milliammeter. With many new improvements, this instrument has been designed to meet many needs. Complete with battery. Shpg. wt., 16 lbs.
B9941. List $35.75. NET $23.35

MODEL 1200-B-2000 OHMS PER VOLT

Similar to 1200-A above, but with DC amplifier and coarse oxide rectifier. DC amplifier in use at 10 kV. Complete with battery. Shpg. wt., 14 lbs.
B9942. List $14.80. NET $28.74

MODEL 1200-C-5000 OHMS PER VOLT

Similar in appearance and design to Model 1200A, but the DC meter has a circuit resistance of 25,000 ohms per volt. Complete with battery. Shpg. wt., 10 lbs.
B9943. List $106.75. NET $26.29

MODEL 1200-E-25000 OHMS PER VOLT

Similar appearance and design as Model 1200A, but the DC meter has a circuit resistance of 25,000 ohms per volt. Complete with battery. Shpg. wt., 10 lbs.
B9944. List $57.75. NET $30.55

TUBE TESTER

MODEL 1210-A

Tests all types of tubes, metal as well as glass. Emission type designed for testing all types of tubes. Hand-drawn calibration charts for testing all types of tubes. Complete with battery. Shpg. wt., 3 lbs.
B9945. List $103.00. NET $21.56

MODEL 1210-C

Similar to 1210A, but with metal tube clamps and aluminum build. Complete with battery. Shpg. wt., 3 lbs.
B9946. List $16.50. NET $10.76

FREE-POINT TESTER

MODEL 1220-

For use with the Model 1200 Volt-Ohm-Milliammeters. Makes proper voltage tests between single tube elements, tube contacts, tube leads, and resistance tests between any type of contact or socket contacts. Complete with battery. Shpg. wt., 4 lbs.
B9954. List $5.60. NET $4.57

ALL-WAVE SIGNAL GENERATORS

MODEL 1232

A stable, accurate, direct-reading All-Wave Signal Generator of new design and sturdy construction. Large 12 inch verter dial provides excellent accuracy and accuracy in use. Complete with battery. Shpg. wt., 10 lbs.
B9957. List $8.00. NET $5.88

MODEL 1230

A stabilized, frequency-variable signal generator. Has frequency range from 100 K to 10,000 K, in 100 K steps. Hand-drawn calibration charts are supplied to each range. Complete with battery. Shpg. wt., 11 lbs.
B9947. List $25.25. NET $16.49

AUDIO FREQUENCY OSCILLATOR

MODEL 1260

The ideal instrument for testing all audio amplifiers, speakers, etc. Has all desirable features of this type of instrument. Complete with battery. Shpg. wt., 11 lbs.
B9948. List $14.50. NET $8.00

COMBINATION MASTER TEST SETS

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

MODEL 1205-A

B9951. List $78.08. NET $66.73

CASES ONLY FOR MASTER UNITS

You can make your own portable Test Equipment by using these handsome cases to house any of the Triplet Master Units.

B9954. FOR SINGLE UNITS. List $3.92. NET $2.57
B9955. FOR TWO UNITS. List $4.80. NET $3.60
B9956. FOR THREE UNITS. List $5.88. NET $4.46
B9957. FOR FOUR UNITS. List $6.80. NET $5.22

FOR ADDITIONAL ITEMS

You may get additional items to make your own portable Test Equipment. Complete list of additional items is available from your nearest Triplet dealer.

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
UNIVERSAL TEST EQUIPMENT

TRIPLITT

MODEL 1191-A PORTABLE LABORATORY TESTER

An absolutely modern tester which combines three instruments in one case for complete circuit analysis. Includes: (1) the precision Model 1181 All-Wave Oscillator for aligning all sets and for tube testing; (2) the Model 1125 Universal Volt-Ohm-Milliamp Meter for point-to-point analysis and as an output meter; (3) the Model 1160-M Free-Point 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 in all applications. Complete, in one case.

THREE GREAT TESTING SYSTEMS IN ONE

The new 1191-A Portable Laboratory Tester makes point-to-point analysis without removing the chasis from the cabinet. Quickly and accurately measures voltages, resistances and currents between any two circuit points, and resistances and voltages in any circuit.禁区

FOR ALL CIRCUITS

The 1191-A Tester is ultra-modern; it will handle all metal tube as well as all tube circuits as follows: 0-15, 75, 150, 500, 1,000, 1,500 A.C. and D.C. at 1,000 volts per volt for all ranges. Has chart for accurate compliance measurement. Ideal for use with any Model 1181 Auxiliary set tester for making point-to-point analysis. Supplied complete with battery, adapters, accessories, and instructions. Shpg. wt., 18 lbs.

B9932. List. 120.75. YOUR PRICE

$4699

1125 UNIVERSAL AC-DC VOLT-Ohm—MILLIAMMETER


B9933. List. 133.00. NET

$35.94

V. T. VOLTMETER

MODEL 1250

A laboratory Vacuum Tube Voltmeter for measuring accurate readings of A.F. voltages, and low A. C. or D.C. voltages. Useful for determining current and voltage gains or changes. A.C. and D.C. voltages, etc., Bridge circuit design gives 1-0-5, 1-0-10, and 1-0-50. Calibration is always correct. High resistance input draws negligible current from circuit under test. Ranges: 0-10, 0-100, 0-1000 volt. Panel: 11% x 7% x 2%. All-metal case. Shpg. wt., 10 lbs.

B9936. List. 81.50. NET

$46.72

CONDENSER TESTER

MODEL 1241

A precision instrument for the service engineer. Tests for shorts, opens, and dried-out condensers, and for checking leakage. Capacities are determined by a sensitive microammeter. Direct-reading type, the meter is used to obtain exact voltage readings. All A.C. and D.C. voltages to 10,000 volts. Portable and compact. Shpg. wt., 10 lbs. Metal case.

B9937. List. 41.75. YOUR PRICE

$26.95

VIBRATOR TESTER

MODEL 1670 DELUXE

This new vibrator tester checks all motors and electronic circuits. The instrument reads milliamperes and voltages. Three scale meters: 0-10 volt scale shows input voltage. 0-100 A.C. scale shows output voltage. 0-1000 A.C. scale shows output voltage. "Greatest" is used in red and olive on black background.

B9939. List. 36.00. NET

$23.52

FREE-POINT SET TESTER

MODEL 1166-A

For use with Model 1125 Volt-Ohm-Milliamp Meter. Panel contains 0-5, 0-50, 0-500, and 0-5000 ohms, low A.C. and D.C., and 0-1000 and 0-10000 A.C. and D.C. Complete with screwdriver and instructions. Shpg. wt., 10 lbs.

B9940. List. 16.50. YOUR PRICE

$10.78

MODEL 1166-A IN CASE

The Model 1166-A Free-Point Auxiliary Set Tester is described above but is enclosed in a carrying case. Makes a labor-saving instrument. Etched metal panel. Shpg. wt., 13 lbs.

B9924. List. 20.25. NET

$13.23

MAKE ALLIED YOUR RADIO SUPPLY HEADQUARTERS

28
NINE INSTRUMENTS IN ONE


TUBE TESTER

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.

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 two separate sockets and shielded side panels as on Model 1503. For 110 volts, 50-60 cycles.

MODEL 1502 POWER OUTPUT TUBE TESTER

A Power Output-Emission tube tester de luxe design similar to the Model 1502 but with the Volt-Ohm-Microammeter feature. Tests all types of glass and metal tubes under actual operating conditions for gain, output, shorts, and leakage. Meter scale reads "GOOD-BAD." In metal case as illustrated. For 110 Volts, 50-60 cycles.

MODEL 666 VOLT-OHM-MICROAMMETER


MODEL 1200 A VOLTMETER-OMETER-KIT

A complete kit of parts for service Engineers who wish to build their own. The Triplet test equipment is designed for service men who need a portable, reliable, and accurate instrument for testing electronic equipment. The kit includes: a Universal A.C.-D.C. Voltmeter, Ohmmeter, and Microammeter, all with precision-made movements. The kit also contains a special test lead and a special test terminal block. The kit is complete and ready for use.

MODEL 1404 D.C.-VOLTMETER-OMETER-KIT

A complete kit of parts for service Engineers who wish to build their own. The Triplet test equipment is designed for service men who need a portable, reliable, and accurate instrument for testing electronic equipment. The kit includes: a Universal A.C.-D.C. Voltmeter, Ohmmeter, and Microammeter, all with precision-made movements. The kit also contains a special test lead and a special test terminal block. The kit is complete and ready for use.

NEW RANGE INSTRUMENTS

740 VOLT-OMH-MICROAMMETER

A new precision Volt-Ohm-Microammeter. Uses a Triplet Model 250 square microammeter movement with accuracy of 1% on D.C. and 5% on A.C. Reading. Use 0-50-250-500-1000 ohms A.C. and D.C. at 1000 ohms per div. Solid-state triode Milliameters: 0-300-250-500-1000 ohms with back-up scale for low range having mid-scale of 250 ohms. Ohmmeter scale can be read up to 25 megohms in 120 ohm steps. Case has compartment for test leads, tools, etc. Price, 6x 1003.5%.

640 FREE-POINT TESTER

This Free-Point Tester when used with the 740 Multi-Ampere makes a truly beautiful instrument. Permits rapid analysis of circuits without the use of direct current. Features the latest and best in electrical design and the latest color. Embodies the latest improvements. Built to stand the most rigorous tests. The Latest and Best for testing tubes of all types, whether new or old type of tube, whether glass or metal. All tubes are tested under actual operating conditions.

SIGNAL GENERATOR

Supplies signals on 5 frequency bands from 110 to 20,000 cycles, all fundamentals. Plus-in and output are accurately calibrated. Gain of 0.1% on broadcast frequencies. Frequency from 0.1 to 250 cycles, 0.5% on broadcast frequencies. Provides either modulated or unmodulated signal. Stability of operation is of the highest order. All internal components are designed for years of guaranteed service. Completely shielded against static or magnetic fields. Equipped with safety relay, hold-down, and disconnect switch. Compartment on the top is a complete precision meter with a 0 to 1000 millivolt range. The unit is of the highest quality and is guaranteed for life.

CONCLUSION RANGER INSTRUMENTS

The Ranger units in the combinations shown below give you the instruments most necessary for your particular needs. They are offered to you at a substantial saving. Use them to complement your test equipment line and make your work more effective.

MODEL 735 D.C. VOLTMETER-OMETER-MICROAMMETER

A complete, handy D.C. Voltmeter-Ohmmeter-Microammeter combination for use in field or in the lab. Meter is a Triplet Design for service Engineers who wish to build their own. The Triplet test equipment is designed for service men who need a portable, reliable, and accurate instrument for testing electronic equipment. The kit includes: a Universal A.C.-D.C. Voltmeter, Ohmmeter, and Microammeter, all with precision-made movements. The kit also contains a special test lead and a special test terminal block. The kit is complete and ready for use.

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
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.

MODEL 730-A. Similar to the Readrite 720-A described above. Has precision Triplet D.U. voltmeter with 10,000 ohms per volt sensitivity. Complete with all instructions.
YOUR NET PRICE.

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, capacitance, and cathodes are also quickly measured. Break-in jacks in all tube circuits provide a means of obtaining all current and voltage measurements. Equipped with a comparator-rectifier control and unit with necessary adapters for plugging into any type tube socket. Has accurate 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 selects proper scale on A.C. or D.C. meters. D.C. ranges: 0-15-30-60-150 Volts; 0-15-30-60-150 Volts. Complete analysis may be made without removing the receiver chassis from the cabinet. In cathode circuits: 11124 to 11125, 10A.
B9901. Complete with adapters, charts, and instructions. List, $25.00. YOUR PRICE $14.70

MODEL 554-A
A completely shielded All-Wave Oscillator. Tube-modulated and battery-operated in sets on the market. Two types-one with complete coverage on the best overlapping fundamental bands, from 90-200000 K.C.; the other 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 consists of accurate frequency settings.

MODEL 557 DIRECT-READING
Similar to Model 554-A, above but with direct-reading dial. Accuracy of calibration is better than 1% on broadcast band and 2% on all high-frequency ranges. Completely shielded. Leatherette case: 12 x 5 1/4 x 5 1/2 W., 12 lbs. With tubes and batteries.
B9905. List, $31.50. NET. $18.52

READRITE ALL-WAVE SIGNAL GENERATOR
MODEL 554-A
Calibration curves are supplied for each of the five bands: 90-300, 300-1000, 1000-5000, 5000-30000, 30000-200000 K.C. Two type 30 tubes are used—one in R.F. amplifier and one as audio oscillator. A modulation "on" and "off" switch is provided. A variable attenuator on front panel increases oscillator output to full range. Circuits are thoroughly stabilized for dependable operation. Cables complete all types of tubes, receivers, broadcast, and intermediate frequencies. Housed in a sturdy ash-cast aluminum cabinet with removable hinged cover. Size 30 x 15 x 5 1/2". Batteries included.
B9904. Complete with coils, tubes and batteries.
List, $24.00. NET. $14.00

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 Triplet 221 meter with "GOOD-BAD" scale; the other is a tubes-type AC meter for determining 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 leakage and all shorts.

TESTS NEW METAL & GLASS TUBES
The new Readrite 430 Tube Tester checks all Octal base metal tubes as well as every existing glass types. Tube "GOOD-BAD" on Ohmmeter reading meter. Tests for shorts and leakage are read directly on meter. Meter is protected against damage. Connections are provided for attaching power line voltage. Replacement valve and tube leads. An additional control provides proper tube series connections. Actual tube test is made by pressing a single button. The Readrite 430 Tube Tester is attractive housed in a molded-outset case with removable cover and stained silver and black enameled panel. Ideal for either portable or counter use. Since no. 11 AC line, increase your tube life 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" test and outlet meter in place of Triplet meter. Complete with cord and plug and instructions. For 110 volt, 60 cycle AC operation.
B9906. List, $5.00. YOUR PRICE $15.00

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 obtaining simultaneous read-out, direct, relative, and voltage and currents. Includes 3% volt., battery is required for detuned continuity and resistance of all resistors, chokes, transformers, etc., without removing the radio chassis from the cabinet. Charts are provided for use in future requirements and for measuring resistance up to 140,000 ohms. Meter is accurate to within 5%. Ideal for low-priced test equipment for the small service shop. For check voltages, current, and continuity in any part 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 type tubes. The analyzer case is equipped with a small-size single-side plug and adapters to fit all sets. The three meters provide the following read-outs: 0-15-30-60-150 Volts A.C. and D.C. External plugs are provided for using these five scales separately. A position selector switch connects the meters into various parts of the circuit under test. Housed in a sturdy, attractive leatherette case. 12 x 6 1/4 x 5 1/4. Ship 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 Triplet d'Amourni PC Voltmeter instead of 5000 ohms in leatherette case. Ship wt. 11 lbs.
B9903. Complete with plug, cable, adapters, and instructions. List, $37.00. YOUR PRICE $21.76

READRITE 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, capacitance, and cathodes are also quickly measured. Break-in jacks in all tube circuits provide a means of obtaining all current and voltage measurements. Equipped with a comparator-rectifier control and unit with necessary adapters for plugging into any type tube socket. Has accurate 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 selects proper scale on A.C. or D.C. meters. D.C. ranges: 0-15-30-60-150 Volts, 0-15-30-60-150 Volts. Complete analysis may be made without removing the receiver chassis from the cabinet. In cathode circuits: 11124 to 11125, 10A.
B9901. Complete with adapters, charts, and instructions. List, $25.00. YOUR PRICE $14.70

MODEL 730-A. Similar to the Readrite 720-A described above. Has precision Triplet D.U. voltmeter with 10,000 ohms per volt sensitivity. Complete with all instructions.
YOUR NET PRICE.

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, capacitance, and cathodes are also quickly measured. Break-in jacks in all tube circuits provide a means of obtaining all current and voltage measurements. Equipped with a comparator-rectifier control and unit with necessary adapters for plugging into any type tube socket. Has accurate 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 selects proper scale on A.C. or D.C. meters. D.C. ranges: 0-15-30-60-150 Volts, 0-15-30-60-150 Volts. Complete analysis may be made without removing the receiver chassis from the cabinet. In cathode circuits: 11124 to 11125, 10A.
B9901. Complete with adapters, charts, and instructions. List, $25.00. YOUR PRICE $14.70
MODEL TV TUBE TESTER AND MULTIMETER
A tube tester designed to test all tubes including metal, metal-glass, glass tubes and all other types of tubes. It contains the exact circuits and features of the test tube under test. It contains all other features of the Model TV in addition to the voltage, current, and resistance measurements. For 110 V, 60 cycles A.C. Wt. 8 lbs. B10376. NET $27.95

MODEL OM MULTIMETER-10,000 OHMS PER VOLT
B10377. Ranges: 0-30-300-600 volts DC at 20,000 ohms per volt, and AC at 1000 ohms per volt. 0-30,000 microamperes; 0-60 MA; 0-10/60 ohms; 0-10-30 meg.; and power level scale in dB. 4" dial; 6" height; 8" width. Complete with tubes and instructions. B10367. NET $16.95

MODEL VO MULTIMETER-5000 OHMS PER VOLT
B10378. Similar to Model OM, but does not have 0-60 microammeters and 0-30 meg. ranges. Case is finished in hand-beveled black enamel. Fine rubber mounting feet. Sensitive D'Arsonval meter has special high-torque movement. Wt. 5 lbs. B10361. NET $19.95

MILLION TUBE AND CONDENSER TESTER
MODEL CP. This new edition includes the universal tester tests all tubes including the newest metal and plastic base tubes. The exact circuits of the test tube under test are clearly indicated on the萸pli**"-readout "GOOD-BAD" scale of the accurate D'Arsonval meter. New tube shown uses and leakage up to 5 meg. This same tube test can be used for testing external tasks for the measurement of resistance for checking braid and electrolytic condensers. For 110 V, 60 cycles A.C. Wt. 8 lbs. B10379. MODEL CW. Same as above, but twin bulb permits function testing of time clocks and other equipment for testing resistance, condenser leakage, etc. NET $9.95

NEW TUBE BRIDGE ANALYZER
Combines in a single precision instrument the necessary equipment for making every type of condenser and resistor test. Detectors, resistance values between 1 ohm and 1 million, as well as values of capacitance between 10 pf and 100,000 pf, and the resistance of internal paths of the bridge circuit. Complete with tube, leads and instructions. For 110 Volt, 60 cycle A.C. 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 leads are produced to reduce reading affected simultaneously in ability of the grid and plate to reduce vacuum tubes. Test all tubes now in use with ample protection in all ranges. The bulb is 3-1/2" long and 1-1/2" in diameter. B10186. Model CB-1-50. For 110 Volt, 60 cycle. B10187. Model CB-2-U. For 110-220 Volt, 50-60 cycle. NET $52.95

NEW CATHODE-RAY OSCILLOGRAPHS
MODEL 151 CATHODE-RAY OSCILLOGRAPH
Uses new 115 V one-inch cathode-ray tube. Gives you all the features of the larger instruments used in professional work for the possible price. The many tests which can be made with this instrument is due to the fine X-ray for radio service work. Sensitivity, 1.75 voles RMS per inch detection. The separate oscilloscope and vertical amplifiers. The oscilloscope is a fully-streeted, adjustable, 150% grid, with 5,000 volt, DC, at 6000 ohms per volt, 200 microvolts; 0-30-300-600 megameters: 0-20-200 milliamperes. Complete with tubes and instructions. B10168. YOUR NET PRICE $47.50

MODEL 150 ELECTRONIC SWEEP TEST OSCILLATOR
For use with an oscilloscope for visual alignment. Electronic sweep from 1 to 40 kHz wide with sweep rate of 120 times per second. Large 5" dial is directly calibrated to cover entire range of 20 to 220 KHz on fundamentals. Indirectly calibrated for elimination of intermodulation. Has two variable ratios, 1 and 10. B.P. output is 30 volts with smooth three-step attenuator. Gives 400 C.P.S., modulated or unmodulated signal. Provides 0-500 volts, DC. Complete with tubes and instructions. B10169. YOUR NET PRICE $64.50

PORTABLE STANDARD VOLT-OHM-METER

PORTABLE SIMPLEX VOLT-OHM-METER
An exceptionally compact, portable test instrument. Scale marked 0-5, 0-50, 0-500 volts, DC, and 0-10,000 ohms. 21-1/2" inches deep. Equipped with 25 inch test leads. Includes self-resting flash-light lamp. Complete with tubes and instructions. B20922. YOUR NET PRICE $3.23

PORTABLE PRECISION VOLT-OHM-METER
A pocket-size volt-ohm-meter. 3-1/8" wide, 1-3/4" deep, 4" high. Complete with tubes and instructions. NET $7.99

NEW MODEL 363 UNIVERSAL AC-DC VOLT-OHM-MILLIAMMETER
B20911. Universal AC-DC Volt-Ohm-Milliamp Meter. Ranges: 0-15, 0-50, 0-150, 0-500, and 0-1000 volts AC and DC. 0-100-1000-10000 ohms, with input power supply which works from 110 V. A.C. or D.C. 6.5-20 volts. With leads and instructions. NET $7.94

ACCURATE SOLAR CAPACITOR ANALYZER
A sensational new instrument for quickly and accurately determining the value and capacitance of any condenser between 0.01 and 70 mfd. A 0.15 V one-inch cathode-ray tube. It can be used for testing the self-contained power supply giving readings of the cathode-ray tube. The instrument is designed to test the self-contained power supply giving readings of the cathode-ray tube. B10186. Model CB-1-50. For 110 Volt, 60 cycle. B10187. Model CB-2-U. For 110-220 Volt, 50-60 cycle. NET $23.52
READRITE PANEL METERS
MODEL 55 D. C.

The popular and economical Readrite line used extensively in radio and electrical work where an efficient low-priced meter is required; accuracies obtained within 5% D.C. meters are polarized type. Requires 55 type mounting

<table>
<thead>
<tr>
<th>D. C. VOLTMETERS</th>
<th>D. C. MILLIAMMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Zero Adjustment</td>
<td>Without Zero Adjustment</td>
</tr>
<tr>
<td>B7159</td>
<td>59c</td>
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<tr>
<td>B7161</td>
<td>59c</td>
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<tr>
<td>B7163</td>
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<td>B7165</td>
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B7781 59c 1200 0-1 7782 73c 1200 0-1

B7783 59c 2400 0-1 7784 73c 2400 0-1

B7785 59c 3800 0-1 7786 73c 3800 0-1

(Model 55 A. C. Meters)

Double range repetition type, Flange type. Clamp-on flush mounting. Accuracy within 10%. No. Volts Each Milliammeters No. M. A. Each

<table>
<thead>
<tr>
<th>Voltmeters</th>
<th>Milliammeters</th>
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<tbody>
<tr>
<td>B7451</td>
<td>0-6</td>
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<td>B7452</td>
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<td>B7458</td>
<td>0-150</td>
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<td>B7459</td>
<td>0-200</td>
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Ammeters

No. Amps. Each

B7467 0-5 B7468 0-5 B7469 0-5 B7470 0-5 B7471 0-5

D. C. AMMETERS

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<tr>
<th>No.</th>
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<th>Amps.</th>
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<th>Net Each</th>
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<tr>
<td>B7472</td>
<td>59c</td>
<td>0-1</td>
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<td>B7473</td>
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<td>B7474</td>
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<td>300</td>
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<td>B7479</td>
<td>73c</td>
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</table>

65A FLANGE RING

Converts any type Readrite Model 55 meter for flush mounting 2½" flange diameter. Easy to mount. Has black finish to match babbitt mount. Leads, mounting screws and nuts. B7473. List. 9c.

YOUR PRICE ____________

OUTPUT METER MODEL 575


B7348. $4.85

MODEL 55 OUTPUT METER

Same as Model 575 above but with Trippett 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. 0-450 watts. Measures resistance and checks continuity in radio and electrical circuits. Has 3 cannal flash-light cells.

B7341. ________88c

RESISTORS

No. 503 Resistor. 1150 ohms resistance to increase No. 501 ohm resistance to 50,000 ohms when used with a 2½ Volt battery.

B7343. List. 1.15. NET. ________59c

No. 504 Resistor. 2,200 ohms, center-tapped, for use with 45 V. "B" to increase reading of No. 501 to 500,000 ohms.

B7344. With tip jacks.

List. 2.25. NET. ________1.32

B7345. ________82c

CRS COPPER OXIDE RECTIFIERS

Excellent for full-wave rectification for converting D.C. meters for A.C. use. Input 10 volts RMS; output 30 VDC. Ideal for analyzers, test panels, etc.

B2503. NET EACH. ________2.06

B2502. ________1.75

B2501. ________1.88

B50 A. C. CAPACITY

For heavy-duty service in circuits strongly in D.C. Handles A.C. of all frequencies to 300. Maximum A.C. volts: 600. Use to rectify 110 Volts A.C. for testing of D.C. dynamic speakers with 2500 to 3000 ohm fields.

YOUR PRICE ________2.50

For accurate visual tuning of modern A. C. sets. High resistance milliammeters in perfect 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 oscillographs.

B7475. 0-5 B7476. 0-10 B7477. 0-15 B7478. 0-25 B7479. 0-50 B7480. 0-100 B7481. 0-150 B7482. 0-250 B7483. 0-500 B7484. 0-1000

TUNING METERS

MODEL 121

Front or bottom illuminated type with opaque dial.

No. M. A.
B7485. 0-5 B7486. 0-10 B7487. 0-15 B7488. 0-25 B7489. 0-50 B7490. 0-100 B7491. 0-150 B7492. 0-250 B7493. 0-500 B7494. 0-1000

MODEL 106

Net. Hand shadow illuminated type with translucent dial.

No. M. A.
B7495. 0-5 B7496. 0-10 B7497. 0-15 B7498. 0-25 B7499. 0-50 B7500. 0-100 B7501. 0-150 B7502. 0-250 B7503. 0-500 B7504. 0-1000

ESECUCHEONS

B7495. For TM106, 121. B7496. For TM106, 103. List. 50c. NET. EACH. ________88c

FULL-WAVE COPPER-OXIDE RECTIFIERS

B2500. ________2.15

M. A. CAPACITY

For connecting motor coil D.C. meters with less than 500 milliamperes drain, to A.C. instruments. Insulated, riveted connections. Leads are 30 AWG. Wire leads allow mounting inside meter case. ½" square mounting, 5½" long. Comes complete with wiring diagram and full instructions.

YOUR PRICE ________2.50

NR 5 M. A. CAPACITY

Nidec A. meters out of D.C. instruments drawing not more than 500 milliamperes drain. 30 A.C. leads on all frequencies to 5 K.C. Will rectify the same circuits, as above. Ideal for calibration. For capacity measurements, 0-2 volt, insulated from rectifier for conventional mounting. ½" square, 5½" long.

B2501. YOUR PRICE ________1.88

M. A. CAPACITY

For heavy-duty service in circuits strongly in D.C. Handles A.C. of all frequencies to 300. Maximum A.C. volts: 600. Use to rectify 110 Volts A.C. for testing of D.C. dynamic speakers with 2500 to 3000 ohm fields.

YOUR PRICE ________2.50

B2502. ________1.75

B2503. ________2.06
TRIPLETT PRECISION METERS

These accurate, dependable meters are available in a variety of styles, sizes and ranges. Ideal for service, instruments, transmitters, dividers and calipers. The Flange, Model 321 D C. meters have a high-grade indicating meters. The construction of internal movement which assures accuracy within 2%. The extra-light moving coil carrying the balanced aluminum needle moves on sapphire jewel bearings. The scale is white enamelled metal, equipped with zero adjusters. In dustproof cases, A.C. meters are flameproof, iron and lead. A high-grade attractively-priced line.

D C. MILLIAMETERS

3½ inch 2 inch

<table>
<thead>
<tr>
<th>Model</th>
<th>Flange</th>
<th>M. A.</th>
<th>Scale</th>
<th>Case</th>
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<tbody>
<tr>
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<td>2</td>
<td>Bakelite</td>
<td>223 A.C.</td>
</tr>
<tr>
<td>322</td>
<td>3½</td>
<td>2</td>
<td>Bakelite</td>
<td>223 A.C.</td>
</tr>
<tr>
<td>324</td>
<td>3½</td>
<td>2</td>
<td>Bakelite</td>
<td>223 A.C.</td>
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D C. MILLIAMETERS

225 Ohms Per Volt

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<th>Scale</th>
<th>Case</th>
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</thead>
<tbody>
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<td>6855</td>
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<td>0-10</td>
<td>Bakelite</td>
<td>223 A.C.</td>
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<td>6856</td>
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<td>0-10</td>
<td>Bakelite</td>
<td>223 A.C.</td>
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<tr>
<td>6857</td>
<td>3.75</td>
<td>0-10</td>
<td>Bakelite</td>
<td>223 A.C.</td>
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</tbody>
</table>

D C. VOLTMETERS

1000 Ohms Per Volt

<table>
<thead>
<tr>
<th>Model</th>
<th>6872</th>
<th>Net</th>
<th>M. A.</th>
<th>Scale</th>
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<td>6872</td>
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<td>Bakelite</td>
<td>223 A.C.</td>
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<td>0-12</td>
<td>Bakelite</td>
<td>223 A.C.</td>
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</table>

TRIPLETT FOUNDATION METERS

1000 OHMS PER VOLT

MODEL 321

This high-quality 3½" precision meter with its associated multipliers and shunts offers the service engineer the opportunity to build an extremely accurate multi-scale volt-ohm-milliam- meter at low cost. The basic instrument is a Triplett Model 261 with a volt-ohm-milliammeter internal resistance 180 ohms. Dial has five D.C. scales: 0-15, 15-150, 150-1500, 1500-15000 ohms and 0-10,000,000 ohms. A hair-line needle indicator simulates readings. Overall size 3½" x 3½" x 3½". 12-300 ohms. Triplett 324. D.C. Voltmeters. Scale moves are provided with zero adjustment. Scale range provided are those most generally used in service and test instruments. Meter only. Rents 0-1 M.A.: 0-50000 ohms: 0-1000-100000 ohms. B2311. MODEL 701. NET. $3.55

MODEl 321

This giant-sized 3½" meter has an extended scale length of 3". Its unusual size and striking appearance make it an impressive meter for the service engineer. The instrument is assembled and balanced, and the meter calibrated at three points. The instrument is supplied with a detachable back plate and a printed circuit card for meter mounting. Prices shown below are representative. Write for a complete list and prices on other models. B2317. MODEL 701. NET. $3.55

METER REPAIR SERVICE

Whether your meter is burned out or damaged mechanically, our laboratory-standard meter service will put it back in good condition. All repairs are made by trained technicians and calibrated against standards of the highest accuracy. Here is a fine service that amateurs, service men and experimenters need. Prices shown below are representative. Send each with meter prepaid for inspection.

SERVICE A: For 3½" meters with burned-out or open circuits, we will dismantle the entire moving system, remove the armature, remove the broken or erratic parts, and polish each jewel. A new armature or complete reconditioning will be supplied for a nominal charge of...

YOUR COST...

SERVICE B: For all other meters. Same as Service A except that armature or moving system will be supplied for a nominal charge of...

YOUR COST...

SERVICE C: If plate is cracked, scratched or broken, we will replace it at an additional charge of...

Prices above cover only replacement parts specified in each service. Additional parts, such as those not specified, can be supplied at cost. Where possible, failures will be repaired in the shop and sent prepaid. Where repairs will be made at the customer's expense, the meter will be supplied at the lowest possible prices.

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL. 33
NEW BEEDLE FOUNDATION METERS

These new Beede Foundation Meter Kits are ideal for building an efficient Volt-Ohm-Milliammeter at an extremely low price. An invaluable instrument for the serviceman, Amateur, or Experimenteer. The black bakelite line-type case is 4½" long and 2½" high and mounts in a 2½" diameter round hole. The large figures on the face are indicated by a special knife-edge pointer. The 5" accuracy D'Arsenal 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 ohm internal resistance. Internal resistance is 1275 ohms. Scales are 0-10, 0-100, 0-1000 volts D.C. 0-1, 000 ohms, 0-1, 000 microamperes D.C. These scales provide quick and accurate testing. (See multiplier resistor kit and shunt resistors below.)

**$41.00** B2340. NET. Resistor Kit. NET. $1.59.

**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.

**$10.58** B2337. NET. Shunt Resistors to obtain reading of 0-10 M.A. on above meter. B2377. To obtain reading of 0-100 M.A. on above meter.

**20,000 OHMS PER VOLT**
Now you can build a really sensitive voltmeter at an extremely low price. Uses a 50 micro-ammeter—most movements that will give you the sensitivity of 20,000 ohms per volt when used as a four-range D.C. voltmeter. Internal resistance is 1275 ohms. Scales are 0-10, 0-100, 0-1000 volts D.C. 0-1, 000 ohms, 0-1, 000 microamperes D.C. These scales provide quick and accurate testing. (See multiplier resistor kit and shunt resistors below.)

**$5.88** B1650, ANALYZER PLUG only. Small 3 prong octal base plug with a 5 foot 9 wire cable and a dual grid ray tube. List: $10.00. NET: $1.03.

**$2.94** B1661, Plug with 7 foot panel plug attached. List: $1.50. NET: $1.00.

**$6.15** B2320, NET. SHUNT RESISTORS Three accurately calibrated wire-wound precision resistors for use with volt-ohm milliammeter. The resistance, in ohms, of each is as follows:

<table>
<thead>
<tr>
<th>Resistance</th>
<th>Price</th>
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<tbody>
<tr>
<td>0-1000 ohms</td>
<td>$2.21</td>
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<tr>
<td>0-100 microamps</td>
<td>$6.90</td>
</tr>
<tr>
<td>0-1000 microamps</td>
<td>$9.60</td>
</tr>
</tbody>
</table>

**$2.15** B2321, NET. Volt-Ohm-Milliammeter Kit.

**$7.49** B1097, NET. COMPLETE PARTS KIT
Everything needed for the complete kit. All switches, condenser, resistors, potentiometers, and all miscellaneous hardware, down to the last screw. Does not include essential kit above or tubes. Send for parts list.

**$18.15** B1099, NET. ANALYZER ADAPTERS FOR METAL TUBES
Extend the tests possible with your present analyzer by using these new metal tube adapters. For use with 78 latch plug.

**$59.00** B1622, for testing in all metal tube sockets, 78 latch lock, octal base. YOUR PRICE $59.00.

**$59.00** B1623, 5 (85) Octal Socket Adapter. YOUR PRICE $59.00.

**$59.00** B1624, 6 (85) Octal Socket Adapter. YOUR PRICE $59.00.

**$59.00** B1625, for all metal tube sockets except 21, 3Y3 and 3SW1, 8 hole octal base. YOUR PRICE $59.00.

**$44.00** B1677, for testing 24, 3Y3 or 3SW1 metal tube circuits. 8 hole octal base. YOUR PRICE $44.00.

**$59.00** B1672, For testing in socket 3Y3, 3SW1 and 8 hole octal base. YOUR PRICE $59.00.

**$59.00** B1671, 9 CONDUCTOR, 2 No. 16 and 7 No. 20 wires. YOUR PRICE $59.00.

**$9.00** B1670, 8 CONDUCTOR, 2 No. 16 and 6 No. 20 wires. YOUR PRICE $9.00.

**$44.00** B1680, For all metal tube sockets, except 21 and 3SW1, 8 hole octal base. YOUR PRICE $44.00.

**$44.00** B1679, For all metal tube sockets except 21, 3Y3 and 3SW1, 8 hole octal base. YOUR PRICE $44.00.

**$44.00** B1678, For all metal tube sockets except 21, 3Y3 and 3SW1, 8 hole octal base. YOUR PRICE $44.00.

**$44.00** B1677, For testing 24, 3Y3 or 3SW1 metal tube circuits. 8 hole octal base. YOUR PRICE $44.00.

**$44.00** B1676, For all metal tube sockets, except 21, 3Y3 and 3SW1, 8 hole octal base. YOUR PRICE $44.00.

**$59.00** B1675, For all metal tube sockets except 21, 3Y3 and 3SW1, 8 hole octal base. YOUR PRICE $59.00.

**$59.00** B1674, For all metal tube sockets, except 21, 3Y3 and 3SW1, 8 hole octal base. YOUR PRICE $59.00.

**$59.00** B1673, For all metal tube sockets, except 21, 3Y3 and 3SW1, 8 hole octal base. YOUR PRICE $59.00.

**$59.00** B1672, For testing in socket 3Y3, 3SW1 and 8 hole octal base. YOUR PRICE $59.00.

**$59.00** B1671, 9 CONDUCTOR, 2 No. 16 and 7 No. 20 wires. YOUR PRICE $59.00.

**$9.00** B1670, 8 CONDUCTOR, 2 No. 16 and 6 No. 20 wires. YOUR PRICE $9.00.

**$44.00** B1680, For all metal tube sockets, except 21 and 3SW1, 8 hole octal base. YOUR PRICE $44.00.
ADAPTERS

ADAPTERS FOR NEW METAL TUBES

B1728. For converting the metal type 522A tube to the new metal type 2556. Better results can be obtained with this adapter. NET. 44c.

B1735. For using the metal type 695 tube in place of the glass tube 75 tube. NET. 44c.

B1747. Use 556A or 646 tubes with the new 635 metal rectifier. Particularly suitable for auto radio because of mechanical strength and complete shielding. NET. 44c.

ADAPTERS FOR NEW GLASS TUBES

B1739. For replacing 54 with 53 or 54 with 52. NET. 8c.

B1740. For replacing 55 with 54 and 55 with 52. NET. 29c.

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

B1743. Has a diode designed to replace type 64 tube in place of type 66 tube. Increases power; decreases noise. NET. 44c.

B1747. For replacing 6966 with 27 tube 5 hole top, 4 hole base. Contains resistance to cut filament to required 2.5 - 2.5 Volts. NET. 4c.

B1748. For using 56 tube in place of 66 tube as described above; type 56 has increased sensitivity and all-around efficiency at lower cost. NET. 4c.

B1749. For using 256 Pentode in place of 66 tube. NET. 1c.

ADAPTERS FOR 2 VOLTS TUBES

B1758. Replaces 964 with 256. NET. 12c.

B1776. Replaces 656 with 256. NET. 12c.

B1745. For replacing the special resistor built in. NET. 4c.

B1746. Replaces 656 with 256. NET. 12c.

TEST ADAPTER FORMS

B1675. For testing the grid clamp and lead of new adapter plug. NET. EACH. 8c.

B1674. For testing the grid clamp and lead of new adapter plug. NET. EACH. 8c.

ADAPTERS FOR 2 VOLTS TUBES

B1756. For replacing the special resistor built in. NET. EACH. 8c.

PLUG (BOTTOM)

B1866. For 4 prongs. NET EACH. 12c.

B1889. For 6 prongs. NET EACH. 8c.

B1886. For 4 prongs. NET EACH. 12c.

B1895. For 6 prongs. NET EACH. 8c.

ALDEN TUBE LEAKAGE AND SHORT TESTER

A new device which tests for leakage and short circuits on any type of tube. NET. EACH. 3.50.

ALDEN TUBE TESTING ADAPTERS

B1674. ALDEN 956 GEM. LIST. EACH. 40c.

ALDEN METAL TUBE TESTING ADAPTER

B1677. ALDEN WAVE. LIST. EACH. 3.50.

ALDEN MULTI-DATER

B1677. ALDEN WAVE. LIST. EACH. 3.50.
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Over 1000 pages covering 100 models from late 1951 to early 1960. With the first edition for 1951-52. Schematic diagrams, complete service information, troubleshooting, manuals, etc. 90 different radio sets.

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An absolute essential for servicing 1932-33 sets. 1200 pages contain complete service information for over 1000 different radio sets.

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Covers all sets from June, 1931, to March, 1932. 1200 pages contain complete service information for over 1000 different radio sets.

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**ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.**
BURGESS PLUG-IN "B" BATTERIES

The rigid specifications to which these famous batteries are built make them suitable for all radio and laboratory requirements. They are absolutely moisture- and climate-proof and incorporate the highest degree of purity in materials used to assure at least 1000 hours normal service. Burgess high-quality batteries are preferred for plug-in connectors. No finer batteries are made today to meet every requirement for pure D.C.

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SUPER "B" BATTERIES

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<td>$1.60</td>
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</tr>
</tbody>
</table>

STANDARD "B" BATTERIES

Standard contact batteries designed primarily for bias application. Ideal for supply in portable sets. Also suitable for use in portable sets. Always supplied with battery. Connectors are not supplied with battery. B9902. Connector for all 45 volt batteries. EACH $ .56

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CONNECTERS FOR "B" BATTERIES

B9923. Connector for 45 volt batteries. EACH $ .85

FLASHLIGHT CONNECTORS

B9933. Tapped reducing resistor. NET $ .25

BURGESS 3 VOLT "D" BATTERY

A new 100% dry "D" battery developed especially for 2 volt battery sets. It does not require recharging or filling with water: ready for immediate use. Batteries deliver 4 hours service at 3 ampere discharge 3 hours daily.

SCREW TERMINALS

Ideal for use in trailers, boats, etc., where an easily replaced source of "D" voltage is required. Convenient, compact and easy to handle. A practical reshapeable handle. Size: 1 1/4 x 1 1/2 in. Weights: 14 lbs. NOTE: Reducing resistor is necessary when used with 2 volt set not having no voltage regulating device.

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<tr>
<td>B9933</td>
<td>5005</td>
<td>3</td>
<td>1 1/4 x 1 1/2</td>
<td>14 lbs.</td>
<td>$7.55</td>
<td>$7.50</td>
<td>$7.25</td>
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KING BATTERY PLUG-IN "B" BATTERIES

A new quality line of well-bolted batteries, manufactured exclusively for ALLIED and sold only 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.

STANDARD 45 VOLT "B"

A very popular "B" battery of standard 45 volt design, with tap at 22 1/2 volts. Sturdy and dependable for long life and normal operation. Size: 13% x 11% x 3. Supplied with plug-in receptacle. Designed for sets using 4 1/2 volt tubes. SHOE, 10 lbs. B9927, Less plug $ .94c B9930. Plug. NET $ .56

HEAVY-DUTY 45 VOLT "B"

A powerful battery built for heavy-duty service, especially for sets using power control tubes. Current capacity is high, assuring longer, dependable negligibly services. Supplied with new heavy-duty type terminal receptacle. SHOE, 12 lbs. B9928, Less plug NET $ 1.26

45 VOLT EXTRA HEAVY-DUTY TYPE

A large, heavy-bered 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: 8 1/2" x 4 1/4" x 3 1/2" B9928. Less plug. YOUR SPECIAL PRICE $ 1.79

LOW-COST "B" AND "C"

Attracted price for this 22 1/2 volt "B" battery. Tap at 3 volts. Designed for long lasting and lasting service as source of power for microphones of low drain battery type tubes. Supplied with plug-in receptacle. Size: 4 1/4 x 2 1/2 x 1 3/4 in. Shipping weight: 7 lbs. B9926. 61c B9931. Plug... 6c

FLASHLIGHT CELLS

High current cells for 110 volt flashlight Type 27. No. 1 UNIT CELL B9927. Baby size for small flashlight. Weight: 1 1/8 lbs. Net. 10c. No. 2 UNIT CELL B9928. Regular size for standard flashlights. Weight: 2 1/2 lbs. 4c each.

NO. 6 1 1/2 VOLT DRY CELLS

A standard 1 1/2 volt dry cell for use on burners, dinnets, etc. Packeted with power. Reverses quickly after heavy drain. 1 1/2" dia. SHOE, 2 lbs. A fine value. Carry a stock of these fine batteries. B9926. YOUR PRICE $ 2.10

GENERAL MIDGET PORTABLE "A" AND "B" BATTERIES

Extremely small lightweight portable batteries. For use in portable radio receivers and transmitters, transformers, monitors, hearing aid, weather balloons, pocket radio sets, etc. The approximate range of B9955 is 100 MA hours. B9956 is 450 MA hours. B9957 is 1000 MA hours. B9958 is 15 ampere hours. B9959 is tapped at 22 1/2 volts. All others are untapped.

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<td>B9935</td>
<td>45</td>
<td>3% x 11/16 x 3/4</td>
<td>11 oz.</td>
<td>$1.75</td>
<td>$1.70</td>
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<tr>
<td>B9936</td>
<td>45</td>
<td>3% x 11/16 x 3/4</td>
<td>11 oz.</td>
<td>$1.85</td>
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<tr>
<td>B9937</td>
<td>45</td>
<td>4% x 11/16 x 3/4</td>
<td>50 oz.</td>
<td>$2.00</td>
<td>$1.95</td>
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<tr>
<td>B9938</td>
<td>45</td>
<td>4% x 11/16 x 3/4</td>
<td>50 oz.</td>
<td>$2.00</td>
<td>$1.95</td>
<td></td>
</tr>
<tr>
<td>B9939</td>
<td>5</td>
<td>22% x 11/16 x 1/2</td>
<td>16 oz.</td>
<td>.50</td>
<td>.45</td>
<td></td>
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BATTERIES • BATTERY CHARGERS

KNIGHT STORAGE BATTERIES AT LOW PRICES

KNIGHT 2 VOLT
A 2 volt, 10 plate storage battery, built and over-sealed to prevent loss. Contains 16.5 ampere-hour capacity in a compact size, suitable for many automobile accessories. Designed for automotive radio and lighting service. Provides excellent materials and quality construction for long trouble-free service. Lead plate construction makes these Batteries Ideal for use with a Wimberator or Heathfier unit. Offers convenient lighting service. With radio lighting service. Volts. 110 cycle. List $1.18.
B10012. YOUR PRICE...$3.95

SPECIAL 6 VOLT HEAVY-DUTY
These heavy-duty batteries were specially designed to deliver maximum life and trouble-free service. Lead plate construction makes these Batteries Ideal for use with a Wimberator or Heathfier unit. Offers convenient lighting service. With radio lighting service. Volts. 110 cycle. List $1.18.
B10021. 51 PLATE. For radio and not more than 1-25 watt lamps or 2-15 watt lamps. Plug. 25 in. H. Nett. ...$10.95
B10022. 51 PLATE. For radio and not more than 2-25 watt lamps or 3-15 watt lamps. Plug. 25 in. H. Nett. ...$14.45
B10023. 75 PLATE. Heavy duty. For radio and up to 3-25 watt or 4-15 watt lamps. Plug. 15 in. H. Nett. ...$23.10

HOMCHARGER BATTERY CHARGERS

5-3 AMP. BOOSTER
A new battery charger for a home or auto use. Has battery batteries. Built-in transformer, charging circuits positioned automatically from 1-3 volts. For 110 Volt 60 cycle A.C. (List $3.50). Please.
B10047. LIST $4.41
B100040. LIST $7.50
YOUR PRICE...$4.41

HI-RATE CHARGER
An automatic tapping feature assures safety at 10 amp. fast charger. Current drain not more than that of a storage battery. Complete with ammeter, 16 ft. cables and lead receptacle. For 110 Volt 60 cycle A.C. Shipment, wt. 20 lbs. Nett. ...$11.47
B10037. Nett...$11.47

5-3 AMP. CHARGER
A new charger designed to provide fast and efficient service. Automatic tapping feature assures safety at 5 amp. charger. Complete with ammeter, 15 ft. cables and lead receptacle. For 110 Volt 60 cycle A.C. FOR LIST $9.50.
B100047. LIST $12.49
B100038. Nett...$12.49

ADJ. CHARGER
A new charger designed to provide fast and efficient service. Automatic tapping feature assures safety at 5 amp. charger. Complete with ammeter, 15 ft. cables and lead receptacle. For 110 Volt 60 cycle A.C. FOR LIST $9.50.
B100047. LIST $12.49
B100038. Nett...$12.49

STANCO POWER PACKS
The high power pack for auto and battery radio sales demonstration and for service test work. Eliminates need for storage batteries. Delivers 115 volt, 150 watt current output from 110 Volt 60 cycle A.C. Automatic failure protection. Equipped with mini-starter and circuit breaker for protection.
B10145. Delivers 5 amp. output at 5-1/2 Volts to operate an average auto or battery radio. Complete with meter, circuit breaker, etc. Nett...$16.61

STANDARD MODEL
B10146. For chargers 12 Volts. With meter, circuit-breaker, etc. Nett...$19.55

DE LUXE MODEL
B10147. For chargers 12 Volts. With Hi-Lev switch and variable voltage control. Dual rectifiers. Nett...$25.97

NEW EVEREADY AIR CELL
"A" BATTERY
Especially designed and intended only for use with 6 Volt "A" type battery" battery sets. Operates on the principle using air as a reactant to supply a constant voltage and to give long life. A609 batteries in storage in few years.

ECONOMICAL-CONVENIENT
Consists of an operating with any other "A" battery. Now offered at a reduced price. Both Air Cell batteries listed below are rated at 60 ampere-hours and have a useful life of approximately 300 hours. At 100 hours, the A609 is far from a maximum current drain of 350 M.A. The A609 is for sets having a maximum drain of 350 M.A. in 100 hour tests. Nett at 110 cycle. Not available.
B10025. No. 4-240. Nett...$4.62. Less 2%...

"A", "B" & "C" AIR CELL BATTERY TESTERS
Inexpensive, versatile type battery testers. Will test all Type Battery. Dry Cells, Storage Batteries, etc. Air Cell batteries. Set charge. Complete charge. A.C. and D.C. systems. For use in testing Air Cell Batteries as "Good" or "Bad" and to indicate proper condition of each cell. Ideal for home use. Suitable for use in any type of automotive service. Includes two sets of 1"-5" and 2"-8" test leads. Nett...$5.40
B10026. SA-850. Heavy duty (100 M.A.) for multiple tests. WT. 20 lbs. LIST...$5.51. Less 2%...

32 VOLT "A" ELIMINATORS
Designed for use with any battery using 32 Volt 60 cycle A.C. battery illuminated. Eliminates "A" batteries, provides uniform filament voltage from 32 Volt illuminators. Correct voltage is always assured by means of built-in regulator. Detachable transmitters. Two models are available: one for 6 and 12 volt batteries; the other for 6 Volt tubes. Not sold for sets with built-in filament illuminators. For 32 Volt D.C. only. WT. 2 lbs. LIST...$3.82
B2261. For 2 and 4 volt tubes. Nett...$3.82
B2262. For 6 volt tubes. Nett...$3.82

KING COT RESISTANCE COILS
1-VOLT "A" SUPPLY FROM 110 VOLT SYSTEMS
Delivers 6 Volt "A" current supply directly from 32 Volt D.C. systems. For all types of battery "A" batteries. Dual circuit is used in your set. Consider it as one 21/2 A electrical, not sold for sets with built-in filament illuminators. Nett...$1.47
B2262. For 1/4 amp. tubes. Nett...$1.47
B2263. For 1/4 amp. tubes. Nett...$1.47
B2264. For 1/4 amp. tubes. Nett...$1.47
B2265. For 1/4 amp. tubes. Nett...$1.47

CHARGING RESISTORS
For charging 6 and 8 volt batteries from 32 volt systems.
B2264. For charging 6 Volts. LIST...$1.47
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 radio, 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 used. Special muffler reduces noise to a minimum. Built-in governor maintains correct 60 cycle speed. Special brush construction assures long life with no commutator wear. Bearings are precision sealed; require no attention. A.C. and D.C. leads are separately connected.

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 2 hours on one quart of gas. Extensively compact, measuring 220 x 111 x 111. Wt. 12 lbs. $59.90

300 WATT MODEL WITH REMOTE CONTROL
B10212. 300 Watt Gasoline 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. Measurements 25 x 15x 15. Wide and 151/2 high. Hand-crank starter. Wt. 16 lbs. NET $134.60

1000 WATT MODEL
B10217. Will supply sufficient A.C. for practically any purpose. Ideal for large sound laboratories and also for feeding on large high-current power systems. Will drive large lamps, lab. equipment, etc. Measures 28 x 171/2 x 16. NET $194.60

B10218. RADIO FILTER. Eliminates noise caused by the generator when used to supply current for radio sets. A.M. and F.M. amplitudes, excellent ignition shielding. YOUR PRICE $5.60

NEW MALLORY VIBRAPACKS
PORTABLE POWER FOR ALL RAD & P.A. REQUIREMENTS

A new, inexpenisive, dependable source of power for all portable radio receivers and transistorized F.M. radio systems, etc. Measures 25 x 15 x 10. NET $8.82


NEW CARTER LIGHTWEIGHT SUPER GENERATORS

A new line of lightweight generators for use with portable or mobile radio receivers, high-amp. amplitudes, transistorized, etc. Exceptionally 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 busses are free from sparking and noise. D.C. voltage output is easily adjusted. Supplied with diagrams and sketches for construction of correct filters. With heavy braced and bolted steel end plates, and rubber mounted cushions. Operate from 6 Volt D.C. source.

CARTER HEAVY-DUTY GENERATORS

ELIMINATES "B" BATTERIES

Do away with "B" battery expense. The Carter Generator operates directly from any 6 volt storage battery, with no battery charger. Circuit is designed to supply all "B" voltages for the operation of any battery radio. It is a small self-Contained unit, requiring no separate battery, for an efficient self-contained filter system. Delivers smooth D.C., for charging and operation. Wt. 6 lbs. $52.47

Tape 22, 45, 47, 90, 135, 150 Watts
Ideal for home type battery sets. Voltage tap switch provides 22, 45, 47, 90, 135, and Volt for operation of any battery radio. Quiet in operation; does not require oiling or attention. Easy to install; compact, only 4x5x6.5" high. Will give years of good service. Wt. 1.9 lbs.

FOR 6 VOLT OPERATION
B10230. 6200. Will deliver 160 watts D.C. at 30 M.A. Input drain is 2.5 amps from 6 volt storage battery. Wt. 6 lbs. $52.47

B10231. 5200. Will provide 200 watts D.C. at 30 M.A. Input drain from 6 volt storage battery with a drain of 3.5 amps. Wt. 6 lbs. $52.47

FOR 32 VOLT OPERATION
B10232. 3200F. Operates from any 32 volt D.C. source. Delivers 160 watts D.C. at 30 M.A. Volt drain is only 15 watts. Wt. 15 lbs. $62.80

B10233. 3280H. Delivers 160 watts D.C. at 30 M.A. Will operate from any 32 volt D.C. source. Input drain is only 16 watts. List. Each $62.80

NEW CARTER LIGHTWEIGHT SUPER GENERATORS

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 12 volt D.C. batteries. Works from 12 volt battery at drain of 2.6 amps. Replaces 4 "B" batteries.

35Volts D.C. to 110 Volts A.C. CYCLE A.

Inlet Type, Output Type, Power. Weights Amps. Price
B10205 30 1.4 32-19 $9.19
B10207 50 1.2 32-19 $9.19
B10208 100 0.8 32-19 $9.19
B10210 100 0.8 32-19 $9.19
B10211 150 0.6 32-19 $9.19
B10212 150 0.6 32-19 $9.19
B10214 200 0.5 32-19 $9.19
B10215 200 0.5 32-19 $9.19
B10216 300 0.4 32-19 $9.19
B10217 300 0.4 32-19 $9.19
B10219 500 0.2 32-19 $9.19
B10220 500 0.2 32-19 $9.19
B10221 500 0.2 32-19 $9.19
B10222 500 0.2 32-19 $9.19
B10223 500 0.2 32-19 $9.19
B10224 500 0.2 32-19 $9.19
B10225 500 0.2 32-19 $9.19
B10226 500 0.2 32-19 $9.19
B10227 500 0.2 32-19 $9.19
B10228 500 0.2 32-19 $9.19
B10229 500 0.2 32-19 $9.19
B10230 500 0.2 32-19 $9.19
B10231 500 0.2 32-19 $9.19
B10232 500 0.2 32-19 $9.19
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B10244 500 0.2 32-19 $9.19
B10245 500 0.2 32-19 $9.19
B10246 500 0.2 32-19 $9.19
B10247 500 0.2 32-19 $9.19

FOR 625 VOLS D.C. TO 110 VOLS CYCLE A.

NET EACH $79.00

WRITE US FOR "HARD-TO-GET" PARTS

40
INTERFERENCE ELIMINATORS - FILTERS

Radio Noise Can Be Ended!

Use These TOBE Noise Eliminating FILTERETTES

Carefully made units designed to overcome undesirable radio interference at its source. Built to stop noise over the range of frequencies covered by modern broadcast and R.V. receivers.

NOISE MANUAL

A helpful manual published by the TOBE DESCAMUS, Inc., contains full information on many made electrical noises and how to prevent them from reaching the radio set. Will pay for itself on your first service call.

MODEL 7 AC-DC

$0.99

MODEL 110-PO

The largest and most efficient filter ever made. Will handle up to 5 amperes. Ideal for use with electric refrigerators, washing machines, dishwashers, and other appliances. Wts. 6 lb.

MODEL RF-2

$6.17

Designed to eliminate noises coming from the power line. Effective filtering is obtained by combining capacity and inductance in one carefully engineered unit. Will prevent interference coming from the power line. For use with any appliance which receives 110 volts or 110 volt line. 

RAZOR FILTERETTE

$0.99

A practical filter unit for reducing interference from electric ranges. Each unit will handle one electric range, clothes dryers, toaster, etc., without the disturbing hum of your range. Ideal for those who want to hear radio, and for those who use electric range in the same room. 

FILTERETTE JUNIOR

$1.32

FILTERETTE SENIOR

$3.23

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. 

JA FILTERETTE

$1.62

A light-weight filterette for attachment to appliances such as toasters, electric range, hair dryers, etc., to prevent interference from affecting such appliances. 

SPRAGUE INTERFERENCE ELIMINATORS

Type IF-21, D.C. Condenser.

$1.47

Ideal for large motors, as in refrigerators, oil burners, etc.

Type IF-50, Individual Units.

$1.03

For small motors, such as dishwashers, electric range, etc.

NEW NOISE-ELIMINATION MANUAL

A practical book covering the interference elimination problem from A to Z. Used by the Radio Institute of America, the National Institute of Radio, and the National Broadcast Company. For amateurs and professional radio engineers. 

INTERFERENCE ELIMINATION

Exhaustive experiments show that different units may be used for different units. The units below will fill definite needs as indicated:

Type CH-1 Choke. Specially designed; will carry up to 10 amperes. Wts. 1 lb.

$1.47

Type CH-2 Choke. Slightly larger than unit above. Will carry up to 20 amperes. Wts. 1 lb.

$1.50

CUT-OUT BOX

A compact unit, with knock-out panel and cut-outs, ready for mounting practically on any combination of these interference units. Measures only 4½"x5½"x1½". 

$8.80

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 all broadcast bands. B.F. choke filter system, together with a wide range of coils, will ordinarily regulate current through the power line. Easy to install, will permit television and other appliance to function without interference. Operates on any D.C. or A.C. power line. Designed to eliminate interference causing static, etc. Easily installed with bakelite receiver box and attachment cord with unbreakable rubber plug. Hand some small-disembled metal case.

$4.41

AEROVOX INTERFERENCE ELIMINATOR

- Eliminates power line interference
- Completely factory-built
- Single one-minute installation

Complete eliminates all power-line interference. Greatly reduces room noise from television and radio. A F.E.D. filter is all that is needed to be installed. For use on either A.C. or D.C. devices drawing not more than 300 watts at 110 volts. Measures only 4½"x5½"x1½". Easily installed without tools. Equipped with bakelite receiver box and attachment cord with unbreakable rubber plug. Hand some small-disembled metal case.

$2.79

MILLER ALL-WAVE LINE NOISE FILTER

- Capacitative Inductance circuit used
- Dual inductance and F choke coils
- Complete line noise elimination

Positively effective results are obtained by use of complete filter circuit. Ideal for home, office, or the radio itself. Requires no adjustment. Filters radio or appliance into filter, and filter into outlet. With cord and plug, 110 volts, 200 watts.

$2.35

MILLER LINE CHOKES

Dual inductance (inductive) choke units. Ideal for building your own line filter. Well-adapted to all types of line filter devices. Low resistance.

$0.60

BUD INTERFERENCE FILTER

A high serviceable filter that does away with "man-made interference" such as that caused by household wiring. Easily and quickly attached by means of cord and plug. 

$1.47

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
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 duplications 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 a vibrator not listed below, state make and model of type, 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 a vibrator not listed below, state manufacturer's type number, or model and make of set.

**REPLACEMENT VIBRATORS**

**AIRLINE**

62-106, 62-118...

**BOSCH**

101, 102, 103, 104...

**CHEVROLET**

361-41...

**DETROITA**

6A, 1100, 1101A...

**EMERSON**

655, 667...

**ERLA-SENTINEL**

550-2W, 100X, 110...

**FORD**

101, 102, 104B...

**FREEDE**

87, 89...

**G.E.**

B44, C41, B52...

**KNIGHT**

5431, 59151...

**LEWIS**

221, 222...

**MALLORY**

62-106, 62-118...

**REPLACEMENT VIBRATORS**

**AIRLINE**

62-106, 62-118...

**BOSCH**

101, 102, 103, 104...

**CHEVROLET**

361-41...

**DETROITA**

6A, 1100, 1101A...

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**G.E.**

B44, C41, B52...

**KNIGHT**

5431, 59151...

**LEWIS**

221, 222...

**MALLORY**

62-106, 62-118...

**MOTOROLA**

34, 60, 90...

**PHILCO**

A8-1, 367, 368...

**RCA VICTOR**

33, 39, 54, 55, 59...

**SEARS-ROEBUCK**

7278, 7279, 7280...

**SIMPLEX**

44, 45...

**SPARTON**

33, 34, 35, 36...

**STEWART-WARNER**

R111, R112, 1111...

**STROMBERG-CARLSON**

226, 227, 228...

**UTAH**

89050, 89051...

**WELLS-GARDNER**

6U...

**WURLITZER**

A600, 400...

**ZENITH**

460, 461, 650HD...

**UNIVERSAL REPLACEMENT VIBRATORS**

New universal vibrators for replacement purposes. Same type 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**

9070, 9071...

**NON-SYNCHRONOUS—SPECIAL 4 PRONG**

B4685, 550, 551...

**SYNCHRONOUS—STANDARD 5 PRONG**

9070, 9071...

**SYNCHRONOUS—SPECIAL 6 PRONG**

B4685, 550, 551...

**REVERSIBLE SYNCHRONOUS—SPECIAL 6 PRONG**

B4685, 550, 551...
**Values in VOLUME CONTROLS**

**IRC METALIZED VOLUME CONTROLS**
A new volume control with superior features. Operating range: 0-100%. Only 1 1/2" diam. In bakelite housing. Includes: A- Potentiometer or rheostat with uniform resistance change; B- Audio grid or dummy shaft; C- Antenna and "C" bias for two tubes.

---

**OHMITE VITREOUS ENAMELED RHEOSTATS**
A sub-qualities line of power rheostats, for all types of radio and control circuits. Conventional features are for ease of mounting. Core wound on porcelain core and covered with vitreous enamel, except for contact surface; assures extreme flexibility. Large contact shoe is of multi-impregnated carbon battle. Shaft is insulated for use on metal panels. Round mounting hole. Two terminals; may be used as potentiometers.

---

**OHMITE VITREOUS ENAMELED RHEOSTATS**
A new type volume and tone control. Only 1" in diameter, 8 1/2" shaft length. Designed for use on auto, radio, etc. Potentiometer and control in one unit. Suitable for use with AC line switch.

---

**KNIIGHT UNIVERSAL VOLUME CONTROLS**
A dependable line of control and volume controls. Available: six units in operation without a switch. Additional controls can be obtained for the control. Each control unit can be used as an independent control. Potentiometer, Y- Tone control or audio input.

---

**OHMITE VITREOUS ENAMELED RHEOSTATS**

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**OHMITE VITREOUS ENAMELED RHEOSTATS**
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 radios 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 this new Yaxley permanent element. They have perfectly smooth tapers and a special geometrically designed soft iron. Silver-to-silver contacts are used between the current-carrying parts to result in perfect, noiseless contact between the moving switch and 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.
- Designed for Underwriters Approved power switch.
- Knob adapter—not necessary to fit the knob to the Yaxley unit, simplifies use of control through 90° panel.
- Absolutely noiseless contact between moving arm and resistance element.

### UNIVERSAL REPLACEMENT CONTROLS

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### ATTACHABLE VOLUME CONTROL SWITCHES

Listed as standard by the Underwriters' Laboratories. Inexpensive construction makes them easily adjustable. A quick method of switching attachement, which has been found most satisfactory for installation in radio service work. Available in five types listed below.

- **B9004. Type 6-9. S.P.D.T.** Special thin design. List. 50c NET.
- **B9005. Type 7. D.P.S.T.** Thin design. Similar to Type 6. List. 65c NET.

### TAXLEY VOLUME CONTROL TAPER CHARTS

The graphs shown here illustrate the various tapers of Taxley volume controls. To simplify the reading of these graphs the following explanations are given:

1. A straight line indicates a straight taper in the carbon unit.
2. A straight line indicates a semi-logarithmic taper in the carbon unit.
3. A straight line indicates a logarithmic taper in the carbon unit.
4. A straight line indicates a semi-logarithmic taper in the carbon unit.

**WIRE-WOUND TAPERS**

**CARBON CONTROL TAPERS**

**REPLACEMENT VOLUME CONTROLS**

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### 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 entire Mallory-Yaxley service manual including the entire service manual of the Mallory-Yaxley radio line.

**FREE** The Yaxley Catalog and Volume Control Guide is free with your order for volume controls or can be secured by sending 5c to cover cost of handling.

**B11801**

**$1.47**
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## VAXLEY VOLUME CONTROLS

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## Allied Radio Corporation

433 W. Jackson Blvd., Chicago, Illinois 45
STANDARD RADIOHM VOLUME CONTROLS

The new small size CRL Standard Control. Listing below covers practically all requirements. Only 1 1/2" dia.; less than 1" deep without switch. With 1/4" shaft which may be cut to fit. Carbon type. See chart below for sizes. Supplied with or without No. B3065 snap-on switch described below.

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<td>Leather Radio</td>
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<td>B3052</td>
<td>$0.59</td>
</tr>
<tr>
<td>Zenith Radio</td>
<td>B3053</td>
<td>$0.59</td>
</tr>
</tbody>
</table>

VOLUME CONTROL GUIDE

The new completely revised CRL Volume Control Guide. Packed with valuable information every serveman should have. Large size (8 1/2" x 11""). 160 pages of up-to-the-minute information. The features are: 600 individual types of radio set listings covering 16 different manufacturers; set model numbers listed in alphabetical order; new tone and waveband components; Midland Radio Listings; and the complete control information on late 1956 and early 1957 sets. FREE with your order for CRL volume controls.

No. B3099.

IF ORDERED SEPARATELY... 10c
### REPLACEMENT VOLUME CONTROLS

<table>
<thead>
<tr>
<th>Manufacturer and Model</th>
<th>Cat. No.</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wells-Gardner (Gulbransen) (Cont'd)</td>
<td></td>
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</tr>
<tr>
<td>02A, 97A</td>
<td>B3309</td>
<td>$0.88</td>
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<tr>
<td>02C, 97C (Flat)</td>
<td>B3310</td>
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</tr>
<tr>
<td>05A, 51H</td>
<td>B3308</td>
<td>$0.88</td>
</tr>
<tr>
<td>10, 12 SERIES</td>
<td>B3302</td>
<td>$0.88</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Manufacturer and Model</th>
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<tr>
<td>Majestic Manu.</td>
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<tr>
<td>Control 83248, 83229, 83220</td>
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</tr>
<tr>
<td>Ex. Radionics 83220</td>
<td></td>
<td>$0.88</td>
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</table>

<table>
<thead>
<tr>
<th>Manufacturer and Model</th>
<th>Cat. No.</th>
<th>NET</th>
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</thead>
<tbody>
<tr>
<td>Control (Radionics)</td>
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<td>97C, 97D</td>
<td>B3313</td>
<td>$0.88</td>
</tr>
<tr>
<td>10, 12 SERIES</td>
<td>B3302</td>
<td>$0.88</td>
</tr>
</tbody>
</table>

### CRL EXACT DUPLICATE REPLACEMENTS

**EXACT DUPLICATE Replacement Volume Controls for a number of the most popular standard radio receivers with matched control knobs. Each unit is made of teflon and perform exactly like the original used in the set.**

**Note:** These controls will give accurate and dependable service.

### RCA-VICTOR

<table>
<thead>
<tr>
<th>Cat. Mfg.</th>
<th>Set</th>
<th>Mdls.</th>
<th>NET</th>
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<tbody>
<tr>
<td>B3125</td>
<td>920, 1020, 1101, 1121, 1131</td>
<td>83010</td>
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<tr>
<td>B3170</td>
<td>1040, 1161, 1166, 1173, 1175</td>
<td>83015</td>
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<tr>
<td>B3171</td>
<td>82005</td>
<td>83065</td>
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<tr>
<td>B3172</td>
<td>6909</td>
<td>83069</td>
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<td>B3179</td>
<td>6082</td>
<td>83070</td>
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<tr>
<td>B3180</td>
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<td>83072</td>
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### PHILCO

<table>
<thead>
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<td>B3163</td>
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<tr>
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### MAJESTIC

<table>
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<tr>
<td>B3138</td>
<td>3638</td>
<td>8201</td>
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<tr>
<td>B3139</td>
<td>5216</td>
<td>8202</td>
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<tr>
<td>B3140</td>
<td>4852</td>
<td>8203</td>
<td>$0.88</td>
</tr>
</tbody>
</table>

### CRL MIDGET RADIOHMS

A new line of small yet efficient volume controls. Bakelite body measures 1/4", depth. Less switch, E.G., with switch 3/4". Shaft is made of teflon aluminum which can be easily cut to proper size. Developed especially to satisfy the demand for compact control which is fully as efficient as the standard sizes but small enough for use in small sets, auto sets, test instrumentation, etc. Complete with knob insert.

### SUGGESTED List of MIDGET VOLUME CONTROLS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Mdls.</th>
<th>NET</th>
<th>REF.</th>
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<tbody>
<tr>
<td>B32255</td>
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<td>82256</td>
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<tr>
<td>B32257</td>
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<tr>
<td>B32258</td>
<td>82258</td>
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</tr>
<tr>
<td>B32259</td>
<td>82259</td>
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<tr>
<td>B32260</td>
<td>82260</td>
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<tr>
<td>B32261</td>
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<td>B32262</td>
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<tr>
<td>B32267</td>
<td>82267</td>
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</tr>
</tbody>
</table>

### ALLIED RADIO CORPORATION

833 W. Jackson Blvd., Chicago, Ill.
**NEW ELECTRAD STANDARD VOLUME CONTROLS**

Carbon resistance element permanently fused in the flatter part of a strong Bakelite ring.

Long aluminum shaft easily saved in fixed to desired length over time and labor.

Molded Bakelite case provides mechanism and resistance element for dust and moisture.

Body of control extends only ½ back-panel when mounted. Case only 1” wide.

New type control switch assembly (supplied by underwriter's laboratories) approved by standard code.

**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. 2% thick. 1 3/8” dia. with metal end cover and long ½” dia. aluminum shaft. Use may be easily added. All controls marked with “W” #7 wire-wound.

**REPLACEMENT VOLUME CONTROLS**

*See new type control switch assembly (supplied by underwriter's laboratories) approved by standard code.*

**ELECTRAD VOLUME CONTROL GUIDE**

Larger and more complete than any previous edition. Over 110 issues of valuable information and data with a complete list of manufacturers, a net model, provides handy reference chart for selecting almost any volume control. Yours FREE for one small subscription to ELECTRAD control. Available direct to the P. R. Mallory Co., Indianapolis, Ind.

**ELECTRAD TAPER CHART**

Use this chart for determining which Electro 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. F = Audio Shunt. H = Antenna Cathode heavy current control. Refer to this chart when ordering Electro standard controls.

**ELECTRAD FADER CONTROLS**

List. Each. $1.00.

**ELECTRAD DUAL CONTROLS FOR PUSH-PULL GRIDS FOR AUDIO AMPLIFIER USE**

List. Each. $1.50.

**ELECTRAD NET PRICE, EACHT**

List, Each. $1.50.

**POWER CONTROLS FOR ELECTRAD CONTROLS**

List. $50.00.

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List. $50.00.

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**POWER CONTROLS FOR ELECTRAD CONTROLS**

List. $50.00.
<table>
<thead>
<tr>
<th>Manufacturer and Model</th>
<th>New Price</th>
<th>Replacement Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Montgomery Ward &amp; Co.</td>
<td>$4206</td>
<td>$4229</td>
</tr>
</tbody>
</table>
Each Net 5000 Coded Color RMA 12500 10000 Resist. Ohms
4500 3500 2250 1750 1500 900 700 600 500

100...WATT for savings,

64081 644175 84873 84973 84869 84670 84969 B4865 B4965 65065 84864 84862 64860 84850 64956 85058 84056 84854 84853 84852 64851

No. 1/4 B4859 B4858 B4857 B4856 B4855 B4854 B4853 B4852 B4851 B4850

64981 65001 65181 134975 84964 14962 85064 65661 B5853 65052 65151

B5113 B5112 B5111 B5110 B5109 B5108 B5107 B5106 B5105 B5104

85080 101 B5162 15162 85178 85175 85170 85165 500000 65161 15162 85159

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

2500 2000 1500 1000 500 300 200 100 50 30 20 10

84913 65613 85113 65213 64912 84911 84910 64909 64908 64907 84907

85009 85008 85007 85006 85005 85004 85003 85002 85001 85000 85000

64897 84997 85097 84090 84885 84082 84

B5207 B5206 B5205 B5204 B5203 B5202 B5201

85130.

K N I T H CARBON RESISTORS Coded Color

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 many I.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 5% (average close to 5%) by the operations of the manufacturing machinery. Save and profit by using Knight highest standards in the resistor units with the outstanding features.

KNIGHT COLOR CODE

1/4 WATT WATT WATT

Net Each 4c 5c 6c 10c
Per Dot. 4c 4c 4c 4c
Per 100 $3.50 $4.00

1 WATT WATT WATT

Net Each 6c 10c
Per Dot. 6c 6c
Per 50 $4.85 $4.00

RMA Color Coded

All Popular Values

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

Hi-fidelity quality Knight Carbon Resistors that assure honest and dependable service. Packed in handy kits of 24 units. Each kit has an assortment of the most commonly used and needed values. Containing 2 or more units will provide any value not listed. All resistors are RMA color-coded. Handy Color Code Guide is supplied free with each kit.

EACH KIT CONSISTS OF THE FOLLOWING VALUES:

- SAVES YOUR TIME AND YOUR MONEY
- CONVENIENT—for TOOL KIT OR BENCH

- Carry a set of compact Knight Carbon Resistor Kits in your tool box; keep another set on your service bench, and you'll always have the resistor you need; and when you need say, 8 meg., keep your kits up-to-date by replacing used units from the complete list of values included above. Save money with Knight Resistor Kits.

FREE—HANDY CELLULOID COLOR CODE GUIDE WITH EACH KIT

1 WATT KIT Consists of one each of the above resistors in 1 watt size. YOUR NET PRICE $1.25

1/4 WATT KIT Consists of one each of the above resistors in 1/4 watt size. YOUR NET PRICE $1.03

1/2 WATT KIT Consists of one each of the above resistors in 1/2 watt size. YOUR NET PRICE $.88

50 LOWEST PRICES HIGHEST QUALITY—BEST SERVICE
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 molten silica insulation material which absolutely eliminates danger of shorting. 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 lends them ideal for use in A.C. circuits, high gain amplifiers, etc. Each unit is color-coded, and has standard stock value ranges.

<table>
<thead>
<tr>
<th>STANDARD STOCK RANGES</th>
</tr>
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<tbody>
<tr>
<td><strong>Ohms</strong></td>
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</tr>
<tr>
<td>2</td>
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<tr>
<td>4</td>
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<tr>
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<tr>
<td>160</td>
</tr>
<tr>
<td>320</td>
</tr>
<tr>
<td>640</td>
</tr>
</tbody>
</table>

**NEW IRC RESISTANCE INDICATOR**

A new calibrated continuously variable resistance indicator. Designed to detect and protect against overloads in the circuit. Direct-reading coded scale covers entire range from zero to 1 MEG Ohm. Equipped with four flexible leads permitting it to be used as a voltmeter, etc. Also used for determining circuit values by substitution: for checking resistor units, potentiometers and variable condensers. Will find a number of uses and will replace many defective resistance units. It is a small molded bakelite case; has mounting feet for permanent installation on bench or counter. Supplied complete with four color-coded leads, alligator clips, and instructions.

**FREE—NEW IRC RESISTO-CHEST**

With Purchase of Orders

Ordering 50 of the new Type BT-1 watt resistors, any values listed above, you will receive this handy chest. Just the thing for your service bench. Chest measures 16¾” wide, 12½” high, 4¾” deep; has 7 small drawers, 1 large drawer. Will hold several hundred resistors.

**RESISTO-CHEST ONLY**

The above handy chest by itself, no resistors included. A real value at this price.

**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 exterior coating provides protection against extreme heat and humidity. With tinned wire leads.

<table>
<thead>
<tr>
<th>Resist.</th>
<th>Ohms</th>
<th>Type AB 10 Watts</th>
<th>Type DC 20 Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100</td>
<td>B5750</td>
<td>B5752</td>
</tr>
<tr>
<td>2</td>
<td>200</td>
<td>B5753</td>
<td>B5754</td>
</tr>
<tr>
<td>3</td>
<td>300</td>
<td>B5756</td>
<td>B5757</td>
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<td>B5759</td>
<td>B5760</td>
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<td>B5776</td>
</tr>
<tr>
<td>10</td>
<td>1000</td>
<td>B5778</td>
<td>B5779</td>
</tr>
</tbody>
</table>

**TYPE AB—10 WATTS**

Available in all ranges up to 50,000 ohms. Exceptional performance, and experiments for making up voltage divider networks. 10¾” long; 7¼” dia. Extra heavy tinned leads for easy connection.

**TYPE DC—20 WATTS**

Available in all ranges up to 50,000 ohms. 10¾” long; 7¼” dia. Extra heavy tinned leads for easy connection.

**FOR ORDERING**

List, Each, 20c, NET EACH...

**ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL. 51**
### Mallory Electrad Adjustable Resistors

**VARIOHM RESISTORS**

Wire wound on sturdy porcelain tube, covered with vitreous enamel. Exposes a narrow track making contact with slides. Monel metal lugs assure permanent connection. Wattage rating corresponds to NEMA type. Winding size and adjustment brackets are adjustable. One adjustable lug is furnished; additional lugs may be added.

**VITREOUS ENAMEL WITH ADJUSTABLE LUGS**

All Variohm units are % in. in diameter. The adjustable lug is carefully designed to assure long life without undue strain on the wire. These units are ideal replacements for tapped wire resistors. May be used in resistance sets, vacuum tubes, etc. Accuracy to within 5% of the specified value. Table below shows regular ratings. You can depend on these well-made resistor units.

---

### Electrad Precision Resistors

**Electrad Electrad Adjustable Resistors**

Accurate, dependable resistors, non-inductively wound in layers on insulators. Extremely low distributed capacity. Thoroughly impregnated against moisture. Ideal for use as multipliers, laboratory resistors, etc. Accuracy plus or minus 5%. With threaded leads. Ferrule terminals listed below may be added.

---

### 10 Watt Truvolt Resistors

Wire-wound replacement resistors with 1000 Volt insulation. Easily adjusted to required resistance by means of convenient sliding clip. Precision wound, copper core, and vitreous enamel for cooler operation. Provide complete listings and ratings shown. Accuracy is within 5% of specified value. % tolerance; % long; with sliding clip.

---

### Electrad Adjustable Voltage Dividers

Air cooled voltage dividers with 6 sliding taps which, when adjusted, give correct voltage division for any application. Can be used to replace burned-out or defective voltage dividers in many radio sets and amplifiers. 3000 OHMS—50 WATTS

---

### FERRULE TERMINALS

Designed for use with the Precison Resistors described on this page. Equipped with 6 lugs to convert them to ferrule types.

---

### Adjustible Clip

Permits easy additional adjustment of Electrad 10 Watt adjustable resistor units. Offers intermediate value by sliding to proper position. Easy to mount. B4620, List. 10c. NET...

---

### FULL-LENGTH FIBRE GUARD

---

### Mallory Adjustable Products

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 resistance or write for quotations.
**10 WATT RED DEVIL RESISTORS**

For all radio requirements. Wire-wound on low-loss porcelain core; coated with refractory cement which protects wire or resistor at red heat. Will not deteriorate or change value with age. Efficiently insulated at rated voltage. Will withstand temporary overloads of up to 60 watts. Size, 1/8 x 1/8" firmly anchored by heavy-tinned wire leads.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ohms</th>
<th>No.</th>
<th>Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>B160</td>
<td>1</td>
<td>B1604</td>
<td>100</td>
</tr>
<tr>
<td>B161</td>
<td>2</td>
<td>B1605</td>
<td>150</td>
</tr>
<tr>
<td>B162</td>
<td>3</td>
<td>B1606</td>
<td>200</td>
</tr>
<tr>
<td>B163</td>
<td>4</td>
<td>B1607</td>
<td>250</td>
</tr>
<tr>
<td>B164</td>
<td>5</td>
<td>B1608</td>
<td>300</td>
</tr>
<tr>
<td>B165</td>
<td>6</td>
<td>B1609</td>
<td>350</td>
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<tr>
<td>B166</td>
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<td>400</td>
</tr>
<tr>
<td>B167</td>
<td>8</td>
<td>B1611</td>
<td>500</td>
</tr>
<tr>
<td>B168</td>
<td>9</td>
<td>B1612</td>
<td>600</td>
</tr>
<tr>
<td>B169</td>
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<td>B170</td>
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<td>12</td>
<td>B1615</td>
<td>900</td>
</tr>
<tr>
<td>B172</td>
<td>13</td>
<td>B1616</td>
<td>1000</td>
</tr>
</tbody>
</table>

List, Each, 1.00... YOUR PRICE, EACH... 59c

---

**WIRE-WOUND RESISTORS**

Wire-wound on fiber strips. Low inductance.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ohms</th>
<th>No.</th>
<th>Ohms</th>
</tr>
</thead>
<tbody>
<tr>
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<td>10</td>
<td>B202</td>
<td>250</td>
</tr>
<tr>
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<td>25</td>
<td>B204</td>
<td>500</td>
</tr>
<tr>
<td>B205</td>
<td>50</td>
<td>B206</td>
<td>750</td>
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<td>B207</td>
<td>100</td>
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<td>1250</td>
</tr>
<tr>
<td>B209</td>
<td>150</td>
<td>B210</td>
<td>2000</td>
</tr>
<tr>
<td>B211</td>
<td>250</td>
<td>B212</td>
<td>3000</td>
</tr>
<tr>
<td>B213</td>
<td>350</td>
<td>B214</td>
<td>4500</td>
</tr>
<tr>
<td>B215</td>
<td>500</td>
<td>B216</td>
<td>6000</td>
</tr>
<tr>
<td>B217</td>
<td>750</td>
<td>B218</td>
<td>8000</td>
</tr>
<tr>
<td>B219</td>
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<td>12500</td>
</tr>
<tr>
<td>B221</td>
<td>1500</td>
<td>B222</td>
<td>20000</td>
</tr>
</tbody>
</table>

List, Each, 6c... YOUR PRICE, EACH... 7c

---

**CONTINENTAL CARBON SEMI-PRECISION RESISTORS**

A high-quality line of solid-molded tingle-carbon-wound semi-precision carbon resistors. The popular sizes listed below are ideal for use in all types of radio circuits. They are accurate within 5% and can be used with any 1/2-Watt Resistor to achieve an accurate null-measurement. All units are carefully pre-heat aged to stabilize their resistances. They are completely covered to prevent shorts.

<table>
<thead>
<tr>
<th>Stock</th>
<th>Ohms</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>B559</td>
<td>100</td>
<td>1.0</td>
</tr>
<tr>
<td>B561</td>
<td>200</td>
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<td>B563</td>
<td>800</td>
<td>3.0</td>
</tr>
<tr>
<td>B564</td>
<td>1600</td>
<td>5.0</td>
</tr>
<tr>
<td>B565</td>
<td>4000</td>
<td>10.0</td>
</tr>
<tr>
<td>B566</td>
<td>8000</td>
<td>20.0</td>
</tr>
</tbody>
</table>

List, Each, 3c... YOUR PRICE, EACH... 4c

---

**EAGLE PLUGGER LEAK**

Adjustable grid leak with a range from 0 to 50 milliohms. With each adjustment.

B3974. YOUR PRICE... 28c

---

**MULTIPLIER RESISTOR KIT**

A kit of the above resistors which will convert any 0-1 milliammeter (50 ohms internal resistance) to 0-10 milliammeter. 6... YOUR PRICE... 1.59

---

**ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.**
resistors • ballasts

CANDOHM EXACT DUPLICATE RESISTORS

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 contained on original part or send sample. Also give make, model and tube type of set. Enclose deposit with order and we will ship proper units.

```
<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Fact. No.</th>
<th>Total Ohms</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>R5550</td>
<td>R-304</td>
<td>135</td>
<td>.20</td>
</tr>
<tr>
<td>R5586</td>
<td>R-321</td>
<td>120</td>
<td>.20</td>
</tr>
</tbody>
</table>
```

CANDOHMETER RESISTANCE INDICATOR

An accurately calibrated dual-range resistance indicator. Consists of two Candohm resistors on a single mount insulated from and enclosed in metal casting. Suits two tests readily and returns rapidly to zero. Used for determining approximate value of any resistor. When used for determining the exact value of any 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 for determining accurate reading within its range. Excellent for experimental or service work. Complete with test leads, insulated handle, 300-volt thermometer, and 1 lb. cloth.

B6596. List $3.75. Net 1 lb.
```

0-100; 0-1,000 OHMS

The same design and quality construction as the Candohmeter listed above. Intended for determining lower values of resistance with greater accuracy. Sizes: 0-100 and 0-1,000 ohms. Ships wt. 1 lb.

B6596. List $1.75. Net 1 lb.

MUTER 5 WATT ZIPOHM RESISTORS

Wire wound 5 Watt, flat-type resistors. Compact enough for use in all radio sets and amplifier circuits to replace carbon resistors. Most units only 1/4" x 1/2" long. Accuracy is ±5%. Each unit is protected with a non-conductive high temperature electrical varnish.

```
<table>
<thead>
<tr>
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<th>Ohms</th>
<th>Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>B7600</td>
<td>100</td>
<td>B7605</td>
</tr>
<tr>
<td>B7607</td>
<td>110</td>
<td>B7609</td>
</tr>
<tr>
<td>B7612</td>
<td>120</td>
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<td>B7616</td>
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<td>B7621</td>
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<tr>
<td>B7623</td>
<td>160</td>
<td>B7624</td>
</tr>
</tbody>
</table>
```

LIST PRICE \$2.50 YOUR PRICE \$1.50 EACH

ZIPOHM 5 WATT RESISTOR KIT


YOUR SPECIAL PRICE \$5.91

54 RADIO HEADQUARTERS FOR DEALERS AND SERVICEMEN

LINE CORDS AND VOLTAGE REGULATORS

AC-DC SET LINE CORDS

Line cord with built-in resistor which supplies proper filament voltage for the popular AC-DC receiver. Two types are available. Price includes two cords. Each.

```
<table>
<thead>
<tr>
<th>No.</th>
<th>OHMS</th>
<th>Filament Drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>B7207</td>
<td>250</td>
<td>16.9 to 17.6 V.</td>
</tr>
<tr>
<td>B7208</td>
<td>300</td>
<td>16.4 to 16.6 V.</td>
</tr>
<tr>
<td>B7209</td>
<td>350</td>
<td>15.9 to 16.5 V.</td>
</tr>
<tr>
<td>B7210</td>
<td>400</td>
<td>15.3 to 16.0 V.</td>
</tr>
<tr>
<td>B7211</td>
<td>500</td>
<td>14.4 to 15.8 V.</td>
</tr>
<tr>
<td>B7212</td>
<td>700</td>
<td>12.9 to 13.0 V.</td>
</tr>
<tr>
<td>B7213</td>
<td>1000</td>
<td>11.3 to 12.3 V.</td>
</tr>
</tbody>
</table>
```

YOUR PRICE \$30.00 EACH

220-110 VOLT AC-DC LINE, 1000-MD

A special cord with built-in resistor which permits the operation of any 234 ampere 110 Volt A.C.-D.C. receiver from a 220 Volt line. Includes plug and receptacle.

B9148. List $1.50. Net \$65.00

EUROPEAN ADAPTERS

Designed to adapt American sets for use with European wall outlets. Two types are available. Each.

B2710, Continental Adapter. \$18.00

B2711, Continental Adapter. \$18.00

PROTEX VOLTAGE REGULATOR

An air-cooled dependable voltage regulator. Fills any standard socket or outlet and will deliver correct voltage to any set. Small and inconspicuous in operation. Will give lasting service. Ships wt. \$3.75.

B3970. List \$2.85. Net \$30.00

CLAROSTAT A.C. LINE VOLTAGE REGULATOR

Automatically adjusts line voltage for all 110 Volt A.C. receivers. Price is on a single unit. No. Type Watts

B3251 A. 60 to 150 300 B. 150 to 250

B3252 A. 60 to 150 300 B. 150 to 250

B3253 A. 60 to 150 300 B. 150 to 250

B3254 A. 60 to 150 300 B. 150 to 250

YOUR PRICE \$1.75 NET \$49.00
SERVICE 12,000 DIFFERENT RADIO SETS!

THE MALLORY-TAXLEY
RADIO ENCYCLOPEDIA
SHOWS YOU HOW

The most useful book ever published for the service man--with over
12,000 illustrated pages, over 10,000 hand-drawn diagrams, complete analysis of
any radio, tube, or condenser configuration. Shows the way to make all service
problems--complete analysis of over 12,000 sets--data on all tube types, volume
controls, tone controls, tube line-up, condenser changes, transister and
circuit analysis, too. Thoroughly indexed, this book enables the service
man to provide efficient, economical, and easy repair service.

$11801

DRY ELECTROLYTIC CONDENSERS
CARDBOARD Cased

Small and compact, replacement condensers. Instant replacement.

IN METAL CANS

High in efficiency. Now internal compression method. All-volt-
age ratings; sealed against humidity and corrosion damage. Hose-
°-cored leads; mounting nut and washer. Metal insulated. Marked
outstandingly small but highly efficient. Ideal units for all require-
ments.

No. Mfd. Type Size Net

B11784 4-6 RN 241 3 3/16" $0.85
B11785 4-8 RN 241 3 3/16" 0.99
B11786 4-8 RN 245 3 3/16" 1.65

IN METAL CANS

B11794 4-6 RN 241 3 3/16" $0.85
B11795 4-8 RN 241 3 3/16" 0.99
B11796 4-8 RN 245 3 3/16" 1.65

MULTIPLE SECTION SEPARATE NEGATIVES

No. Mfd. Type Size Net

B11786 4-8 RN 245 3 3/16" $0.85
B11787 4-8 RN 245 3 3/16" 0.99
B11788 4-8 RN 245 3 3/16" 1.65

MULTIPLE SECTION SEPARATE NEGATIVES

No. Mfd. Type Size Net

B11796 4-8 RN 245 3 3/16" $0.85
B11797 4-8 RN 245 3 3/16" 0.99
B11798 4-8 RN 245 3 3/16" 1.65

REPLACEMENT MULTIPLE SECTIONS

No. Mfd. Type Size Net

B11780 4-6 RM 261 3 3/16" $0.85
B11781 4-8 RM 261 3 3/16" 0.99
B11782 4-8 RM 265 3 3/16" 1.35

WET ELECTROLYTIC

No. Mfd. Type Size Net

B11793 5-6 WE 840 1 3/16" $1.25
B11794 5-8 WE 840 1 3/16" 1.55
B11795 5-8 WE 845 1 3/16" 1.90

MOTOR-STARTING CONDENSERS

TYPE MS

Used as replacements for faulty original units or for small units to speed
up slow-starting motors. For use with all makes of gasoline motors.

No. Mfd. Type Diameter Net

B11895 5-6 MS 640 2" $5.00
B11896 5-8 MS 640 2" 7.50
B11897 5-10 MS 640 2" 10.00
B11898 5-12 MS 640 2" 12.50

WET ELECTROLYTIC

Low power factor and efficient self-

therming characteristics are characteristics of these units

ideal for all heavy-duty filter requirements.

No. Mfd. Type Size Net

B11745 5-6 WE 840 1 3/16" $1.25
B11746 5-8 WE 840 1 3/16" 1.55
B11747 5-8 WE 845 1 3/16" 1.90

TUBULAR DRY ELECTROLYTICS

Especially designed for higher W.C. Low

leakage resistance. With 2" tightened

leads.

TS—SINGLE SECTION

No. Mfd. Type Size Net

B11725 5-6 TS 101 1 3/16" $1.25
B11726 5-8 TS 101 1 3/16" 1.55
B11727 5-10 TS 101 1 3/16" 2.00

TN—DUAL COMMON NEGATIVE

No. Mfd. Type Size Net

B11745 5-6 TN 100 1 3/16" $1.25
B11746 5-8 TN 100 1 3/16" 1.55
B11747 5-10 TN 100 1 3/16" 2.00

ASSOCIATED RADIO CORPORATION
333 W. JACKSON BLVD., CHICAGO, ILL.
CARTRIDGE CONDENSERS

These high-quality condensers are ideal for use in all R.F., I.F., and d.c. circuits and counting circuits. High leakage resistance: low power factor. Bonded to sturdy-impregnated moisture-proof containers. Materials of the highest degree of purity used. New: In-saturated mounting type. 1/4.72" x 3/8". Pigtail and lug types. Type 6 and C have metal terminals which may also be used for mounting. Highest quality mica units available.

MOLDED BAKELITE MICA CONDENSERS

Genuine bakelite molded units available in three convenient mounting styles. Highest quality, mica dielectric and bakelite case. New: In-saturated mounting type. 1/4.72" x 3/8". Pigtail and lug types. Type 6 and C have metal terminals which may also be used for mounting. Highest quality mica units available.

HANDBY CONDENSER ASSORTMENT

Complete assortments of popular sizes used in service work. Attached on a strip for hanging on the wall or carrying in your kit. 12 condensers to a strip, one of each value.

EXACT DUPLICATE CONDENSERS ELECTROLYTIC CONDENSERS

These condensers have exact electrical and physical characteristics, exactly identical to the originals they replace. We can also supply other popular equivalent duplicate condensers not listed here, such as your old condenser unit with desired. Indicating make, model, and tube line-up of set, and we will duplicate it.

CONDENSER BLOCKS

Highest quality replacement condensers and blocks. These units have higher safety factor than originals. Exact physical and electrical duplicates. No rehulling 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.

WAXED UNCASED REPAIR SECTIONS

War-damaged units for replacement use in filter block repairing. Compact; high dielectric resistance. 67 color-coded leads are of heat-proof phosphor-wire.

SPARTAN TUBULAR REPLACEMENT

Exact duplicate 400 volt units for wartime sets. With tapped hole and mounting lug.

**OUR PRICES ARE ALWAYS LOWER—WE WILL NOT BE UNDERSALE**
DRY ELECTROLYTIC CONDENSERS

CARDBOARD BOXES

Single and multiple section electrolytic condensers in quantities adaptable to practically any service work. High quality and ideally suited for limited installation in custom-built sets. Carefully packed, wax-chilled cardboard containers for maximum durability. These condensers and sturdy units are equipped with long insulated wires and leads that allow the utmost flexibility in mounting. 550 D.C. volts; 450 D.C. working volts.

<table>
<thead>
<tr>
<th>No.</th>
<th>Mfd.</th>
<th>Size</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3626</td>
<td>8-2</td>
<td>$1.94</td>
<td></td>
</tr>
<tr>
<td>B3627</td>
<td>1-2</td>
<td>$2.96</td>
<td></td>
</tr>
<tr>
<td>B3628</td>
<td>1-4</td>
<td>$2.60</td>
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<td>B3629</td>
<td>1-6</td>
<td>$2.32</td>
<td></td>
</tr>
<tr>
<td>B3630</td>
<td>4-4</td>
<td>$1.36</td>
<td></td>
</tr>
<tr>
<td>B3631</td>
<td>4-6</td>
<td>$1.86</td>
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<td>2-6</td>
<td>$2.30</td>
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</tr>
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<td>B3633</td>
<td>4-8</td>
<td>$2.70</td>
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<tr>
<td>B3634</td>
<td>8-8</td>
<td>$3.10</td>
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MULTIPLE SECTIONS

<table>
<thead>
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<th>Mfd.</th>
<th>Size</th>
<th>NET</th>
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</thead>
<tbody>
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<td>$2.14</td>
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</tr>
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<tr>
<td>B3641</td>
<td>24-30</td>
<td>$4.20</td>
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</tbody>
</table>

ALUMINUM-COATED CARDBOARD CONTAINERS

For heavy-duty filter work in radio sets and amplifiers, etc. Self-healing properties and ability to withstand voltages over 100% of rated value make them desirable for setting condensers. 450 D.C. working volts. 550 D.C. volts. A.C. working volts.

<table>
<thead>
<tr>
<th>No.</th>
<th>Mfd.</th>
<th>Size</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3626</td>
<td>8-2</td>
<td>$1.94</td>
<td></td>
</tr>
<tr>
<td>B3627</td>
<td>1-2</td>
<td>$2.96</td>
<td></td>
</tr>
<tr>
<td>B3628</td>
<td>1-4</td>
<td>$2.60</td>
<td></td>
</tr>
<tr>
<td>B3629</td>
<td>1-6</td>
<td>$2.32</td>
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</tr>
<tr>
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<td>$1.36</td>
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<td>4-6</td>
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<td>B3633</td>
<td>4-8</td>
<td>$2.70</td>
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</tr>
<tr>
<td>B3634</td>
<td>8-8</td>
<td>$3.10</td>
<td></td>
</tr>
</tbody>
</table>

LOW VOLTAGE ELECTROLYTICS

For use in heavy-duty filter work. All cards are packed in cardboard containers. Spade lugs are provided for easy mounting. Flexible insulated leads. Rigid ground leads are provided for setting condensers. 450 D.C. working volts. 550 D.C. volts. A.C. working volts.

<table>
<thead>
<tr>
<th>No.</th>
<th>Mfd.</th>
<th>Size</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3626</td>
<td>8-2</td>
<td>$1.94</td>
<td></td>
</tr>
<tr>
<td>B3627</td>
<td>1-2</td>
<td>$2.96</td>
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</tr>
<tr>
<td>B3628</td>
<td>1-4</td>
<td>$2.60</td>
<td></td>
</tr>
<tr>
<td>B3629</td>
<td>1-6</td>
<td>$2.32</td>
<td></td>
</tr>
<tr>
<td>B3630</td>
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</tr>
<tr>
<td>B3634</td>
<td>8-8</td>
<td>$3.10</td>
<td></td>
</tr>
</tbody>
</table>

VOLTAGE DOUBLING DUAL SECTIONS

Especially designed for A.C. radio sets which work on high voltage d.c. circuits using two 222 tubes. With 1 inch insulated wire-lead—2 black and 2 red. Each section is a separate condenser section.

<table>
<thead>
<tr>
<th>No.</th>
<th>Mfd.</th>
<th>Size</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3626</td>
<td>8-2</td>
<td>$1.94</td>
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</tr>
<tr>
<td>B3627</td>
<td>1-2</td>
<td>$2.96</td>
<td></td>
</tr>
<tr>
<td>B3628</td>
<td>1-4</td>
<td>$2.60</td>
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</tr>
<tr>
<td>B3629</td>
<td>1-6</td>
<td>$2.32</td>
<td></td>
</tr>
<tr>
<td>B3630</td>
<td>4-4</td>
<td>$1.36</td>
<td></td>
</tr>
<tr>
<td>B3631</td>
<td>4-6</td>
<td>$1.86</td>
<td></td>
</tr>
<tr>
<td>B3632</td>
<td>2-6</td>
<td>$2.30</td>
<td></td>
</tr>
<tr>
<td>B3633</td>
<td>4-8</td>
<td>$2.70</td>
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</tr>
<tr>
<td>B3634</td>
<td>8-8</td>
<td>$3.10</td>
<td></td>
</tr>
</tbody>
</table>

CARDBOARD METAL CANS

High-grade units encased in impregnated moisture-proof cardboard, with 2 hard wire leads. Length. 2.3" diameter. 0.37" High capacity at small cost. Efficient units.

<table>
<thead>
<tr>
<th>No.</th>
<th>Mfd.</th>
<th>Size</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3626</td>
<td>8-2</td>
<td>$1.94</td>
<td></td>
</tr>
<tr>
<td>B3627</td>
<td>1-2</td>
<td>$2.96</td>
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<tr>
<td>B3628</td>
<td>1-4</td>
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<tr>
<td>B3629</td>
<td>1-6</td>
<td>$2.32</td>
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</tr>
<tr>
<td>B3630</td>
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<td></td>
</tr>
<tr>
<td>B3631</td>
<td>4-6</td>
<td>$1.86</td>
<td></td>
</tr>
<tr>
<td>B3632</td>
<td>2-6</td>
<td>$2.30</td>
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<tr>
<td>B3633</td>
<td>4-8</td>
<td>$2.70</td>
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</tr>
<tr>
<td>B3634</td>
<td>8-8</td>
<td>$3.10</td>
<td></td>
</tr>
</tbody>
</table>

CARTRIDGE TYPE DRY ELECTROLYTICS

High-grade units encased in impregnated moisture-proof cardboard, with 2 hard wire leads. Length. 2.3" diameter. 0.37" High capacity at small cost. Efficient units.

<table>
<thead>
<tr>
<th>No.</th>
<th>Mfd.</th>
<th>Size</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3626</td>
<td>8-2</td>
<td>$1.94</td>
<td></td>
</tr>
<tr>
<td>B3627</td>
<td>1-2</td>
<td>$2.96</td>
<td></td>
</tr>
<tr>
<td>B3628</td>
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<tr>
<td>B3629</td>
<td>1-6</td>
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<td>B3630</td>
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<td>2-6</td>
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<td></td>
</tr>
<tr>
<td>B3633</td>
<td>4-8</td>
<td>$2.70</td>
<td></td>
</tr>
<tr>
<td>B3634</td>
<td>8-8</td>
<td>$3.10</td>
<td></td>
</tr>
</tbody>
</table>
CARTRIDGE CONDENSERS

Conservatively rated compact, non-inductive paper condensers, sealed in the impressed paper tubes, with wire leads. Dual section units have common lug for convenient mounting.

<table>
<thead>
<tr>
<th>300 Volt</th>
<th>600 Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>B6690</td>
<td>.001</td>
</tr>
<tr>
<td>B6692</td>
<td>.050</td>
</tr>
</tbody>
</table>

ULETRA-COMPACT GLS INVERTED

An ultra-compact metal can electrolytic for general replacement purposes.写的中文为：“ULTRA-COMPACT GLS INVERTED

A compact electrolytic suitable for general replacement purposes.”}

SMALL CARDBOARD DRY ELECTROLYTICs

Small, narrow, sealed units. Consistently rated to stand up under hard service in all condensers; thoroughly impregnated and baked at 450°F. Designed for mounting in radio and television sets. Each unit of multiple units has separate leads.

| TYPE PBS-400 | TYPE PBS-400 |
| B6870 | 2 | $0.38 | 6.4 | B6870 | 2 | $0.37 | 6.4 |
| B6871 | 4 | $0.55 | 6.4 | B6871 | 4 | $0.55 | 6.4 |
| B6872 | 8 | $0.84 | 6.4 | B6872 | 8 | $0.84 | 6.4 |
| B6873 | 16 | $1.29 | 6.4 | B6873 | 16 | $1.29 | 6.4 |

TUBULAR CONDENSERS

Light and compact units for replacement in radio and construction work. Ideal for use in rf applications. Units with negative polarity terminals for inverted mounting.

| TYPE PBS-800 | TYPE PBS-800 |
| B6874 | 4-4 | $0.39 | 6.4 | B6874 | 4-4 | $0.39 | 6.4 |
| B6875 | 8-8 | $0.78 | 6.4 | B6875 | 8-8 | $0.78 | 6.4 |
| B6876 | 16-16 | $1.12 | 6.4 | B6876 | 16-16 | $1.12 | 6.4 |

UNIVERSAL MOUNTING MULTIPLE SECTIONS

These high quality dry electrolytic condensers are ideal replacements for a large number of popular radio receivers. Absolutely dependable units, hermetically sealed. Supplied with clamping brackets for panel mounting.

| TYPE E-450 UPRIGHT | TYPE E-450 UPRIGHT |
| B6765 | 5-15 | $1.35 | 4 | B6765 | 5-15 | $1.35 | 4 |
| B6766 | 6-8 | $1.45 | 4 | B6766 | 6-8 | $1.45 | 4 |
| B6767 | 8-8 | $2.12 | 4 | B6767 | 8-8 | $2.12 | 4 |

WET ELECTROLYTICs

TYPE PG. Use these electrolytics for heavy-duty work where dry units are not possible. Positively non-leaking. 500 volts through! No. 22749. All units have nut and stud members.

| Stock | Mfd. | Size | Res. |
| B6843 | 4 | $0.47 | 4 |
| B6844 | 6 | $0.60 | 6 |
| B6845 | 8 | $0.78 | 8 |
| B6846 | 12 | $0.84 | 12 |
| B6847 | 16 | $0.96 | 16 |
| B6848 | 20 | $1.12 | 20 |
| B6849 | 30 | $1.40 | 30 |
V. B. B. MICA CONDENSERS

MOLDED BAKELITE MICA CONDENSERS

Ideal by-pass and coupling condensers for all RF, IF and audio circuits. Conventional working voltage ratings of 250 V. D.C. is based on test voltage of 1000 V. D.C. Type W are insulated to 600 V. D.C. Type L are insulated to 500 V. D.C. Type L, all capacities, are 1.5. The choice of discriminative service engineers and amateurs.
### TOBE ELECTROLYTIC CONDENSERS

**SURGPROOF TUBULAR CONDENSERS**

Spacer-saving non-inductive condensers. Varnish immersion for protection against grease moisture. Special metal end plates radiate heat from your soldered joints and prevent inter-metallic cavity changes. Easily supported through holes or wire loops. Each condenser has individual positive and negative leads, may easily be removed and replaced in case of failure, without breaking undamaged sections. Wax plus seal is provided for years of service. Condensers are against moisture. Flexible, insulated, color-coded leads are firmly fastened to sections. Operating voltage, 4 Volts D.C.

<table>
<thead>
<tr>
<th>Volts DC Peak</th>
<th>Mfd.</th>
<th>Mark.</th>
<th>Flare</th>
<th>Lead</th>
<th>1000 Volts</th>
<th>Gage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>525</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>526</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>527</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>528</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>529</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>530</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>531</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>532</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>533</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
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<tr>
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<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>535</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>536</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>537</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>538</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>539</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
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<td>.75</td>
</tr>
<tr>
<td>540</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>541</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>542</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>543</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
</tbody>
</table>

**STANDARD FLEXIDONS**

Ultra-compact condensers of latest design, may be fitted into practically any chassis. Suitable for any of our leads or soldering mounting. Voltage rated; designed to give long trouble-free service. Can be mounted in any position.

<table>
<thead>
<tr>
<th>V.D.C. Working</th>
<th>Mfd.</th>
<th>Mark.</th>
<th>Flare</th>
<th>Lead</th>
<th>1000 Volts</th>
<th>Gage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>475</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>476</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>477</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>478</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>479</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
</tbody>
</table>

**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. Some same as the STANDARD FLEXIDONS, but smaller and will stack up to any known combination. These individual sections have the highest quality and versatility. An assortment of these units will allow you to replace any section quickly and profitably. No delays causing extra duplicates. Take your sections, wrap them in wire them in, and the job is done faster than ever before.

<table>
<thead>
<tr>
<th>Volts D.C. Working</th>
<th>Mfd.</th>
<th>Mark.</th>
<th>Flare</th>
<th>Lead</th>
<th>1000 Volts</th>
<th>Gage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>560</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>561</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>562</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
<tr>
<td>563</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>17-32</td>
<td>10-14</td>
<td>16</td>
<td>.75</td>
</tr>
</tbody>
</table>

**NEW TUBIDIONS**

The Ideal compact condenser to use for universal applications with 3% condensers. Convenient to use in aluminum paper tubes. Complete moisture-proof. Tubular condensers have a long life under all types of climatic conditions. Ideal for storage of resistors, caps, capacitors, and other small parts as well as condensers. Conveniences for all purposes.

<table>
<thead>
<tr>
<th>Condensers</th>
<th>Mfd.</th>
<th>Wg. Volts</th>
<th>Mf</th>
<th>1000 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>564</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>10-14</td>
</tr>
<tr>
<td>565</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>10-14</td>
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<tr>
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<td>1/16</td>
<td>10-14</td>
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<tr>
<td>567</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>10-14</td>
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<tr>
<td>568</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>10-14</td>
</tr>
</tbody>
</table>

**SPECIAL UNITS FOR AC-DC RECEIVERS**

These combinations in a steel cabinet, allows voltages 3-350, 5-1000. The 3% condensers are provided for all types of condensers. Condensers for all purposes.

<table>
<thead>
<tr>
<th>Condensers</th>
<th>Mfd.</th>
<th>Wg. Volts</th>
<th>Mf</th>
<th>1000 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>569</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>10-14</td>
</tr>
<tr>
<td>570</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>10-14</td>
</tr>
<tr>
<td>571</td>
<td>.1</td>
<td>1%</td>
<td>1/16</td>
<td>10-14</td>
</tr>
</tbody>
</table>

**HANDY CONDENSER KITS WITH FREE METAL CABINETS**

These handy steel cabinets may be obtained FREE by purchase the fast-moving Tobe Replacement Condenser Kits. Offered in three useful assortments in convenient and substantial steel cabinet, staked, used. Cabins may be secured together as new kits are purchased. Handy for use of resistors, caps, caps, and other small parts as well as condensers. Conveniences for all purposes.

**KIT NO. 1**

Consists of the following Tobe Tubular Condensers in a steel cabinet, as follows: 1-1000, 5-100, 5-1, 3-35. Cabins: 3-1000, 5-1000, 5-1, 3-35. Include: B6522, WITH CABINET.

**KIT NO. 2**

Consists of the following filter section Tobe Tubular Condensers in a steel cabinet, as follows: 1-1000, 5-100, 5-1, 3-35. Include: B6524, WITH CABINET.

**KIT NO. 3**

Consists of the following filter section Tobe Tubular Condensers in a steel cabinet, as follows: 1-1000, 5-100, 5-1, 3-35. Include: B6526, WITH CABINET.
LOW-COST PHILCO
EXACT DUPLICATE POWER TRANSFORMERS

A newly developed line of high-quality exact duplicate power transformers. These units are exactly identical in every physical and electrical characteristic. They were produced only after thorough examination and testing, and are otherwise defective to replace all requirements.

VALUES IN

POWER TRANSFORMERS

KNOTT HIGH-QUALITY
POWER TRANSFORMERS

Splendid values in carefully designed and well-constructed compact power transformers. Only one quality material is used throughout. Conductor wire is for long-lived efficient service. Select a type in our line of transformers for practically every set requirement.

A TRANSFORMER FOR EVERY PURPOSE

Terminal arrangement troubles for sub-panel wiring is not necessary, being leads through closed base plate, stalled as corner bolts furnish running solid mounting. Ideal for in use in any new or older type. These transformers are of the shielded type, providing low cost, high-grade units for replacement purposes with superior quality for future protection.

FOR 2.5 Volt Tubes

Popular transformers for sub-panel wiring and sets using the 2.5 volt series of tubes.

For 2-24, 27, or 3-56, 57: 1-15. 47:
11.7 V. at 50-60 cycles.
Primary: 115 V. at 50-60 cycles.
Sec.: 3.5 V. at 50-60 cycles.
$1.75
B11675. YOUR PRICE 75c

FOR 6 Volt Tubes

Really unusual buys in high-quality uniform set transformers for the 6.3 volt series of tubes.

For 2 or 3-76, 78, 6D5, 6F7: 1-41, 42, 6F6; 1-40, 52A.
Primary: 115 V. at 50-60 cycles.
Sec.: 650 V. at 40 M.A.-C.T.
$1.05
B11678. YOUR PRICE 75c

NEW UTAH POWER TRANSFORMERS

First quality low-cost genuine Utah replacement transformers. Ideal for either field-repair or for custom-built receivers. Overall shielded transformer are usually extra to尤为重要, with special care especially designed for high-quality components and maximum life. Terminals and leads are especially made for quick accurate connection. Units listed below are the most popular demand types.

FOR 6.3 Volt Tubes

Really unusual buys in high-quality uniform set transformers for the 6.3 volt series of tubes.

For 3 or 4-77, 78, 6C6, 6D6, 6J7, 6K7: 1-41, 42, 6F6, 60, 52A.
Primary: 115 V., 50 cycles.
Sec.: 75 V. at 75 M.A.-C.T.
3.5 V. at 1.6 Amps.
$1.93
B1289. List. $1.93

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has reduced lead instead of leads.

For 5 or 6 TUBE SETS

HALF-SHELL TYPE

For 5-76, 77, 78, 6C6, 6D6, 6J7, 6K7: 2-41, 42, 6F6; 1-40, 52A.
Primary: 115 V., 50 cycles.
Sec.: 75 V. at 75 M.A.-C.T.
3.5 V. at 1.6 Amps.
$1.85
B1290. List. $2.85

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has reduced lead instead of leads.

For 7 or 8 TUBE SETS

HALF-SHELL TYPE

For 6-76, 77, 78, 6C6, 6D6, 6J7, 6K7:
1-41, 42, 6F6; 1-40, 52A.
Primary: 115 V., 50 cycles.
Sec.: 75 V. at 75 M.A.-C.T.
$2.00
B1291. List. $2.00

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has reduced lead instead of leads.

For 11 or 13 TUBE SETS

HALF-SHELL TYPE

For 7-76, 78, 6C6, 6D6, 6J7, 6K7:
1-2-41, 42, 6F6; 1-40, 52A.
Primary: 115 V., 50 cycles.
Sec.: 75 V. at 75 M.A.-C.T.
$2.20
B1292. List. $2.20

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has reduced lead instead of leads.

FOR 120 VOLTAGE TUBES

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has reduced lead instead of leads.

For 120 Volt Tubes

FULLY SHIELDED TYPE

Same characteristics as transformer above except fully shielded. Has reduced lead instead of leads.

For 120 Volt Tubes

Only one of their type is used. They were produced only after thorough examination and testing, and are otherwise defective to replace all requirements.

FOR COMPLETE INDEX SEE PAGES 143-144
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 and workmanship are used in their manufacture. Electrically and physically sturdy in construction with every feature designed to fulfill their manufacture painstaking demands. Listed for 110 Volts 60 cycle operation and voltages are available at extra cost. Please send deposit with order or write for price.

TRANFORMERS

<table>
<thead>
<tr>
<th>Transf.</th>
<th>DIMENSIONS</th>
<th>W.</th>
<th>H.</th>
<th>D.</th>
<th>M.T.</th>
<th>NOLES</th>
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<tbody>
<tr>
<td>T-70R61</td>
<td>4 3/4 x 11 3/4</td>
<td>5 1/2</td>
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<td>6</td>
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</tbody>
</table>

NEW UNIVERSAL DUPLICATE TRANSFORMERS

ALL-PURPOSE TYPES

A radically new line of transformers designed to meet the requirements of every user and service. The type of case meets all mounting requirements universally. The special mounting brackets supplied. Perfect for the experimenter’s purse and the service’s pocketbook. Easy to make next installations. Secondary connections to meet requirements of any transformer. Completely shielded electrically and magnetically. Designed for long service. Primarily for 110 Volt 60 cycle circuits.

TRANFORMERS

<table>
<thead>
<tr>
<th>Transf.</th>
<th>DIMENSIONS</th>
<th>W.</th>
<th>H.</th>
<th>D.</th>
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<td>3</td>
<td>3 1/2</td>
<td>1 1/4</td>
</tr>
</tbody>
</table>

REPLACEMENT ENCYCLOPEDIA

A brand new 32-page book that tells you how to use, install, replace, and almost any set. Enables users to correspond with the manufacturer for minimum stock requirements. The service offers the service more sets perfectly than will any other assemblage. This book will be of use to most users. A real service necessity.

BI1004. YOUR COST ONLY $1.50 or send for第三届号 trial of American Radio Corporation, 833 W. Jackson Blvd., Chicago, Ill., 63
LOWER PRICES—BIGGER PROFITS

Exact Duplicate Power Transformers

Presto-built transformers which conform exactly to original manufacturers' specifications of physical and electrical characteristics. Current ratings are accurate and assure proper operation and long life. Easily and quickly installed. No rerolling or rewinding is necessary. Through these new items you can easily and quickly install Exact Duplicate Power Transformers for practically any set. Ask for FREE copy of the Exact Duplicate Power Transformer Catalog, with your next order.

Models

<table>
<thead>
<tr>
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<td>B1159 $4.16</td>
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STANCOR

EXACT DUPLICATE POWER TRANSFORMERS

LOWER PRICES—BIGGER PROFITS

Dealers' Price List

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<th>No.</th>
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<td>B1165 $4.70</td>
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Exact Duplicate Vibrator Transformers

For replacing defective vibrator transformers on early auto radio sets operating from 6 volt, storage batteries or other low voltage D.C. circuits. Complies exactly with vibrator's original in electrical and physical characteristics, carefully designed to provide long life, and excellent service.

Models

<table>
<thead>
<tr>
<th>No.</th>
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<tr>
<td>MOTOROLA</td>
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<td>B1122 $2.76</td>
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<td>B1123 $2.76</td>
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<td>B1124 $2.76</td>
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<td>B1125 $2.76</td>
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<td>B1126 $2.12</td>
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</table>

STANCOR REPLACEMENT TRANSFORMER FOILS

Keith, these hard-to-find power transformer parts with the exact duplicate foil listed below. Save time and money by replacing the old transformer as good as new.

Models

<table>
<thead>
<tr>
<th>No.</th>
<th>NET</th>
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<tr>
<td>BOSCH</td>
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<tr>
<td>B1164 $1.03</td>
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</table>

STANCOR POWER PACK

For Models 40, 42, etc.

An exact duplicate power pack that will replace defective or others with minimum fuss and trouble. For A. K. 40, 40F, 42, 42F, 44, 44F, 45, 52.

ATTWATER-KENT POWER PACK

$8.85

POWER TRANSFORMERS REBUILT LIKE NEW

Service you will like.

We will rebuild any defective power transformers to exact original specifications. Rewinding is expertly done, quickly and economically. We use the original core 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. Send with order number, size and other data. We can help you increase your profits and goodwill with new, efficient transformer repair jobs.

We pay return postage.
The latest Thordarson high quality transformers, designed for practically every input and output application, are precision-built. A complete listing will be found in the listing below. All units have been carefully designed, and are precision-built.

### Transformers for New 6L6 Tubes

**B1100**. T60906. Plate Transformer. Fig. 2-A. Specifically designed to replace or upgrade existing transformers for amplifiers and power supplies. All voltages to 6L6's. Full scale input current, 150 ma. and 1000 ma. at 150 volts. Terminal screw connections. Net. $11.55 each. 

**B11073**. T8455E. Output Transformer. Fig. 2-B. For coupling push-pull Class AB 6L6's to 4, 6 or 15 ohm voice coil or 500 ohm line. Max. voltage 300 volts at 500 ma. Net. $3.53 each. 

**B11086**. T80195. Driver Transformer. Fig. 2-C. For coupling push-pull Class AB 6L6's to 4, 6 or 15 ohm voice coil or 500 ohm line. Max. voltage 300 volts at 500 ma. Net. $2.06 each. 

**B11103**. T81670. Modulation Transformer. Fig. 2-D. For coupling PP 6SL7's, 76's, etc. to PP 6L6's with grid leak. Terminal screw connections. Max. voltage 300 volts at 500 ma. Net. $3.53 each. 

**B11014**. T79084. Filament Transformer. Fig. 2-E. Primary winding 115 volts. Net. $1.47 each. 

**B11021**. T87760. Transformer kit. 18 volt amplifier kit. Complete kit offers more than 80 transformers. Net. $33.53 each.

**81 WATT AMPLIFIER KIT**

Build your own high-quality high-power amplifier using this new, superior Thordarson 18 Watt Class A circuit. Complete kit offered below has all components matched. Easy to build, superior in operation. Universal input for any microphone; includes supply for 1 to 4 speakers; built-in pre-amplifier, built-in tone control, built-in power transformer with secondary for 1 to 3, 3 line, 2 line, 2 line 300 ohms. Drive full 18 watts with unatched tone quality.

**FOUNDATION UNIT TSK15K-M**

Contains separate amplifier and power supply sections, with sockets mounted in metal and glass essential holes drilled: also includes 1 sub-assembly base, 4-resistor mounting strip, input and output terminal strips, and complete diagrams and instructions. 

$33.53

**18 WATT AMPLIFIER KIT**

$16.16

**COMPLETE PARTS KIT**

$12.25

**Thordarson Sound Manual**

New edition. Contains valuable information on the new metal and glass tube power circuit. Covers amplifiers, simulators, etc. 

$9.00

**Thordarson Kit Foundation Tubing, etc.**

SEND FOR DETAILED FREE PARTS LISTS AND DESCRIPTIONS.

$12.25
THORDARSON TRANSFORMERS

Dependable audio units assuring good reproduction at attractive low prices. Unique design simplifies work.

STRAIGHT AUDIO TRANSFORMERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>Fig.</th>
<th>Size</th>
<th>Net</th>
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<td>B11121</td>
<td>T12A25</td>
<td>2-C</td>
<td>3:1</td>
<td>$1.75</td>
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<tr>
<td>B11123</td>
<td>T12A27</td>
<td>2-B</td>
<td>3:1</td>
<td>$1.75</td>
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<tr>
<td>B11125</td>
<td>T12A29</td>
<td>2-F</td>
<td>3:1</td>
<td>$1.75</td>
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* Has static shield between primary and secondary.

PUSH-PULL INPUTS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>Fig.</th>
<th>Size</th>
<th>List</th>
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<td>B11122</td>
<td>T12A26</td>
<td>2-A</td>
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<tr>
<td>B11124</td>
<td>T12A28</td>
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PUSH-PULL INTERSTAGE

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<td>B11133</td>
<td>T13A24</td>
<td>2-F</td>
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PUSH-PULL OUTPUT TRANSFORMERS

<table>
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<tr>
<td>B11141</td>
<td>T14C16</td>
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PLATE CHOKES

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FILTER CHOKES

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<td>$1.50</td>
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</table>

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 9/16" X 2 1/4". Mfg. wt. 2 lbs. B11644. YOUR PRICE.............. 75¢

UNIVERSAL OUTPUT

This transformer couples practically any lower tubes, either single or push-pull and dynamic or magnetic speaker. Has Universal mounting bracket. Size 2 7/8" X 2 3/4". With instructions. Shpg. wt. 2 lbs. B11645. YOUR PRICE.............. 75¢

STANDARD AUDIO

Ideally suited for replacement purposes. Open type construction as illustrated. 3/4" X 3/4". Mfg. wt. 2 lbs. each. B11647. ¥1.10. STRAIGHT audio, 1 plate to 1 grid. B11648. 4-1 P.P. input, 1 plate to 2 grids. B11649. 3-1 P.P. input, 3 plates to 2 grids. NET EACH.............. 75¢

HEAVY-DUTY UNIVERSAL OUTPUT

A heavy-duty, unshielded transformer for universal application. Will accurately match any single or push-pull output stage to any speaker voice coil. Stg. wt. 2 lbs. B111005. YOUR PRICE.............. 95¢

FILTER CHOKES

Open type construction, with leads. Size 1 1/2" X 2 1/2". B11650. 25 henries at 25 MA. 850 ohms DC resistance. YOUR PRICE.............. 83¢

B11651. 25 henries at 60 MA. 325 ohms DC resistance. YOUR PRICE.............. 85¢

B11652. 20 henries at 150 MA. 850 ohms DC resistance. YOUR PRICE.............. 95¢

B11654. 750 henries at 5 MA. 2500 ohms DC resistance. Plate coupled choke for cross impedances at audio frequencies. YOUR PRICE.............. 94¢

MICROPHONE TRANSFORMER

Suitable for single or double button microphone. Tapped primary. Open frame type. 1 1/8" X 1 1/2". Mfg. Cent. 29¢. B11655. YOUR PRICE.............. 68¢

SPECIAL AUDIO TRANSFORMERS

Real buys. Well-built and substantial, Open frames. B11656. 2 to 1 audio. 1 1/8" X 1 1/2". Mfg. Cent. 29¢. B11657. Push-pull input. Open frame type. 1 1/8" X 1 1/2". Mfg. Cent. 35¢. B11658. YOUR PRICE.............. 65¢

OUTPUT TRANSFORMERS

To feed into 8 to 15 ohm voice coil. Open frame. B11659. Single 45, 43, 48, 59, 71A. 1 1/8" X 1 1/2". 150 MA. B11660. Semi 47, 2A9, 42, 43, 42, 43. Size 1 1/8" X 1 1/2". 325 MA. B11661. Push-pull 45, 2A9, 42, 43. Size 1 1/2" X 1 1/2". 650 MA. B11662. YOUR PRICE.............. 69¢

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 to 6 to 10 ohm voice coils of dynamic speakers.

SINGLE

B11663. A203. 43, 45, 48, 59, 71A tubes. Size 2 1/4" X 2 1/2". Mfg. centers 2 lb. List $1.10. NET.............. 65¢

B11664. A209. 45, 48, 59, 71A tubes. Size 2 1/4" X 2 1/2". Mfg. centers 2 lb. List $1.10. NET.............. 65¢

B11665. A220. 43, 45, 48, 59, 71A tubes. Size 2 1/4" X 2 1/2". Mfg. centers 2 lb. List $1.10. NET.............. 65¢

B11666. A222. 43, 45, 48, 59, 71A tubes. Size 2 1/4" X 2 1/2". Mfg. centers 2 lb. List $1.10. NET.............. 65¢

B11667. A223. 43, 45, 48, 59, 71A tubes. Size 2 1/4" X 2 1/2". Mfg. centers 2 lb. List $1.10. NET.............. 65¢

B11668. A224. 43, 45, 48, 59, 71A tubes. Size 2 1/4" X 2 1/2". Mfg. centers 2 lb. List $1.10. NET.............. 65¢

SHIELDED MICROPHONE TRANSFORMERS

B6050. Single button coupling transformer. Turn ratio 1 to 64; Impedance ratio 1 to 4800. For single button microphone. Fully shielded. B6051. Two button type. To couple any double button carbon microphones to single grid. Turn ratio 1 to 256. Fully shielded. B6051. YOUR PRICE.............. 1.32

THORDARSON TRANSFORMERS

Dependable audio units assuring good reproduction at attractive low prices. Unique design simplifies work.
THORDARSON TRU-FIDELITY TRANSFORMERS

Line or Mike to Single Grid
Type T-90-A. Intended for coupling a line, microphone or voice into the grid of any tube operating on any plate voltages. 600", 150", 250", 200", 125", and 50 ohms. Secondary impedance, 75,000 and 18,750 ohms. B1170. NET . . . . . $8.53

Line or Mike to P.P. Grids
Type T-90-AI. For coupling a line or mike into the grid of pull-push tube, grid impedance, same as T-90-A above. Secondary Imp. 150,000 and 7,500 ohms. B1171. NET . . . . . $10.88

Line or Mike to Single Grid
Type T-90-AI. Intended for coupling a single triode type tube to provide a single line without coupling capacitors. Primary impedances are 10,000 and 20,000 ohms, Secondary 60,000 and 100,000 ohms. B1178. NET . . . . . $5.88

Crystal Pipe or Mike to Line

Audio Reactor
Type T-90-A4. For coupling push-pull circuits, etc. Has insulation of 250,000 volts at 1.0 M. A. D.C., or 132 volts at 18 M. A. B1182. NET . . . . . $5.88

P. P. Plates to P. P. Grids
Type T-90-A6. For applications which require coupling of push-pull triode type tubes into push-pull output stages. Primary impedances are 20,000 and 5,000 ohms. Secondary, 41,960, 16,150 ohms. B1170. NET . . . . . $7.35

LOW IMPEDANCE SOURCE TO GRID

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
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<th>Secondary Oms</th>
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<td>B1127</td>
<td>T-15A46</td>
<td>500, 333, 250</td>
<td>60,000/15,000</td>
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<td>B1128</td>
<td>T-15A67</td>
<td>500, 150, 50</td>
<td>60,000/333/250</td>
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<td>T-15A50</td>
<td>500, 333, 250</td>
<td>60,000/15,000</td>
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<td>B1130</td>
<td>T-15A80</td>
<td>200, 125, 50</td>
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<td>B1131</td>
<td>T-15A70</td>
<td>15, 10, 5, 2.5</td>
<td>Single Grid</td>
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LOW IMPEDANCE SOURCE TO LINE OR MIXER

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<td>B1132</td>
<td>T-15A1</td>
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<td>T-15A2</td>
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INTERTUBE COUPLING TRANSFORMERS (CLASS A)

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<th>No.</th>
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UNIVERSAL AUDIO REPLACEMENT TRANSFORMER

A small, compact audio unit for use in any AC or DC set. Made of high silicon steel with accurate machine-milled coil. The Jefferson Universal is supplied with two sets of brackets for horizontal or vertical mounting. Height, 2 1/2" to 3 1/2". Popular for use in any kind of loudspeaker equipment. Price, $3.25 for all mounting purposes. Extra 1%, 2%, 4%. With flexible leads. Shipped wt. 2 lbs. B6025. Type 467-164. List. $1.25.

NEW JEFFERSON STAR SEALED TRANSFORMERS


MICROPHONE TRANSFORMERS

Microphones, Condenser-Button type tubes have turn ratio of 1 to 1, or 1 to 4, available in FLAT, W1, and S3 types with 30,000 cycles. These are low cost high quality units. B6036. Type 467-413. Flat, button, strap mounting. 2 x 3 x 3. List, 1 1/2% Shipped wt. 11/2 lbs. B6037. Type 467-414. Single button, strap mounting. 2 x 3 x 3. List, 1 1/2% Shipped wt. 1 1/2 lbs. B6038. Type 467-415. Single button, strap mounting. 2 x 3 x 3. List, 1 1/2% Shipped wt. 1 1/2 lbs. B6039. Type 467-416. Single button, strap mounting. 2 x 3 x 3. List, 1 1/2% Shipped wt. 1 1/2 lbs.

NEW JEFFERSON PLASTIC-SEALED TRANSFORMERS

A completely new line of transformers, hermetically sealed with a plastic coating. This coating has a high melting point and is inherently waterproof. It contains a liquid that permanently adheres to and seals all exposed surfaces and assures positive insulation. All other transformer characteristics remain the same.

ABSOLUTELY MOISTURE-FREE

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-milled, machine-milled, vacuum-dried and impregnated with a high grade lacquer-dried polyethylene. The ideal transformer where consistently dependable performance is desired. B6135. Type 467-438. List. $3.30. Your Price . . . . . $1.76

LINE TO VOICE COIL OUTPUT TRANSFORMER

A high-quality, heavy-duty transformer capable of handling up to 15 watts continuously; ideal for P.A. installations. Several of these transformers may be connected in series or parallel arrangements for coupling a number of speakers to a 500 ohm line. Primary impedance is 500 ohms, with taps at 500 and 250 ohms, for matching almost any line. Secondary is 3, 6, 9 and 15 ohms. B6136. Type 467-438. List. $3.30.

Chokes

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Our Prices Are Always Lower—We Will Not Be Undersold
Knight
INTEGRATED
SOUND SYSTEMS
WITH Exclusive Features

MODERN DESIGN
GIANT 12" SPEAKERS
EASY TO SET UP AND OPERATE
THERE IS A Knight P.A. SYSTEM FOR EVERY PURPOSE

GUARANTEE

All Knight Sound Systems are manufactured under license agreements 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 so designed 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. use, so as to assure maximum power, finest fidelity, and steadiness of 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

TABLE OF TERMS

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Write us for Terms on Orders of over $200.

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 Plans. Dealers, Service Men and Sound Specialists everywhere are voicing enthusiastic approval of our Time Payment Plans.

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.

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.

FREE CONSULTING SERVICE

We invite you to submit your Public Address problems to our Sound Engineers for authoritative aid and professional recommendations. Your request, 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 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, bakery, orchestra use, etc.; (2) State whether you desire portable or permanent equipment; (3) Advise us what current you have available; (4) If possible, supply us with a rough sketch indicating all important dimensions of area to be covered, (5) Indicate any special preferences you may have in regard to microphone, speakers, etc. State your requirements as clearly and completely as possible so that we can help you select the proper equipment promptly.
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 10,000 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 6L7 voltage amplifier tube and a 6L6 Beam Power Output tube provide a gain of 60 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 to a minimum ensuring ample output with fine fidelity. Hum level is exceptionally low. Drawn 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 phone 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 head-phone.

COMPLETE SYSTEM. The Knight 8 Watt Integrated Sound System comes complete with the following: "Little Giant" 8 Watt Amplifier, a high-grade full 8 1/2 inch dynamic speaker with 35 foot 4 conductor cable and polarized plug attached, a good quality double-button carbon microphone with 35 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, 0.5 A.C. Ship. wt. 36 lbs. (For portable case, see page 86.)

B12009. Complete Knight 8 Watt System.

\$23.85

YOUR PRICE: 85\$

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 1-6L7 and 1-6L6 metal tubes and 5Z4 rectifier. Has an excellent gain of 60 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-1 Ship. wt. 16 lbs.

B12008. Knight 8 Watt Amplifier only.

\$12.85

YOUR PRICE: 85\$

B12070. Kit of Raytheon Metal Tubes. NET 82.99
Knight 8 WATT High-Gain
$39.95

8 WATT CRYSTAL MICROPHONE SYSTEM

For the first time at a low price—this 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 small installations where limited output or effective reinforcement is desired. The new high-gain amplifier permits the direct use of the latest type of Crystal Microphone for unusual fine fidelity. A high-grade full 8½ inch electro-dynamic speaker capable handles full output. The new Knight 8 Watt Integrated High-Gain Sound System is distinguished for its solid design and appearance. It is compact, in operation, proving continuous, dependable performance. Each unit is carefully tested in our laboratory before shipment. Polarised connections and complete operating instructions permit quick and easy installation and operation.

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 "feedback" 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 reproduction. Each Knight 8 Watt High-Gain Sound System is manufactured under license arrangements with Astatic Laboratories, Inc., and Astatic Laboratories, Inc., by 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—6L8 as input tube, 2—6L8 as output tube, 3—6L8 as power output. 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. A pre-amplified Astatic circuit utilizing the latest metal tubes and operating instructions. For 110 Volts, 50 cycle, A.C. line. Shp. wt., 19 lbs. (For Portable Phonograph, see page 55.)
**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 9 x 7 x 2.7 inches. Weight, only 8.5 lbs. Has built-in mike and phonograph pickup. Develops full eight watts using 6L6G, 12AT7, and 5814 tubes with 324 rectifier. Has an excellent gain of 40 db for microphone, and 55 db for phonograph with essentially flat frequency response from 80 to 20,000 cycles. Supplies full output for one 1000 ohm dynamic speaker; output is from plate of 6L6. Has universal input for crystal, Velotrons or high-impedance velocity microphones and high-impedance magnetic pickup. For 110 volts, 60 cycles, A.C. Draws only 0.25 amp. Includes detail instructions. List, $30.00. YOUR PRICE $14.75. KNIGHT'S 8 Watt High-Gain Amplifier only, includes 5 tubes. List, $1.50. YOUR PRICE $3.95. Kit of Raytheon Metal Rectifiers for 8 Watt amplifiers. List, $3.95. YOUR PRICE $2.95. (All prices are for the most suitable carrying case for Knight 8 Watt High-Gain Amplifier.)

**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 large audiences. Ideal for musical organizations, lecturers, demonstrate, side-shows, etc. Uses the new Dual-Diaphragm Crystal Microphone for quiet performance and clear reproduction of both voice and music. Input is provided for the crystal microphone 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 watt 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; 8¾ x 12¾ x 16¾. 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 Porta-ble System includes: 1—Knight 8 Watt high-gain amplifier; 1—Atastic Dual-Diaphragm Crystal microphone mounted on an attractive bass stand, with 25 foot cable and polarized plug; 1—8½ inch Knight dynamic speaker with 25 foot cable and polarised plug. Entirely self-contained in a single sturdy carrying case. Complete with tubes and instructions. For operation on 110 Volt, 60 cycles, A.C. A wonderful value in a complete, compact full 8 watt portable system. LIST $45.75. YOUR PRICE $43.50.
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—6BS, 1—523. The two 615 tubes used as push-pull power amplifiers assure greater gain (15 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

Inputs 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 electric-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 watt 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 polarised 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 polarised plugs; complete Raytheon tube kit, and full instructions. For operation on 110 Volts, 60 cycles A.C. Ready for installation. Shp. wt. 55 lbs.

List, $127.50.
CASH PRICE, $63.50

(Note: See page 85 for Portable Phonograph, Speaker and Baffles. Make your order come to $75 or more and buy on our Easy Terms Plan.)
With Outstanding NEW FEATURES!

NEVER BEFORE SO MUCH PUBLIC ADDRESS VALUE!

NEWEST FEATURES:

- Universal Input for Crystal Velotron Velocity Sound Cell Mikes
- Built-in Pre-Amplifier
- Phone Input
- Tone Control
- Dual Mike Switch
- Electronic Mixer
- Universal Output
- Limited Gözial Controls
- Full 18 Watts Output
- Modern Design

WIDE FREQUENCY RANGE

Brilliant engineering has made the Knight 18 Watt Sound Systems ideal for sound reinforcement as well as for public address applications. The Knight 18 Watt Sound Systems are designed to meet the needs of a wide variety of applications, from small events to large venues. They are available in a range of sizes and output levels, allowing you to choose the perfect system for your needs.

GIGANT 12 Speaker

For suitably baffled and projectors which will give even wider coverage to the Knight 18 Watt Sound Systems, see listing on page 86.

POWERFUL CIRCUIT

The High-Gain Amplifier incorporated in the Knight 18 Watt Sound Systems. The amplifiers are designed to deliver high performance with exceptional fidelity. The amplifier is equipped with high-quality components, allowing for superior sound reproduction.

ELECTRONIC MIXER

Individual volume controls on each microphone and phonograph, permitting blending or fading as desired. The mixer is electronically controlled, allowing for fine adjustment of volume levels. This feature adds real versatility to the system, making it possible to achieve special effects and accommodate a wide range of applications.

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. It has universal input for high defeat microphones and phones. The amplifier is designed to give even wider coverage to the Knight 18 Watt Sound Systems, allowing for a wider range of applications.

VELOTRON SYSTEM

Complete Knight 18 Watt Sound System as described at left, but with a Velotron static microphone instead of Crystal microphone.

List, $59.75
CASH PRICE...

VELOCITY SYSTEM

Complete Knight 18 Watt Sound System as described at left, but with a Velocity static microphone instead of Crystal microphone.

List, $68.25
CASH PRICE...

SOUND CELL SYSTEM

Complete Knight 18 Watt Sound System as described at left, but with a Sound Cell static microphone instead of Crystal microphone.

List, $69.95
CASH PRICE...

TWO GIANT 12" SPEAKERS

For suitably baffled and speakers which will give even wider coverage to the Knight 18 Watt Sound Systems, see listing on page 86.

Individual volume controls are provided for both microphone and phonograph, permitting blending or fading as desired. "Mixing" action is electronically controlled in the channel. The mixer is designed to meet the needs of a wide variety of applications, from small events to large venues. They are available in a range of sizes and output levels, allowing you to choose the perfect system for your needs.

Two giant 12" Electrodynamic speakers are coupled with the Knight 18 Watt Sound Systems for rich, wide-frequency tonal range.

Has provision for use of additional microphone. Switch arrangement allows either mixer, phonograph, or other equipment to be "faded" or "mixed" as desired. The mixer is designed to meet the needs of a wide variety of applications, from small events to large venues. They are available in a range of sizes and output levels, allowing you to choose the perfect system for your needs.

List, $57.50
CASH PRICE...

$72.75

(To take advantage of our Time Payment Plan, bring your P.A. order up to $75 or more by adding portable phone, baffle or additional microphones and stands.)

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 76. 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.

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 large auditoriums. Particularly recommended for outdoor use in large athletic fields, in public parks, in music bands, at race tracks, circuses etc. New Universal Input permits the simultaneous use of 2 high impedance microphones such as: dual-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 1-6L6 as microphone preamplifiers, 2-6L6 as electronic mixer and voltage amplifiers, 2-655 as drivers, 2-6L6 as Electron Beam-power output tubes, 1-324 as fixed bias tube, 1-6X5 as Volume Indicator tube. This modern tube combination assures a gain of 122 db. for microphones and 63 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 acoustic conditions. All controls, including "on-off" switch are conveniently grouped on the front panel for ready accessibility.

VOLUME INDICATOR

CALIBRATED OUTPUT INDICATOR

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 Systems. They employ 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 23 ft. cables and polarized plugs; 2-Knight Microphones; 2-Knight Microphone Floor stands; 1-Knight 60 watt High Gain Amplifier; 4-type P.M. Dynamic speakers, each with 50 ft. cable and polarized plug; Raytheon tube kit and complete instructions. For 110 Volt 60 cycle A.C. operation. Only 100 lbs.

B12061. 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

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 $139.50

B12063. Knight 60 Watt System complete as described with 2—High-grade Velocity Microphones.

List $250.00
CASH PRICE $146.50

B12064. Knight 60 Watt System complete as described with 2—Brush Sound Cell Microphones.

List $250.00
CASH PRICE $154.00

AMPLIFIER ONLY

B12080. Knight 60 Watt Amplifier only with all features as described except 1x12DB47. For use on 110 volts 60 cycle A.C. or D.C. tube. 100 lbs.

List $100.00
CASH PRICE $49.50

B2075. Raytheon Tube Kit.

List $29.61
CASH PRICE $19.95

AMPLIFIER ONLY

B12081. Knight 60 Watt Amplifier only with all features as described except 1x12DB47. For use on 110 volts 60 cycle A.C. or D.C. tube. 100 lbs.

List $100.00
CASH PRICE $49.50

B2075. Raytheon Tube Kit.

List $29.61
CASH PRICE $19.95

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.
Complete 35 Watt Crystal System

$99.50 CASH PRICE

See page 70 for Time Payment Plan

DUAL CRYSTAL MIKES

- 2 Universal Mike Inputs
- Output Indicator
- Electronic Mixer
- Phone Input
- 6L6 Beam Power
- Universal Output
- Metal Tubes
- Polarized Connections
- Tone Control
- Full 35 Watts
- Modern Design

The newly designed circuit of the amplifier used in the 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 Sound Systems are manufactured under license arrangements with Electrical Research Products, Inc., subsidiary of Western Electric Co., Inc., Radio Corporation of America.

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. Each 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 auditions and hall programs, for theater stage presentation, for outdoor events, field days, etc. Also recommended for dance halls, convention halls, skating rinks, athletic fields, etc. The Knight High-Gain Integrated Sound System with three-channel electronic circuitry developed full 35 watts output. Has four high-gain stages using 26L6, 6N7, 12AX7, 12AU7, and 12AX7 metal tubes; and 12AX7. The frequency response is essentially flat from 50 to 10,000 C.P.S. Hum level is minus 35 db. These tube characteristics assure wide range fidelity and large output without distortion. Input is provided for a high impedance phone 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 12 inch Knight Electro-dynamic speakers supplied with the system handle full output, rendering wide range fidelity. The amplifier supplies all field current.

GIANT 35 WATTS OUTPUT

The newly designed circuit of the amplifier used in the Knight 35 Watt High-Gain Sound System has 4 high gain stages, using the latest metal tubes as follows: 26L6, 12AX7, 12AU7, and 12AX7 metal tubes (one for each microphone); 26L6, 12AX7, 12AX7, plus push pull Beam Power output stages. This circuit is extremely sensitive and permits the direct use of the two crystal microphones without external pre-amplification. Distortion is less than 1% at full 35 watt output.

OUTPUT INDICATOR

The exclusive new Output Indicator used in the Knight 35 Watt High-Gain Sound System enables you to see visually and feel the exact volume level at which the system is operating. Giant 35 watts output is continuously assured by the powerful circuit using 26L6 as push pull Beam Power Output Stage. The Knight 35 Watt High-Gain Sound System is built along entirely modern lines, incorporating exclusive new features in both design and construction. The amplifier is entirely housed in a brown receiver case with distinctive clean front. Inside, a highly polished, tan and cream colored, space-saving, full range, low distortion, speaker system. The complete system is effective for 100 watts with 100,000 C.P.S. hum level at minus 35 db.

3 CHANNEL MIXER

A unique circuit is provided for complete control of each microphone and for phonograph, by which the complete system permits full control of any degree of blending or mixing desired. One or both microphones may be used for singing or speech against a soft musical background from a phonograph or orchestra. Tone Control is also provided to accentuate desired tone 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, 12 inch Knight Dynamic Speakers and 600 watt Knight 35 Watt Amplifier, with 26L6 metal tubes, and 26L6, 12AX7, 12AX7, and 12AX7 metal tubes, is a complete high-quality system for use in theaters, churches, schools, and of course for playing records in your home. It is built along entirely modern lines, incorporating exclusive new features in both design and construction. The complete system is effective for 100 watts with 100,000 C.P.S. hum level at minus 35 db. For 100 volt, 60 cycle, A.C. $120.00 Complete 35 Watt High-Gain Crystal Microphone System. List, $200.00. CASH PRICE...

(See Page 85 for Portable Cases.) See page 76 for Time Payment Plan.)

Powerful DUAL-MIKE All-Purpose Sound Systems
VELOCITY SYSTEM

The Knight 35 Watt Sound System is complete as described with 2 high-grade Velocity Microphones; 1 multi-speed phonograph; 110 volt A.C. Shp. set., 12 inch Knight sound speakers; 35 watts per channel; with 2 true balanced microphone cables; and 2-35S Raytheon tubes. Cash price $112.50. List price $127.50. Available for 12 months at $10.00 a month. Better finish and better tubes, 40 watts per channel. Cash price $122.50. List price $137.50. Available for 12 months at $12.50 a month. The Knight 35 Watt Amplifier is available separately for replacement in high grade sound systems as initial equipment. Has input for two high impedance microphones, and phonographs. Your high gain microphone system, a gain of 120 db, permitting the direct use of low-level microphones without external pre-amplification. Uses 2-35S, 2-6X5, 1-6C6, 1-855 metal tubes; 1-30R rectifier. The amplifier has an exceptionally wide frequency response essentially flat to 16,000 cycles. Distortion under load is less than 7% at full volume. Hum level is less than 25 db. Field supply for 2-2000 ohm dynamic speakers is built in. Speakers provide 50 to 500 ohms. Polarization for dynamic microphones and amplifier is provided. Equipped with individual volume controls to maintain proper balance. A tone control is provided to attenuate the higher frequencies where "feedback" may be encountered. A C.C. switch is located on the lower right hand panel. The lower left hand panel measures 32" by 15", bottom to the floor, complete with all necessary controls and amplifiers. Better finish, with brown and grey finish attached. For 110 volts, 50 cycles. A.C. Shp. wt. 110 lbs. B12035. 15 Watt Amplifier, front. B120715. Raytheon Tube Kit. N.E.T. $17.50.

$92.50

VELOCITY SYSTEM

The Knight 35 Watt Sound System is complete as described with two high-grade Velocity Microphones; 1 multi-speed phonograph; 110 volt A.C. Shp. set., 12 inch Knight sound speakers; 35 watts per channel; with 2 true balanced microphone cables; and 2-35S Raytheon tubes. Cash price $112.50. List price $127.50. Available for 12 months at $10.00 a month. Better finish and better tubes, 40 watts per channel. Cash price $122.50. List price $137.50. Available for 12 months at $12.50 a month. The Knight 35 Watt Amplifier is available separately for replacement in high grade sound systems as initial equipment. Has input for two high impedance microphones, and phonographs. Your high gain microphone system, a gain of 120 db, permitting the direct use of low-level microphones without external pre-amplification. Uses 2-35S, 2-6X5, 1-6C6, 1-855 metal tubes; 1-30R rectifier. The amplifier has an exceptionally wide frequency response essentially flat to 16,000 cycles. Distortion under load is less than 7% at full volume. Hum level is less than 25 db. Field supply for 2-2000 ohm dynamic speakers is built in. Speakers provide 50 to 500 ohms. Polarization for dynamic microphones and amplifier is provided. Equipped with individual volume controls to maintain proper balance. A tone control is provided to attenuate the higher frequencies where "feedback" may be encountered. A C.C. switch is located on the lower right hand panel. The lower left hand panel measures 32" by 15", bottom to the floor, complete with all necessary controls and amplifiers. Better finish, with brown and grey finish attached. For 110 volts, 50 cycles. A.C. Shp. wt. 110 lbs. B12035. 15 Watt Amplifier, front. B120715. Raytheon Tube Kit. N.E.T. $17.50.

$92.50

SOUND CELL SYSTEM

The Knight 35 Watt Sound System is complete as described with two high-grade Velocity Microphones; 1 multi-speed phonograph; 110 volt A.C. Shp. set., 12 inch Knight sound speakers; 35 watts per channel; with 2 true balanced microphone cables; and 2-35S Raytheon tubes. Cash price $112.50. List price $127.50. Available for 12 months at $10.00 a month. Better finish and better tubes, 40 watts per channel. Cash price $122.50. List price $137.50. Available for 12 months at $12.50 a month. The Knight 35 Watt Amplifier is available separately for replacement in high grade sound systems as initial equipment. Has input for two high impedance microphones, and phonographs. Your high gain microphone system, a gain of 120 db, permitting the direct use of low-level microphones without external pre-amplification. Uses 2-35S, 2-6X5, 1-6C6, 1-855 metal tubes; 1-30R rectifier. The amplifier has an exceptionally wide frequency response essentially flat to 16,000 cycles. Distortion under load is less than 7% at full volume. Hum level is less than 25 db. Field supply for 2-2000 ohm dynamic speakers is built in. Speakers provide 50 to 500 ohms. Polarization for dynamic microphones and amplifier is provided. Equipped with individual volume controls to maintain proper balance. A tone control is provided to attenuate the higher frequencies where "feedback" may be encountered. A C.C. switch is located on the lower right hand panel. The lower left hand panel measures 32" by 15", bottom to the floor, complete with all necessary controls and amplifiers. Better finish, with brown and grey finish attached. For 110 volts, 50 cycles. A.C. Shp. wt. 110 lbs. B12035. 15 Watt Amplifier, front. B120715. Raytheon Tube Kit. N.E.T. $17.50.

$92.50

$107.50

$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 on this equipment as we use it. You will like our attractive easy-to-pay terms.

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 sets for 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 perfectly any Public Address or Speech 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 Microphones 35 Systems are the logical answer. They are remarkable for their simplicity and completeness, and for ease of installation and operation. Anyone can operate these systems up for operation in just a few minutes. They have a multitude of applications, including use for large public meetings, for dramatics, for dramatic productions, for large orchestras, for orchestral fields, etc. Ideal large power, low-cost sound systems which offer remarkable 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 price.

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, indoor or outdoor (where speakers are not mounted on large, flat baffle) we suggest the use of the projectors and directional baffles shown on page 86. Weatherproof outdoor types as well as indoor types are shown.

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, indoor or outdoor (where speakers are not mounted on large, flat baffle) we suggest the use of the projectors and directional baffles shown on page 86. Weatherproof outdoor types as well as indoor types are shown.

The Knight 35 Watt High Gain Amplifier is available separately for replacement in high grade sound systems as initial equipment. Has input for two high impedance microphones, and phonographs. Your high gain microphone system a gain of 120 db, permitting the direct use of low-level microphones without external pre-amplification. Uses 2-35S, 2-6X5, 1-6C6, 1-855 metal tubes; 1-30R rectifier. The amplifier has an exceptionally wide frequency response essentially flat to 16,000 cycles. Distortion under load is less than 7% at full volume. Hum level is less than 25 db. Field supply for 2-2000 ohm dynamic speakers is built in. Speakers provide 50 to 500 ohms. Polarization for microphones and amplifier is provided. Equipped with individual volume controls to maintain proper balance. A tone control is provided to attenuate the higher frequencies where "feedback" may be encountered. A C.C. switch is located on the lower right hand panel. The lower left hand panel measures 32" by 15", bottom to the floor, complete with all necessary controls and amplifiers. Better finish, with brown and grey finish attached. For 110 volts, 50 cycles. A.C. Shp. wt. 110 lbs.

$43.50

B12035. 15 Watt Amplifier, front.

NOW! POWERFUL P. A. FROM 6

20 WATT MOBILE SYSTEM

$107.50 WITH TUBES

SEE PAGE 79 FOR COMPLETE DETAILS ON NEW CONVENIENT TIME PAYMENT PLAN. EARN WITH THIS KNIGHT P. A. EQUIPMENT WHILE YOU PAY!

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 phonograph motor, good quality magnetic pickup and control panel all self-contained in a single compact modern steel cabinet; with carrying handle; 2—new type 2 inch Permanent Magnets; Speakers with 10 foot cables and polarized plug; 2—new type Astatic Dual-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 and connector so as to operate on 110 Volt AC power pack described below, to permit efficient operation in any area.

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—70, and 2—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 Magnets Dynamic Speakers with cable plugs; Astatic Crystal Hand Microphone with cable plug, and complete operating instructions. Cabinet measures 11½" x 14½" x 16½". Shipping wt. 85 lbs.

B12030. Complete 6 Volt 20 Watt System, List Price, $107.50. We estimate complete investment of above system from any 110 Volt, 60 cycle AC line.

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 tubes. List, $25.00. YOUR PRICE $11.95

NEW CRYSTAL MIKE

The built-in preamplifier incorporated in the Knight 20 Watt High-Gain Portable-Portable System permits the direct use of a new type Astatic Dual- 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 especially for mobile work.

Illustration above shows typical sound car speaker installation using directional aluminum baffles for excellent sound coverage. See page 56 for complete description. These baffles make an effective, sturdy and attractive installation. They 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 erected and permanently constructed out of heavy plywood or any other material. 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 recommended. Here, weather-proof directional baffles are used. These baffles are described on page 86. They are low-priced, effective units, built of weather-proof material, attractively finished in aluminum. These baffles distribute sound over a wide area.
POWER PACK

Will operate either the Knight 6 Watt AC-DC Amplifier or the Miniature 15 Watt AC-DC Amplifier. It is designed to be used with any 110 Volt AC or 6 Volt DC amplifier and is ideal for use on both ac and battery operated amplifiers. The Power Pack is completely self-contained and is designed to be used with 110 Volt AC only or 6 Volt DC with a suitable fused circuit. Complete with 15 Watt AC-DC Amplifier, Price, $11.95. (

LICENSED

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 Volt AC current simply by adding the plug-in Power Pack listed above. Delivers full 15 watt 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. It is also provided for a high-impedance magnetic phonograph pickup. A polarized receptacle on the amplifier permits its use with the special portable phonograph listed below on either 6 Volt DC or 110 Volt AC.

LATEST HIGH-GAIN CIRCUIT

The 15 Watt Amplifier incorporates the most recent high-gain circuit. Four high-gain stages are employed: 1—6AJ as tube pre-amplifier; 1—6AG as phase inverter and driver; 2—6AS as push-pull power amplifiers. This modern tube combination assures full 15 watt output with a gain of 15 db for microphone and 55 db for phone. The frequency response is essentially flat from 80 to 10,000 cycles. Current drain of a 6 volt storage battery is about 14 amperes; drain using AC pack is approximately 100 watts. A built-in standby motor furnished "B:" current dependably for 6 volt operation. A stand-by switch is provided to keep the tube warm for immediate operation while the amplifier itself is turned off. A switch of this switch puts the amplifier into operation without waiting.

The Knight 15 Watt Amplifier is styled along modern lines. It is housed in a metal case, finished in a warm brown-walnut. Has attractive chromatic and brown control plate with matching brown bakelite 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 microphone or phonograph conditions. Input is provided for plugging in two high impedance microphones; a switch can be used in all. Two giant 12 inch new type permanent magnet dynamic speakers using new special alloys handle full output adequately with wide tonal range. Polarized receptacles are provided for microphones, speakers and phonograph motor.

15 WATT CRYSTAL SYSTEM

The Knight 15 Watt High-Gain Crystal System is offered complete for 6 Volt operation, with dual-diaphragm Crystal Microphone as illustrated above. Includes: 1—Knight 15 Watt All-Purpose Amplifier; 1—Knight 12" P.M. Dynamic Speaker complete with 30 foot cables and polarized plugs; 1—Antec dual-diaphragm Crystal Microphone with 15 foot special microphone cable and polarized plug; 1—Knight Floor Stand; complete kit of Raviola tubes, and full operating instructions. For 6 Volt operation only. Shpg. wt. 60 lbs.


COMPLETE VELOTRON SYSTEM

The Knight 15 Watt Velotron All-Purpose Sound System complete as described above but with new Velotron Microphone instead of Crystal Microphone. Price, Plug-in 110 Volt Pack. B12001. List, $100.00. CASH PRICE. $79.00.

COMPLETE VELOCITY SYSTEM

The Knight 15 Watt Velocity All-Purpose Sound System complete as described but with new Velocity Microphone. Price, Plug-in 110 Volt Pack. B12002. List, $100.00. CASH PRICE. $89.00.

COMPLETE SOUND CELL SYSTEM

The Knight 15 Watt Bell Sound Cell All-Purpose Sound System complete as described but furnished with Bell Sound Cell Microphone. Price, Plug-in 110 Volt Pack. B12003. List, $100.00. CASH PRICE. $91.00.

FEATURES:

- Universal Mike Input
- Electronic Mixer
- Stand-by Switch
- For 6 V. DC or 110 V. AC
- Built-in Preamplifier
- Phonograph Input
- Polarized Receotacles
- New P.M. Speakers
- Full 15 Watt Output

The Knight 15 Watt All-Purpose System is equipped under license arrangement with Electronic Bell & Howell Products, Inc. Subsidiary of Western Electric Company of America.

You can use this equipment as an exquisite home entertainment center. Equipment is cross tuned to work together, permitting a complete new sound system. See complete full line list of Equipment. Knight 15 Watt System is a rewarding project for you while you pay for it.

Crystal System

$84.50

CASH PRICE.

$67.50.


COMPLETE VELOTRON SYSTEM

The Knight 15 Watt Velotron All-Purpose Sound System complete as described above but with new Velotron Microphone instead of Crystal Microphone. Price, Plug-in 110 Volt Pack. B12001. List, $100.00. CASH PRICE. $79.00.

COMPLETE VELOCITY SYSTEM

The Knight 15 Watt Velocity All-Purpose Sound System complete as described but with new Velocity Microphone. Price, Plug-in 110 Volt Pack. B12002. List, $100.00. CASH PRICE. $89.00.

COMPLETE SOUND CELL SYSTEM

The Knight 15 Watt Bell Sound Cell All-Purpose Sound System complete as described but furnished with Bell Sound Cell Microphone. Price, Plug-in 110 Volt Pack. B12003. List, $100.00. CASH PRICE. $91.00.

FEATURES:

- Universal Mike Input
- Electronic Mixer
- Stand-by Switch
- For 6 V. DC or 110 V. AC
- Built-in Preamplifier
- Phonograph Input
- Polarized Receotacles
- New P.M. Speakers
- Full 15 Watt Output

The Knight 15 Watt All-Purpose System is equipped under license arrangement with Electronic Bell & Howell Products, Inc. Subsidiary of Western Electric Company of America.

You can use this equipment as an exquisite home entertainment center. Equipment is cross tuned to work together, permitting a complete new sound system. See complete full line list of Equipment. Knight 15 Watt System is a rewarding project for you while you pay for it.

Crystal System

$84.50

CASH PRICE.

$67.50.


COMPLETE VELOTRON SYSTEM

The Knight 15 Watt Velotron All-Purpose Sound System complete as described above but with new Velotron Microphone instead of Crystal Microphone. Price, Plug-in 110 Volt Pack. B12001. List, $100.00. CASH PRICE. $79.00.

COMPLETE VELOCITY SYSTEM

The Knight 15 Watt Velocity All-Purpose Sound System complete as described but with new Velocity Microphone. Price, Plug-in 110 Volt Pack. B12002. List, $100.00. CASH PRICE. $89.00.

COMPLETE SOUND CELL SYSTEM

The Knight 15 Watt Bell Sound Cell All-Purpose Sound System complete as described but furnished with Bell Sound Cell Microphone. Price, Plug-in 110 Volt Pack. B12003. List, $100.00. CASH PRICE. $91.00.

FEATURES:

- Universal Mike Input
- Electronic Mixer
- Stand-by Switch
- For 6 V. DC or 110 V. AC
- Built-in Preamplifier
- Phonograph Input
- Polarized Receotacles
- New P.M. Speakers
- Full 15 Watt Output

The Knight 15 Watt All-Purpose System is equipped under license arrangement with Electronic Bell & Howell Products, Inc. Subsidiary of Western Electric Company of America.

You can use this equipment as an exquisite home entertainment center. Equipment is cross tuned to work together, permitting a complete new sound system. See complete full line list of Equipment. Knight 15 Watt System is a rewarding project for you while you pay for it.
Here are the Latest Practical Low Cost INTERCOMMUNICATION SYSTEMS

The splendid new Knight Intercommunication Sound Systems described on this page will adequately serve modern business, 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. Permit 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, and for conversation between store and stockroom, house and garage, etc. The complete standard system illustrated consists of one compact station unit (7½ x 7½ x 5½), and one central unit (11¼ x 7½ x 6½), containing amplifier and tube, (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-earphone housed in an attractive walnut cabinet, with "Talk-Listen" switch. The amplifier unit uses 6SL7, 12SH6, 12SL7 and 12SL5 tubes 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 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. This "Common Talk" operation (all stations working simultaneously)

$23.95

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. Permit 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. It can be used in any branch or wing of your building, and connected 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 A-C, D-C tube amplifier using the newest Beam Power tubes. New full-range audio system assures absolute natural voice quality; special filter circuit eliminates all static, hum and noise. Each Station unit also incorporates a combination P. M. Speaker-Microphone of newly perfected design, also has indicating bulb-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 grounded "talk-listen" lever to speak and release to listen. The Knight Super-Selective Systems are designed for extreme reliability. 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 6½, with choice of 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 easy and quickly accomplished.

$22.95

DE LUXE SYSTEM WITH "PRIVACY" EARPHONE

Exactly the same type of System described above but is equipped with sensitive earphones. Assures the complete privacy required by busy executives. Use the earphone through over speaker, but conversation is made private instantly upon removal of earphone, etc. When using earphone. It is not necessary to operate "Talk-Listen" switch; conversation is carried on exactly as over telephone.

$29.75
**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, 9 1/2" x 13 1/2" x 18 1/4". Weights 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 unrivaled.

**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—523. The powerful Knight 12 inch Electrodynamic 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 chrome trim and control panel and cabinet 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—Dynamic Astatic Crystal microphone mounted on 18 inch carpet stand with 25 foot cable and plug. Entirely self-contained in a sturdy attractive carrying case. Complete with operating instructions. For operation on 110 Volts, 60 cycles A.C. $64.50. List, $75.00.

(Extra speaker in portable case is available at $9.75. The above system can also be had with a Knight Floor stand instead of carpet 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, clubs, schools, sales talks, side-shows, etc. Has real advantages in compactness and completeness. The entire system is completely contained in a single leathetette-covered carrying case, 7 1/4" x 11 5/8" x 16 1/4". Weights 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—6B5/6AC 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 a completely new 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 chrome 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 6F1 is used as voltage amplifier; with 822 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 8 1/2 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 8 1/2 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, A.C. Ships weight, 40 lbs. This high quality low-cost Knight 8 Watt Portable Sound System has hundreds of useful applications. List, $50.00. Complete with tubes. Your Price. See Page 85 for suitable Portable Phonograph.
INSTITUTIONAL SOUND SYSTEMS

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 compactness, 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 possible 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 panel, speaker selection and distribution controls, volume level indicator, and monitor speaker. A high quality Jensen wall type peridyman speakers are supplied. Knight Institutional Sound Systems are available with single or dual channel input, to operate practically any number of speakers. 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 phonographs; program selector panel; ten speaker control panel; high quality 18 watt high-gain amplifier; monitor speaker—all built into a massive cabinet of selected hardwood, hand-rubbed to a splendid walnut finish. An Astatic Dual-diaphragm Crystal Microphone with banquet stand and 25 foot cord is included together with a Jensen Permanant Magnet wall-type enclosed-harmonic 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 meet your 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 sound-proof leatherette-covered carrying case, 19 3/4 x 11 3/4 x 14 3/4. 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 high-pass 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 is provided with a gain control for accurate setting and a Tone Control which permits accentuation of bass or treble ranges as desired. The dual-speed phonograph is equipped with speed regulator, speed-shift lever (33 1/3 or 78 R.P.M.), and AC-DC switch. All controls are grouped conveniently on top panel of portable case.

B10082...Knight Transcription Reproducer as described. YOUR PRICE $54.50
ELECTRIC PORTABLE PHONOGRAPH

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, sealed in a 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. Pick-up cord is equipped with convenient phone tip ends. Includes built-in volume control. Has needle cup. Entire assembly is housed in a compact, sturdy leatherette-covered case which measures 15\(\times\)13\(\times\)6\(\frac{1}{2}\)" open; 15\(\times\)13\(\times\)3\(\frac{1}{2}\)" closed. Leatherette carrying handle is securely riveted on top. Entire unit is light in weight; compactly hinged 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 phono input circuit. Equipped with the finest self-starting dual-speed (78 and \(\frac{33}{2}\) R.P.M.) heavy-duty phonograph motor with weighted, balanced 12 inch turntable. Motor has speed-regulator and speed-shift lever. The outputs of the high-fidelity magnetic pickup are 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 17\(\frac{3}{4}\)\(\times\)13\(\frac{3}{4}\)\(\times\)7\(\frac{1}{2}\)". Equipped with leather carrying hand which will not be flat or pull off. Meets every requirement for high-quality, portable phonograph equipment. Includes approved 6 foot cord and plug. For operation on 110 Volts, 60-60 cycles, A.C. Shpg. wt. 30 lbs.

$22.65

B10081. YOUR PRICE..........................

PACKARD AUTOMATIC RECORD CHANGERS

A completely dependable Automatic Record Changer; two speed type: will play either 78 or \(\frac{33}{2}\) 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, 51/4" high, and 12" wide. For 110 Volts, 60 Cycles. Shpg. wt. 26 lbs.

B10085. With Magnetic Pickup. $30.95
B10086. With Crystal Pickup. List, $39.95. EACH

MODEL L
Mechanism only, less case. Size: 14" wide x 131/2" long x 51/2" 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. $34.90
B10088. With Crystal Pickup. List, $42.95. EACH

IN PORTABLE CARRYING CASES

The Packard Record Changer mechanism, as listed above, is 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. $44.95
B10091. With Crystal Pickup. EACH

MODEL L
B10092. With Magnetic Pickup. $44.95
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 preamplifier. 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.; 1-6C6 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, 6\(\frac{1}{2}\)"x5\(\frac{1}{2}\)"x11\(\frac{1}{4}\)". Shpg. wt., 3 lbs. For 110 Volts, 60 cycles A.C. Complete with tubes.

$12.56

B12056. YOUR PRICE..........................

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. Preampfier 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"x6\(\frac{1}{2}\)"x3\(\frac{1}{2}\)". Shpg. wt. 21 lbs.

$22.50

B12057. YOUR PRICE..........................

See Pages 85-87 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 • BAFFLES • HORNS

PORTABLE CASES FOR AMPLIFIERS, SPEAKERS & PHONOGRAPH

FOR KNIGHT 8 WATT SOUND SYSTEMS
A ruggedly-built carrying case. Designed especially for any of the two Knight 8 Watt Sound Systems. May also be used for other small amplifiers or similar equipment. Laminated plywood construction, with reinforced corners. Attractive black leatherette covering. Metal plate and adjustable strap for holding microphone and desk stand. 17" high, 12¼" wide and 7¾" deep. 

$7.95

B12516.

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 protected by steel wire screen and grille cloth. Sections are specially designed to serve as baffle case, while they are in operation. Extremely compact and easily portable when closed. Measures 21½" high, 13¾" wide, 8½" deep. Weighs 7 lbs. A really fine case!

$9.95

B12619.

SINGLE SPEAKER CASE STURDY - LOW PRICED

An attractive portable carrying case. Permits easy installation of any of the 12½" inch dynamic speaker. Ideal for use with portable sound systems, or for temporary speaker stands. Baffle shown together with shield grille for 12" speaker. Metal plate and adjustable strap for holding microphone and desk stand. 17½" high, 12¾" wide and 7¾" deep.

$3.30

B12518.

For Knight 35, 35, & 60 Watt Amplifiers

An exceptionally rugged carrying case for use with the Knight 35, 35, or 60 Watt Amplifiers. Strong and rigidly constructed; laminated plywood used to combine strength and light weight. Durable black leatherette covering for speaker cone and fastens at bottom. Has sturdy leather carrying handle. 

$7.25

B12517.

WEATHERPROOF BAFFLES DIRECTIONAL—DE-MOUNTABLE

22"x23" BELL. 25° Deep. Ideal for use with any stand type speaker; will greatly improve fidelity and enlarge sound distribution. Will materially improve tone and bass for large speaker installations. Weatherproof. Speaker holes 1⅝x1⅝x11 inches. Type A is for speakers with 10 to 12 inch cones. Type B is for 7 to 9 inch cones.

$5.10

B10270. Type A. $5.10

B10271. Type B. $5.10

B10272. With Speaker Housing $8.10

HANDBY NEW PORTABLE PHONOGRAPH CASE


$9.95

B12520.

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 wooden speaker stand. Stand is fully adjustable in height ranging from 40 to 78". Equipped with heavy gauge clumsy legs. Tripod legs with 30° spread stand firmly. This rigid baffle stand will safely hold up to 250 lbs. May be collapsed into a compact unit 24" in diameter, and 39" long for easy carrying or packing. Swivel top permits easy adjustment of baffle to any desired position. Entire stand is hand-finished in non-turning chromium. Baffle is of Deluxe type complete with weatherproof cover, grille cloth, and shelf. Dome is lined with acoustically correct fold padding and sound absorbing materials. Both stand and swivel top are also available separately as listed below. Shipping weight complete is 26 lbs.

$21.10

B10250. Complete Unit as described, Deluxe Baffle, Stand and Swivel unit. 

$11.47

B10252. Swivel and saddle. 

$2.06

B10251. Stand only.

AUTO TOP & WALL MOUNT WITH SWIVEL


$2.88

B10293.

ALLUMINUM BAFFLES WEATHERPROOF MODEL


$7.76

B10282.

STANDARD MODEL

B10283. Same sturdy baffle as above but without phonograph cover and absorbent felt lining in dome. 

$5.28

B10284. TRUMPF FLARE only. For mounting on front of portable cases, etc. 

$4.26

B10285. Weatherproof Cover.

$8.26

B10280. REDUCER RINGS. For reduction of opening for speaker size when ordering. 

$5.00

INCLINED SPEAKER BAFFLES

Attractive wall mounted wall type speaker baffles. Ideal for mounting either 8 or 12 inch speakers. Especially suited to centralized public address and sound installations. With gold and black grille combination. 

$3.50

B10287.

B10288. For 12 inch speakers.

$4.95

$3.50

B10287.

For 8 inch speakers.

$3.50

B10288.
P.A. SPEAKERS • HORNS • UNITS

KNIITI T H E R I T U R R I L D Y N A M I C S P E A K E R S

Powerful 12 inch Auditorium Dynamic Speakers designed to reproduce large audio power with absolute fidelity. Rugged, pressed steel frame construction assures long life. Heavy, pressed steel drafthorn back has 3 point suspension; voice coil has inside diameter of 14.5% of cone. Overall height, 13% of cone. Depth, 7 1/4. Easy to mount. Supplied in various field conditions. In an A.C. operated type, unit 90 ohm. All speakers are supplied with output transformers. Knight Universal Output tube combination is listed below.

EXCELLENT QUALITY

These ruggedly-built dynamic speakers are ideal for every installation where a powerful full-toned reproduction of the human voice is required. They are for permanent installations, for PA systems, for extension speakers, etc. All models have heavy frames and sturdy construction giving a higher field strength, enabling the speaker to handle large power without damage or overheating. Cones and voice coils are designed to give maximum output per watt. They are available in various field conditions depending on the specific application when operated at any audio level up to 15 watts.

Write for price for Knight Auditorium Dynamic Speaker to field you specify and special output transformer for Class "G" or Class "H" operation.

Portables cases for Knight Auditorium Dynamic Speakers are listed on the last page. When ordered together, speakers and cases will be assembled at no extra charge.

CINADERAGH "Magic-Magnet" SPEAKERS

Unique compact design and construction; cone and voice coil are one integral assembly. Voice coil cannot become out of center. Required no external excitation. Fine quality, free from feedback. Rugged and less output transformer.

AIRCOLUMN HORNS AND UNITS

The famous "Cinada's" air column units are so constructed as to withstand the damaging influence of wind and rain, ideal as outdoor applications. Wind units are provided for easy removal or attachment of unit to horn. Stooff, directional, and rectifier horns are designed to provide maximum sound levels and reduce noise. Hons are made of spun aluminum.

Oxford Speakers

A new exponential type of indoor or portable horn. Made from heavy-gauge woven aluminum with chrome finished steel in the horn housing. Acoustically designed and finished to prevent metalic sounds. Complete assembly is tempered in all weather and atmospheric conditions. Driver units are 6" dia. and have heavy-duty 5" diaphragms with 6 ohm voice coil. Will handle up to 30 watts safely. Units are available with either PM or AC-excited horns. Horn has adapter for use on all standard horn stands. Bell 36" length 28" overall length approximately 30 lbs. Weight makes this complete unit ideal for mobile or portable sound systems.

EXPO S I T U R N O N S & UNITS


Oxford Dynamic Speakers

For many years the choice of leading set manufacturers: now available to the Custom Builders and Servicemen. Incorporates many features of design evolved from years of research in the speaker field. Ideal for replacing operators of Limited Frequency response in radio sets or for public address installations. Have all new construction cones with 6 ohm 1/4" horn voice coil. Will handle 10 watts continuously. 15 watts peak. 14% of 8 ohm 4" speaker. B9026. With 4 volt 4" speaker. B9027. With 6 volt 4" speaker. B9028. With 12 volt 4" speaker. B9029. With 2500 ohm field. B9030. With 1000 ohm field. B9040. A.C. Type. Ideal as extension speaker. 110 volt. 60 cycle current. Less than 60 cycle transformers.

Allied Radio Corporation, 833 W. Jackson Blvd., Chicago, Ill. 87
JENSEN DYNAMIC SPEAKERS

6-INCH MODEL PM-2C
Especially designed for use with high-quality, large sound systems. A rugged tritoned small speaker suitable for all replacement purposes. Ideal for use as a compact desktop or as a bookshelf unit. With universal output transformers, for all types of receivers and recorders. 24 lb. 8 ohms. $3.18

HEAVY-DUTY 12-INCH MODEL PM-12B
A superior speaker for use with high-quality, large sound systems, or wherever high fidelity reproduction at high volume levels is desired. Equal to finest electro-dynamic speakers. $14.95

NEW JENSEN CONCERT SPEAKERS

Model PM-2C. A new concept in permanent magnet dynamic speaker. Combines high fidelity with the ability to handle exceptionally high output. Suitable for use with high quality sound systems. $5.99

12-INCH FM MODELS

Model PM-12C. A moderate-priced model particularly designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $21.76

5-INCH STANDARD FIDELITY MODEL
Model M-12C. This loudspeaker is designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $6.95

12-INCH FM MODELS

Model PM-12C. A moderate-priced model particularly designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $21.76

JENSEN ELECTRO-DYNAMICS

HEAVY-DUTY MODEL B-12X
A particularly high-quality, high-speed 12-inch dynamic speaker of exceptional design. Recommended for use where use of high-fidelity performance is required. Especially suited to Public Address Systems. New magnet alloy coupled with extended high-frequency range. Will handle 10 watts continuous power into 8 ohms. Wt., 14 lb. 8 ohms. $3.91

NEW JENSEN CONCERT SPEAKERS

Model PM-12C. A moderate-priced model particularly designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $21.76

12-INCH FM MODELS

Model PM-12C. A moderate-priced model particularly designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $21.76

5-INCH STANDARD FIDELITY MODEL
Model M-12C. This loudspeaker is designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $6.95

12-INCH FM MODELS

Model PM-12C. A moderate-priced model particularly designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $21.76

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 improved designs and high magnetic efficiency. $3.18

5-INCH MODEL PM-5X
52967. YOUR PRICE. $3.18

8-INCH MODEL PM-85X
52967. YOUR PRICE. $6.95

12-INCH MODEL PM-12CX
52967. YOUR PRICE. $9.25

UTAH DYNAMIC SPEAKERS

UTAPEX F.M. MODELS

No Field Current Supply Needed
New High Efficiency Magnets
Priced for the Average Purse
Complete Rugged Units

A complete new line of permanent magnet dynamic speakers. Popularly-priced to fit the budget of the experimenter and to permit the service man to make a handsome profit. A new magnet alloy of special shape and design permits full power handling with wide range reproduction. Ideal for all purposes including both old and new installations. With universal output transformers as listed.

6-INCH MODEL

Especially designed for use with all receivers where space is at a premium. Ideal for use as a field excitation, for D.C. sets since no field power is required. Output transformer matches all tubes. $3.22

8-INCH MODEL

For use with all types of receivers and small public address systems. Full tonal response. Output transformer for all tubes. $5.00

10-INCH MODEL

Ideal speaker for larger consoles and portable or battery-operated public address systems. Sixteen watt capacity. Universal output. $8.72

UTAH HIGH FIDELITY REPLACEMENT SPEAKERS

6½-IN. MODEL
B9472. $3.50

6-INCH MODEL
B9473. $4.26

A tuned tuned tuned small speaker suitable for all replacement purposes. Especially suited for use in A.C.-D.C. and nidget type receivers. Handle power input of 5 watts into 4 ohms. 8 ohms field excitation. $4.00

For use in console receivers and small Public Address Systems. Has all the features enjoyed by Jensen dynamic reproducers. 8 ohms. Universal output. $5.23

5-INCH MODEL
B9472. $4.70

For use where exceptionally true reproduction is desired in high fidelity medium size speaker. Suitable for coupled to tube recorders, phonographs, and other second systems. Will deliver brilliancy, full range, reproduction without distortion at full volume. Normal input 8 watts; 10 watt peaks. Voice coil 8 ohms; field coil 5500 ohms. With universal transformer, an all told in class speaker. $3.22

10-INCH MODEL

The ideal reproducer for large console and other high fidelity systems. Has all the features enjoyed by Jensen dynamic reproducers. 8 ohms. Universal output. $8.72

Model M-12C. This loudspeaker is designed for the largest public address installations. Has all the features enjoyed by Jensen dynamic reproducers. $6.95

12-INCH FM MODELS

For use wherever exceptionally true reproduction is desired in high fidelity medium size speaker. Suitable for coupled to tube recorders, phonographs, and other second systems. Will deliver brilliancy, full range, reproduction without distortion at full volume. Normal input 8 watts; 10 watt peaks. Voice coil 8 ohms; field coil 5500 ohms. With universal transformer, an all told in class speaker. $3.22
NEW SHURE CRYSTAL MICROPHONES

MODEL 74C
"SPHEROID" TYPE

A new microphone absolutely non-directional-wide-range crystal microphone of striking appearance. Special small dual directional phasing box with two parallel, small dual diaphragm drives a new type of crystal microphone crystal unit. Sound reaches the diaphragm by means of a very thin black hexagonal fiber, which is placed over the mouth and over the head. The phasing effect is such that there is no change in the frequency response of the microphone when the diaphragm is changed from one side to the other. The diaphragms are placed in a hexagonal box and are driven by a small dual diaphragm system. The frequency response of the microphone is approximately 400 to 10,000 cycles. Output level is 65 db. Weight is only 1/3 oz. and 3.4 inches in diameter. With locking adapter and 3 ft. lead, $25.00. Net.

B2564. List. $18.82.

MODEL 76R
DIAPHRAGM TYPE

A new microphone with a large diameter crystal diaphragm. The diaphragm is made of a special material and is only 1/20 of an inch thick. The frequency response of the microphone is approximately 400 to 10,000 cycles. Output level is 65 db. Weight is only 1/3 oz. and 3.4 inches in diameter. With locking adapter and 3 ft. lead, $25.00. Net.


LATEST SHURE MICROPHONE STANDS

MODEL 84A

A high grade stand for every purpose. With universal adjustment to fit all types of microphones. Has automatic friction lock. Dimensions: 6.5 x 6.5 x 6.5 inches. Weight: 3 lbs. Net.

B977. List. $13.23.

SHURE ULTRA WIDE-RANGE CRYSTAL MICROPHONES

MODEL 85A

An attractive, high grade microphone stand in 3 sections adjustable from 5 to 65 inches. Ships mounted and shielded. Weight: 3 lbs. Net.

B9875. List. $7.94.

MODEL 86A

An attractive microphone stand in 3 sections adjustable from 5 to 65 inches. Automatic friction lock. Weight: 3 lbs. Net.

B9876. List. $3.82.

B2566. List. $4.41.

UNIVERSAL MICROPHONES

"XX" TWO MICROPHONES

Develops truly faithful tone and high frequency range. Equipped with dual diaphragms, microphone, and dual diaphragm contact. Ruggedly built, 30 foot cord included. A high quality unit. Net.


B2507. Model "X." Similar in design but of smaller size. A high quality unit. Net.

B2508. List. $3.82. Net. $1.76.

TWO BUTTON MICROPHONES

This doubled microphone has been built to withstand rough usage and to meet the demands of stage work. Excellent for public address work and demonstration work. Used for use in close to loud speakers. With 3 ft. connecting cord. Nickel-plated. Net.

B2466. List. $15.00. Your net price.

$12.23

LAPTOP CRYSTAL MICROPHONES

A new dual-diaphragm type crystal microphone. Only 1/2 inch in diameter, 1/2 inch in length, with only one case. Weight: 3 lbs. Output: 60 db. Weight: 3 lbs. High impedance. A new attractive microphone stand. 3 inch, 1/4 inch thick. Supplied with 10 foot covered shielded cable and handy mounting hooks.

B2567. List. $15.58.

MODEL D-2H
STANDARD TYPE


$14.70

ROCA MICROPHONES

A new type of microphone developed by RCA. A genuine RCA quality unit. Standard type.Same as above but with a built-in microphone stand.

B2569. List. $16.46.

$14.70

AERODYNAMIC TYPE


B2570. List. $16.46.
LATEST TYPE MICROPHONES • STANDS

BRUNO MICROPHONES

VELTON MODEL A

A static-velocity microphone combining high fidelity with sensitivity. May be used with any high or low-impedance amplifier. Response is equally varied. Requires from 80 to 400 ohms, suitable for all telephone, record player, or public address systems. Output: 1200 ohms. Frequency range: 20 to 15,000 cycles.

62584.25

LOW COST KNIGHT MICROPHONES

STANDARD TWO BUTTON


$2.25

DE LUXE TWO BUTTON


$4.35

ELECTRO-VOICE VELOCITY MIKES

MODEL V1

High quality ribbon-velocity microphone, with range of 40 to 10,000 cycles. Has dual characteristics; eliminate background noise and feedback, with 1400 ohms of mounting voltage. Has low frequencies. Excellent frequency range: 20 to 15,000 cycles. Weight: 5 lb. Sensitivity: 1200 ohms. Net weight: 1 lb.

$1470

MODEL V2


$2050

MODEL V3


$2940

TRANSUDER 'BULLET' DYNAMIC MIKES

MODEL TR-6


$2323

MODEL TR-7


$1617

ORCHESTRA MIKE STAND


$5292

LOWEST PRICES • HIGHEST QUALITY • BEST SERVICE
**MICROPHONES and ACCESSORIES**

**AMPERITE VELOCITY MICROPHONES**

**Model RB-Ra**
B2544. High quality, 80,000 CPS. Output, 200 ohms; 60 D.B. with switch in direct line. Complete with 30 feet of matched microphone cable. List, $24.70.

**Model RB-Rb**
B2543. Same as Model RB-Ab above but has high impedance output of 2000 ohms to grid directly.

**Model RB-Rc**
B2542. Directional type, especially suited for theater stage installations. Frequency range: 60-15,000 CPS. Output, 250 ohms; 60 D.B. With switch and 100 foot cable. List, $22.50.

**Model RB-Ab**
B2541. Same as Model RB-Ra above but high impedance output of 2000 ohms to grid directly.

**Model RB-Bn**
B2544. Same as Model RB-Ra above but high impedance output of 2000 ohms to grid directly.

**模型 RB-Bn**
B2543. Same as Model RB-Ab above but high impedance output of 2000 ohms to grid directly. List, $24.70.

**Model RB-Bn**
B2544. Same as Model RB-Rb above but high impedance output of 2000 ohms to grid directly. List, $24.70.

**WIRE & CABLES**
- **Copper Wire**
  - B1975: Copper wire, 20 gauge, 100 feet. Net each: $1.03
- **Cottonine Wire**
  - B2548: Copper Wire, 24 Gauge, High Impedance. List, $22.00.

**JUNIOR VELOCITY LAPEL TYPE**
Small in size but capable of really high-quality performance. Design is line and clear. Has flat response from 60 to 15,000 CPS for all voice work. Given speaker unobstructed view of the audience. Output: 60 D.B. Size: 21/4" x 1/4", 25 foot cable.

**EXTERAL INPUT TRANSFORMER**
A balanced, hum-buck winding transformer for coupling low impedance velocity microphones to amplifiers having input impedances of 1000 to 2000 ohms. B2279: List, $5.00.

**REPLACEMENT RIBBONS**
B2598: Package of 7 ribbons. Net each: 73c
B2599: Package of 12 ribbons. Net each: 73c

**CARBON GRANULOS**
Laboratory-made high-quality granules. Sufficient to re-carbon two double-button carbon microphones. B2597: Net each: 55c

**MICROPHONE SPRINGS**
B7567: Made of tempered spring steel. Loop set of 10. Net each: 15c

**MICROPHONE ACCESSORIES**
- **Coupthing Transformers**
  - B2050: Single button type. Has primary for 200 ohm single button microphone; secondary impedance for coupling to tube grid. Complete shielded. With flexible wire plug. List each: $1.32
- **STAND TYPE**
  - For use with cable types above. Has 1/4" - 27 female thread for mounting on microphone stand. RECEPTABLES B1969: Contact, 9c; Contact stand, 65c

**CHASSIS TYPE**
A balanced, hum-buck winding transformer for all type of microphone inputs. Complete with 1/4" shielded plug. B3148: $1.03

**SINGLE CONDUCTOR MICROPHONE CONNECTORS**
A new type of single conductor cable connector. Designed to permit instant connection or disconnection of cables. Side screw holds cable securely. Coupling plug locks contact securely against vibration. B7579: Contact, 69c; B7570: Contact, 48c

**RECEPTABLES**
- **B1969: Contact, 9c; Contact stand, 65c**
- **B1970: Contact, 9c; Contact stand, 65c**
- **B1971: Contact, 9c; Contact stand, 65c**
- **B1972: Contact, 9c; Contact stand, 65c**

**MIKE RECEPTABLES**
- **B1973: Contact, 9c; Contact stand, 65c**
- **B1974: Contact, 9c; Contact stand, 65c**
- **B1975: Contact, 9c; Contact stand, 65c**
- **B1976: Contact, 9c; Contact stand, 65c**

**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 1/4" - 27.

**SHIELDED CONNECTORS**
- **Polished chrome-finish, hand-polished brass shell, complete with 1/4" shielded plug. Male and female threads, 1/4" - 27. RECEPTABLES B1969: Contact, 9c; Contact stand, 65c**
- **B1966: Contact, 9c; Contact stand, 65c**
- **B1967: Contact, 9c; Contact stand, 65c**
- **B1975: Contact, 9c; Contact stand, 65c**

**SHIELDED MICROPHONES**
- **Standard 2 and 3 circuit plugs and jacks supplied with nickel-plated brass shielded barrel. Supplementary knurled finger grip. Fully insulated.**
- **B2499: 100 FEET. 1/4 CIRCLE. $5.70**
- **B2498: 100 FEET. 1/4 CIRCLE. $6.00**
- **B2497: 100 FEET. 1/4 CIRCLE. $6.00**

**WEATHER PROOF CABLE**
Heavy rubber jacket over insulated copper shield. Ideal for outdoor and heavy duty service. Cond. PER FEET 100 FEET.
- **B3148: 1 3/4. 379c**
- **B1975: 1 1/2. 379c**

**MIKE SHOCK ABSORBER**
Prevents shock from reaching microphone. Substantial, sturdy, made of heavy brass, in polished nickel finish. B1975: Net each: 59c

**MIKE ACCESSORIES**
- **B2598: Package of 7 ribbons. Net each: 73c**
- **B2599: Package of 12 ribbons. Net each: 73c**
- **B2597: Carbon granules. Net each: 55c**
- **B7567: Made of tempered spring steel. Loop set of 10. Net each: 15c**

**ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD. CHICAGO, ILL.
NEW WEBSTER MAGNETIC PICKUPS HIGH FIDELITY

40 to 40,000 cycles. Exceptionally fine frequency response and freedom from noise is obtained through advanced design and construction. A high quality pickup in every respect.

NEW WEBSTER CRYSTAL PICKUPS

10,000 to 20,000 cycles. Exceptionally fine frequency response, freedom from noise. Balanced for correct needle pressure. Built to highest standards; highest performance. Features extremely flat frequency response over a wide range. Uniform response may be obtained by using a 5,000 ohm volume control; base accentation by using only 10,000 ohm control. High impedance type with high output. Extremely light, 1 lb., $12.00. Knight High Impedance Pickup.

EFFECTIVE 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.

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.

PIEZO CRYSTAL PICKUPS

The original crystal pickup, and still a favorite with countless units of record-reproducing units. Carefully counterbalanced with 50 ohms, needle pressure assumed 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 accord either treble or bass by varying the value of input circuit resistance.

MODEL 50-A3

A new improved wide-range pickup capable of clear reproduction. Will reproduce extended frequencies on both treble and bass ranges for brilliance and tonal quality. Perfectly balanced to minimize needle scratch, will play all records up to 12 in. size.

STANDARD IMPEDANCE

The standard model has an impedance of 9,000 ohms and delivers 5 volt output. May be used to replace any standard high impedance pickup.

LOW IMPEDANCE

Model 51-A4 has an impedance of 36,000 ohms and an output of 1 volt. For low gain amplifiers.

LOW IMPEDANCE

Model 49-A4 has an impedance of 36,000 ohms and an output of 1 volt. For low gain amplifiers.

SUMER "ZEPHYR" NEW SHURE "ZEPHYR" CRYSTAL PICKUP

A new crystal pickup with many features. Uniform frequency response from 30 to 10,000 cycles. 100 ohms surface noise, can be varied to accord either treble or bass by varying the value of input circuit resistance.

"TRU-TAN" PICKUP

New professional high-fidelity crystal pickup for use wherever the finest reproduction is desired. New crystal pickup will keep needle tangent through entire record playing surface; has even little action so needle can be replaced from top. Arm rotates on double roll ball bearings.

MODEL B-10

For use in any radio-phonograph combination, portable phonograph, or similar type of record player. Arm is 10 inches long; for playing all 10 or 12 inch records at either 8 or 33 1/3 R.P.M. From amplying resonant peaks. Will reproduce high fidelity reproduction with exceptionally wide range of both treble and bass. Arm assembled of sturdy construction to eliminate vibration. One of the very finest crystal type pickups made today.

MODEL B-15

Similar in appearance and performance to the Model B-10 described above. Will play all standard records up to 16 and 1/2 inch records.

7681I, List. $15.00. Your net price...

$102.00

76815, List. $102.00. Your net price...

$102.00

7893, Model B-15. List. $25.00. Your net price...

$102.00

7893, Model B-15. List. $25.00. Your net price...

$102.00

ASTATIC SCRATCH FILTER

78988. For crystal pickups. Tuned to resonate at high frequency. Sealed in metal can, 1 x 2 x 2.

$88c

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PHONO MOTORS • RECORD PLAYERS • CHANGER

SPECIAL VALUE PHONO MOTOR


FAMOUS GREEN FLYER PHONO MOTORS

PHOTO MOTORS

A high quality phonograph motor for 78 R.P.M. records. Handy-dandy envelope containing installation type motor. Operates quietly at constant speed. Equipped with 12 inch diameter, 2 1/2" deep, 115/220 volt, 50 or 60 cycle, A.C. and D.C., synchronous type motor. Operates instantly. Sells for $6.75. B10071. List...$17.25

NEW RCA-VICTOR RECORD PLAYER


FAMOUS GREEN FLYER PHONO MOTORS

SINGLE SPEED—78 R.P.M.


DUAL SPEED UNIVERSAL

For operation from 110 volt D.C. or 110 Volt A.C., either 78 or 33 1/3 R.P.M. Has 12" turntable, and all hardware. B10069. List...$13.95

PHONO MOTORS AND PICKUP ASSEMBLY

An exceptionally compact motor and pickup of standard quality. For the RCA-Victor Model 30 Radio-Phonograph Combination. May be used by any amateur or radio set constructor. Motor is 7 1/2" in diameter, 2 1/2" deep. Mounts in a 2 1/2" deep, 115 volt, 50 or 60 cycle operation. The pickup is only 6" long, but its performance equals a standard unit. B0447. MIDGET MOTOR...$6.30

DEEAN MUSICAL STATION CHIMES

Produces four perfectly pitched notes. Great value for a dime. Sells for $3.05. B9446. List...$3.90

RCA RK 24 PHONO OSCILLATOR

Designed by RCA-Victor to bring good phonograph reproduction when used with practically any receiver. Sells extra entertainment for anyone installing the RCA RK 24 Oscillator. May be connected in a few minutes. Requires no changes in the receiver. Sells for $6.30. B9447. List...$7.95

SIMPPLIFIED INSTALLATION

Leads are arranged to slip under receiver tube panels. The RCA RK 24 Oscillator is designed especially for use with the RCA-Victor Record Player and electrical pickup may be used. Acts as a miniature transmitting station modulated by the phonograph pickup. Has a tuning range of 1100 to 1600 k.c. B0448. List...$9.00

GREEN FLYER RECORDING MOTOR

A heavy-duty double motor and turntable for 78 and 33 1/3 R.P.M. recording and play-back. Has constant speed, gear-reduced induction motor. Sells for $20.00. B10071. List...$53.50
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, complete unit. Heavy-duty mechanism, which handles any disc up to 12" size, is driven by synchronous motor. Fully overhauled assembly, gears, pivots and records in one operation; recording head has wide frequency range for true-regular reproduction. Has built-in four stage amplifier, switch for recording or playback; provides excellent quality, with volume control to 31 decibels. Front panel has 8" dial speaker. Extremely simple in operation, can make high quality recordings of speech or music without technical knowledge; no complicated adjustments. Separate inputs for records, tapes, playback pickup. Size only 16"x12"x24". With crystal mike and floor stand. For 110 Volts 60 Cycles. Wt. 70 lbs.

SCHOOLS AND COLLEGES. Write for attractive Educational Discounts on Presto Recordiong 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 man can operate it. Speech and dramatic schools will find it of great value in correcting defective speech. Will record any talk up to 17" at either 78 or 33% R.P.M. (can be instantly changed to cut either 62, 110, or 130 lines per minute to suit the occasion). Has 15 ohm Professional cutting head described below. The full frequency range of the playback pickup supplied with B1001, can be used for monitoring. Black painted leatherette case measures 20"x14"x12. For 110 volt, 60 cycles.

B10002. Universal Portable. NET. $248.00
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 recording equipment available. 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 handbooks. Write to our Sound Engineering Division for full details.

B10400. Complete Professional Recorder, least cutting head. NET. $375.00
B7323. Professional Cutting Head for Professional type of equipment. Has cobalt steel needle, balanced armature, and fully adjustable 15 ohm. NET. $42.00

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-motor, portable recorder for 78 or 33% 1/2 R.P.M. use: weighted turntable; removable straight line per inch head: Professional cobalt-magnetic materials; 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 a blank aluminum disc up to 12" in size. For 110 V. 60/50 cycles A.C. Also in 30, 40, or 500 ohm models at the B10006. $950.00

RECORDING NEEDLES

SAPPHIRE
Of high grade sapphire, precision-ground and polished. Recommended for fine work. List, with a regular radius at the end.
B2603. Type A. For blank aluminum discs. List, $1.00. EACH. $2.35
B2604. Type B. For pregrounded aluminum and silvered discs. List, $1.00. EACH. $2.35
B2605. Type D. For Silver enough and all other recordable discs. List, $5.50. EACH. $2.35
B7812. RCA-Victor Steel Home Recording Needles. For pregrounded discs. 8 to a package. YOUR PRICE. $25.00

PRESTO GENUINE SAPPHIRE RECORDING NEEDLES
B2606. Genuine sapphire needles for acetate recordings. Accurately ground and polished. Recommended for maximum service. Average life approx. 15 to 20 hours. EACH. $5.00

STROBOSCOPE
Checks the speed of any turntable. Place Stroboscope on record and observe. The pointer will illuminate by any light operating on 60 or 24 cycles. 6" diameter of heavy cardboard. NET. $15.00

B7293. YOUR PRICE.

RECORDING DISCS

ALUMINUM

POURED DISCS
Double-faced, poured discs. May be recorded on both faces. NET B.S. Sapphire or Steel Home Recording Needles.
D. List. NET.
B7280. "B." $1.00 .10c
B7281. "C." $1.20 .11c
B7282. "D." $1.25 .13c
B7283. "E." .75 .10c

BLANK DISC
Extra-heavy aluminum discs. 0.06 in. thick. Use Type A Sapphire Recording Needle.
D. List. NET.
B7303. 6" .63 .10c
B7304. 6%" .85 .14c
B7305. 7" .85 .14c
B7306. 7%" .85 .14c
B7307. 8" .85 .14c

OVERSIZE GREEN SEAL DISCS
For long playing masters, when a number of duplicate pressings are required. Only one side can be recorded if disc is to be processed.
D. List. NET.
B7309. 11" .79 .13c
B7310. 12" .80 .14c
B7312. 12%" .80 .14c

PRESO GREEN SEAL DISCS
The finest professional recording discs available. Heavy aluminum base evenly coated with cellulose compound. Mirror smooth with minimum surface noise.
D. List. NET.
B7303. 6" .84 .14c
B7304. 6%" .85 .14c
B7305. 7" .85 .14c
B7306. 7%" .85 .14c
B7307. 8" .85 .14c

RECORD PRESSING SERVICE
All new offers an inexpensive record pressing service to small recording stations, 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. Recommended for test recording, or for special applications where minimum noise is necessary. Write for prices.

RECORD PRESERVATIVE
All new offers a film for use on disc surface before cutting. Reduces surface noise, and prolongs useful life. 1 oz. NET. 29c

RECORD RECONDITIONER
All new offers a softening fluid for acetate or Rayon blanks. Reconditions all records, or softens new blanks for cutting. 1 oz. NET. 29c

PLAYBACK NEEDLES
B9978. BAMBOO REPRODUCING NEEDLES. For bluing all types of recorded discs. PACKAGE OF 100. .99c
B7278. RED CACTUS NEEDLES. The most durable in the market. Plays 5 to 15 records. PKG. OF 10. .99c
B7272. RED SHANK STEEL NEEDLES. Made from high grade steel. Equally effective on either side. .002" radius at point. PACKAGE OF 100. .99c

OUR SOUND ENGINEERS ARE ALWAYS AT YOUR SERVICE
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 fit to coil: Universal output transformer, etc. Ideal for all applications or replacement building requirements which demand high quality speakers for universal coil: 2500, 2200, 1800, 1500, 1050, 700 ohms. May be used with any speaker with field resistance listed above. Output transformers are for any single or double output tubes. Every Service Shop should have some of these on hand. The sturdy construction, complete with mounting screws, ensures long life.

NEW WRIGHT-DECOSTER NOKOIL DYNAMIC SPEAKERS

NO FIELD COIL—NO FIELD DRAIN

A radically new design: capable of performance usually expected only from electron- dynamic, ideal replacements for old style magnets in battery operated receivers. Small in size. Requires little power or battery, etc. Have 5.0 extra voice coils. With universal output transformer.

NEW 5 INCH MODEL

For small radion and call systems, etc. Furnished with semi-universal output transformer. 7.000 ohms C.T. 2 lbs.

List: $7.00. NET....$3.43

KNIHRT DYNAMIC SPEAKERS

OUTSTANDING VALUES

- Universally Accepted by Discriminating Servicemen
- Incorporate Every Valuable Feature of Modern Design
- Quality Construction for Long Life
- Cost-Effective, Reliable, High Efficiency
- Conservatively Rated
- Long Life Assured

KNIGHT 6 INCH DYNAMIC

An ideal speaker for use with console receivers and small public address systems. Will handle full volume without peaking or distortion. One-watt assembly designed to permit maximum fidelity of reproduction at all volume points. Correctly aligned voice coil and cone provide maximum efficiency. Heavy field frame assembly. Voice coil, 3% ohms; impedance, 2 ohms. 340 cycles. 2% lower-watt; only 4% depth. With universal output transformer.

B9264. 6 Volt Field. 1800 Field. 2500 Ohm Field. $1.69

B9265. 6 Volt Field. 1800 Field. 2500 Ohm Field. $1.69

B9252. 6 Volt Field. 1800 Field. 2500 Ohm Field. $1.69

B9253. 2500 O h m Field. $2.40

KNIHRT 8½ INCH DYNAMIC

Developed especially for use in the new compact receivers where space is at a premium. 6 volt model to ideal for use as replacement speaker in small radion. An inexpensive speaker for replacement purposes in small radion or portable sets, where cost must be held to a minimum, or where coil limited space is available. Excellent frequency response and will handle a surprisingly large amount of volume. Correct diaphragm area and cone construction to prevent damage to minor cone and voice coil assembly. Will handle four 400 varieties, 400 ohms, 400 volt. 2500 cycles. Only 5° distortion, and 25% deep. Supplied with universal transformer to match all tubes.

B9254. 6 Volt Field. 300 Ohm Field. YOUR PRICE EACH....$1.48

KNIHRT 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 minimum of distortion and complete elimination of any noise. It is ideal for use in large console type receivers, or for small indoor public address systems, etc. Sturdy construction combined with careful selection of materials assures maximum efficiency. Overall sensitivity of 5% exceeds that of similar speakers. Designed with universal output transformer to match small and medium-sized output. Milled, 5% deep. Supplied with universal transformer to match all tubes.

B9303. 6 Volt Field. B9304. 6 Volt Field. YOUR PRICE EACH....$2.80

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD. CHICAGO, ILL.
KIGHT MAGNETIC SPEAKERS

RADIO'S GREATEST SPEAKER VALUES

* Complete Assortment of Sizes
* Sturdily Built, Like a Man
* Ideal for "Second-Speaker" Use

6 INCH MODEL
B9252
$1.13

8 1/2 INCH MODEL
B9253
$1.78

A well-designed midsize 8 1/2" speaker suitable for use in any battery, small AC-D and AC sets. Where space is very limited. Only 5 lbs. in weight. A fine unit for all compact-type multi-unit installations. An excellent replacement radio set, or for use in stereo telephone systems. A wonderful value at our low price. Shipping weight: 3 lbs.

Similar in construction to the smaller model, but in 8 1/2" field. Has sturdy, rigid, heavy-duty magnet. Will easily handle up to 1/2 watts of audio power output. Carefully assembled to ensure long life and freedom from rattling and objectionable vibration. DC resistance, 1000 ohms. Ideal for battery set use and as extension speakers in local school, and similar multi-speaker installation. The scientific design of this fine magnetic speaker results in excellent local performance. Shipping wt.: 3 lbs.

Wright-Decoater HYFLUX MAGNETIC SPEAKERS

A new and improved type of magnetic speaker. Designed for use in new and old construction. Contemporary styling makes this speaker ideal for use in all new construction or in addition to older installations. Depth behind panel is less than 1 1/2". Internal crossover design is unusually good. Rigidity constructed from modern materials for years of efficient service. All parts are fully shielded and protected against dust, grit, and other foreign matter.

89317. 6 INCH SPEAKER.
YOUR PRICE $3.75

89318. 5 INCH SPEAKER.
YOUR PRICE $2.94

UTAH SPEAKERS ORTHOVox PM TYPE

A new type permanent magnet speaker at an attractive price. Provides high quality reproduction which compares very favorably with that of the best competing models. Core and driver assemblies are perfectly aligned. Insuring freedom from rattling and vibration even at full volume. Equipped with chrome-steel permanent magnets and aluminum-laminated speaker, enclosed in a solid sealed box. Well shielded from dust and grit. Excellent at low excitation. All parts are ready for installation and can be used right away.

Model 5X-5" Diameter
Ideal for use in A.C.-D.C. and other small sets. Will handle up to 2 watts. A sturdy popular speaker. Shipping wt.: 1 lb.

Model 6X-6 1/2" Diameter
Will handle up to 2 watts. A sturdy popular speaker. Shipping wt.: 1 lb.

Model 12X-12" Diameter
Will handle up to 8 watts. A sturdy popular speaker. Shipping wt.: 5 lb.

WALNUT SPEAKER CABINET ONLY

Cabinet only as illustrated above. Very sturdy. Has built-in finish and attractively designed. Will accommodate any speaker not over 8 1/2" in diameter. 11" high, 6 1/2" wide, 6" deep. $2.94.

SQUARE CABINET MODEL

A sturdy built modern, handsome square-pattern cabinet finished in walnut. Equipped with new, improved 3 1/2" double-magnet magnetic speaker system. With 8 ohm extension speaker. Has built-in grill, built-in back, and lockable cabinet door. Size: 5/8" x 5/8" x 5 1/4" high. Shipping wt.: 5 lbs.

JENSEN PERI-DYNAMIC SPEAKERS

Absolutely new. The "Peri-dynamic" enclosures (dynamic) principle permits precision reproduction of the bass, provides improved performance and positive speaker protection. The principle follows the theory of operation of speakers in the automotive field. The enclosure and the new Jensen 8" PM type O.T. electronic-dynamic speaker were designed for best acoustic results. The performance of the new Peri-dynamic is astonishingly fine, and it is entirely capable of handling a full 5 watts continuously without distortion. Endless-in-a wood cabinet finished in black lacquer and walnut. 12" wide x 3 1/2" high.

For more information, please visit our website or contact us directly.
EXACT DUPLICATE SPEAKER CONES

Duplicated replacement cones accurately designed and carefully constructed to match the originals. One-piece seamless material is used; molded using non-resonant quality. An economical economy. A new condenser is included with each cone. Cones are tightly controlled by patented process to secure an exact duplicate of the original. 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 from the following schedule: 5" to 6" cones $1.00; 7" to 9" cones $1.50; 10" to 12" cones $3.50. Cones are packed in cartons of 12 each. Preliminary inquiries for 12 cones will be charged at a cost not to exceed $2.75. Please send your old cone with remittance. If the entire cone set is in for complete installation, add 75c to above price to cover labor and installing.

EXACT DUPLICATE FIELD COILS

Replacement field coils which exactly duplicate the originals physically and electrically. Perfectly impregnated against moisture. They can be supplied with or without field coils. Over 1500 field coils are available. We can supply field coils other than those listed below. If possible send sample with deposit or specify inside dia. of coil, outside dia. of coil, length of winding, and resistance and we will supply or quote promptly.

REPLACEMENT DIAPHRAGMS FOR DYNAMIC UNITS

For all Racor and Western dynamic units. Please specify model, type, and serial number of your unit. Unit must be shipped to us, for installation of diaphragm at an additional cost of $1.50 net.

SPAKER CENTERING SHIMS

Celluloid spacers for centering and securing dynamic units. Each 9%" in. Used for 3" - 5" speakers. 25 shim. $1.00.

AC-DC FIELD COILS

For midsize 5" and 6" speakers. Each coil is designed 1/4" inside dia. with 2 ga. wire to permit secure installation.

REPLACEMENT PARTS FOR SPEAKERS
NEW RCA MAGIC WAVE ANTENNA SYSTEM

- Easily Installed With Lengths from 20 to 120 Feet
- Versatile—No Doubts or Critical Lengths
- Units with Former RCA Transformers
- May Be Mounted Easily in Any Position

A new all-wave antenna system offers many new features and advantages for quality. Antennas may be mounted vertically or horizontally and from 20 to 120 feet. Several use them from the center of the area are eliminated. No critical lengths in doubles or transmission lines. As many as 18 sets may be used with extra least efficiency new. Magnetite or antenna and transformer give high efficiency from 530 to 23,000 K.C. and good noise reduction. Transmission lines may be added. Factory-wired kit consists of: Receiver and Antenna Coupling Transformers; 42-foot Antenna: 500 ohm. Special wiring cable; 5 porcelain insulators and 1 ground clamp.

B7561, List: $6.95. Net. $4.17
B7562, Distribution Transformer. One is required for each 4 additional outlets. Net. $1.80
B7564, Set Coupling Transformer. One is required for each additional outlet. Net. $1.50

RCA SPIDER-WEB ANTENNA

New communications type antenna system consists of 8 sets of doubles with high efficiency transmission line. Functions as a "Y" type antenna before 3500 Kc., and as a multiple tuned double from 4000 to 30,000 Kc. Easy to install. Has 33 feet span with 12 foot vertical clearance. The unique design of this antenna assures greatest signal pickup on every band. Initing in normal stations than ever before. Factory-assembled for quick installation.

B7568, List: $9.55. Net. $5.37

RCA RK-40 ALL-WAVE ASSEMBLED ANTENNA

- Gives All-Wave Coverage
- Improves Broadcast Reception
- Constructed of Non-Critical Assemblies
- Easy To Install Anywhere

A scientifically designed All-Wave antenna of the Universal Double type. Complete assembly, ready to install; total span is only 83 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 antennas 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 carries this energy to the coupling unit which automatically matches the line to the input circuit of the receiver.

Kit Consists Of:
- Complete antenna assembly, with end insulators. 75 feet transmission line, hermetically sealed antenna joint box, all complete assembly; 1 Receiver matching transformer; 2 Porcelain nail-on hangers; 1 Porcelain lead-in tube; 1 Adjustable ground clamp.

B7569. List: $34.95. Your Price $3.45

ANTENNA INSULATORS

BEE-HIVE INSULATORS

For supporting wire or instruments. Made of glazed porcelain. 36 in. dia. Fine Extra strong and weatherproof. May be used outside to support load-in ground wires.

B6190. 10 for 80c. Each... 9c

STAND-OFF INSULATORS

Highest quality porcelain construction. 4 in. high. For efficient antenna installations.

B6191. 10 for 55c. Each... 10c

STAND-OFF INSULATORS

Glazed porcelain. 4½ in. dia. ¾ in. high. Extra strong. Extra strong and weatherproof.

B6193. 5 for 50c. Each... 18c

Porcelain Insulators


B6192. 10 for $1.85. Each... 2c

B6194. 50 for $8.35. Each... 5½c

FTRX INSULATORS

Strongly insulated for low power loss, with low surface conductivity. Built to withstand heavy, cold, and other atmospheric conditions.

B761. 75c long. 20c

GLASS INSULATORS

Absolutely climate-proof and extremely efficient. Designed for great strain. 3 in. long. Suitable for any situation.

B6195. 10 for 75c. Each... 7½c

B6196. 50 for $3.50. Each... 7c

EYE WALL INSULATORS

Bakelite center mounted in galvanized screw eye. 1 inch diameter. 3 for 25c. Each... 10c

B3430. 3 INCH. 10 for 30c. Net Ea.... 2½c

B3431. 7 INCH. 10 for 30c. Net Ea.... 3c

FEEDER SPREADER

Designed for use with double-double antenna systems. Made of glazed ceramic material. Desired for use on all bands. 2% wide. 1% thick.

B6216. List: $3.50. Net... 6c

B6219. 6½ long. 1¾ inches. 14c

For complete index see Pages 143-144
AERIALS • AERIAL ELIMINATORS

TACO ALL-WAVE AERIALS

MODEL 210

SELF-SELECTING
A new self-selecting all-wave aerial, electrically and mechanically designed to render highest possible efficiency. The use of dual precision-built transformer sections permits matching to any broadcast or Short-Wave, or All-Wave aerial. Entirely eliminates interference, and provides maximum signal pickup, even in noisy locations. Aerial length is only 6 feet. Consists of: 1-Transformer; 2-30 foot coil stranded aerial wire; 75 foot weather-proof transmission cable; all factory-assembled and soldered; 1-insulating screw eye; 2-nail knobs; 2-lead-in wires. Complete installation instructions. Shipped wt. 4 lbs.

B7905. List, $6.75.

$3.97

TOBE WINDOW POLE ANTENNA

FITS ANY WINDOW
PROVIDE LINE SIGNAL PICKUP

Designed especially for radio set installations in permanent houses, etc. This new aerial provides signal pickup for superior indoor aerial reception. Quickly and easily attached to window sill or frame; extends only five inches from the window edge. 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 vertical or horizontal installation. Antenna rod is drawn steel in three demountable sections with slip-fit sockets for rapid set assembly. Knob firmly holds aerial for sale by antique dealers, etc. Of Molding perfect fit to portable radio sets. Heavy cast end bracket fitted with wide-screw fastener; live gum-rubber insulator. Finished in best japan black.

$1.59

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 greatest signal-to-noise ratio in any location. Consists of: 1-Antenna Transfer Unit; 1-Transformer; 2-30 foot coil stranded aerial wire; 60 foot transmission cable. All completely assembled at factory and ready for installation. 1-screw eye; 2-nail knobs; 2-lead-in wires; complete instructions.

B7906. List, $6.75.

$2.50

MASTER AERIAL FOR HOTELS, ETC.

This all-wave aerial is designed to be used in hotels, apartment buildings, etc. Scientifically designed to provide noise-free reception on all bands. Ideal for dealers in large, high-rental areas. Complete instructions included for easy installation. Unit net. Each.

B7907. List, $1.87

$1.47

AERIAL ELIMINATOR AND ANTENNA TUNER

This new device operates as a noise reducer when used with any side aerial. May also be used itself as an indoor aerial. Easily installed with no terminals required. Will improve reception; increases volume of weak stations.

MEISSNER DOUBLE UNIVERSAL WAVE TRAP

Tunes out unwanted interference in either direction on both 50 and 150 KC. Eliminates blackening by powerful local broadcast stations. Compact and efficient; eliminates noise. Easy to install.

RC A UNIVERSAL WAVE TRAP

Traps out interference on all bands. Fits any 700 and 1500 KC. Eliminates annoying noise from local broadcast stations. Ideal for use in hotels, etc.

B7907. List, $2.65.

$59c

$59c

NOISE-REJECTING TACO SET COUPLER

A new innovative design which provides a noise-free equal to any side aerial. May also be used itself as an indoor aerial. Designed to be used with any side aerial. Will improve reception; increases volume of weak stations.

RECEIVER MATCHING TRANSFORMER

A compact and well-made unit for matching the transmission line of any double aerial to any All-Wave or Short-Wave receiver. Provides a very efficient matching between antenna and receiver. Works with transmission line to eliminate noise and increase sensitivity of receiver. Designed for all bands. Has channel switch for all-band operation. Will give very effective results in increased sensitivity and greater signal pickup.

$1.47

$81c

DX LIFETIME AERIALS

Efficient non-directional antennas, fully assembled. Designed to increase selectivity and reduce interference. Especially suitable for successful short wave reception. Completely foolproof, makes installation anywhere. Built of T14 stranded enamel copper wire with nine copper rings. Assembled with two novecan insulators and 25 feet of rubber-covered lead-in wire sold separately.

No. 64

B9135. 6 spacer rings. Contains 250 ft. wire. $2.79

No. 65

B9137. 6 inch dia., 5 spacer rings. Contains 100 ft. wire. 3 lbs. $1.75

No. 46 DOUBLE SYSTEM

A new double aerial with two aerials each designed for noise-free Short-Wave reception. Ideal for use with any All-Wave or Broadcast set. Consists of: 2-30 foot case aerial completely assembled with 25 foot twisted pair lead in. Each case has 3 spacer rings and contains 100 ft. of wire. Should be used with an All-Wave Coupler for maximum efficiency. Weight 3 lbs.

B9133. Your Special Price

$3.59

No. 25 DOUBLE SYSTEM

A noise-reducing aerial for use with all-wave receivers where space is at a premium. Only 16 feet long. Each 3 foot case 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 DOUBLE SYSTEM. Same as above but with 50 feet of twisted pair lead-in, net.

$1.91

100 MAKE ALLIED YOUR RADIO SUPPLY HEADQUARTERS
## BELDEN MAGNET WIRE

Highest grade soft-drawn copper wire, uniformly insulated. Each spool is one continuous length, uniformly drawn; available in 100 ft. 2-conductor, stranded and multi-conductor coils, electrolytically tested. On coiled spools, small metal spools. Absolutely the finest quality magnet wire you can buy.

### RUBBER-COVERED MULTIPLE CABLE

<table>
<thead>
<tr>
<th>Size Feet</th>
<th>NET 34¢/LB.</th>
<th>NET 6¢/LB.</th>
<th>NET 3¢/LB.</th>
<th>NET 1¢/LB.</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
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</tr>
<tr>
<td>1000</td>
<td>.36</td>
<td>.20</td>
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<td>.14</td>
</tr>
<tr>
<td>5000</td>
<td>.16</td>
<td>.14</td>
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<td>25000</td>
<td>.11</td>
<td>.10</td>
<td>.09</td>
<td>.08</td>
</tr>
</tbody>
</table>

### SHIELDED CRYSTAL MIKE' CABLE

A high-grade silken cloth conductor cable. Six layers of cotton and ether insulation; unique, heavy, flexible rubber. 100 ft. $3.00. 1,000 ft. $30.00.

### SHIELDED RUBBER-COVERED CABLE

Extremely high-grade multiple conductor, shielded rubber-covered cable. For microphones, speak- ers, etc. Per foot, all sizes, 5¢.

### RUBBER-COVERED SINK WIRE

100 ft. 10¢. 1,000 ft. $1.00. 5,000 ft. $5.00.

### COPPER-COVERED RUBBER-COVERED SINK WIRE

100 ft. 5¢. 1,000 ft. $5.00. 5,000 ft. $25.00.

### ALL-CONDUCTOR CABLE

100 ft. 5¢. 1,000 ft. $5.00. 5,000 ft. $25.00.

### COMMUNICATING SYSTEM CABLES

Twisted pair cables especially designed for intercommunication systems. Conductors are No. 20 stranded; cotton and rubber-wrapped, with overall cotton and rubber insulation; easy identification. **NET PER FOOT**

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
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<td>1.00-100</td>
<td>100-200</td>
<td>200-300</td>
<td>300-500</td>
</tr>
<tr>
<td>Cat. No.</td>
<td>1-90</td>
<td>100-200</td>
<td>200-300</td>
<td>300-500</td>
</tr>
</tbody>
</table>

### BELDEN AUTOMATIC FREQUENCY SELECTING ANTENNA SYSTEMS

**No. 8907 DOUBLE TYPE**

A radically new application of time-proven principles. The Belden International Co. and Allied Radio Transmission Line have been especially designed for the improvement of reception on both the broadcast and short wave bands. This system, which is not only a better result but also more efficient, is available for broadcast, short wave, and even long wave reception.ideal selection under different circumstances for incom- panies and the system can be tuned by the receiver itself. Complete factory-assembled kit includes 2-120 ft. rolls Beldeennel antenna wire, 1-1/2 foot coil twisted pair lead-in wire, 25 feet ground wire, 1- each, Automatic Antenna and Receiver Coupling hardware, etc. Complete with instructions.

| B2404 | List, $7.70. NET | **$4.49** |

### No. 8901 DOUBLE DOUBLEUT SYSTEM

The Belden No. 8901 Double Doubleut Antenna System is similar to but much more efficient than the No. 8907 antenna described above. A reason of the addition of a second double. Complete factory-assembled kit includes 2-100 ft. rolls 12 /2 insulated wire, 60 feet transmission line, 25 feet ground wire, 1- each, Automatic Antenna and Receiver Coupling hardware, etc. Complete with instructions.

| B2405 | List, $7.75. NET | **$5.14** |

### LEAD-IN WIRE

**ALL RUBBER**

Strand conductor, covered with special rubber jacket, corrosion-resistant, easy stripping and soldering. **NET PER FOOT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size Length</th>
<th>NET 2¢/FT.</th>
<th>NET 1¢/FT.</th>
<th>NET 5¢/FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>16 ft.</td>
<td>.77</td>
<td>.63</td>
<td>.49</td>
</tr>
<tr>
<td>26</td>
<td>20 ft.</td>
<td>.86</td>
<td>.68</td>
<td>.51</td>
</tr>
<tr>
<td>32</td>
<td>24 ft.</td>
<td>.92</td>
<td>.72</td>
<td>.56</td>
</tr>
</tbody>
</table>

### MATCHED IMPEDANCE TWISTED PAIR LEAD-IN

12 ohm twisted pair transmission line, suitable for use with all synchronous transmitters and receivers. **NET PER FOOT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size Length</th>
<th>NET 2¢/FT.</th>
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<th>NET 5¢/FT.</th>
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<td>32</td>
<td>24 ft.</td>
<td>.92</td>
<td>.72</td>
<td>.56</td>
</tr>
</tbody>
</table>

### COMMERCIAL TYPE TWISTED PAIR

20 ohm parallel transmission line, suitable for use with all weatherproof outer cover. **NET PER FOOT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size Length</th>
<th>NET 2¢/FT.</th>
<th>NET 1¢/FT.</th>
<th>NET 5¢/FT.</th>
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<td>32</td>
<td>24 ft.</td>
<td>.92</td>
<td>.72</td>
<td>.56</td>
</tr>
</tbody>
</table>

### TRANSMITTING TYPE TWISTED PAIR

72 ohm line designed for transmitting use. Two No. 12 conductors, stranded; stranded, suitable for use with all synchronous transmitters and receivers. **NET PER FOOT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size Length</th>
<th>NET 2¢/FT.</th>
<th>NET 1¢/FT.</th>
<th>NET 5¢/FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>16 ft.</td>
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<tr>
<td>32</td>
<td>24 ft.</td>
<td>.92</td>
<td>.72</td>
<td>.56</td>
</tr>
</tbody>
</table>

### RUBBER-COVERED MILLI' CABLE

Tinned No. 12 stranded conductor, covered with special rubber jacket, easy stripping and soldering. **NET PER FOOT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Size Length</th>
<th>NET 3¢/FT.</th>
<th>NET 2¢/FT.</th>
<th>NET 1¢/FT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>16 ft.</td>
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<td>24 ft.</td>
<td>.92</td>
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<td>.56</td>
</tr>
</tbody>
</table>

### ELEUTHERE ALLENSTEINER

Underwriters' approval. Provides positive protection. Sturdy and compact. Belden body suitable for indoor and outdoor use. 100 ft. $1.05.

| B2403 | List, $1.40. NET | **$1.18** |

### BAKLEER ALLENSTEINER

Underwriters' approval. Provides positive protection. Sturdy and compact. Belden body suitable for indoor and outdoor use. 100 ft. $1.05.

| B2404 | List, $1.40. NET | **$1.18** |

### DOUBLET ALLENSTEINER

Underwriters' approval. Provides positive protection. Sturdy and compact. Belden body suitable for indoor and outdoor use. 100 ft. $1.05.

| B2405 | List, $1.40. NET | **$1.18** |
SPECIAL VALUE AERIAL KITS

DE LUXE AERIAL KIT
An exceptionally fine kit. Will im-
pair any similar kit. Each con-
tains: 100 feet of 7 strand copper aerial wire; 32 feet of tinned copper aerial wire; 25 feet of slotted ground wire; 50 feet of porcelain insulators; 50 feet of 14-gage wire; 10 feet of 50-gage wire; 1 window lead-in strip; I adjustable ground clamp. Complete in any section: by following the complete instructions. 6 items: Shipped, wt. 8 lbs.

AERIAL WIRE VALUES

EXCELLENT QUALITY WIRE

63c 3492

YOUR PRICE

STANDARD AERIAL KIT
A real value in a complete aerial kit. Includes all materials for a "Marin type" antenna for use with any receiver. Contains: 50 feet of 25-strand copper aerial wire; 30 feet of rubber-covered lead-in wire; 25 feet of rubber covered lead-in wire; 50 feet of porcelain insulators; 2 wire nouees; and an adjustable size type bimetal clamp. Conveniently boxed. Complete instructions are included. Shipping wt., 4 lbs.

ALL-PURPOSE LEAD-IN WIRE

RUBBER COVERED LEAD-IN WIRE

Stranded Wire

Stranded No. 16 rubber-covered lead-in wire. Flexible and easy to work.

No. Ft. 10 for Each
B3470 10 $1.08 40 c.
B3480 50 2.20 80 c.
B3481 100 4.00 80 c.
B3482 200 5.98 1.18
B3483 1000 200 99.96 3.96

Solid Wire

High quality No. 16 rubber covered lead-in wire.

No. Ft. 10 for Each
B3475 10 $1.14 40 c.
B3476 50 2.22 80 c.
B3477 100 4.27 80 c.
B3478 200 6.12 1.18
B3479 1000 200 99.90 3.93

SHIELDED LEAD-IN

For broadcast use, use stranded or stranded tinned wire, with flexible rubber cover. [tinned copper] brand over all.

B3492, 50 90 c.
B3493, 100 1.49 35 c.
B3494, 200 2.39 75 c.
B3499, 500 4.29 80 c.
B3499, 250 0.28 56 c.

COMBINATION LEAD-IN AND AERIAL WIRE

For use on No. 20 stranded copper wire, insulated with cotton pitch, in rubber-covered. An all-purpose wire for aerial, lead-in and set.

No. Feet
B3471 20 4.04 65 c.
B3472 50 8.05 1.36
B3473 100 14.05 2.36
B3474 200 20.05 3.76
B3475 500 40.05 6.96

FLEXIBLE INDOOR AERIAL SPIGOT

For A/C, B/C, and outdoor sets. Moisture-proof brown cotton covering. May be hanged horizontally, installed under rugs or around moldings.

B3483 100 feet 25 feet 45c 85c
B3484 50 1.24 Per Felt

CABLE WIRE

For installation in bus bar wire, conductors, and small size terminal leads. Fine blend, tinned, insulated with varnish.

B2995, Black 8 per 10’ 25 ft. 6c
B2996, Yellow 25 ft. 6.50
B2997, Red 25 ft. 6.50
B2998, Green 25 ft. 6.50

AERIAL WIRE VALUES

Exceptionally high-quality hard-drawn copper wire. Has high conductivity and very little "stretch." Enamelled wire will not corrode; suitable for all types of aerials: single wire, double, or triple type, for All-Wave, or Broad-scan sets. Servitron take advantage of low prices to increase aerial wire sales.

STRANDED ENAMELED

7 STRANDS No. 22

B3445 standard for All-Wave aerials.

For Each
B3445 50 1.16
10 for $3.80
B3446 100 1.16
10 for $7.60

STRANDED BARE

7 STRANDS No. 22

B3447 standard for All-Wave aerials.

For Each
B3447 50 1.16
10 for $3.80
B3448 100 1.16
10 for $7.60

STRANDED BARE

7 STRANDS No. 22

B3449 standard for All-Wave aerials.

For Each
B3449 50 1.16
10 for $3.80
B3450 100 1.16
10 for $7.60

WIRE FOR FARM POWER PLANTS

Weighproof single conductor wire for use with windmills or farm power plants. All copper conductors tinned copper covered and insulated. Available in 2 different sizes. Wire is available in 2 different sizes. Wire is available in 2 different sizes.

B3434, 50 feet, each

Your Price
B3434 50 75.00
B3435 100 143.00

SOLID ENAMELED

Hard-drawn solid copper enameled copper wire for a-milling and receiving. For each

B3440, 100 feet, each

Your Price
B3440 100 43.00
B3441 200 70.00

WEATHERPROOF TWISTED PAIR LEAD-IN

For use as low-impedance transmission line with noise-reducing systems. Two stranded copper conductors, rubber covered. Parabon.

B3437, 250 feet, each

Your Price
B3437 250 75.00
B3438, 500 feet, each

Your Price
B3438 500 143.00

RUBBER TWISTED PAIR LEAD-IN

For all noise-reducing aerial systems employing double or double-doxable systems. Low Impedance No. 20 stranded black rubber covered multi-stranded conductor.

B3488, 50 feet, each

YOUR PRICE
B3488 50 1.39 80 c.

YOUR NET PRICE
B3489 250 5.10 80 c.

WIRE FOR FARM POWER PLANTS

B3491, 250 feet, each

Your Price
B3491 250 75.00

FLEXIBLE MULTIPURPOSE WIRE

For insulating bus bar wire, conductors, and small size terminal leads. Fine blend, tinned, insulated with varnish.

B2995, Black 8 per 10’ 25 ft. 6c
B2996, Yellow 25 ft. 6.50
B2997, Red 25 ft. 6.50
B2998, Green 25 ft. 6.50

FLEXIBLE SPIGOT

For installation in bus bar wire, conductors, and small size terminal leads. Fine blend, tinned, insulated with varnish.

B2995, Black 8 per 10’ 25 ft. 6c
B2996, Yellow 25 ft. 6.50
B2997, Red 25 ft. 6.50
B2998, Green 25 ft. 6.50

HANDYCORD LAMP CORD

Rubber-covered flexible cord; used for replacing worn-out rubber covered cord. It is used for connecting lamps, radios, etc.

B3414, Black 100 feet 2.00
B3413, Brown 100 feet 2.00
B3412, Ivory 100 feet 2.00

RUBBER SERVICE CORD

Round flexible weather-proof rubber cord; ideal for wiring around test-test cord or for making low test cord. Made of 4 strands of No. 14 tinned copper wire, with rubber- covered with insulation, covered by 1/2" wall of rubber.

B2393, 200 feet, each

Your Price
B2393 200 7.60 80 c.

TEST-LEAD WIRE

Extra-flexible no test lead wire. Ideal for wiring around test-test cord or for making low test cord. Made of 4 strands of No. 14 tinned copper wire, with rubber-covered with insulation, covered by 1/2" wall of rubber.

B2365, 200 feet, each

Your Price
B2365 200 7.60 80 c.

YOUR PRICES ARE ALWAYS LOWER—WE WILL NOT BE UNDERSALED
### HIGH GRADE MAGNET WIRE ON SPOOLS

Insulated copper wire of highest quality for all radio and electrical purposes. Wound on spools, spools continuous for winding armatures and field rolls, ferro and transformer coils, rewinding power transformers and chokes. For schools, laboratories, etc. Standard B & S. Gauge. We can supply magnet wire in all sizes and types of insulation in large quantities. Available by the spool and roll. A variety of attractive prices which will save you money on quantity purchases of magnet wire.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Cotton</td>
<td>1/4 lb.</td>
<td>15</td>
<td>$5.25</td>
</tr>
<tr>
<td>Double Cotton</td>
<td>1/4 lb.</td>
<td>25</td>
<td>$5.95</td>
</tr>
<tr>
<td>Double Silk</td>
<td>1/4 lb.</td>
<td>35</td>
<td>$6.30</td>
</tr>
</tbody>
</table>

### CABLES FOR EVERY PURPOSE

#### CRYSTAL MICROPHONE CABLE

Shielde, rubber-jacketed cable. Conductor is long-wearing, properly stranded for easy handling. "V"-grip strap over rubber jacket gives adequate insulation. Each spool holds one continuous, uniformly stranded and insulated length.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Conductor</td>
<td>100 ft.</td>
<td>15</td>
<td>$7.70</td>
</tr>
<tr>
<td>Double Conductor</td>
<td>100 ft.</td>
<td>15</td>
<td>$7.60</td>
</tr>
</tbody>
</table>

#### TELEPHONE WIRE

For telephone and multiple speaker installations. High-grade No. 10 solid tinned copper. Has rubber insulation with placed cotton braid overall.тированный сплав меди.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2490 4 Conductor</td>
<td>500 ft.</td>
<td>15</td>
<td>$18.40</td>
</tr>
<tr>
<td>B2490 3 Conductor</td>
<td>500 ft.</td>
<td>15</td>
<td>$18.40</td>
</tr>
</tbody>
</table>

#### BATTERY CABLES

Well-made. For battery, speaker, and analyzer connections. Copper braid overall. 4½ Foot Cables.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2919</td>
<td>500 ft.</td>
<td>15</td>
<td>$3.60</td>
</tr>
<tr>
<td>B2920</td>
<td>500 ft.</td>
<td>15</td>
<td>$3.60</td>
</tr>
</tbody>
</table>

#### HEADPHONE AND SPEAKER CORDS

Copper tinned inner conductor covered with cotton braided braid. Tips are firmly anchored. Flexible and long-wearing. 4 Single Cords. 4 Double Cords.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2932 Single</td>
<td>1000 ft.</td>
<td>15</td>
<td>$17.15</td>
</tr>
<tr>
<td>B2933 Double</td>
<td>1000 ft.</td>
<td>15</td>
<td>$17.15</td>
</tr>
</tbody>
</table>

#### EXTENSION CORDS

Flexible braid-covered cords for use with extension switches. Have phone tips and connector.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B5555</td>
<td>50 ft. Cord.</td>
<td>15</td>
<td>$2.25</td>
</tr>
</tbody>
</table>

#### SHIELDED LOOM

Heavily insulated and weather-proof. For shielding armatures, lead-ins, cables, and grouped leads.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3677</td>
<td>1000 ft.</td>
<td>15</td>
<td>$4.20</td>
</tr>
</tbody>
</table>

### COTTON BRAID OVERALL

No. 18 stranded conductors, each covered with brown cotton braided overall. Any length. Specify color when ordering.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3801</td>
<td>100 ft.</td>
<td>15</td>
<td>$1.41</td>
</tr>
</tbody>
</table>

### WOVEN SHIELDING OVERALL

Tightly woven overall shielding of fine tinned copper. No. 18 conductor, insulated with rubber jacket. Any size. Specify color when ordering.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3807</td>
<td>100 ft.</td>
<td>15</td>
<td>$1.48</td>
</tr>
</tbody>
</table>

### SHELTER AND RUBBER JACKET OVERALL

Heavy rubber jacket over tinned copper shielding. Ideal for outdoor and heavy duty service.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3814</td>
<td>100 ft.</td>
<td>15</td>
<td>$1.17</td>
</tr>
</tbody>
</table>

### COPPER SHIELDING

Tinned shielding. Very flexible. For use on amplifiers, audio systems, etc. Easily soldered.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3995</td>
<td>50 ft.</td>
<td>15</td>
<td>$0.80</td>
</tr>
</tbody>
</table>

### CLEAR COATED WIRE

Stranded tinned No. 20, carefully treated with flexible color-coded rubber insulatation. Easy to strip. Will not dry out or crack. Available in 5 different and distinctive colors. Use a different color to identify each circuit.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3572</td>
<td>100 ft.</td>
<td>15</td>
<td>$1.15</td>
</tr>
</tbody>
</table>

### PUSH-BACK HOOK-UP WIRE

This tinned push-back hook-up wire is of highest quality. Only even-drawn push copper wire is used. Available in solid and stranded wire. The stranded wire is hook-up wire with non-twisted individual strands with a tensile strength that gives them unusual flexibility. Available in the 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 STRANDED FOOT ROLLS

<table>
<thead>
<tr>
<th>Color</th>
<th>No.</th>
<th>Ft.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>10</td>
<td>100</td>
<td>$2.75</td>
</tr>
<tr>
<td>Red</td>
<td>10</td>
<td>100</td>
<td>$2.75</td>
</tr>
<tr>
<td>Green</td>
<td>10</td>
<td>100</td>
<td>$2.75</td>
</tr>
<tr>
<td>Blue</td>
<td>10</td>
<td>100</td>
<td>$2.75</td>
</tr>
</tbody>
</table>

#### No. 18 SOLID 45 FOOT ROLLS

<table>
<thead>
<tr>
<th>Color</th>
<th>No.</th>
<th>Ft.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>45</td>
<td>52</td>
<td>$3.60</td>
</tr>
<tr>
<td>Red</td>
<td>45</td>
<td>52</td>
<td>$3.60</td>
</tr>
<tr>
<td>Green</td>
<td>45</td>
<td>52</td>
<td>$3.60</td>
</tr>
<tr>
<td>Blue</td>
<td>45</td>
<td>52</td>
<td>$3.60</td>
</tr>
</tbody>
</table>

### SHIELDED LOOP

Heavily insulated and weather-proof. For shielding armatures, lead-ins, cables, and grouped leads.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3677</td>
<td>1000 ft.</td>
<td>15</td>
<td>$4.20</td>
</tr>
</tbody>
</table>

### COLLECTED RUBBER-INSULATED WIRE

Stranded tinned No. 20, carefully treated with flexible color-coded rubber insulation. Easy to strip. Will not dry out or crack. Available in distinctive colors. Use a different color to identify each circuit.

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Ft. Spool</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3572</td>
<td>100 ft.</td>
<td>15</td>
<td>$1.15</td>
</tr>
</tbody>
</table>

### 25 FOOT COILS

<table>
<thead>
<tr>
<th>Color</th>
<th>No.</th>
<th>Ft.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>25</td>
<td>9</td>
<td>$1.20</td>
</tr>
</tbody>
</table>

### ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
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. Carries full load of signal pickup, without reduction, through the entire family of wave lengths. Fitted with bell-shaped finish which can be de-iced to match car color. Minimum height is 30 feet of No. 16 wire aerial.  

EASY TO INSTALL  
Quickly and easily bolted on any car top. Can be installed on vehicles with or without vacuum cups.  

B10470. Polished Chrome Finish, NET $3.53  
B10471. Polished Copper Finish, May be de-iced. NET 2.94  

WARD AUTO AERIALS  
ELEGANT AERIAL  
Holds efficiently. Fits doors, top, or any car. Drawn from vacuum cups, which are permanently welded to a 4 foot rod. Installation is efficient and easy. Flexible—will not break. Easy to install.  

B10383. Two Foot Net $2.06  
B10382. Net $2.06  

"FISHPOLE" AERIAL  
Consists of flexible, insulated 2 foot rod and insulating bracket, Wires are taped to a 2 foot metal support.  

B10381. Your Price $2.35  

"TUR-RETTE" AERIALS  
An "Over-the-Top" auto antenna designed for installation on any car. Consists of a lightweight, insulated wire which can be opened, quickly and easily installed without drilling. Special mounting bracket will attach to any car or truck.  

B10380. Your Price $2.50  

LONG-RANGE TWINS  
A new dual-section undercar antenna with signal pickup which is equal to that of any type aerial, sealed in a metal tube and insulated.  

B10481. Lead-in wire and brackets. NET $1.73  

R.C.A. AUTO AERANTENA  
Based on a fundamental principle which acquires maximum noise with a small aerial. Noise from nearby sources is eliminated by cancelation of signal pickup. This antenna is for use on all aerials and type top cars. Complete mounting bracket. Shelf 4 lbs.  

B10482. RCA No. 9605. List $2.60. NET $1.55  

L.C.A. AUTO AERIALS  
EAGLET TWIN  
A modern double type auto anten na providing maximum signal pickup with reduced noise. Metal clad with full-chrome plate for lasting beauty. Easily installed with vacuum cup mountings. Fits all metal top cars.  

B10475. Open Windshield Cars. NET $2.65  
B10476. For Cars with Permanently Closed Windshield. NET 2.65  

MOTO-WHIP  
A new adjustable auto antenna for all cars. Easily installed without drilling. Maximum length 42". Increases radio reception for both broadcast and c.w. stations. Has snap-type adjustment. Full chrome plated. With lead-in wire.  

B10477. NET $1.32  

HINGLE-WHIP  
An efficient telescopic antenna that is easily attached to the hinge pin of any car door with or without drilling. Fully insulated, non-directional type. Built with the highest quality materials. Made to last.  

B10478. 50' Triple chrome-plated throughout. Lead-in enters through car door. Lead-in wire and bracket. NET 3.35  

TOBE AUTO-POLE  
Consists of a telescopic rod with insulated mounting bracket. Completely assembled and can be attached with ease to the rear bumper of any car. Noisy from nearby sources is eliminated by cancelation of signal pickup. Extends from 3 to 6 feet. Lead-in wire.  

B10481. Lead-in wire. NET $1.73  

"REDHEAD" SENIOR AUTO ANTENNA  
A scientifically designed, welded, vibration-proof running-board antenna of remarkable efficiency. Signal pickup is maximum with minimum of ignition interference. All-metal construction completely shields all soldered connections. Completely waterproof and rust-resistant. Easy to install. No tools required. Will bolt to rattle on hooses. Has net set-up for connection antenna lead-in. Length 45"; width 11".  

EASY TO ADJUST  
The "Redhead" Senior Antenna has mounting brackets of malleable iron which are easily bent for broadcast or c.w. installation with minimum of interference at broadcast. Quickly adjustable over entire length of antenna assembly. No draining is required as the bolts already in the running-board are used. Distance of mounting being controlled is adjustable from 2 to 15. When installed, requires no further attention.  

B10473. NET $147  

KNIGHT AUTO RADIO SUPPRESSORS  
Sturdy, efficient carbon type suppressors for use on 12 volt cars. Heat and moisture proof. Well built to withstand constant vibration. Double coaxial design is pol-ished bakelite case. Fig. D is a new model for the Ford V8. This type replaces original dis-tributor brush and acts as a distributor suppressor.  

B6930. A. Spark Plug Type.  
B6992. B. Distributor Type.  
B6931. C. Cable Type.  
B6934. D. Shorted Brush Type.  

SET OF 5. 55c  
SET OF 9. 94c  
YOUR PRICE, EACH.  
B6930. D. Special small type, 50,000 ohms. For Ford and 1917 Fords.  
YOUR PRICE, EACH.  
12c  

LOW RESISTANCE WIRE-WOUND SUPPRESSORS  
Extremely effective in eliminating motor noise. Possibly will not cure vibration of motor because of low resistance—50 ohms. Moulded bakelite cone, rattleless, market 12" choke coil wound with insulated wire.  

B6951. Plug Type.  
B6951. Distributor Type.  

10 FOR $2.55. EACH  

AUTO RADIO FILTERS  
SINGLE CAPACITORS  
The universal compact type 1750 radio condenser for use on harmoniums, ammuniter horns, etc., to eliminate 300 cycles.  

B2942. 1/2 MFD. Round metal container. NET .65c. Single lead-in lug.  
B2943. 1/2 MFD. Round metal container. NET .65c. Single lead-in lug.  

For horn. EACH  
15c  
B2944. 1 MFD. Round metal container Lugs. Single or double lead-in lug.  

For ear. EACH  
19c  
B2951. 1 MFD. 1/2 cycle, 1% cycle, heavy duty for rear motor. NET 32c  

For generator. EACH  
24c  

CONDENSER & CHOKE UNIT  
A 2 spring choke and dual VD, 1/2 volt condenser in a compact metal case. Ideal for filtering light cycles, condensing low and medium voltage signals.  

B2940. EACH  
43c  
B2941. A 2 spring choke and high voltage condenser in a metal case. For horns, fans, etc. NET 47c  

DOME LIGHT FILTER  
A 1/2 volt condenser and choke in a small insulating container. Especially designed to fit the Ford V8 distributor head.  

B2941. 1/2 volt filter, with 400 cycle condenser. List $1.85. Condenser without insulating.  

B6951. 1933-35 26c  
Wards. EACH  
B6952. 1936-37 V8 Fords.  
NET EACH  
29c
CRYSTAL-FINISHED CABINETS WITH HINGED LIDS
Sturdy steel cabinets finished in black crystalline lacquer. Shelf in each, 12 x 12 in. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2500</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>$1.50</td>
</tr>
<tr>
<td>B2502</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>$2.00</td>
</tr>
<tr>
<td>B2504</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>$2.50</td>
</tr>
<tr>
<td>B2506</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>$3.00</td>
</tr>
<tr>
<td>B2508</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>$3.50</td>
</tr>
</tbody>
</table>

TUBE SHIELDS AT LOW PRICES
CLOSE-FITTING TUBE SHIELDS
For ST13 Bulbs, also for spray-shield type tubes. Body consists of two snap-fitting metal grids, with cap and base. A variety of sizes is available, from 3/8 to 2 x 4 in. for tubes up to 3 x 2 x 3 in. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B5256</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>$0.75</td>
</tr>
<tr>
<td>B5253</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$0.95</td>
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<tr>
<td>B5251</td>
<td>5</td>
<td>5</td>
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</tr>
<tr>
<td>B5258</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>$1.35</td>
</tr>
</tbody>
</table>

COIL SHEILD CANS
Heavy-gauge non-magnetic metal shield cans. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B5259</td>
<td>1 x 1/2</td>
<td>1/2</td>
<td>1/2</td>
<td>$0.60</td>
</tr>
<tr>
<td>B5261</td>
<td>1 x 3/4</td>
<td>3/4</td>
<td>3/4</td>
<td>$0.80</td>
</tr>
<tr>
<td>B5263</td>
<td>1 x 1</td>
<td>1</td>
<td>1</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

METAL TUBE GRID CAP SHIELD
A necessity where metal sheathing is desired. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B5090</td>
<td>1 x 1/2</td>
<td>1/2</td>
<td>1/2</td>
<td>$0.60</td>
</tr>
</tbody>
</table>

BAKELITE TUBING
High grade polished bakelite tubing. Natural finish. Price each.

<table>
<thead>
<tr>
<th>Dia.</th>
<th>Length</th>
<th>Per Ft. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>10 ft.</td>
<td>5c</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>10 ft.</td>
<td>10c</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>10 ft.</td>
<td>34c</td>
</tr>
</tbody>
</table>

BAKELITE PANELS
High quality bakelite paneling for large or small finishes. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>SIZE</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B5010</td>
<td>1 x 1/2 x 1/2</td>
<td>$0.60</td>
</tr>
<tr>
<td>B5012</td>
<td>1 x 3/4 x 1/2</td>
<td>$0.80</td>
</tr>
<tr>
<td>B5014</td>
<td>1 x 1 x 1/2</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

BAKELITE PANELS
Universal metal chassis base for experimenters, labs, etc. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>SIZE</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9722</td>
<td>5 x 8 x 8</td>
<td>$3.00</td>
</tr>
<tr>
<td>B9726</td>
<td>7 x 10 x 10</td>
<td>$4.00</td>
</tr>
<tr>
<td>B9728</td>
<td>8 x 10 x 10</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

METAL PANELS
Electrical
Non-magnetic, rustless metal; beautiful finish. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>SIZE</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9731</td>
<td>10 x 10</td>
<td>$4.50</td>
</tr>
<tr>
<td>B9734</td>
<td>12 x 12</td>
<td>$5.00</td>
</tr>
<tr>
<td>B9738</td>
<td>16 x 16</td>
<td>$6.50</td>
</tr>
</tbody>
</table>

RADIO METAL CHASSIS BASES
For use in constructing radio sets and amplifiers. Two types listed: Template is heavy lead-coated sheet, solders easily. Ideal for making non-magnetic metal; easy to drill; cuts and solder easily. Price each.

<table>
<thead>
<tr>
<th>NO.</th>
<th>SIZE</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9720</td>
<td>5 x 8 x 8</td>
<td>$3.00</td>
</tr>
<tr>
<td>B9724</td>
<td>7 x 10 x 10</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

ELECTRICAL SUPPLIES
We can supply electrical panels to any desired size in inch. Minimum order: 99c

<table>
<thead>
<tr>
<th>NO.</th>
<th>SIZE</th>
<th>NET PIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9727</td>
<td>10 x 12</td>
<td>$4.50</td>
</tr>
<tr>
<td>B9728</td>
<td>12 x 16</td>
<td>$6.50</td>
</tr>
</tbody>
</table>

CHASSIS SERVICE
Allied Radio Corporation, 833 W. Jackson Blvd., Chicago, Ill. 105
SHIELDED CABLE CONNECTORS

Exceptionally rugged construction. Insulated steel cap mates over clip-type socket for plug; provides perfect electrical shielding. Soldered to a rubber grommet end to protect cable. Long contacts assure perfect connection, black lacquered finish. Diameter 3/8", only 14" long.

CABLE TYPE CONNECTORS

For connecting extension cables together. Cable cannot pull apart. Container lock securely with threaded end. Drawn steel shell, with durable polished chrome plated finish. Sold in 10 units.

MALE: Male
FEMALE: Female

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1650</td>
<td>5</td>
</tr>
<tr>
<td>B1651</td>
<td>0</td>
</tr>
<tr>
<td>B1652</td>
<td>8</td>
</tr>
<tr>
<td>B1653</td>
<td>0</td>
</tr>
<tr>
<td>B1654</td>
<td>8, 0.5</td>
</tr>
<tr>
<td>B1656</td>
<td>8</td>
</tr>
</tbody>
</table>

RUBBER PLUG HANDLE

A new one-piece molded rubber plug handle designed to fit snugly over the shielded cable connectors, male and female. Listed by Underwriters. Made of tough, flexible rubber.

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1649</td>
<td>9C</td>
</tr>
</tbody>
</table>

CABLE CONNECTORS

For connecting extension cables together. Cases cannot pull apart. Container lock securely with threaded end. Drawn steel shell, with durable polished chrome plated finish. Sold in 10 units.

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1650</td>
<td>5</td>
</tr>
<tr>
<td>B1651</td>
<td>0</td>
</tr>
<tr>
<td>B1652</td>
<td>8</td>
</tr>
<tr>
<td>B1653</td>
<td>0</td>
</tr>
<tr>
<td>B1654</td>
<td>8, 0.5</td>
</tr>
<tr>
<td>B1656</td>
<td>8</td>
</tr>
</tbody>
</table>

CLIP-TITE SOCKETS

Replacement Type

A new straight socket made of molded bakelite, with long contacts which pull forward firmly. May be mounted in any position, especially universal adapter socket with each socket makes a quick replacement of any wire.

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4524</td>
<td>8</td>
</tr>
<tr>
<td>B4525</td>
<td>8</td>
</tr>
<tr>
<td>B4526</td>
<td>8</td>
</tr>
<tr>
<td>B4527</td>
<td>8</td>
</tr>
</tbody>
</table>

STEATITE TYPE

A new straight socket made of molded bakelite, with short-wire receptacles.

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4533</td>
<td>8</td>
</tr>
<tr>
<td>B4534</td>
<td>8</td>
</tr>
<tr>
<td>B4535</td>
<td>8</td>
</tr>
<tr>
<td>B4536</td>
<td>8</td>
</tr>
</tbody>
</table>

STEATITE TYPE

A new straight socket made of molded bakelite, with short-wire receptacles.

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4533</td>
<td>8</td>
</tr>
<tr>
<td>B4534</td>
<td>8</td>
</tr>
<tr>
<td>B4535</td>
<td>8</td>
</tr>
<tr>
<td>B4536</td>
<td>8</td>
</tr>
</tbody>
</table>

PUNCHES FOR CLIP-TITE SOCKETS

For punching in holes with locking plug for clip-type sockets.

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4641</td>
<td>8</td>
</tr>
<tr>
<td>B4642</td>
<td>6</td>
</tr>
<tr>
<td>B4643</td>
<td>8</td>
</tr>
<tr>
<td>B4644</td>
<td>8</td>
</tr>
</tbody>
</table>

TWO PIECE CONNECTORS

Connectors of two-piece molded bakelite construction. Male and female parts are inserted into brass connectors. Male insert rings lock male and female units securely.

<table>
<thead>
<tr>
<th>MALE</th>
<th>FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4562</td>
<td>8</td>
</tr>
<tr>
<td>B4563</td>
<td>8</td>
</tr>
<tr>
<td>B4564</td>
<td>8</td>
</tr>
<tr>
<td>B4566</td>
<td>8</td>
</tr>
</tbody>
</table>

NEW OCTAL SOCKET

A single molded bakelite socket designed to accommodate all of the new octal base tube types. A single socket will fit all octal, metal-plate, and metal-plated base tube type bases having 4, 5, 6, 7 or 8 prongs, 1/2" mounting centers.

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4531</td>
<td>10</td>
</tr>
</tbody>
</table>

TOP VIEW

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4531</td>
<td>10</td>
</tr>
</tbody>
</table>

SUB-PANEL SOCKETS


<table>
<thead>
<tr>
<th>STANDARD SIZE</th>
<th>MIDGET SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/8&quot; Mounting Centers</td>
<td>1 1/8&quot; Mounting Centers</td>
</tr>
<tr>
<td>E8302</td>
<td>E8303</td>
</tr>
<tr>
<td>E8302</td>
<td>E8303</td>
</tr>
<tr>
<td>E8302</td>
<td>E8303</td>
</tr>
<tr>
<td>E8302</td>
<td>E8303</td>
</tr>
</tbody>
</table>

ALLEN 'TUNING FORK' CONTACT SOCKETS

New type molded bakelite sockets for test equipment use. Silver-plated "tuning fork" contacts suit the needs of the most severe use. Mount above or below panel, or inside standard mounting centers.

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4561</td>
<td>5</td>
</tr>
</tbody>
</table>

PBATE BAKELITE SOCKETS

One-piece molded bakelite construction. Suitable for sub-panel mounting. bakelite bases with 1 1/8" mounting centers.

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4007</td>
<td>12C</td>
</tr>
</tbody>
</table>

COMPOSITE TYPE

Composite molded socket for mounting test instruments.

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4010</td>
<td>15C</td>
</tr>
</tbody>
</table>

HEAVY-DUTY RUBBER HANDLE PLUGS

Molded bakelite plugs and sockets mounted in unbreakable rubber handles. These plugs and sockets prove their worth in severe treatment. 2% nickel.

<table>
<thead>
<tr>
<th>PLUGS</th>
<th>SOCKETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4001</td>
<td>7</td>
</tr>
<tr>
<td>B4002</td>
<td>5</td>
</tr>
</tbody>
</table>

EBY ISOLANTITE SOCKETS

Ideal for H.F. and L.F. use. Insulating electrical contacts. Oval holes for 1 1/8" to 1 1/2" mounting.

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4016</td>
<td>32C</td>
</tr>
</tbody>
</table>

BAKELITE CONNECTOR PLUG

A sturdy heat resistant bakelite connector plug, specially designed for bakelite connector plugs. With Bakelite handle.

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4030</td>
<td>8</td>
</tr>
</tbody>
</table>

BASE MOUNT SOCKETS

A molded bakelite socket with card slot back board. Inserted into bakelite bases will withstand severe usage. 1 1/2" diameter center with bakelite, metal-plated bakelite, and bakelite terminals.

<table>
<thead>
<tr>
<th>SOCKET</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4005</td>
<td>15C</td>
</tr>
</tbody>
</table>

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
LITTLE FUSES

For use in 120 volt circuits. Not for use in radio or electrical circuits. These can be used to replace the fuses in your car or motorcycle. They are also excellent for use in your home or office. These fuses are available in a wide range of sizes and are easy to install.

FUSE CLIPS

These fuse clips are designed to hold the fuses in place. They are available in a variety of sizes and are easy to install. They are perfect for use with your home or office fuses.

FUSE RETAINER

This fuse retainer is designed to hold the fuse in place. It is made of a durable material and is easy to install. This is perfect for use with your car or motorcycle fuses.

MUELLER BATTERY CLIPS

These battery clips are designed to hold the battery in place. They are available in a variety of sizes and are easy to install. These are perfect for use with your car or motorcycle battery.

GRIP CITY STOCK

These grip city stocks are designed to hold the grip city in place. They are made of a durable material and are easy to install. These are perfect for use with your car or motorcycle grip city.

SOLDERING LUGS

These soldering lugs are designed to hold the soldering lug in place. They are made of a durable material and are easy to install. These are perfect for use with your car or motorcycle soldering lug.

BRACKET ASSORTMENT

These bracket assortment kits are designed to hold the bracket in place. They are available in a variety of sizes and are easy to install. These are perfect for use with your car or motorcycle bracket.

LEAD-ACID BATTERY CLIPS

These lead-acid battery clips are designed to hold the lead-acid battery in place. They are made of a durable material and are easy to install. These are perfect for use with your car or motorcycle lead-acid battery.

FIBRE WASHER ASSORTMENT

These fibre washer assortment kits are designed to hold the fibre washer in place. They are available in a variety of sizes and are easy to install. These are perfect for use with your car or motorcycle fibre washer.

FUSIBLE TYPE 3AG

These fusible type 3AG fuses are designed to hold the fusible type 3AG fuse in place. They are made of a durable material and are easy to install. These are perfect for use with your car or motorcycle fusible type 3AG fuse.
JACKS • PLUGS • CLIPS • CONNECTORS

BINDING POSTS

EYB JUNIOR
Insulated posts with non-scooping type, ends never turned. Dia. 13/32. Screw is 1/8.

B4050. Ant. Base... NET EACH... 12c
B4051. Input. Base....... 15c
B4052. Output. Base...... 16c
B4053. Output........... 18c
B4054. Output........... 20c

LIST... 10c NET EACH... 36c

COMBINATION
Top section will receive any standard banana type plug. May be wired for any type of wire. Doz. 80c.

B6326. RED. B6328. BLACK... 6c
B6327. RED. B6329. BLACK... 6c
B6331. RED. B6332. BLACK... 6c
B6333. RED. B6334. BLACK... 6c
B6335. RED. B6336. BLACK... 6c

LIST... 14c NET EACH... 42c

TRIPLE TIP JACKS
Laminated bakelite for microphonic, etc.

B4068. Plain... NET EACH... 6c
B4069. Plain... NET EACH... 6c
B4070. Plain... NET EACH... 6c

LIST... 9c NET EACH... 27c

MOLDING TWIN JACKS
For microphonic, etc.

B4089. Plain.. NET EACH... 15c
B4090. Plain.. NET EACH... 15c
B4091. Plain.. NET EACH... 15c

LIST... 16c NET EACH... 48c

SHORING TYPE
Handy insulated strips to sup-

B4106. Plain.. NET EACH... 15c
B4107. Plain.. NET EACH... 15c
B4108. Plain.. NET EACH... 15c

LIST... 16c NET EACH... 48c

INSULATING STRIPS
Attractive strips with security and rubber terminals.

B6311. 2 9c 0.79
B6312. 3 1c 1.11
B6313. 4 1c 1.11
B6314. 5 1c 1.11
B6315. 6 1c 1.11

LIST... 16c NET EACH... 48c

BABY BANANA PLUGS AND JACKS
New small banana plug and jack made especially for radio equipment. Made of hard brass, nickel-plated.

B6338. PLUG.... NET EACH... 6c
B6339. PLUG.... NET EACH... 6c
B6340. PLUG.... NET EACH... 6c

LIST... 9c NET EACH... 27c

FAHRENSTOCK CONNECTORS

B6331. Single, 1/2" long. NET PER DOZ.... 6c
B6332. Double, 1/2" long. NET PER DOZ.... 26c
B6333. Single, 3/4" long. NET PER DOZ.... 26c
B6334. Double, 3/4" long. NET PER DOZ.... 25c

LIST... 4c NET EACH... 12c

EAGLE INDICATING FUSES
New type fuse which shows both "OK" and "Wits" in window only. "OK" fuse is good; "Wits" will blow when fuse is out.

B3992. 10 Amps. 5c
B3993. 15 Amps. 5c
B3994. 25 Amps. 5c
B3995. 30 Amps. 5c

LIST... 30c NET EACH... 90c

Cord TEST

ALLIGATOR TYPE
Fits. This-need clip, easy to fit into tight places. Handy for all test equipment. Each clip fits all banana plugs. Strong spring clip.

B6148. Fig. A. 2 1/2" long. Per Doz. 30c. B6140. Fig. B. 2 1/2" long. Per Doz. 30c.
B6141. Fig. C. 3 1/2" long. Per Doz. 35c. B6142. Fig. D. 3 1/2" long. Per Doz. 35c.
B6143. Fig. E. 2 1/2" long. Per Doz. 30c. B6144. Fig. F. 2 1/2" long. Per Doz. 30c.
B6145. Fig. G. 2 1/2" long. Per Doz. 30c. B6146. Fig. H. 2 1/2" long. Per Doz. 30c.
B6147. Fig. I. 3 1/2" long. Per Doz. 35c. B6147. Fig. J. 3 1/2" long. Per Doz. 35c.
B6148. Fig. A. 2 1/2" long. Per Doz. 30c. B6149. Fig. B. 2 1/2" long. Per Doz. 30c.
B6150. Fig. C. 3 1/2" long. Per Doz. 35c. B6151. Fig. D. 3 1/2" long. Per Doz. 35c.
B6152. Fig. E. 2 1/2" long. Per Doz. 30c. B6153. Fig. F. 2 1/2" long. Per Doz. 30c.
B6154. Fig. G. 2 1/2" long. Per Doz. 30c. B6155. Fig. H. 2 1/2" long. Per Doz. 30c.
B6156. Fig. I. 3 1/2" long. Per Doz. 35c. B6157. Fig. J. 3 1/2" long. Per Doz. 35c.

LIST... 4c NET EACH... 12c

BABY BANANA PLUGS AND JACKS
New small banana plug and jack made especially for radio equipment. Made of hard brass, nickel-plated.

B6338. PLUG.... NET EACH... 6c
B6339. PLUG.... NET EACH... 6c
B6340. PLUG.... NET EACH... 6c

LIST... 9c NET EACH... 27c

BANANA PLUGS

B6158. Fig. A. 2 1/2" long. Per Doz. 30c. B6159. Fig. B. 2 1/2" long. Per Doz. 30c.
B6160. Fig. C. 3 1/2" long. Per Doz. 35c. B6161. Fig. D. 3 1/2" long. Per Doz. 35c.
B6162. Fig. E. 2 1/2" long. Per Doz. 30c. B6163. Fig. F. 2 1/2" long. Per Doz. 30c.
B6164. Fig. G. 2 1/2" long. Per Doz. 30c. B6165. Fig. H. 2 1/2" long. Per Doz. 30c.
B6166. Fig. I. 3 1/2" long. Per Doz. 35c. B6167. Fig. J. 3 1/2" long. Per Doz. 35c.

LIST... 4c NET EACH... 12c

IMP PLUGS

B6370. Fig. A. A miniature plug with Screw-on connector. Each 6c. Per Doz. 35c. B6372. Fig. B. A miniature plug with Screw-on connector. Each 6c. Per Doz. 35c.

LIST... 15c NET EACH... 45c

Waxley Colored Tip Jacks

B6371. BLACK. EACH... 6c
B6372. RED. EACH... 6c
B6373. BLUE. EACH... 6c

LIST... 8c NET EACH... 24c

IMP PLUGS

B6370. Fig. A. A miniature plug with Screw-on connector. Each 6c. Per Doz. 35c. B6372. Fig. B. A miniature plug with Screw-on connector. Each 6c. Per Doz. 35c.

LIST... 15c NET EACH... 45c

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL. 109
BLOW TORCHES - PLIERS - SCREW DRIVERS

LENK BLOW TORCHES
HI-HEAT BLOTCH TORCH
This heavy-duty blow torch assures perfect results. Features flame control, shut-off valve, and non-clogging burner. Furnished in design and construction; a self-cleaning type. Generates quickly from substances like dry-cloth or gas. A DODUO® Flame. The tank is of heavy gauge seamless drawn brass, with funnel shaped button for easy filling. Height 14" inches; diameter at base 3 1/2 inches. 20 lbs. are available, either for alcohol or gasoline fuel.
B6223. Type 85. Uses alcohol. List $1.25. Your Price $1.05.

MODEL 145
A sturdy built gasoline torch for all heavy soldering jobs. Special burner provides hot blue flame; new needle is designed specifically for rust and scale. Fuel is of disposable type. PUMP is excellently equipped and heat proof. Tank holds a quart of fuel. Has heat-resisting Kable- life valve wheel. Shpg. wt., 4 lbs.
B6229. NET. $3.80.

IMP GASOLINE HAND TORCH
B6221. Your Price $0.69

RCA CABINET REFINISHING KIT
For refinishing scratched, stained or damaged furniture. Leaves a coat that can be cleaned or cleaned with liquid. Standard 1" size.
B7618. NET. $2.90.

KRAEUTER PLIERS

VALUES IN PLIERS

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 easy cuts even on 8 inches. Particularly useful in radio construction and repair work. Every man, experienced or inexperienced, can use these pliers to good advantage.
B7903. Your Price $0.38.

END WRENCH SET
A handy little wrench set with many uses. Wrenches are made from high grade steel, properly hardened for long service. The set consists of: a 5", 6", 7" wrenches, and a 8" wrench. With a slip-resistant jaw. American-made.
B2078. Complete set of 3 wrenches. NET. 10c.

SCREWDRIVERS

American Made
Highest Quality

GRIP POINT UTILITY SCREW DRIVERS
Especially designed for starting or removing screws in tight, congested spaces. revolving tang aids easy screwing in the hands. Instantly released or locked by a slight turn of the thumb. The thumb is used as a conventional screwdriver. Length, ¾" overall. High quality hardwood-rasp wooden handle. No. For Screw Sizes.
B7713... 8-20... EACH... $1.18

NON-SKID SCREW DRIVER
Stainless, wide flat point. Handy fpoints for small work. 1 inch blade. American-made.
B7712. 3-inch blade. NET. 14c.
B7711. 2-inch blade. NET. 12c.
B7710. 1-inch blade. NET. 10c.

FIRM-GRIP SCREW DRIVERS
B7715. 3 INCH BLADE. WP. PRICE $0.34.
B7716. 6 INCH BLADE. WP. PRICE $0.43.
B7717. 8 INCH BLADE. WP. PRICE $0.52.

INSULATED BLADE SCREW DRIVER

MUELLER SNAPPER
May be used to start nuts and screws in out-of-the-way places; serves as a drill in inaccessible spots, or may be used as a punch. Consists of universal nut mounted in a 1/2 inch insulated tube. Push-button on the top opens and closes. American-made.
B7718. Your Price $0.16.

HANDY LOW COST SCREW DRIVER KIT
A popular kit of three screwdrivers in the most useful sizes. Comes in convenient blistered box for shop wall mounting. Each screwdriver is insulated handle and inner guard. Blades measure 5", 5 1/2", and 6". American-made.
B7719. NET PER SET... 38c.

SCREW DRIVER KIT

FLEXIBLE SHAFT SCREW DRIVER
Here is a screwdriver that eliminates the lot of skipped head screws. Special flexible shaft allows its use in many awkward places where ordinary screwdriver cannot reach. All insulated morse screw locators, fluted insulated handle. 8% blem.
B7739. Your Price $0.88.
CIRCLE CUTTERS
A fine value in an American-made tool. Sturdy, built to last for cutting circular holes smoothly and evenly.
B7731. No. 4. Cuts holes 1 4 in. diam. price...
B7732. No. 5. Square Shank. Cuts holes 1 8 in. diam....
B7733. No. 6. Square Shank. Cuts holes 1 4 in. diam....
B7735. Extra cutter blades for No. 4 and No. 5 circle cutters...
B1615. YOUR PRICE...

GOODELL-PRATT HAND DRILL
Highly serviceable with solid steel frame and single speed, cut point. Handle is heavy, with three-jaw chuck. Cuts holes any size up to 1/2 in. 19 lbs. wt., 3 lbs. price...

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 blade is heavy and strong, and is adjustable to accommodate all blades from 8 in. to 12 in. size. Wt., 8 lbs...
B7722. YOUR PRICE...

QUALITY HACKSAW BLADES
Flexible blades of special alloy steel, heat-treatment to produce maximum hardness and hardness, set and blued. 24 teeth per inch.
B7724. 8" BLADE...
B7725. 10" BLADE...
B7726. 12" BLADE...
B7727. YOUR COST PER DOZEN...

QUALITY PUNCHES
SOLDER AND COMPRESSION PUNCHES
Punches clean round holes in sheet metal (chloride keys, panels, etc.). Each punch is pre-drilled, no pre-drilling necessary. Made of best quality rustproof hardened steel to give lasting service. New pin-point center striking pin cuts out holes without drilling; contour edges cut clean, accurate holes. All punches are disassembled and oil-timed. These punch sets are all American-made...
B1644. For 1/4" Holes...

CLIPITTE SOCKET PUNCHES
Also designed for cut holes to cut for the "CLIPITTE" tube sockets. Provides locking key for socket...
B1641. 1/8" Standard...
B1642. 1/8" and 7/8 Comb...

ICA RIVET & EYELET PUNCH SET
A universal tool for forming any size eyelet or rivet. Heavy cast-iron rivet has hexagon sides. It may be run in any position, tightly and easily. Prevents damage to tubular rivets and nails. Suitable for cotton, leather, etc. Al... by the size of the rivet...
B1616. net...

ACRO CHASSIS CRADLE
Hold any radio set chassis in any position tightly and accurately. Prevents damage to tubes, coils, dials, etc. A must for complete repair. Quick and easy to adjust by means of movable type-like clamp... Solid, sturdy construction. Will serve your repair jobs...
B1617. YOUR PRICE...

MORRIS COIL WINDER
Universal coil-winding machine. Will wind any size of wire, around the center. Includes Wilco-Winder (6") slide, and 36 feet of wire. Complete with guide and instructions...

NEW SERVICE KIT
Includes the following: 2 standard handles, 2 short prod handles, 2 phone posts, 2 phone tips, 2 phone tips, 2 rubber tips, 2 black flexible wire, 2 insulated screwdrivers, 2 hex socket wrenches (1/4" and 5/32"), 2 screwdrivers (5/8" and 3/8"), 1 screwdriver (tip, jack-grid caps), leather kit of 3 open end wrenches, 1 general purpose tool and a hammer...
B2107. Net...

SOCKET WRENCHES
SPIN-TYPE WRENCHES
A complete selection of high grade hexagonal socket wrenches for every radio requirement. Sockets are of hardened steel designed to grip tightly. A series of heavy aluminum-plated steel with ribbed easy-to-strip wooden handles. A variety for use in tight places. Sizes listed will handle all standard nut sizes used in radio work...
B2055...

HOLLOW HANDLE WRENCH SET
American-made...
B7377. YOUR PRICE...

LOCK-SOCKET WRENCH SET AND SCREWDRIVER
A set of 9 sockets in assorted sizes to 7/8", 2 squares, and round nuts. Consists of 3 1/4" head and 1/2", 3 1/4" x 7/8", 3 1/4" x 1 1/8", and a 3 1/4" x 1 1/8" socket mounted on a 9.5" long handle. Includes 3 hex sockets in 1 1/8", 3/4", 1/2", 1 1/4" x 7/8", and 3/8" sizes, 2 square sockets in 1/2" and 3/8" sizes, 1 round nut socket, 1 L shaped extension 4" long and 1 screwdriver wrench handle...
B6516. YOUR PRICE...

SOCKET WRENCH SET
Flexible laminated steel shaft will bend around corners. Provisional bending of wires which is inaccessible to ordinary tools. Has comfortable fluids, and a handle, 16" long; equipped with five socket wrenches sizes 3/8", 1/2", 9/16", 5/8", and 11/16"...
B7350. YOUR PRICE...

FLEXIBLE DRIVE SOCKET SET
This handy chest contains 11 in. and 3/4" stubby tools for the service man or potenti...
LATEST SERVICE TEST LEADS AND TEST KITS

PENCIL TEST LEADS
A service kit that meets all testing need. Handles are 6" long with 2 set leads attached to banana type plugs. Each kit contains 2 alligator clips, 2 needle point tips, and 2 alligator clips, all of which fit tightly on banana tips of test leads. Interchangeable tips make this kit ideal for all types of testing.

PRICE
B2106. 1set. $1.30. NET
B2107. 10 sets. $10.00.

AMERICAN TEST KIT
A complete test kit with innumerable uses. Consists of: 5-1/2" and 2-1/2" test prod handles with banana type plug, each pair red and black; 2 needle point clips; 2 alligator clips; 2 toggle type plugs; 2 banana plugs; 2 banana screw terminals. Also 1 red, 1 black 10,000 volt rod.

YOUR PRICE
B2121. Each. $1.15.

ALIGNMENT AND NEUTRALIZING TOOLS

ALIGNMENT TOOLS
Here is a tool kit that every serviceman should have. Provides the correct tool for neutralizing or allizing any type of receiver. Contains: 1 pair each of insulated conductor tips; 1 alligator clip with screwdriver tip; 10" balancing tool; 1-3/4" neutralizing tool; 1 case for new metal tube sets.

YOUR PRICE
B2122. Each. $2.75.

DE LUXE KIT
Contains all the high quality tools in the regular kit, but also includes 3 new items: the magic tuning alignment tool and the newly developed flexible roller screwdriver. These tools are indispensable for aligning the new all-wave sets with their small roll and trimmer assemblies. Complete with leatherette pocket case with belt loops.

YOUR PRICE
B5529. Each. $2.94.

INSULATED NEUTRALIZING SCREW DRIVER
This handy tool has a pivot handle with pocket clip. Completely insulated. Ideal for neutralizing and alignment work. Useful tool for servicemen. Colorful insulator construction. 51/2 inches long. Narrow 1/4 inch diameter enables this screw driver to be used in tight places.

YOUR PRICE
B5603. Each. $1.80.

4-IN-1 SERVICE ALIGNMENT TOOL
Combines in one package: a tool for setting coil, a tool for setting trimmer, a tool for checking angle, and a tool for setting screws. A must for every serviceman.

YOUR PRICE
B5636. Each. $4.40.

PHILCO, RCA, SET TRIMMERS
A specially designed tool, used for precision alignment of the small-spare coil and trimmer assemblies used on the new all-wave sets. Screwdriver is turned down to a diameter of 1/4" for a depth of 1/4", so that it will easily pass through a 1/4" hole. Other end is 1/4" hex. nut wrench with external metal reinforcing band.

YOUR PRICE
B5653. Each 6" trimmer. $4.40.

INSULATED NEUTRALIZING SCREW DRIVER
This handy tool has a pivot handle with pocket clip. Completely insulated. Ideal for neutralizing and alignment work. Useful tool for servicemen. Colorful insulator construction. 51/2 inches long. Narrow 1/4 inch diameter enables this screw driver to be used in tight places.

YOUR PRICE
B5603. Each. $1.80.

4-IN-1 SERVICE ALIGNMENT TOOL
Combines in one package: a tool for setting coil, a tool for setting trimmer, a tool for checking angle, and a tool for setting screws. A must for every serviceman.

YOUR PRICE
B5636. Each. $4.40.

PHILCO, RCA, SET TRIMMERS
A specially designed tool, used for precision alignment of the small-spare coil and trimmer assemblies used on the new all-wave sets. Screwdriver is turned down to a diameter of 1/4" for a depth of 1/4", so that it will easily pass through a 1/4" hole. Other end is 1/4" hex. nut wrench with external metal reinforcing band.

YOUR PRICE
B5653. Each 6" trimmer. $4.40.
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 rugged die-cast iron housing. Heats up quickly; stays hot. Two types of tips are supplied with iron to handle all work from fine soldering to heavy work. Switch is located on handle, 1½" from tip. The well-shaped handle remains cool even when iron is continually used. Equipped with black insulating handle and 6 foot heater cord. You set your money's worth in this fine iron.

B2005. YOUR SPECIAL PRICE.... $65c

100 WATT KNIGHT SOLDERING IRON

A high quality all-purpose iron. 1½ inch diameter removable screw-on copper tip. With black insulated handle and 6 foot heater cord. You set your money's worth in this fine iron.

B6006. YOUR SPECIAL PRICE.... $97c

KESTER SOLDERERS

Unmatched in the highest grade tin and lead available. Flux Billing adds perfect penetration joints. Complete line of solder available. Used by engineer's everywhere. The 5 oz. solder that can be bought. Have money by buying the handsomest pound of spool. ALUMINUM

A fluxfilled solder that will acidweld aluminum. 1 oz. burgundy, $1.99; 1 Pound...... $1.99

ACID CORE

Kester Solder with pure white rosin core flux. B1675. 1 oz............ $0.64

B1676. Per Tin........... $0.64

B1678. Per Tin........... $0.64

KESTER SOLDERING PASTE

A new improved soldering paste. Does a clean, non-corrosive job of soldering. Excellent for radio work.

B6181. 1 oz. FOR $1.05. PER TIN........... 12c

DRAKE SOLDERING IRONS

Underwriters Tested and Approved. A sturdy dependable iron for all shop or service requirements. Equipped with an "Easy Grip" non-tilting wood handle. Heating elements are of highest-grade nichrome wire precision wound on genuine amber mica. Heats soldering heat quickly. Removable copper-plated tip and with set screw adjustment. With 6 foot cord and unbreakable plug. B2203. 80 WATT. Length 11" tip distance 3½". Wt. 1½ lbs. Lst. $1.50. YOUR PRICE...... $1.85

B3520. 100 WATT. Length 12½" tip distance 4½". Wt. 1½ lbs. Lst. $1.75. YOUR PRICE...... $2.20

B5521. 110 WATT. Heavy Duty type; has a threaded tip. Lst. $3.50. YOUR PRICE...... $3.95

AMERICAN BEAUTY SOLDERING IRONS

B2000. True 31-58. Adapted for production work on radio, ignition, telephone, etc. 5x the heat of 16 w. Length 12½"; tip dia. 1½", 6 foot cord. Wt. 1½ lbs. Lst. $2.75. YOUR PRICE...... $4.85


TIPS FOR AMERICAN BEAUTY IRONS

B2202. Extra 3½" tip for Type 3158. NET..... 39c

B2203. Extra 1½" tip for Type 976. Soldering Iron. NET...... 21c

DRAKE VARIABLE HEAT CONTROL

A variable heat control which will regulate the heat of your soldering iron. A convenient toggle switch, mounted on the back of the stand, instantly selects the heat required for your work. Will keep any soldering iron up to 150 watts at constant heat for hours. Prevents scorching or burning of work or work area. Equipped with a variable heat control, 5 inch long. For 115 Volts A.C. or D.C. Shipping cost, 2 lbs. B2202. YOUR PRICE...... $2.23

7-INCH SOLDERING IRON HOLDER

A sturdy, well-built soldering iron holder measuring 7 inches long. Solidly constructed. Use indoors, or on workbench. Prevents scorching or burning of work. Prevents scorching or burning of work. B2206. YOUR PRICE...... 12c

ICA SOLDERING IRONS

IC-A. A new, practical soldering iron, well-designed and properly built. Heating element is of the highest grade nichrome wire wound on genuine amber mica. Heats soldering heat quickly. Removable copper-plated tip with set screw adjustment. With 6 foot cord and unbreakable plug. B5520. 60 WATT. Developed by J. E. Iacovides, M.A. List. $3.75. YOUR PRICE...... $1.89

B25521. 110 WATT. Heavy Duty tip. 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 will be in every school. B25521. 110 WATT. 1 oz. copier tube. 12½" long. List. $1.25. YOUR PRICE...... $1.89

UNDERWriters' APPROVED

This quality iron has a Nichrome wire element, mounted in a twin silver, carbon tube. Equipped with a good quality copper tip, two inches long. With brown finished well-designed"Easy Grip" handle and 5 foot Underwriters' approved. Suitable for general radio and light soldering work. A value that is unbeatable. B6009. NET EACH. YOUR PRICE PER DZ....... $0.88

CARDINER RAY SOLDER ROSIN CORE

A new rosin-core solder specially developed for delicate electrical and radio work. Price is the same, but rosin-core flux assures freedom from corrosion. Makes dependable lasting joints. Each holds solder with givre accuracy and saves money. B6184. 1 LB. SPOOL...... 12c

B5997. 1 LB. SPOOL...... 30c

B5998. 1 LB. SPOOL...... 30c

B5999. 1 LB. SPOOL...... 45c

SOLDERING IRON TIPS

High quality replacement type solder iron tips. Make your soldering iron as good as new. No. 3, Size 22 with piercing tip. B5997. 1 LB. SPOOL...... 30c

B5998. 1 LB. SPOOL...... 45c

B5999. 1 LB. SPOOL...... 1.50

MAGIC STYLUS SOLDERING PENCIL

A new, small, easy-to-handle soldering tool of quality. Soldering small parts in delicate locations. Heats quickly. Insulated handle with finger grip guard prevents burning hands. B6150. 110 VOL T.C. OR D.C. List. $1.50. YOUR PRICE...... 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; re-heat quickly. B6151. 75 WATT. \#9 tip. List. $1.50. Underwriters' Approved. B6152. 75 WATT. \#10 tip. List. $1.50. Underwriters' Approved. YOUR SPECIAL PRICE...... $1.47

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL. $1.13
"A Fine Rig... A Swell Shack... 

THANKS TO ALLIED* 

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 1/2 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.

Microphones. Shure, Astatic, Universal, and Antuprite 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.

* 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.
Double section toter. Supplies of type YOUR PRICE EACH Unes. Filaments. Present model SW45. Series for terclockwise. -t7 1 coils $22.50. -loss plue 180 Suppliai. TYPE liable ALLIED with V. Uses chine- divided 131527. Dial rim. Neat etched the for 4" 51422 51432 100. 100. and ver- 45c 1750. 1750. Read 10.0. 0.0. signal to receiver with two tuned RF stages and a audio-tuned L.F. stages. Accurate calibrated gain-up in coils. Microphone dial with 300 divisions offers ample range (although not as great as the ISO model). The Junior set is supplied with coils tuning from 10 to 25 meters (7 amateur bands). Additional coils listed below. These are well made black and white crystal steel cabinet. 4% x 5% x 9. Stop weight 35 lbs. Our Time and Price Plan and the rep by the Navy. Write for details of attractive easy-pay terms.

**B10065.** AC SW-3, 25 watt. Supplies complete with BCA tubes (1-58, 2-57, 1-210, 1-12F, 1-345, and one set of coils (10 to 20 meters). Less speaker and power supply. $108.00.

**B10066.** For 55 volt battery operation. Supplies complete with BCA tubes (1-58, 5-63, 1-230, 1-12, 1-13) and one set of coils covering the Amateur 10 and 20 Meter bands. Less speaker and batteries. List $110.00.

**YOUR PRICE EITHER MODEL**

**DYNAMIC SPEAKER**

**B10067.** A high quality 8" P.A. type speaker mounted in a attractive cabinet. $14.10. NET EACH.

**AB POWER PACK**

**B10046.** Type SW-3B, 100 watt. Less speaker and 100 watt Junior. For 16 V. 60 Cycles A.C. List 12 lbs. Tube. 16 lbs. $15.90.

**HRO JUNIOR COILS**

**B1400.** Set of coils covering the Amateur 40 and 80 meter bands. List $14.40.

**B1401.** Set of coils covering the Amateur 80 and 10 meter bands. List $14.80.

**B1402.** Set of coils covering the Amateur 10 and 20 meter bands, 1.7 to 5 M.C. List $9.90.

**MODE TRANSFORMERS**

**B1469.** Several units with air-tuned primary and close-tuned, untuned, parallel-tuned. Quality for use in noise-suppressing circuits, for lattice antenna couplings to a doped detector tube. Another 50 to 500 microfarads, mounted and thoroughly moistureproofed. Hardened in aluminum silicate. $2.10.

**S. S. WAVE EQUIPMENT**

**COMPLETE SELECTION**

**B10055.** Type 5555 AB Power Supply. Requires 80 tube for 100 volts 60 cycles. A.C. List $22.50. NET.

**B10054.** Type 55B Power Supply. Has electrolytic and double section filter. Supplies 6" B" voltages. 22-45 V., 40-60 V., 50-90 V., and 200 V. (net). List $17.70.

**B10056.** Type 55E5 AB Power Supply. Requires 80 tube for 100 volts 60 cycles. A.C. List $22.50. NET.

**DOUBLE SPREAD COILS**

NEW NATIONAL NC-80X RECEIVER

A new communications receiver designed for A.C. or 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 super-twin circuit. New 1500 ICF AF amplifier assures complete supervision without R.F. pre-amp. Tuning range is from 350 Kc. to 50 M.C. in four ranges, making it ideal for the Amateur or for short wave listening. New full-twin dual with multiple scales accurately calibrated; handy tuning markers, scale, equipped with variable frequency markers for logging stations, marking band limits, etc. Dial has two vertical reduction readings, 10 to 1 and 8 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 600 K.C. to 5 K.C. for sharp tuning of CW or for high quality reception of phone signals. Self-contained power supply does away with separate units; units are all mounted with excellent efficiency for 110 V. A.C. or 550 A.C. supply. Beam power 2500 milliwatt output tube supplies 8 watts of undistorted audio to high quality 8" P.M. speaker. Designed for high efficiency, low cost and long life. New variable inductor system allows tuning to any station in the world, 350 Kc. to 50 M.C.

SPECIAL AMATEUR BAND NC-81X RECEIVER

A completely new communications receiver designed for maximum efficiency on the crowded Amateur bands, similar to the Model 80X as described above but incorporates several features making it an exclusive Amateur model. Tuning is continuous across the Amateur bands and does not cover the intermediate short wave frequencies. New mechanical bandspread selection is provided by a single bandspread on the 160, 80, 40, or 10 meter bands. Novel design of calibrated full-twin dial makes accurate location of stations possible. This feature alone is extremely valuable to the Amateur operator who handles traffic schedules, or to the DX fan; enables the operator to remove his microphone without turning the receiver. Exceptionally high stability makes reception of CW or 'phone stations possible even though severe interference has been built into the receiver. 110 Volts, 15 Watts, D.C. power supply. With tubes and high-grade 8" P.M. speaker.

SE 270°

This well-known condenser has distinctive line frequency plates, 270° rotation. Silver-plated insulated plates are aluminum: two types of 120 and 180° plates with non-inerting insulated. Each contact is through constant-impedance tail. 15 mmf., and 25 mmf. condensers have thick plates with rounded and polished edges. All other types have insulated plates; edges are not polished. Ideally suited for use in all types of high frequency receivers. Single or double-insulated units are especially suited to bandspread circuits.

ST 180°

Similar to type 210, but with 160° Strain-Liner-Waveguide plates, and somewhat more m.e.r. compact. 12, 25, and 50 mmf. condensers with and without single bearing. Others take two bearing.

STOCK

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SPLITTERT MODEL

ULTRA-MIDGET CONDENSER

Contact makes the midget condenser for Ultra-Midget H.F. use in receiving and transmitters, for packing or small volume, and is practically a miniature of the Fixed-Tuned receiver stages of band-switching circuits. Insoluble plates. Sheet metal encapsulation is used on all parts. Sheet metal is removed. Solder mount is used on all parts. Sheet metal encapsulation is used on all parts.

TYPE U: SINGLE-SPACED

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PRECISION GANGED CONDENSER WITH MICROMETER DIAMETER


160 M.M.F. PER SEC. 225 M.M.F. PER SEC.

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<td>Complete Drive Unit, 900 M.M.F. Drive</td>
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</tr>
</tbody>
</table>

FOR COMPLETE INDEX SEE PAGES 143-144
FB7A & FBXA RECEIVERS

Two popular seven tube communication type receivers for the Amatuer and S.W. fan. Features: ample sensitivity and selectivity, with all tuned stages; 151 F-type grid and drive; front panel plugs in coil, complete shielding and filtering for greater than 95% rejection of outside interference; all r.f. mounted on frame. Model FB9X has built-in crystal filter, 11-120 MHz, 28 lbs., 2800 TYPE 10 TUBE, 1-57, 1-56, 2-24A, 1-53 tubes. Shipping cost, coil & power supply.

Net $417.00

FB1006. HEAVY-DUTY POWER PACK. Type 500AB. For maximum performance. For high ambient sets for headphone operation only. 110 V., 50/60 cycles. Less 10 tube.

Net $75.00

FB1007. POWER SUPPLY. Type 500AB. For high ambient sets for headphone operation only. 110 V., 50/60 cycles. Less 20 tube.

Net $14.70

COILS FOR FB7A & FBXA RECEIVERS

General coverage and Band-Spread Coils. Forms are RSC; windings are covered with protective sleeve. With metal end and binding.

BAND-Spread Coils

No. Band Range PER PAIR

B1447. 10 meter Band 4.20

B1448. 20 meter B. S. 5.20

B1449. 40 meter B. S. 6.00

B1450. 80 meter B. S. 6.00

B1451. 160 meter B. S. 6.00

NATIONAL INSULATORS

AA3 AAI AAS


B1571. TYPE AA-5. Aircraft component. Use by 4000 V. 2 1/4 in. high. NET 21c.

STAND-OFF INSULATORS

B1573. TYPE ST-3. Small isolating insulators designed for extreme efficiency. 1 1/4 in. dia. NET 15c.

B1574. 1 1/4 in. dia. NET 16c.

B1575. Fig. B. A Steatite insulator for multi coil high frequency condenser. 1 7/8 in. dia. NET 15c.

ACORN TUBE SOCKETS

B1501. FOR 20, 40, 60, AND 80 Meter X. TUBE. Each 36c.

B1502. For Pentodes. Has aluminum base with all contacts bypassed to ground. Net $1.20

FIXED TUNED EXCITER TANK

An ideal unit for use in multi band receivers using band switch. Aluminum case, 40% with 20 band; 24 band and R-30 coil form, 15 in. dia. 15 in. long. With plug-in base, for use in exciters below. Aluminum switch, 2-pole, 3-section, are covered. Tones from top to bottom.

B1512. Base, NET 9c.

B1513. TYPE FTX8. 6 Prong Plug-in Base, NET 2$4.94

B1514. TYPE FTX9. NET 2$4.94

B1511. TYPE FTX. Without plug-in base, NET 2$7.00

ACORN TUBE SOCKETS

B1501. FOR 20, 40, 60, AND 80 Meter X. TUBE. Each 36c.

B1502. For Pentodes. Has aluminum base with all contacts bypassed to ground. Net $1.20

POWER PENTODE TYPE

Large wide frequency isolating socket for the RKD and RKX types. Three point mounting. Side-wiping contact clips. $2.16

B1595. Each. As above but less stand off insulation. Net $1.80

UNIVERSAL MOUNTING TYPE

 Completely new, universal isolating socket which can be used in any type of receiver. May be mounted in several ways by means of stand off supports, or by means of flanges supplied. Full pin wipping terminals do not extend above top of socket and cannot cause shorts.

No. PRONGS

B1515. 4 Each.

B1516. 5 NET 2$4.94

B1517. 6 NET 2$4.94

B1518. 7 NET 2$4.94

B1519. 8 Each. 2$4.94

NATIONAL R-100 R.F. CHOKE

Ideal for high frequency circuits. Extensively used in various forms of transmission lines, power lines, and for tuning circuits. Has continuous 4 section universal inductance in 2 increments, 4000. Air-dielectric capacity can be used in 1mu. 2% Mu, 125 Ma., 50 ohm D.C. resistance.

B1479. Net 80c.

TRANSFORMING TUBE CHOKE

Universal chokes utilizing mono-comb-type windings in five sections. Rated at 500 WATT D.C., 5000 d.c. resistance. 1000 watt, Max. 500 watt, 5000 mA, continuous. Inductance, 1.50 millihenry, 1.00 microhenry, 5000 Ma continuous. Net $1.05

NATIONAL COIL FORMS

RECEIVER FORMS

Low-loss R-30 forms which are extremely popular with amateurs and experimenters. Easy to work with. DINER-ARNOLO type. No. PRONGS NET EACH

B1491. 4 Prong. EACH. 45c.

B1492. 5 Prong. EACH. 65c.

B1493. 5 Prong. EACH. 68c.

B1494. 6 Prong. EACH. 70c.

B1495. 7 Prong. EACH. 76c.

B1496. 8 Prong. EACH. 80c.

B1497. 9 Prong. EACH. 89c.

TRANSFORMER FORMS

Ceramic ferrite for winding low-loss transistors. Grooved and drilled. Net $1.05

B1498. XR30A. 20 or 40 meter. 90c.

B1499. XR26A. 80 meter. 1.00.

B1500. XR26A. 30 meter. 1.35.

BUFFER COIL FORM and SOCKET

A new insulated, low-loss coil form with a 51/6 in. dia. and 81/8 in. high. Plug with 14 prongs easily attached to coil form by means of two screws. Plug may also be used separately for air-wound coils. Socket is provided with five side-wipe contacts. Plug and socket are made of ceramic in low-loss form. No. Description NET EACH

B1501. Complete Assembly. 1.50

B1502. Coil Form Only. 0.10

B1503. Socket Only. 0.45

PLUG-IN COIL FORM and SOCKETS

This completely new UK-10A coil form and socket assembly consists of the XR-30A coil form for 20 and 40 meters and 80 meter tubes. Plug-in Base and Socket. Plug-in 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 holes are complete with all straps for mounting to TMA condensers if desired. No. Description NET EACH

B1503. TYPE UR-10A. Coil Form Only. 1.00

B1504. TYPE XR-10A. Coil Form Only. 2.75

B1505. TYPE PB-15. Plug-in Base Only. 0.90

B1506. TYPE XB-15. Socket Only. 0.95

ROTOR CLAMPING DEVICE

B1558. For revolving rotor shaft of TMA or DRB motor. TRIMMING CONDENSERS. Easy to mount. Holes firmly in 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 short-wave FM system, made up of two main units: the transmitter and its power supply. Designed by leading engineers, every detail of layout and wiring is worked out for you in advance. Contains a 41 crystal oscillator and overload regulator, a push-pull amplifier, and a complete transmitter which can be used with any tubes. Tuning is easy and is controlled by pull-ins. A blocked-set keying of the transmitter, and a tuning indicator prevents clicks. Complete kit contains all necessary parts, drilled and finished. Instructed booklet furnished. 

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. B9851. Less tube. NET. $28.25

SPEECH AMPLIFIER AND POWER SUPPLY

B9852. May be used as a modulator for the 40 watt R.F. unit or as a voltage-controlled push-pull amplifier, or as a modulator with either T-3939 transformer or T-3934 transformer. Input for carbon microphone or C.W. tube. Circuit consists of two 83 tubes in parallel, 8-45 tubes, and 1-82 tubes. Kit complete and wired. NET. $34.75

B9853. Same as above but with T-3934 transformer. Less tubes and plate coils. YOUR PRICE $27.15

500 WATT R.F. AMPLIFIER

Are amateurs and engineers alike are interested in the use of the All-Star 500 watt R.F. unit, increase power economically. Designed for use with the 49 watt R.F. unit, the 500 watt R.F. unit is designed for operation with any tube unit, furnishing 15-25 watts for each. Uses 2-83 tubes in push-pull. Panel and chassis base are drilled and finished. Even the beginners can build and operate the 500 watt R.F. unit. Equipment is complete, consists of chassis, base, hardware, knobs, insulators, meters, everything except the tubes and plate coils. No need to solder or to build a high power amplifier for your present rig or for the 40 watt All-Star transmitter. Complete and wired. B9864. Less tubes and plate coils. YOUR PRICE $48.95

200 WATT MODULATOR

B9865. Will 100% modulate the 500 watt R.F. amplifier or your own high power amplifier. Required in all high power transmitters. Uses 2-83 tubes in class B kit. Complete and wired. NET. $25.10

B9866. 38% INCH RACK. Standard inch relay rack, has ample mounting space for all R.F. units and speech amplifier-modulator units. Shipped knock-down. 26 lbs. NET. $8.95

B9867. 7/4 INCH RACK. For rack mounting of the All-Star units for complete 500 watt CW, 100 watt phone rig. Shipped knock-down. Wt. 40 lbs. NET. $10.95

JOHNSON INDUCTORS FOR ABOVE TRANSMITTER

High grade inductors are made to suit your needs. B9868. Type No. Meters. NET. $5.20

D9869. 634. 40 $3.95

D9866. 630. 100 $4.88

ALL-STAR INSTRUCTION BOOK

14 complete pages of assembly data for the All-Star Transmitter. Clear concise instructions, photos, and layout diagrams make construction easy. B1002. NET...$15.00

TRIPLETT MONITOR MODESTION

Provides visual indication of carrier shift and accurately measures percentage of modulation. Efficient than antenna meter-calibrations, aerial modulation charts, and low-light-light measurements. Accurately calibrated at factory. Trouble indicator can be used with any phone rig. For 110 volt 60 cycle A.C. D9868. List. $37.95. 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 and economy and is a class C.W. and phone transmitter. Can be assembled and wired in a few hours. No cutting or drilling; all cabinets and chassis bases drilled and ready to assemble. 

80 WATT CW KIT

An ideal starting kit for the beginner. A base on which to build to a complete 200 watt station for the advanced amateur. This transmitter is a perfect addition to the well-equipped amateur. Complete operating instructions, photograph line drawings, complete line and parts list. Can be assembled and operated by any experienced ham. Complete kit furnished. B9858. Complete kit, less only tubes, crystal and meters. NET. $49.75

50 WATT MODULATOR KIT

B9859. When used with the 50 watt CW kit will provide a powerful 1000 watt power supply for use with any tube rig, output of 50 watts, with adjustable impedance output transformer. Uses 1-445, 1-245T, 1-200B, 1-199, and 1-582 tubes. Requires 2 meters. 0-500 to 0-2000 A.C. Wt. 40 lbs. NET. $44.50

ANTENNA COUPLER KIT

B9860. A complete antenna matching unit for use with either the 50 or 80 watt CW kit, or with any other transmitting or receiving outfit. Uses 89863. Volt and crystal finished for two-wire feed system and low-loss coil. Will match any type of tuned transformer. Complete line to 1200 MHz. Requires only 1-258, 1-256, and 1-255 tubes. Cabinet size and style as 50 watt kit. Complete, line assembled. NET. $19.75

300 WATT MODULATOR KIT

B9861. High efficiency high-power modulator for use with the 300 watt R.F. unit or with any similar type of high-power unit. Uses 2-550, 2-551, and 1-200 tubes. Has all-covered high-power power supply which will provide clean, continuous service. Input circuit is arranged for line coupling to exciter and output circuit is arranged for output couplings to either 60 or 100 watts. Requires 240 volt 100 and 6000 A.C. 89858. Cabinet matches other D.C. equipment. size is 18" x 18" x 8 1/2". No antenna coupling circuit. Complete kit furnished. B9862. Complete, line assembled. 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 low power transmitter and includes all parts and instructions necessary to complete the kit. B9864. Complete kit, less tubes and meters. NET. $49.75

RCA ACT-20 TRANSMITTER

Especially designed for the advanced amateur requiring a truly first-class CW, S.S.B., or FM transmitter at low cost. Will deliver 20 watts into a two-wire feed or two-wire antenna system. Complete kit furnished. B9866. Complete kit, less only tubes. NET. $129.50

NET PER SET OF COILS FOR ANY SPECIFIED BAND

B9848. R.C.A. Tube Kit. NET. $8.50

B9849. R.C.A. Tube Kit for Audio Section. NET. $3.90

B2550. R.C.A. Double-Band Micrometers. NET. $6.90

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD. CHICAGO, ILL. 119
**Short-Wave RECEIVERS • TRANSCEIVERS**

**RME MODEL 69 SINGLE SIGNAL SUPERHET**

A precision-built receiver for the Amateur and Short-Wave Listeners. Exceptional performance in every frequency range of operation. Has two 5U4 plates, for high output and sensitivity. Also designed for the most severe conditions. Excellent for listening to long-range DX. Complete with speaker, microphone, and power supply. $30.00

**PRESELECTION ON ALL BANDS**

High-gain prescaler stage eliminates image signals; increases selectivity and immunity to noise. All major parts, FETs, etc., are laboratory-burned and subjected to rigorous tests. Low-noise input stage. Quality throughout. Tubes used are 56F8, 6C6, 6F6, 112, and 120. Every RME-69 is completely laboratory-tested and tuned. This receiver is known for its accuracy and is calibrated in DR.

WRITE FOR DETAILS OF OUR TIME-PAYMENT PLAN.

**RTL “COMPACT” PORTABLE TRANSMITTER-RECEIVER 56-60 MC**

A portable unit that is "at home" anywhere. It weighs only 11 lbs. Entirely tubeless. A Class B Modulator, and 1-9 of push-pull push-pull stage. This unit is designed for operating Amateur service or sponsored services. Complete with shelf, microphone, and power supply. The compact but powerful unit is housed in a rugged metal cabinet. $265.00

**PEAK PRE-SELECTOR AND PRE-AMPLIFIER**

A new design of the familiar Peak Preselector. Will add increased selectivity to any portable receiver. Designed by engineers to improve sensitivity by reducing noise. $19.00

**NEW IPS RUBBER CRYSTAL**

Do you have the heavy GEM "tuck" type of transistors? You can make your own 5600 leakage with this new remote-control unit. Slide out and reduce noise and distortion on the circuit. The DX receiver you want to use will have accumulators in multi-normalized positions of the main unit, and can be easily switched to any frequency. The IPS Rubber Crystal is placed on the output stage of the receiver to improve sensitivity and reduce noise. $2.00

**BIO343. Complete with tubes, less speaker.**

**YOUR PRICE ...**

**NEW RCA AMATEUR RECEIVERS**

**ACR-155**

A new, up-to-the-minute receiver for the Amateur. All new features: tuned circuits; shielded interstage transformers; audio gain control; AVC; fast tuning; and more... $250.00

**TUNE 520 TO 22,000 KC**

Three bands, continuous tuning range from 520 to 22,000 KC. Amateur bands clearly defined with simple hand-held. Tuning dial shows calibration scale for easy reading. $750.00

**BIO399. Complete with tubes, less speaker.**

**YOUR PRICE ...**

**NEW ACR-111**

This fine 16 tube superheterodyne is carefully designed to fulfill every requirement of modern high frequency communication service. An ideal receiver for the amateur or service. Tuner limits will be 500-1400 KC. Includes 2 break-in QSTs, 1-6 and 1-2A1. Complete with shelf, microphone, and power supply. The compact but powerful unit is housed in a rugged metal cabinet. $189.00

**ARR-7 COMMERCIAL RECEIVER**

A new design for the Amateur. Simple to operate and easy to use. $275.00

**NEW RTL 56-60 MC DUPLEX TRANSMITTER-RECEIVER**

**Tyne TR6A.** A complete transmitter and receiver that permits duplex operation in the Amateur 5 meter band. Re-ceiver transmitter combined, high efficiency circuit; individually shielded. Space can talk and listen without throwing a switch as is required in transmitters. Duplex or Blank, or Blank or Duplex, with Break-in operation. 1 to 2 watts. $460.00

**BIO119. Complete with tubes, less speaker.**

**YOUR PRICE ...**

**BIO396. Complete with tubes, less speaker.**

**YOUR PRICE ...**

WRITE FOR DETAILS OF OUR TIME-PAYMENT PLAN ON AMATEUR RECEIVERS.
**LATEST HALLICRAFTERS**

**LOW PRICED SKY BUDDY**

Here is the ideal receiver for the amateur or shortwave fan who has always wanted a professional type receiver, at an inexpensive price. Has all the features of larger, sets, and is capable of real professional performance. Prices starts at $29.50 for 18 to 355 meters. In 3 bands. Features include core iron F.P. A.V.C., which can be turned off for I.W. reception; calibrated dial with 38 to 40 tuning bands; high isolation; shielded band oscillator, controllable from panel; built-in power supply and speaker. Arranged for use with either straight antenna or doubler. Headphone jack and all controls are mounted on the front panel. Uses tubes as follows: 1-84, 1-427, 1-75, 1-12 and 1-50. Mounted in rugged, handsome metal cabinet. An exceptionally fine receiver at a low price. For 110 Volts, 60 cycles A.C.

**$29.50**

**SKY-CHIEF**

A new communication type receiver designed for superior design and construction. An efficient superhet- erodyne circuit makes use of seven tubes to give ten band tuning. Features include among the features of this receiver are: new tuning system; Band switching; to turn from 120 MC. to 540 MC. tuning. A.R.C. built-in sensor, amateur, shortwave broadcast, police, and regular broadcast bands; variable boost on core iron F.P. stage. A.V.C., R.F. and audio gain controls; mechanical handsets; built-in power supply, and stand-by switch. Uses 1-78, 1-6A7, 1-857, 1-75, 1-42, 1-605, and 1-80 tubes. In attractive, rugged metal cabinet. For 110 Volts, 60 cycles A.C.

**$44.50**

**SKY CHALLENGER**

A recent addition to the famous Halliecraters line. The "Sky Challenger" embodies many of the salient features of the higher priced "Super Challenger." Has been engineered to satisfy the most critical amateur. Covers frequencies from 480 to 550 K.C. (7.5 to 8.0 meters) with 11 tubes. A.C. operated. Features included are: Iron core F.P.'s; air trimmed R.F. coils; nine tubes as follows: 1-EC8, 1-857, 1-6L7, 1-857, 1-6Q, and 1-6F. Signal action crystal optional; Headphone jack: A.V.C. switch; Send-receive switch; Band oscillator with control. Complete paired circuit arranged for either double or conventional antenna; i.w. audio output. No speaker.

**$69.50**

**B10159. Model SX-15.**

**$79.50**

**B10164. 6 P.M. speaker in attractive metal case.**

**$9.50**

**WRITE FOR DETAILS OF THE HALLICRAFTERS TIME PAYMENT PLAN**

**SHORT WAVE RECEIVERS**

**NEW SUPER SKY-RIDER**

- **Latest 1938 Type**
- **Directly Calibrated**
- **6 Band 65 A.C.**
- **Electro-Mechanical Bandspread**

The "Headliner" for 1938! Built just as smoothly as the critical Amateur or Short Wave fan, this new model has all the features of all communications receivers. Has literally "everything." Features: Continuous tuning range; 450 K.C. to 6 M.C. in 4 directly calibrated ranges; 21 tube superhet circuit with extreme selectivity; R.F. stage on all bands with controllable gain; many more features, found only in receivers costing much more. The new 1938 Super Sky-Rider has been designed to fit 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 2-857, 2-6L7, 2-617, 2-117, 2-617, and 2-474. For 110 volts 60 cycles.

**$99.00**

**B10160. Less speaker.**

**YOUR NET PRICE.**

**B10161. Model SX-6.** Same receiver as above except that it includes crystal built in as integral part of receiver.

**$111.00**

**NET.**

**S-12 COMMERCIAL SKY-RIDER**

An 11 tube superhet receiver designed to meet the communication needs of ship and amateur fans. Features include: 11 tubes in the i.f. stages, Continuous tuning range from 5 to 1600 meters (109 K.C. to 115 M.C.) L.F. frequency is 1400 K.C. Permits tuning to all weather conditions. Calibrated dial; i.f., with critical selectivity; built-in Jensen speaker, calibrated dial; tetrac; metal cabinet. For 110 Volts 60 cycles.

**$99.00**

**B10157. Model SX-12.** As above but with improved crystal filter; plus one 12 P.M. Dynamatic speaker.

**$114.50**

**B10163. 12 P.M. SPEAKER.** In metal cabinet. **NET.**

**$114.50**

**NET.**

**ULTRA SKY-RIDER**

Designed for use on the 20 and 40 meter bands. Covers the 80 and 160 meter bands. Features include: 11 F.P.'s and Audio gain controls; Send-receive switch; Band oscillator with control. Uses tubes as follows: 1-614, 2-614, 2-117, 2-617, 2-6Q, 1-6F, and 1-592. Designed for black metal cabinet. For 110 Volts 60 cycles.

**$99.00**

**B10152. Model SX-18.** Less speaker. With tubes.

**NET.**

**$114.50**

**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**

**NEW SARGENT RECEIVERS**

**ALL-WAVE RECEIVER MODEL 11-11**

Standard all-wave communication receiver for the Amateur or Short Wave fan. Uses five high efficient tubes in a modern and T.R.F. circuit. Carefully designed to provide minimum interference with the greatest possible signal strength. No plug-in coils are used; bands are selected by tuning. Has built-in power supply, lock-in switch and head一处on control panel; effectively calibrated tuning dial smooth, silent return of controls; built-in Jensen speaker. Covers all amateur short wave broadcast, commercial and regular broadcasting bands from 5 to 3500 meters. Smooth operating mechanical bandspread is controlled by calibrated tuning dial, smooth, silent return of control. A.C. operation. May be used with either double or single wire antenna. Uses 1-614, 2-614, 2-6Q, 2-617, and 1-592 tubes. Housed in a sturdy metal cabinet, finished in dark ceramic enamel. For 110 volts 60 cycles A.C. operation.

**$52.00**

**B10391. Complete with tubes. YOUR NET PRICE.**
NEW "110" SERIES "SUPER PRO"
FINES PROFESSIONAL TYPE COMMUNICATIONS RECEIVER

**NEW 16 TUBE CIRCUIT**

The world's finest all-purpose communication receiver. Built around a 16 tube supercircuit which includes every development in high efficiency receiver design. Includes most new features thus it has been at an extreme low price. Here is something simple enough for the novice to tune in stations from every point on the earth. New available in all models; S-110 tunes from 15 to 150 meters in bands from 15 to 200 meters in 5 bands. Either model with or without crystal filter. Particularly suitable for all United States Air Force, Marine Aircraft, Municipal, or Amateur Communications work.

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**I.F. TRANSFORMERS**

**TYPE **7**

Specially designed for experimental and replacement purposes. Double-tapped in series to simplify connections on isolated bases. Adjustable from top of can. All in-lid wound and wax-insulated. Aluminum shield can is 2 9/16" dia., 3 3/4" high. Base mounting by threaded base on 2" centers.

**TYPE 5/7" MIDGETS**

As above but in compact case, 3 9/16" square, by 3 9/16" high. Mfg. price 1 1/2c.

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**TRANSMITTING CONDENSERS**

**TYPE **MTC**

For high and ultra high frequency units. High operating frequency, has been attained by constant invariable of aluminum oxide, silver-plated contacts, and isolated plate insulation which are complemented with high conductivity in all conditions. Each condenser designed for best plate or base mounting.

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**H.F.D. DUALS**

While retaining all the old time high frequency duals, this greater versatility in all types of circuits. Each dual in a complete series, providing a total capacity of half the capacity of one section at the breakdown voltage.

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**H.F.D. DUAL MINIATURES**

A new dual condenser for use in low-priced transmitters, etc. Has insulated base; notched for easy breaking of mutual inductance; simply set between sections for grounding. Capacitor brass base; 1 1/2" high x 2 3/8" long. Double spaced.

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**HAMMELWANTR TRIMMING AND PADDLING CONDENSERS**

**"EC" EQUALIZERS**

For balancing, neutralizing and trimming purposes. Made dielectric: bakelite base, 1% - 0.002. Adjusting screw in.

B5374, 3-35 MF. List 36c. $243.00

B5376, 22-80 MF. List 40c. $243.00

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**"MEX" EQUALIZER**

Extremely low low-conductors, comprising mono- dielectric: bakelite base, with mica dielectric and phenolic bronze plate. 3 to 300 units.

B5376, List 30c. $243.00

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**"APC" MICRO CONDENSERS**

High quality air dielectric condensers, complete in size and particular to B.W. and other frequencies, 1000 kc. 1% tolerance. Standard voltage: 1200 volts, 1% tolerance. For use in all types of condensers. Each $2.70

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**"ICT" IRON CORE I.F. TRANSFORMERS**

A new iron core I.F. transformer which utilizes maximum gain at point of maximum tube efficiency, and not only improves selectivity. Core is of high permeability material, is non-inductive, and low in noise. The iron core is 1/2" high. Mounting centers 1% I.F. frequency 185 kc. Price $2.70

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**SEPARATE POWER SUPPLY**

External power supply measures 14 1/4" wide x 6 1/8" high with base connecting cable. Has a separate rectifier for grid bias. Full-field calibration for the dynamic miner. Fort 110 Volts, 60-cycle operation.

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**B10141. MODEL SP-110.** Has full tuning meters. Complete with tubes, power supply, and 5" speaker. For 110 volt 60-cycle operation. NET $243.00

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**B10142. MODEL SP-116S.** Tuning values of condensers are marked on the face. Complete with tubes, and 8" speaker. For 110 volt, 60-cycle operation. NET $243.00

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You can buy your Super Pro receiver on our convenient deferred payment plan. Complete payment schedule will be sent on request.

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**NEW FEATURES**

Electrostatically Shielded Input
Noiseless Band Switching
Two T. R. in All Bands
Continuous Variable Selectivity
Visual Tuning Meter
Calibrated Band-Width Control

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**MANY NEW FEATURES**

These new sets 110 Super Pro receivers incorporate every desirable feature for maximum performance. Most important new tuning dial with 15 to 1 ratio calibrated in KC and M. Variable band width, new range for extra high fidelity reception; with calibrated control. More features are: heatsheet, dielectric mounted coils, tune-able bandswitching, and manual controls. Variable I.F. selectivity, bandwidth on all I.F. bands and many others. Every metal, every crystal, every feature. Send for copy of Hammelwander catalog for complete data.
HAMMARLUND CHOKES

MIDGET CHOKES CH-X

For receivers and transmitters. Adaptable to many uses in even the smallest space. Universal- wound. Thoroughly impregnated core is of isolantite. May be mounted by its own leads in any position. D.C. resistance, 0.5 ohms. Rated at 2.1 M. 125 MA. Price, 11¢ each.

HAMMARLUND "SWK" S.W. PLUG-IN COILS

Efficient, well-designed R.W. coils. Wound on high grade mica forms. High frequency coil end-windings have heavy silver-plated wire. Others have heavy enamelled copper wire. For use with 1½ in. condenser.

No. 4 PRONG COILS: 17-270 METERS. Kit of 4.

B5335. List, $1.75. NET, $1.05

“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 mfd.

List, $1.10. NET, $0.75

DUAL MIDGET CONDENSERS

High quality midget condensers. Insulated with isolantite. Brass or copper end-windings. Cold-wound with an .025" air gap are suitable for use with transformers, heavy plate circuits, etc. Single hole mounting. 3½" deep bank, depending on capacity.

B5341. List, $1.80. NET, $1.20

DOUBLE-SPACED MIDGETS

Have special bearings and isolantite insulation. Especially efficient at ultra-high frequencies. Air-gap,.0715; 90c.

B5343. 50 MFD. PER SECTION. Semi-circular Plates. Minimum capacity 6.5 mfd.

List, $3.00. NET, EACH, .50

ULTRA SHORT WAVE COIL FORMS

Inductance coil forms designed for maximum efficiency at high frequencies. 1½" in diameter with two mounting holes, 1½" mfg. centers.

B5382. List, $1.00. YOUR PRICE, 90c

ACORN TUBE SOCKET

Designed for the new RCA 955, 956 and 964 type tubes.

Net, EACH, 40c

ACORN TUBE SOCKETS

Standards

Low-loss isolantite sockets. Have long leakage paths with positive non-slip, dust-proof, wire gripping contacts. With mounting pillars. Glazed top and sides. Sub-panel mounting standard 7½ x 3½ x 1½ ¼" x 1½ ½" mount-

ing centers.

List, .95c

NEW SWF LOW-LOSS COIL FORMS

Rugged low-loss forms of XP-93. Rigid for air-spacing, with brass end-windings. Have shield inside for minimum condenser. 1½ in. dia. x 2½ long. Natural amber color.

B5391. 5 PRONG FORMS: 12c

B5373. 6 PRONG FORMS: 21c

ULTRA SHORT WAVE COIL FORMS

Inductance coil forms designed for maximum efficiency at high frequencies. 1½" in diameter with two mounting holes, 1½" mfg. centers.

B5382. List, $1.00. YOUR PRICE

HAMMARLUND "STAR" MIDGET CONDENSERS

A popular low priced midget choke set built entirely of high frequency components and laboratory. Sizes for short wave tuning, regeneration and coupling. See through coupling, very small. Single hole mounting. ½" shaft. Size, 3½ x 1½ x 1½. High and heavy duty. Sealed panel, depending on capacity.

B5332. List, $1.40. 1½" deep panel, depending on capacity.

P R O D U C T S

HAMMARLUND CHOKES

MIDGET CHOKES CH-X

For receivers and transmitters. Adaptable to many uses in even the smallest space. Universal- wound. Thoroughly impregnated core is of isolantite. May be mounted by its own leads in any position. D.C. resistance, 0.5 ohms. Rated at 2.1 M. 125 MA. Price, 11¢ each.

HAMMARLUND "SWK" S.W. PLUG-IN COILS

Efficient, well-designed R.W. coils. Wound on high grade mica forms. High frequency coil end-windings have heavy silver-plated wire. Others have heavy enamelled copper wire. For use with 1½ in. condenser.

No. 4 PRONG COILS: 17-270 METERS. Kit of 4.

B5335. List, $1.75. NET, $1.05

“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 mfd.

List, $1.10. NET, $0.75

DUAL MIDGET CONDENSERS

High quality midget condensers. Insulated with isolantite. Brass or copper end-windings. Cold-wound with an .025" air gap are suitable for use with transformers, heavy plate circuits, etc. Single hole mounting. 3½" deep bank, depending on capacity.

B5341. List, $1.80. NET, $1.20

DOUBLE-SPACED MIDGETS

Have special bearings and isolantite insulation. Especially efficient at ultra-high frequencies. Air-gap,.0715; 90c.

B5343. 50 MFD. PER SECTION. Semi-circular Plates. Minimum capacity 6.5 mfd.

List, $3.00. NET, EACH, .50

ULTRA SHORT WAVE COIL FORMS

Inductance coil forms designed for maximum efficiency at high frequencies. 1½" in diameter with two mounting holes, 1½" mfg. centers.

B5382. List, $1.00. YOUR PRICE

ACORN TUBE SOCKET

Designed for the new RCA 955, 956 and 964 type tubes.

Net, EACH, 40c

ACORN TUBE SOCKETS

Standards

Low-loss isolantite sockets. Have long leakage paths with positive non-slip, dust-proof, wire gripping contacts. With mounting pillars. Glazed top and sides. Sub-panel mounting standard 7½ x 3½ x 1½ ¼" x 1½ ½" mount-

ing centers.

List, .95c

NEW SWF LOW-LOSS COIL FORMS

Rugged low-loss forms of XP-93. Rigid for air-spacing, with brass end-windings. Have shield inside for minimum condenser. 1½ in. dia. x 2½ long. Natural amber color.

B5391. 5 PRONG FORMS: 12c

B5373. 6 PRONG FORMS: 21c

ULTRA SHORT WAVE COIL FORMS

Inductance coil forms designed for maximum efficiency at high frequencies. 1½" in diameter with two mounting holes, 1½" mfg. centers.

B5382. List, $1.00. YOUR PRICE

HAMMARLUND "STAR" MIDGET CONDENSERS

A popular low priced midget choke set built entirely of high frequency components and laboratory. Sizes for short wave tuning, regeneration and coupling. See through coupling, very small. Single hole mounting. ½" shaft. Size, 3½ x 1½ x 1½. High and heavy duty. Sealed panel, depending on capacity.

B5332. List, $1.40. 1½" deep panel, depending on capacity.
MERRILL LOW "C" TRANSMITTING INDUCTORS

Designed for maximum efficiency in high or low power transmitters. Low dielectric losses; solid construction. 50% efficient, low loss bushings. "C" series coils which are wound with No. 16 wire will handle 1 kW. "A" series coils are for medium power ("A" series are for Antenna Coupling).

B311, YOUR PRICE $8.00

TRANSMITTING DUALS

B314, YOUR PRICE $13.50

OHMITE R.F. PLATE CHOKES

High efficiency R.F. chokes for all transmitter circuits. Braid layer windings on ceramic core are held in place and insulated by a moisture-proof coating. Rated at 1000 MA.

B9250, TYPE Z1. For the 4 meter band. Inductance, 54 microhenries. Resistance, 3.8 ohms. Only 1/5" long with conical bushing.

NET 15c


NET 44c


NET 65c

OHMITE VOLTAGE DIVIDERS

Ideal for transmitter power supplies. Crescent-shaped, high efficiency, with sliding contact. Used for intermediate or final power amplifiers where output is high. Covered with baked enamel coating. Will operate up to 8000 volts on open circuit.

B20000, TYPE E. For 8000 MV. Inductance, 0.001 microhenries. Resistance, 0.8 ohms. Immunity, 1000 MA. Covered with baked enamel coating. Will operate up to 8000 volts on open circuit.

NET 15c

B20010, TYPE EX. For 5000 MV. Inductance, 0.001 microhenries. Resistance, 0.8 ohms. Immunity, 1000 MA. Covered with baked enamel coating. Will operate up to 5000 volts on open circuit.

NET 44c

B20020, TYPE EX. For 5000 MV. Inductance, 0.001 microhenries. Resistance, 0.8 ohms. Immunity, 1000 MA. Covered with baked enamel coating. Will operate up to 5000 volts on open circuit.

NET 65c

TRIM-AIR MIDGETS

For use wherever high quality, minute condenser is needed. Small enough to mount inside 1/4" or 1/2" shield can. Two or more can be easily ganged. Can be used for pilot tuning condenser or low power neutralization. With mounting hardware, 3/4" frames or clips. Sizes are 100, 350, 1000, 5000 volts.

B8273, TYPE 4. For 100, 350, 1000, 5000 volts. Immunity, 1000 MA. Covered with baked enamel coating. Will operate up to 5000 volts on open circuit.

NET 1.86
COTO CONTROL WHEEL

A new line of dials and indicators especially suited for use on amateur transmitters. Combine the advantages of blank control dial and pointer in a single attractive professional type control. Will give your equipment that much desired commercial appearance.

CATHODE RAY TUBE DATA BOOK

B386. Contains valuable technical and operating information on RCA deForest Amateur Transmitting tubes. Detailed data of real value....

RCA TUBE DATA BOOK

B385. Contains valuable technical and operating information on RCA deForest Amateur Transmitting tubes. Detailed data of real value....

CATHODE RAY TUBE DATA

A complete booklet on the operation of Cathode Ray tubes.

KNIGHT UNMOUNTED TRANSMITTER CRYSTALS

High quality, inertive, unmouted X-cut crystals. Averagely selected from the finest quartz available; individually calibrated by leading manufacturer of fine crystal products. Frequency will be within 1% of specified frequency under normal conditions; deviation of frequency of mounting used. Each one of these fine line tubes has one only possible frequency of these six frequencies as found in many photocell crystals.

FREQUENCY Kilocybes

B2510. $1.95

B2512. $1.50

NET.

INSULATED GRID CAPS

B6331. Standard size for receiving tubes. $6.00 each...

NET.

B6333. Large size for transmitting tubes such as 6060, etc. $11.00 each...

NET.

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL. 125
BLILEY MOUNTED CRYSTALS
Cut from the finest raw Brazilian quartz; accepted as standards of frequency by radio amateurs throughout the entire world. Precision ground in the world's most modern laboratory. Frequency calibrations given are at 450 cycles per minute which is accurate to within 0.05%. Specified frequency.

**TYPE LD2**
A new crystal with many features. Frequency drift is low; very low voltage for mounting in 3 degree C.; eliminates need for oven equipment. Calibration is within 0.05%. Specify frequency.

**FREQUENCY WITHIN 0.05%**

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<th>Exact MC</th>
<th>EXACT FREQUENCY</th>
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<td>259</td>
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**MIDGET STAND-OFF INSULATORS**
Small plastic porcelain units. Inexpensive and effective insulators for multi-stake rics. SPECIMEN 2, 32 high. Body P1ox with 8-22 nickel plated brass hardware.

**NET EACH**

| B6143 | 1.5 high. Body 1/2 in. 8-22 nickel plated brass. | $7.00 |
| B6144 | 1.5 high. Body 1/2 in. 8-22 nickel plated brass. | $4.00 |

**JACK TYPE**
An assembly of 2" stand-off insulator and light duty jack. For low-power use.

**NET EACH**

| B6146 | 30 inch. Insulator and jack. | $4.00 |

**FEED-THRU STAND-OFF INSULATORS**
The ideal method of bringing leads through a base, or through sub-panel. Sturdily insulated of glazed porcelain. Universally accepted for service use.

**NET EACH**

| B6110 | 1/2" high. | 1/2" dia. base. | $15.00 |
| B6111 | 1/2" high. | 1/2" dia. base. | $12.00 |

**JACK FEED-THRU**
Same units as listed above, but fitted with built-in jack on top jack fits standard oil plug.

**NET EACH**

| B6114 | 1/2" high. | 1/2" dia. base. | $18.00 |

**GR TYPE JACKS & PLUGS**
Bananata type plugs. Prongs of spring brass.

**NET EACH**

| B6343 | METAL JACK. | $4.00 |
| B6342 | METAL PLUG. | $4.00 |

**PLUG INSULATED TYPE**

| B6346 | RED | $1.00 |
| B6347 | BLACK | $1.00 |

**10 ASSD. 55c. EACH**

**TRANSMITTING CONNECTORS**

| B6146 | JACK. 1/4" high. | $12.00 |
| B6147 | PLUG. Fits above jack. 1/4" diameter with 70-32 nut. | $4.00 |

**TRIPLET**

| TRANSMISSION AMMETERS**

**MODEL 341**

<table>
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<tr>
<th>Amp.</th>
<th>5</th>
<th>10</th>
<th>15</th>
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<td>0-300</td>
<td>0-500</td>
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<td>$35.00</td>
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</table>

**MODEL K-100**
May be used in any type of keying circuits. S. A. C. type. Pure silver center contacts for clean, positive return springs, high speed keying; the keying remains clean. For 110 volt A.C.

| Test buzzer button | B7685 | $2.25 |
| TEST BUZZER BUTTON | B7687 | $1.00 |
SECTIONAL RELAY RACKS

An ingenious slotted rack that fits the requirements of all types of relay equipment. Start with base unit and add a section to it. Any type of relay rack will fit into the slotted area. Made of heavy steel, finished in black enamel, to resist corrosion and provide ample ventilation. Side sections, front panels and rear panels are all available in standard rack sizes (see the complete list below). Rack brackets can be placed on desk or shelf. No. of sections can be varied at will on top or bottom of rack. One inch panels will fit on top or bottom of rack up to 1000 lbs. Coin silver contacts.

B7942. LIST. $1.91

RETAIL RACKS & PANELS

Designed for Transmitters or Public Address Systems. Heavy iron construction assures maximum rigidity and keeps all wiring in a neat and orderly way. Coated with black enamel, it keeps the rack looking new. Available in 3, 5, 10, 15, 20 and 25 inch panels. Rack brackets can be placed on desk or shelf. Coin silver contacts.

B7961. LIST. $1.91

RELAY RACK BRACKETS


B817. LIST. $0.44

RELAY PANELS

Heavy steel, black, enamel-coated, 18 gauge panels. Slotted to fit standard relay rack. 1 1/4" deep.

B849. LIST. $1.09

TRANSMITTING EQUIPMENT

SPEED-X AUTOMATIC KEYS

A good standard key, substantial, convenient. moulded bakelite base, coin silver contacts. Arm and binding post nickel coated, chrome plated.

NO. 320 HEAVY DUTY KEY

Has 1/4 inch solid coin silver contacts. Well insulated. Black base. All other parts chrome plated.

B9762. LIST. $1.91

THE FAMOUS "MAC-KEY" LINE

DE LUXE MAC-KEY

One of the smoothest, operating Semi-Automatic keys on the market. Built by world's fastest telegrapher. Hub in each cast has beautifully finished in smooth black marble effect. Moving parts are of brass, chromium-plated, 1/8" contacts. Leaves 1/2" adjustment screws. Will make your name as smooth and rhythmical as an automatic key.

B7973. NET. $9.50

MAC STRAIGHT KEY

A well-balanced, sturdy constructed straight key for use in all types of radio or wire transmission circuits. Perfectly balanced arm with heavy base to make it an excellent key. Will not slide around and need not be fastened to cables.

B7969. NET. $7.50

MAC PRACTICE SET

A combination of H7960 and H7971. "Easy key" and mechanical "talking key" on a single base. Excellent for learning the line.

B7972. NET. $2.95

TRANSMITTING CONDENSERS

CONTINENTAL

Connect, light receiver, inductive condensers especially designed for use in Amatuer Radio. Will withstand heavy overloads. Completely wax impregnated. All condensers have binding post terminals mounted on highly efficient iron chassis insulators. Equipped with mounting ears.

B7890 1 1000 52.12... $1.23
B7891 2 1000 52.12... $1.44
B7892 3 1000 52.12... $1.65
B7893 4 1000 52.12... $1.86
B7894 5 1000 52.12... $2.07
B7895 6 1000 52.12... $2.28
B7896 7 1000 52.12... $2.49
B7897 8 1000 52.12... $2.70
B7898 9 1000 52.12... $2.91
B7899 10 1000 52.12... $3.12
B7900 1 2000 52.12... $1.54
B7901 2 2000 52.12... $1.75
B7902 3 2000 52.12... $1.96
B7903 4 2000 52.12... $2.17
B7904 5 2000 52.12... $2.38
B7905 6 2000 52.12... $2.59
B7906 7 2000 52.12... $2.80
B7907 8 2000 52.12... $3.01
B7908 9 2000 52.12... $3.22
B7909 10 2000 52.12... $3.43

TOBE MAGICIANS

Three condensers positively sealed against moisture and are suitable for Amatuer Radio. Give light weight, complete hardness under hard working conditions. Housed in metal end caps with porcelain insulator supported terminals. Ideal for ear switches. Works voltage 300 to 400 volts. D.C. or A.C.

B7987 1 1000 32.37... $1.67
B7988 2 1000 32.37... $2.45

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
THORDARSON TRANSFORMERS AND CHOKES

A popular Amateur line offering a complete line of transformers for dependable power supplies. Rated to operate up to 30000 cycles; have bias for complete self-cooled transformers. MC. volts and 500 volt primaries, ideal for many types of transformers, L to add another coil. Bias for complete self-cooled transformers. L to add another coil.

PLATE TRANSFORMERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>AC Volts</th>
<th>DC Volts</th>
<th>MA</th>
<th>Size</th>
<th>NET</th>
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<tbody>
<tr>
<td>B11157</td>
<td>T16R001</td>
<td>1000</td>
<td>750</td>
<td>50</td>
<td>7.5</td>
<td>1.00</td>
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<tr>
<td>B11158</td>
<td>T16P14</td>
<td>1000</td>
<td>750</td>
<td>50</td>
<td>7.5</td>
<td>1.00</td>
</tr>
</tbody>
</table>

NEW THORDARSON C.H.T. SERIES

An entirely new line incorporating the latest features and improvements in transformer design. These units will give continuous service at all ratings. All types are furnished in matching stranded cases. Easy mounting with sub-panel connections. Completely interconnected. Plate transformers will give from 4 to 250 watt second voltages; have 115 or 230 volt primaries. Ideal for many types of transformers, MC. volts and 500 volt primaries, ideal for many types of transformers. Bias for complete self-cooled transformers. L to add another coil.

MULTI-VOLT PLATE TRANSFORMERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>D.C. Volts</th>
<th>Current</th>
<th>List</th>
<th>NET</th>
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</thead>
<tbody>
<tr>
<td>B11157</td>
<td>T16R001</td>
<td>1000</td>
<td>750</td>
<td>50</td>
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<tr>
<td>B11158</td>
<td>T16P14</td>
<td>1000</td>
<td>750</td>
<td>50</td>
<td>7.5</td>
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MULTI-VOLT POWER TRANSFORMERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>A.C. Volts</th>
<th>Current</th>
<th>List</th>
<th>NET</th>
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<tbody>
<tr>
<td>B11157</td>
<td>T16R001</td>
<td>1000</td>
<td>750</td>
<td>50</td>
<td>7.5</td>
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<tr>
<td>B11158</td>
<td>T16P14</td>
<td>1000</td>
<td>750</td>
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<td>7.5</td>
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MULTI-VOLT FILAMENT TRANSFORMERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>Volts</th>
<th>Amps</th>
<th>Insulation</th>
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<tbody>
<tr>
<td>B11157</td>
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<td>750</td>
<td>50</td>
<td>7.5</td>
<td>1.00</td>
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<tr>
<td>B11158</td>
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C. H. T. INPUT CHOKES

<table>
<thead>
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<th>Cat. No.</th>
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<tr>
<td>B11157</td>
<td>T16R001</td>
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<td>750</td>
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<tr>
<td>B11158</td>
<td>T16P14</td>
<td>1000</td>
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MULTI-MATCH POWER TRANSFORMERS

<table>
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<th>Cat. No.</th>
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MULTI-MATCH DRIVERS TRANSFORMERS

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<tr>
<td>B11158</td>
<td>T16P14</td>
<td>1000</td>
<td>750</td>
<td>50</td>
<td>7.5</td>
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</tbody>
</table>

THORDARSON AMATEUR SPECIALS

A complete new line of high quality transmitter components. Interim model line in amateur communication work. These transformers were especially developed for each transmitter to meet the needs and budget of the average amateur. They embody such features as: complete shielding; tapped primaries; high tan delta; certain terminals; complete self-cooled construction.

PLATE TRANSFORMERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>D.C. Volts</th>
<th>Current</th>
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<th>NET</th>
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<tr>
<td>B11158</td>
<td>T16P14</td>
<td>1000</td>
<td>750</td>
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FILAMENT TRANSFORMERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
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<th>Current</th>
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<th>NET</th>
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<tr>
<td>B11158</td>
<td>T16P14</td>
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<td>750</td>
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NEW GRID MODULATION TRANSFORMERS

<table>
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<th>Current</th>
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<td>T16P14</td>
<td>1000</td>
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</tbody>
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THORDARSON TRANSMITTER MANUAL

B11206. A 32 page book completely revised, and cramned full of information on all types of amateur transmitters. Contains schematic diagrams, parts lists, service Manual, power supply circuits and data, etc. As a reference book it will be a useful asset to any Amateur Station. 9c
**UTAH TRANSMITTER COMPONENTS**

A quality line of transmitter power supply components. Utah transmitters and chokes are priced right. Power tubes are fully insulated. All A.C. & C.T. offers the greatest possible efficiency and service; built to last even under the greatest possibility of continuous operation at full load. Every detail of construction has been planned to give greater value, compact size, ease of mounting, and long trouble-free life. Current ratings, type and location of insulation, etc. Only highest quality materials are used throughout.

**PLATE TRANSFORMERS**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>AC Volts</th>
<th>DC Volts</th>
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**SWINGING CHOICES**

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<th>Type</th>
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<th>M.A.</th>
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<tr>
<td>B11854</td>
<td>4000</td>
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<td>B11854</td>
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<td>B11857</td>
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**FILTER CHOICES**

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<th>Ohms</th>
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**FILAMENT TRANSFORMERS**

<table>
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<tr>
<th>Cat. No.</th>
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<td>B11861</td>
<td>1831</td>
<td>5</td>
<td>B.C.T.</td>
<td>2500</td>
</tr>
<tr>
<td>B11862</td>
<td>1832</td>
<td>5</td>
<td>B.C.T.</td>
<td>2500</td>
</tr>
<tr>
<td>B11864</td>
<td>2200</td>
<td>3</td>
<td>B.C.T.</td>
<td>2500</td>
</tr>
</tbody>
</table>

**KENNON 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 under heavy load use; ratings are accurate and dependable. No "shrink" at low current. 2% at full load.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>AC Volts</th>
<th>DC Volts</th>
<th>M.A.</th>
<th>NET</th>
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<tr>
<td>B11860</td>
<td>1826</td>
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<td>B.C.T.</td>
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<td>5</td>
<td>B.C.T.</td>
<td>2500</td>
<td>3.23</td>
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<tr>
<td>B11862</td>
<td>1832</td>
<td>5</td>
<td>B.C.T.</td>
<td>2500</td>
<td>3.23</td>
</tr>
<tr>
<td>B11864</td>
<td>2200</td>
<td>3</td>
<td>B.C.T.</td>
<td>2500</td>
<td>3.23</td>
</tr>
</tbody>
</table>

**NEW KNIGHT OIL-IMPREGNATED TRANSMITTER 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. Terminal are thermostat controlled; heavy mounting feet. Slightly insulated leads. Will give long, dependable service. Write, 5 lbs. B7999. YOUR NET PRICE $1.95

**SANGAMO MICA TRANSMITTING CONDENSERS**

Accepted by amateurs everywhere for all types of transmitter and receiver circuits. Ideal for use as bypass condensers in R.F. circuits, coupling condensers, etc. Insulated leads. Dependable service. Write, 5 lbs. B7999. YOUR NET PRICE $1.95

**THORDARSON HIGH POWER TRANSFORMER**

Ideally suited for use in low-power amateur transmitters. Primarily, Primaries. 110 V. A.C. or D.C., 7.5 V. at 3A.C.T.; 5 V. at 3A.C.T. 2.5 Volts at 5 A.C.T. Uniformity of design, leading terminals on secondary. Insulated leads on primary. 5 lbs. B7999. YOUR NET PRICE $2.45

**KNIGHT FILAMENT TRANSFORMERS**

<table>
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<tr>
<th>No.</th>
<th>Type</th>
<th>Volts</th>
<th>M.A.</th>
<th>C.T.</th>
<th>NET</th>
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<tr>
<td>B11101</td>
<td>10</td>
<td>10</td>
<td>1000</td>
<td>60</td>
<td>1.35</td>
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<tr>
<td>B11102</td>
<td>7.5</td>
<td>10</td>
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<td>1.55</td>
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**KNIGHT PLATE TRANSFORMERS**

<table>
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<th>C.T.</th>
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<td>1500</td>
<td>1000</td>
<td>1000</td>
<td>60</td>
<td>6.20</td>
</tr>
</tbody>
</table>

**GENERAL ELECTRIC PYRAMID TRANSMITTING CAPACITORS**

Attractive, durable transmitting condensers of the best quality. These condensers will give exceptional service and long life. Mica and treated with Pyranol, a non-inflammable, non-explosive, non-conductive material. Especially sealed, with porcelain lead-out, bushings, to which the components are supplied. Write, 5 lbs. B7999. YOUR NET PRICE $1.30
### LATEST "Build Your Own" KITS

The latest series of Knight "Build-Your-Own" KITS features a wide range of easy-to-build receiver kits designed to appeal to both beginners and the advanced experimenter. Each kit is composed of high quality parts, based on modern easy-to-wire circuits.

**BATTERY-OPERATED KIT**

The lowest priced all-wave kit on the market. Compact, yet sensitive and simple to build. A tube battery operated receiver, which includes in police signals, amateurs, broadcast stations, and lots of distant stations. All terminals are colored for easy wiring. Kit contains necessary parts, hardware, instructions, A.C. Power Supply and inadequate single-signal action.

**A.C. POWER SUPPLY**

A.C. power supply and adequate single-signal action. "B" batteries. Complete kit consists of all necessary parts, hardware, instructions, A.C. Power Supply and inadequate single-signal action.

**BATTERIES**

A wide range of batteries for use with the latest series of Knight "Build-Your-Own" KITS. Uses all types of batteries.

---

**K N I G H T T W O T H R E E D X - E R K I T**

One of the most popular low-priced kits for the shortwave beginner. Designed and recommended by leading radio magazines as one of the most efficient of the beginner's receivers. Uses two type-21 tubes in a regenerative circuit with one audio amplifier.

**BATTERIES**

A.C. power supply and adequate single-signal action. "B" batteries. Complete kit consists of all necessary parts, hardware, instructions, A.C. Power Supply and inadequate single-signal action.

**ELECTRONIC P I N N E D D I A M O N D S**

Electronic tuned diamond in circuit with one audio amplifier.

---

**K N I G H T M E T A L T H R E E D X - E R K I T**

An extremely practical, easy-to-build receiver designed for shortwave and broadcast listening. Uses one type-21 tube. Kit contains all necessary parts, hardware, instructions, A.C. Power Supply, and adequate single-signal action.

**BATTERIES**

A.C. power supply and adequate single-signal action. "B" batteries. Complete kit consists of all necessary parts, hardware, instructions, A.C. Power Supply, and adequate single-signal action.

**ELECTRONIC P I N N E D D I A M O N D S**

Electronic tuned diamond in circuit with one audio amplifier.

---

**K N I G H T S E V E N T H T W O T H R E E D X - E R K I T**

One of the most popular low-priced kits for the shortwave beginner. Designed and recommended by leading radio magazines as one of the most efficient of the beginner's receivers. Uses two type-21 tubes in a regenerative circuit with one audio amplifier.

**BATTERIES**

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Electronic tuned diamond in circuit with one audio amplifier.

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**K N I G H T E I G H T H T W R E D X - E R K I T**

An extremely practical, easy-to-build receiver designed for shortwave and broadcast listening. Uses one type-21 tube. Kit contains all necessary parts, hardware, instructions, A.C. Power Supply, and adequate single-signal action.

**BATTERIES**

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**ELECTRONIC P I N N E D D I A M O N D S**

Electronic tuned diamond in circuit with one audio amplifier.

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**K N I G H T E L E V E N T H T W R E D X - E R K I T**

One of the most popular low-priced kits for the shortwave beginner. Designed and recommended by leading radio magazines as one of the most efficient of the beginner's receivers. Uses two type-21 tubes in a regenerative circuit with one audio amplifier.

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**ELECTRONIC P I N N E D D I A M O N D S**

Electronic tuned diamond in circuit with one audio amplifier.
TRANSCIEVER & SHORT WAVE KITS

POPULAR BROWNING 35 ALL-WAVE RADIO KIT

An easy-to-construct All-Wave Kit for discriminating N.W. fans. Includes the complete assembled, wired and tested Tuning Unit. Tuned 13 to 18 meters continuously in 3 Tuning Bands. Send for FREE CIRCULAR showing parts list and wiring diagram.

COMPLETE BROWNING 35 KIT

Contains all necessary parts for the complete receiver: tubes, speaker, and cabinet. Includes: Crystal Kit, Transformer, Gaskets, etc. For the complete receiver: $39.90

TUBE 35 TUNER UNIT

Completely assembled, wired, tested, and aligned All-Wave tuner: tube sockets, plate, dial, aerial, power transformer, controls, and detailed instruction book. $41.65

MEISSNER COMMUNICATIONS KIT

S 4 TUBE SUPER

5 Wave Bands - 1.5 to 5555 MHz Coverage

A Complete Tuned and Balanced Tuning Unit. Especially designed for the amateur and business man. For the complete receiver: $11.60

KNIGHT 5 METER TRANSCEIVER

TWO-WAY 56-60 MC AMATEUR PHONE KIT

Popular Amateur 5 Meter Transceiver designed for the experimenter seeking an easy to build and operate, ideal equipment for handling phone work. The complete kit contains all necessary parts and includes instructions. Send for FREE CIRCULAR showing parts list and wiring diagram.

COMPLETE BROWNING 35 KIT

YOUR NET PRICE...

TUBE AND BATTERIES

Contains: 1-Beam 19 tube, 2-103 portable B.B. and 2-Knight 807-6 coils. Knight holds batteries, transmitter in top. $5.88

MEISSNER "CUSTOM" ALL-WAVE 12 TUBE KIT

5 Wave Bands - 7.5 to 2140 MHz Coverage

A Complete Tuned and Balanced Tuning Unit. Includes: Crystal Kit, Transformer, Gaskets, etc. For the complete receiver: $11.60

COMPLETE ESSENTIAL TUNING KIT

Kit contains a completely wired and balanced tuning unit: wave-change switch; variable condenser; tube sockets for tuning circuit; calibrated 6 Wave-band-type aerial dial; noise filter, I.F. and O.P.T.; transformers; Iron-Rod band expansion I.F. and O.P.T. transformers; R.C.; diagrams and instructions. $27.93

MEISSNER "BUILD-YOUR-OWN" BOOK

B7781. Contains 114 pages check fully of instructions: Kite assembly, schematic drawings, portraits of complete equipment, photographs of equipment, etc. A book that should be in every experimenter's library. $50.00
POPULAR MECHANICS’ BUILD-YOUR-OWN KITS

HURRICANE RECEIVER
No. R-234
A handy portable receiver that can be installed in broadcast stations as far as 500 miles away. The receiver can be homemade for a cost of $55.00, including batteries. A complete kit will effectively eliminate noise and static, and will be available in all types of receivers. The kit includes: 1-65235. 1250 3.6 volt battery, 1-55 6 volt battery, 1-2 400$-$456$ IC F.4, 1-647, 1-651, 1-657 RCA metal tubes. Black crinkle-finished base measures 3/8”x2”x2”, and has all holes cut and drilled.

MODEL XC
B918. Same as above, except has 6 volts 3.6 volt tubes, at 1.5 amps. Your PRICE EACH... $425

KnighT CRYSTAL SET KIT
A new and modern crystal set. Only the best quality parts are used. A complete kit will be available for $31.00, including batteries. A complete kit will contain all necessary parts, including a new crystal set. The kit includes: 1-65235. 1250 3.6 volt battery, 1-55 6 volt battery, 1-2 400$-$456$ IC F.4, 1-647, 1-651, 1-657 RCA metal tubes. Black crinkle-finished base measures 3/8”x2”x2”, and has all holes cut and drilled.

B986. NET... $860
B986. Headset, NET... $978
B3465. Aerial Kit. You can obtain the best results with this aerial. NE... $132

5 METER TELESCOPING TRANSCEIVER ANTENNAS
Vertical type antennas for ultra h. use. Telepositioning is a handy aluminum tube, held with a cord. For mobile and portable use, B918. 3/8 wave 3 section. Less base. For direct mounting, Extends to 33”. NET... $1.10
B918. 3/8 wave 3 section. Base. Length extended, 33”; extends to 33”. NET... $94c
B918. 5/8 wave 3 section. Base. Length extended, 33”; extends to 33”. NET... $1.12
B918. 5/8 wave 3 section. With extender to 33”. NET... $1.32

NOISE SILENCER KIT
B987. Complete, wired, assembled and tested. De Luxe Noise Silencer. NET... $10.15

STANDARD MODEL KIT
B987. Same as the De Luxe kit but without the extra IF stage: designed for use with sets having only one IF stage. Includes: 1-647, 1-651, and 1-657 RCA metal tubes and filament winding for both stages. Includes: 6.3 volt battery and has all holes cut and drilled.

B987. Deluxe Kit. NET... $7.95

CATHODE RAY TUNING UNIT
An inexpensive visual tuning indicator for use in the new Electro-Ray TV kit. It is quickly and easily installed in any Broadcast or Short Wave receiver using A.W.W. This unit is not equipped with a visual tuning device. Includes: 6.5 or 8 volts for filament, the assembly with brackets, colored-cased cable and instructions, less tube.

B197. NET... $73c
B481. Raythen 653 cathode Ray Tube. For receivers using 2.5 volt tubes. 78c
B490. Raythen 253 cathode Ray Tube. For receivers using 2.5 volt tubes. 78c

WORLD TIME CHART AND SHORE STATION LIST
Indicates time in 12 sections, including 111 Short Wave stations. Available with AM and FM listener. B9235. NET... 10c

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 operational circuits. Careful design and ease of assembly.

B1758. 2 tube D.E.R. Short Wave Battery Set. 89196...
B1759. 3 tube D.E.R. Short Wave Battery Set. 89296...
B1760. 4 tube A.C. Broadcast Set. 89396...
B1761. 6 tube A.C. Broadcast Set. 89496...
B1762. 6 METAL TUBE SUPER-GAINER. 89596...
B1763. 6 tube A.C. Broadcast Super. 89696...
B1764. 5 tube W.B. A.C. A.C. Super. 89796...
B1765. 5 tube W.B. A.C. Broadcast Super. 89896...
B1766. 6 tube A.C. Broadcast Battery Super. 89996...
B1767. 6 tube A.C. Broadcast Super. 90096...
B1768. 6 tube W.B. A.C. Broadcast Super. 90196...
B1771. 5 tube W.B. A.C. Broadcast Super. 90296...
B1772. 6 tube W.B. A.C. Broadcast Super. 90396...
B1773. 6 tube W.B. A.C. Broadcast Super. 90496...
B1774. 5 tube W.B. A.C. Broadcast Super. 90596...
B1775. 6 tube W.B. A.C. Broadcast Super. 90696...
B1776. 6 tube W.B. A.C. Broadcast Super. 90796...
B1777. 6 tube W.B. A.C. Broadcast Super. 90896...

5 METER HANDSET
Compact, lightweight combination microphone and microphone transmitter. Rugged and fully grained against rough handling. Highly polished molded label case contains the special high output steel button 200 ohm microphone with highly efficient, sealed, acoustical receiver. Complete with 6 ft. 4 conductor cord and leads for microphone and receiver. Especially designed for use with high-frequency transmitters.

B928. With 2000 ohm receiver. YOUR PRICE EACH... $5.88

RCA BEAT OSCILLATOR
Will enable you to listen to radio signals or tune in weak signals on any broadcast or S.W. receiver. Requires 1-50, 6 volt, B battery. 805A. Price... $7.50

LISTENING MONITOR
For amateur station monitoring, checking, or quality of emitted signals or tone in weak signals on any broadcast or S.W. receiver. Requires 1-50, 6 volt, B battery. Price... $7.50

B913. Your Price... $415

QUALITY KITS AT ATTRACTIVE PRICES
NEW COILS FOR ALL PURPOSES

LATEST TYPE
FERROCART IRON-CORE I.F. TRANSFORMERS

A new development in IF transformers which provides improved performance. The use is only powdered iron core, with each iron particle insulated from others, resulting in a much higher "Q" and was therefore possible. Core and winding losses are reduced to a minimum. Gain and selectivity are greatly increased in all air-core types. Ideal for use as step-tuned transformers. Reducing 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: iron-core transformers. Cans measure 1 1/4" inner, 3 1/4" high. Instructions included.

Input Interstage Output
Freq. B5800 B5804 B5808
175 KC. B5802 B5806 B5810
500 KC. B5803 B5807 B5811
NET EACH $1.18

HIGH GAIN THREE PH I.F. TRANSFORMERS

New type IF transformers with high gain and adjustable output impedance on primary and secondary. Exceptionally high gain. Best results, only one should be used in any receiver. Double-tuned transformers. Cans measure 1 1/4" inner, 3 1/8" high. Instruction included.

Input Interstage Output
456 KC. B5814 B5815 $4.70
3000 KC. B5816 B5817 $2.35

MATCHED-PAIR CRYSTAL FILTER I.F. TRANSFORMERS

For use in low-tuned frequency-modulated crystal filter circuits in communication receivers. Supplied in matched pairs designed to provide optimum gain. Have 1 1/4" mounting centers.

Input Interstage Output
Freq. B5814 456 KC. PER B5815 $4.70
MICA TUNED TYPE
456 KC. B5816 B5817 $2.35

BEAT FREQUENCY OSCILLATORS

Especially designed units for use in improving beat-frequency oscillation, in all-wave or short-wave sets. No installation required. Will provide "note" tuning for locating weak stations, or for code receiving. Each unit has color-coded leads and instructions. Size, 1/2" square. 1/2W. With pitch control knob in top. Mica-insulated trimmers.

Input Interstage Output
Freq. B5818 456 KC. B5819 3000 KC. EACH...
456 KC. B5820 B5821 $1.03
3000 KC. B5822 B5823 $0.38

PENTAGRID OSCILLATORS

A new development in IF transformers, especially designed for use with Pentagrid tubes. Easy to mount: bakelite base with lug. Supplied in pairs with 300 mfd. THF type variable condenser.

Input Interstage Output
3000 KC. B5822 B5823 $0.38

SHIELDED TYPE

Input Interstage Output
Freq. B5822 175 KC. Use 300 mfd. padder.
B5823 456 KC. Use 300 mfd. padder.
B5824 3000 KC. Use 300 mfd. padder.

PRESELECTOR

A high-gain, stand-alone pre-selector unit for IF section of any receiver. Tuned to 11 MHz. Includes filters and twin-tuned coils. Mica-tuned; color-coded leads. Each unit supplied with tuning diagram.

Input Interstage Output
Freq. B5800 175 KC. B5809 456 KC.
500 KC. B5803 456 KC.
3000 KC. B5804 4500 KC.

Your Price $73c

NOISE SILENCER I.F. TRANSFORMERS

A close-coupled IF transformer, shielded with powder iron cores for secondary, especially designed for use in the popular medium and short wave circuits. Mica-tuned; color-coded leads. Each unit supplied with tuning diagram.

Input Interstage Output
Freq. B5690 175 KC. B5695 456 KC.
500 KC. B5693 456 KC.
3000 KC. B5694 4500 KC.

Your Price $88c

MIDGET SOLENOID COILS

Extremely efficient medium solenoid type coils. wound enamelled wire with special tubing. Ideal for replacements in medium wave sets. Primaries are adjustable. Shielded coils. Isolated and ready for use with 370 mfd. condenser. $4.00 to $10.00.

Your Price $29c

NEW MILLER COILS

VARIABLE SELECTIVITY I.F. TRANSFORMERS

Especially designed to meet the requirements for a transformer capable of providing a high degree of selectivity for DX, and a broad band, high gain industry receiver. Simple electrical method for varying selectivity eliminates mechanical movements. Available with iron or air cores.

IRON CORE

Input Interstage Output
Freq. B5680. 175 KC. B5681. 456 KC. EACH...
B5682. 175 KC. B5683. 456 KC. EACH...

IRON CORE R.F. COILS

Small size R.F. coils especially desirable for use in small receivers. Ideal for replacements or for use in medium-wave receivers. Guaranteed to be usable in any receiver with a high gain transformer with small physical size required. In addition, shielded type, available in 1/4" diameter and 2 1/4" high. With use with 100 mfd. tuning condenser. Ideal for R.F. coil or antenna coil of various frequency ranges.

Input Interstage Output

Your Price $88c

HIGH GAIN T.R.F. COILS

Bank wound with Litz wire, permitting unusual sensitivity and unit may be placed over entire 20 meter band. Sound shielded to 3/4" in. high, 1 1/4" in diameter. Use with direct coupling or transformer. Covers 160 to 540 kc. Low impedance type.

Input Interstage Output
Freq. B5687. 4 TUBE KIT. Contains 1 Ant. Cock and 1 R.F. Cock. EACH...
B5688. 4 TUBE KIT. Contains 1 Ant. Cock and 2 R.F. Cocks. EACH...

(All kits include schematic diagrams.)

AMT. R.F. COILS

High-gain fully shielded coils for use with aeronautic tube circuits. High impedance primaries. Latest design for high gain primary at 90 kc. For 370 mfd. condenser. With coupling to antenna Cock. Tuned 549 to 1500 kc.

Input Interstage Output

Your Price $55c

STANDARD I.F. TRANSFORMERS

Standard high-quality I.F. transformers of superior design. Ideal for replacements and new set builds. Selective with optional type noise silencer unit from top of can. RMA color-coded leads, type, transformer, 1% square, 1 1/2" square and 3/4" high.

Input Interstage Output
Freq. 175 KC. B6535 B6538 B6541 B6542
500 KC. B6537 B6539 B6543
3000 KC. B6545

Your Price $73c

CENTER-TAPPED OUTPUTS

Input Interstage Output
Freq. B5783 B5784. 450 KC. EACH...

COILS, FORMS, COIL KITS

- SKI-BAND COIL ASSEMBLY
  - Enables you to build a new antenna, suitable receiver. Tuning from 55 to 330 meters, 1/2 to 3/4 meter, or 1/2 to 1 meter, with 1 or 2 bands. Kit contains: 2 batched coils, 2 batched and wound wire, and 2 coil mounters. Assembled kit costs Coils per meter. Assembled kit costs...
  - $354

- TWIN BAND COILS
  - Efficient Short-Wave and Broadcast coils for the home and experimenters. Shipped free with all radio coils. Use with 450-455 Kf. I.P. systems. For home use only....

- BROADCAST AND POLICE
  - Efficient coils for both Broadcast and Police bands. Cover 50 coil meters and 100-160 meters...

- REPLACEMENT PRIMARY WINDBINDS
  - Replacement high-quality 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.

- MEISSNER COIL DOPE
  - This high-quality RF transformer assures you permanence, efficiency, and frequency. Quick drying...

- REPLACEMENT MAJESTIC I.F. TRANSFORMER COILS
  - Will fit in original Majestic shield cans with minor modifying. Well-centering, low-impedance, trouble-free, a rugged coil, supplied in matched sets.

- COIL ASSEMBLIES IN CANS
  - Fits in Majestic shield cans....

- THREE CIRCUIT TUNERS
  - Has primary, secondary, and variable terrier windings. Low coil to use, 300 meters. For use with 100-160 meters, 30 meters, or 100-50 meters...

- BAND-SWITCHING COILS
  - Covers from 16 to 550 meters. Two or more units are easy to handle....

- SUPERBET OSCILLATOR COILS
  - Superbet oscillator coil for use with any type of tuner. For 450 Kf. I.P. With diagrams...

- COMPLETE SUPERBET KIT
  - 1 each of above units ganged together, ready for use. With knobs, dial plate and dial. For...

- ALLIED RADIO CORPORATION, 833 W. JACOBSON BLVD., CHICAGO, ILL., 60613
HIGH GRADE BAKELITE KNOBS

2 TONE KNOBS

ROUND TYPE

Two tone effect and well proportioned. Suitable for most receiver designs.

B6208. 1 1/4" diam. $6.00
B6207. 1 1/4" diam. 10 lots 55c. EACH. $6.00

OCTAGON TYPE

Modern octagon-shaped knobs in pleasing two-tone walnut finish. All types。

B6209. 1 1/4" diam. $6.00
B62011. 1 1/4" diam. $6.00
B6212. 1 1/4" diam. 10 lots 85c. EACH. $6.00

MODERNISTIC TYPES

B6202. 1 1/4" across knurling. 3/8" high. 1/2" hole. Set screw in side.
B6203. 1 1/4" Dia. 3/4" hole. Set Screw in side. Walnut finish. Set screw in side. 10 lots 85c. EACH. $6.00

NEW OCTAGON KNOB


B6214. NET EACH. $4.00

PUSH-ON KNOB

Attractive bakelite knob for 1/4" shaft. Walnut finish. Excellent for volume controls and other units.

B6217. Lot of 10. 40c. YOUR PRICE EACH. $5.00

WALNUT AND MAPLE KNOBS

Genuine wood knobs, beautifully made and finished. For 1/4" shaft. Brass bushing inset: side set screw.

B3749. Walnut. 1 1/4". 8c
B3766. Maple. 1 1/2". 8c
B3767. Walnut. 1 1/2". 8c

YOUR PRICE PER 10. 70c

DRUM TYPE DIAL

A durable and attractive dial always popular with listeners and experimenters.

B4186. 0-10.0. Clockwise. 98c

KURZ KASCH VERNIER DIAL

A perfectly smooth and positive-acting drum dial with transistorized scale. Rated in 2% to 1.

B2600. Walnut. 1 1/4". 8c
B2602. Maple. 1 1/2". 8c

YOUR PRICE EACH. 9c

CONTROL CABLE AND HOUSING

The same cable and housings used by leading manufacturers. Standard cable on request.

B1840. Type H. Fits Motorola. $6.00
B1841. Type H. Fits Motorola. $6.00

Net each. 6c

GEAR FITTINGS

Special fittings for all popular receivers.

B1844. Type E. $1.25
B1845. Type E. $1.25

Net each. 2c

ASSORTED FITTINGS & GEARS

Handy assortment of cable fittings and gears. Suitable for Philco, Motorola, Brown, and others.

B1849. List. 15c. Net. $7.84
DIALS • PILOT LIGHTS • DIAM CABLES

GENUINE EVERYDAY MAZDA PILOT LIGHT BULBS

Genuine Mazda pilot light bulbs. Famous for small, cool and dependable long life. These lamps are made in many colors to match the scheme of your equipment. Excellent for all pilot lamp requirements. 100% rust and corrosion-proof. Suitable for all standard radio sets and devices. 10 ct.

<table>
<thead>
<tr>
<th>No.</th>
<th>Volts</th>
<th>Amps</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1234</td>
<td>1.5</td>
<td>.06</td>
<td>$.046</td>
</tr>
<tr>
<td>B1235</td>
<td>3</td>
<td>.065</td>
<td>$.065</td>
</tr>
<tr>
<td>B1236</td>
<td>6</td>
<td>.065</td>
<td>$.065</td>
</tr>
<tr>
<td>B1237</td>
<td>9</td>
<td>.065</td>
<td>$.065</td>
</tr>
<tr>
<td>B1238</td>
<td>12</td>
<td>.065</td>
<td>$.065</td>
</tr>
</tbody>
</table>

*Indicates miniature bayonet base.
*Indicates standard round bulb.

SPECIAL BULB FOR RCA-VICTOR R32

6V. A 115 volt bulb with interchangeable bases special for RCA-Victor R32, 10 watt.

B6440. Net EACH... 20c

PILOT LIGHT SOCKETS

Pilot light sockets for all radio requirements. High quality construction. Carefully assembled to prevent rust and condensation. Single hole mounting. Serve as a definite means of knowing when your equipment is "on." Complete with Jewet.

B838. RED...
B839. GREEN...
B8390. AMBER... Net EACH...

JEWELLED PILOT LIGHT BRACKETS

Visual indicator for use on power amplifiers, relay racks, etc. Socket mounted on brass fixture, keeps jewel bulbs out of sight. Single hole mounting. Available in red, blue, green, amber, and clear.

B8834. RED...
B8835. BLUE...
B8836. GREEN...
B8837. AMBER...

JEWELS FOR PILOT LIGHTS


B8384. RED...
B8835. BLUE...
B8836. GREEN...
B8837. AMBER...

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 bottle of dial liquid and dial brush.

B2996. Net PER KIT... 29c

PHOSPHOR BRONZE DIAL CABLE

The 34 Strand Cable is made up of 36 individual cables each consisting of 14 strands of the finest grade of phosphor bronze wire. A shield of fine copper wire is used to protect the wires. The 16 Braided Cable is made up of 16 strands of fine bronze wire woven together. Minimum length.

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Price</th>
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<tbody>
<tr>
<td>B6070</td>
<td>5 ft.</td>
<td>$0.20</td>
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<tr>
<td>B6071</td>
<td>10 ft.</td>
<td>$0.40</td>
</tr>
<tr>
<td>B6072</td>
<td>15 ft.</td>
<td>$0.60</td>
</tr>
<tr>
<td>B6073</td>
<td>20 ft.</td>
<td>$0.80</td>
</tr>
</tbody>
</table>

EXACT DUPLICATE DRIVE CABLE-BANDS-BELTS

Exact duplicates in size, material and design as the originals. We can supply any type of cable, belt, or band to meet your requirements. Stock No. Model | Price |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>B6085... 30... 15c</td>
<td></td>
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</tr>
<tr>
<td>B6086... 35... 25c</td>
<td></td>
<td></td>
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<tr>
<td>B6087... 40... 35c</td>
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<tr>
<td>B6088... 45... 50c</td>
<td></td>
<td></td>
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<tr>
<td>B6089... 50... .75c</td>
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BRAIDED SILK DIAL CORD

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<tr>
<td>B6050</td>
<td>2 ft.</td>
<td>.50c</td>
</tr>
<tr>
<td>B6051</td>
<td>5 ft.</td>
<td>.80c</td>
</tr>
<tr>
<td>B6052</td>
<td>10 ft.</td>
<td>1.25c</td>
</tr>
</tbody>
</table>

VALUES IN MODERN DIALS

3 1/4 INCH MODERNISTIC DIAL

An attractive modernistic square type brass aneroid dial with handsome bronze escutcheon. Positive non-slip friction drive. For 5" shaft, but supplied with 6" to 8" reducer for use with longer shafts. For 6" shaft, supplied with 7" to 9" reducer. Tuning ratio of 10-1 assures sharp easy tuning. Universal scale can be used with any clockwise or counter-clockwise condenser. Separate with two pilot light brackets. Shown, wt. 1 lb.

B4180. Net EACH...

$1.05

5 INCH AIRPLANE DIAL

A high quality transparent dial with universal scale. Positive friction drive, will not slip. Tuning ratio 9 to 1. Smooth easy tuning. Universal scale can be used with any clockwise or counter-clockwise condenser. Dual pointers travel with 9 to 1 or 1 to 9 tuning. Has two pilot light brackets and bronze escutcheon plate. For 5\% shaft. Equipped with pilot bulbs for use on condensers having 5\% shaft.

B4178. EACH...

$1.47

4 INCH AIRPLANE DIAL

A high quality transparent dial with universal scale. Positive friction drive, will not slip. Tuning ratio 9 to 1. Smooth easy tuning. Universal scale can be used with any clockwise or counter-clockwise condenser. Dual pointers travel with 9 to 1 or 1 to 9 tuning. Has two pilot light brackets and bronze escutcheon plate. For 5\% shaft. Equipped with pilot bulbs for use on condensers having 5\% shaft.

B4181. Your Price...

$1.10

CROWN DIALEUX Micromaster

A brand new MICROMASTER dial combining extremely beautiful appearance with exceptionally fine tuning. Glass protected "pearl" and brown enamel scale is calibrated 0.100. Two pilot light brackets have slow-tuning ratio of 100 to 1 and fast ratio of 1000 to 1. Requires dual bulb. Fits 4" shaft.

B3725. 0-100 CLOCKS.
B3726. 100-0 CLOCKS.
B3720. LOCKDOWN.
B3731. LOCKET.
B3730. LOCKET CLOCKS.

NET EACH...

$5.95

2 SPEED PLANETARY DRIVE

To be used as auxiliary speed reducer on many condensers. Mounts on condenser, back of panel, or on knob shaft of dial. Slow ratio 1 to 1, and fast ratio 1 to 1. Requires dual bulb. Fits 4" shaft.

B3766. Your Price...

$8.85

KNOBS FOR PLANETARY DRIVES

For drive unit listed at left. Large knob fits 4" high speed shaft; small one fits 1/4" slow speed shaft.

B3757. Walnut.
B3758. Black.

PER PAIR...

$1.25

GIANT 6 1/2 INCH BANDSPREAD DIAL

A beautiful 6 1/2" bandspread dial. New Direct-Drive system gives you a speed of 15 to 1. Perfect for all bandspread drive, provides handbrake equipment. 1 1/4" feet over 100 dial. No. 890. "Trade-in" offer. These sets can then be sold at handsome profit. Complete with beautiful bronze escutcheon, mounting brackets and adapter for 3/4" shaft. Shown wt. 2 lb.

B4190. List, $6.75.

$3.97

3 1/2 INCH AIRPLANE DIAL

A positive-action smooth-tuning dial. Dual transparent universal scale is protected by a clear glass bezel. Tuning ratio 9 to 1. Pointer travel with condenser. Supplied with pilot light brackets and handsome bronze finished escutcheon. Fits 5\% inch condenser shaft. Equipped with pilot bulbs for use on condensers having 5\% shaft.

B4184. Your Price...

$0.65

CROWN MICROMASTER BANDSPREAD DIAL

A beautiful modern dial, All-Wave or Short-Wave Receivers. Two-speed planetary drive provides a speed of 10 to 1 and a fast speed of 100 to 1. Top speed of 6000 rev. per minute. 1 lb. Fits 6 3/4" shaft. Complete with escutcheon and single pilot light socket. Fits 5\% inch shaft.

B3734. No. 1 Upper.
B3735. No. 4 Upper.
B3736. No. 8 Upper.

Your Price EACH...

$3.67

ALLIED RADIO CORPORATION, 833 W. JACKSON BLVD., CHICAGO, ILL.
EBY PHOTO CELL EQUIPMENT

PHOTO CELL
A new type of photo cell designed for long life and maximum sensitivity. Ideal for light and infra-red controlling circuits, and for several experimental periods, it is shock-proof and moisture-proof. Unaffected by continuous exposure to light of strong intensity, it will operate on voltages as high as 250 volts without damage. Resmow current covers visual spectrum, and extends far into infra-red. Measures 1¼ dia., 6/8 high. Mounts in standard light socket. Phone for prices. B4032, NET...

$3.18

SUSITIVE RELAYS
Designed for direct photo or picture relay use or half-wave rectifiers. With vernier marker...

Photomicro... 100 m... 100 m... 100 m...

$9.55

PHOTO CELL AND RELAY
An efficient light-controlled instrument in many valuable uses. Contains a sensitive box and cell and air-relay, and can be used to control door opening mechanisms, for actuating and counting purposes on the production line for the cost of a large order. Size 4⅜ x 5⅜. Unit is Photosensitive. B125, B126, B127. With bulb. NET...

$14.70

LIGHT SOURCE FOR PHOTO CELL
B1231. A really built-in light source for use with the above or similar photo relay units. Recommended for standard 60 volt C.C. auto bulb. Light beam is projected through a lens with high optical lens. Size 2⅛ square, 1½ high. With bulb. EACH...

$5.88

PHOTO ELECTRIC CELLS

CETRON CE-3
B135. A high quality, photoelectric cell suitable for a variety of electronic applications. May be used to replace W.K. type for scintillating work. Connections are made by means of flexible leads with phone tips. Cathode plate is 1½ sq. in. Requires an average ionizing voltage of 150 Volts.

$5.40

CE-1 CELL
B136. For replacement in such moving-picture equipment as Armatron, Photo-sound, Photo, etc. Sizes are 1/2, 1, 1-1/4, 2, 3, 4, and 6 inches. May be used with other applications. Sizes are 1-1/4, 2, 3, 4, and 6 inches. May be used with other applications.

$5.40

DE LUXE SIZE
Similar in design and markings to above but larger—2½ x 3½ inches. Especially designed for transmission. WHITE FOR COMPLETED PLATE LIST.

$6.00

ETCHED METAL NAME PLATES

AC-DC METAL PLATES
Attractive black plates with etched aluminum faces, suitable for use on amplifier panels, etc. Measures 2½ x 1½ x 1 inch. For 300 volt circuits.

B4100, Plain, 0-10.
B4101, "Microphone," 0-10.
B4102, "Gain," 0-10.
B4103, "Temp.," 0-10.
B4105, Plain, 0-10.
YOUR PRICE EACH.......

$12.00

GAGE REDUCTION UNIT
6 TO I RATIOS
For use with any condensers and equipment with reduction gear. Aa double-bell driven gear and steel-steel bearing. B4111, For ¼ shaft. B4108, For ½ shaft. EACH...

$3.50

UTAH SENSITIVE RELAYS
PHOTO RELAYS that fit standard 4 or 5 prong type socket. Each contact will handle 250 Watts at 110 V., 15% w. For D.C.

B150, 2, S.P. Open.
B154, 3, S.P. Open.
B151, 2, S.P. Closed.
B152, 3, S.P. Closed.
B153, 5, S.P. Open.
B155, 6, S.P. Closed.
B157, 10, S.P. Closed.
B156, 10, S.P. Closed.
B157, 10, S.P. Closed.
B158, 10, S.P. Closed.
B159, 6, S.P. Open.
B161, 10, S.P. Closed.
B162, 10, S.P. Closed.

$1.76
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Here is the book that "tune" operators have been waiting for. Tells you how to build any kind of short-wave transmitter. Includes 49 pages of valuable information and answers many questions. With 33 illustrations, 24 pages. Shipping weight, 5 lbs.

B7078. Your Price...$5.00

ALLIED RADIO CORPORATION, 333 W. Jackson Blvd., Chicago, Ill.
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**ACCESSORIES**
- The only accessories required for either indoor or outdoor use: B9285, 100 feet 3 conductor connector cable for outdoor use. 
- B984, 100 feet 3 conductor connector cable for indoor use.
- B984, 100 feet 2 conductor cable for indoor use.

**COMPLETE SETS**
- Complete set consists of 2 Headphones with business and 25 foot wire. Additional wiring may be added. Available in four colors. 

**CANNONBALL MASTER HEADSETS**
- An improved, high resistance type headphone, of excellent quality, ideal for DX work. 
- Head set magnet assures maximum sensitivity. 
- Terminals are inside case. 
- Adjustable headband and 1/8th foot cord.

**CAPS AND DIAPHRAGMS**
- B2801 Single Phone, each. 
- B2802 Diaphragm, each.

**BRUSH CRYSTAL HEADPHONES**
- High sensitivity headphones of new piezo-electric device, are exact and ultra-high quality, with no units. 
- Made of lightweight material, of high resistance, and with better sound. 
- Suitable for any use, and with better sound quality, than any other.

**REAL PHONES—NEW DUXTEL TELEPHONES**
- New two-way French style telephones that operate on dry cell batteries; compact, attractive, and dainty. 
- Furnished in pairs—all ready for use. Only 2 standard dry cells for each set need to be added.

**PRACICAL—USEFUL**
- Practical at home or in business. 
- Especially convenient as night phones for house-to-house telephone service. 
- Equally useful in offices, factories, police stations, restaurants, stores, and other applications. 
- May be used to your own advantage. 
- Full instructions for rapid connection are included.

**MULTIPLE PHONE SYSTEMS FOR ALL PURPOSES**
- We can supply multiple telephone systems for all types of installations. 
- Write for literature on our complete systems, having from 2 to 10 phones, including extra phones with wire 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.
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 alabaster and light aluminum make them light in weight; may be worn for hours without tiring the listeners. The fine magnet gives added sensitivity. D. X. fans will be delighted with the fine reception possible with these headphones. Shpr. wt. ~2.9 oz.

B2812. YOUR PRICE...$1.12...

3000 OHMS WITH BAKELITE CAPS

The same sensitive and efficient headphones as above, but equipped with bakelite instead of alabaster. A real value in high-quality sensitive headphones.

B2809. YOUR PRICE...5c...

B2806. YOUR PRICE...$1.12...

CRYSTALS & CRYSTAL DETECTORS

OPEN TYPE DETECTOR

UniversalJoint on swirl arm provides quick, accurate adjustment on any point of the receiver. Handle is bakelite. Handmade polished metal finish. Complete with crystal.

B7003. LIST...$1.00...

FIXED CRYSTAL DETECTOR


B7004. LIST...$1.10...

C-TUBES

Set of three. Correctly designed and made of high-quality wire.

B4150. YOUR PRICE...19c...

SENSITIVE MOUNTED CRYSTAL

Carfully tested mounted crystal. Sensitive galena. Presented at the lowest price.

B4151. LIST...10c...

NET EACH...

ALKALINE BATTERY

Carbide. 0.35 volt 1/2 ampere. For sensitive crystal sets. Presented at the lowest price.

B4152. YOUR PRICE...6c...

METAL CAPS

For B2806. Use with ALUMINUM CAPS. Complete with crystal.

B2808. YOUR PRICE...3c...

GLASS ENCLOSED DETECTOR

A dust-proof glass enclosed detector complete with bakelite case. Standard in 90% of the crystal sets made. A fast selling item. Shpr. wt. ~.25 lb.

B7001. LIST...$2.25...

FEDERAL FIXED DETECTOR

Will give more selectivity to crystal sets or reflect circuits. Sensitivity is permanently fixed. Painted in small bakelite case with screw connectors. Pre-tested.

B7002. LIST...$1.00...

NET...

CAT-WHISKERS

Set of three. Correctly designed and made of high-quality wire.

B4150. YOUR PRICE...19c...

COMFORT HEADPHONE CUSHIONS


B810. YOUR PRICE PER PAIR...$2.25...

10 PAIRS...

$1.00...

PHILMORE PORTABLE BATTERY SET

A fine new portable receiver that is light, easy to handle, and a splendid performer. Covering 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 in this set are drawn from the best available for economical battery life. Batteries required: 1 small 1/2 volt dry cell 50 mah., one 3 volt "C", one 6 volt "D" and one type 49 tube. Flys carrying case comes complete with batteries and accessories.

B7008. YOUR PRICE...$5.00...

COMPLETE ACCESSORY KIT

Kit includes: 1 type 30 and 1 type 49 tubes. Simple set of five Burgess batteries. 1 set of sensitive headphones and 5 ft. of aerial wire. These items all fit in same case with the set.

B7009. YOUR PRICE...$3.59...

PHILMORE PORTABLE BATTERY SET

A fine new portable receiver that is light, easy to handle, and a splendid performer. Covering 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 in this set are drawn from the best available for economical battery life. Batteries required: 1 small 1/2 volt dry cell 50 mah., one 3 volt "C", one 6 volt "D" and one type 49 tube. Flys carrying case comes complete with batteries and accessories.

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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 exceptions of P.A. equipment, amateur-receivers, or test equipment 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.

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Remittance may be made most safely by post office money order. Express orders are handled by special arrangement, but amount of currency absolutely necessary, may be sent. Note: If you send currency be sure to register your letter. If special service is desired, 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, the bank or agent refunds. Express and freight shipments are sent transportation charges collect, so do not include shipping charges. Others charge the amount of freight shipments unless there is no agent at your station.

How to Estimate Parcel Post Rates

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 it is important that the merchandise be received by a certain time, 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.) Add 2% packing and handling charges to secure—every shipment reaches you in perfect condition.

How 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:

<table>
<thead>
<tr>
<th>Weight (in Pounds)</th>
<th>Up to $5.00</th>
<th>$5.00 to $10.00</th>
<th>$10.00 to $20.00</th>
<th>$25.00 to $50.00</th>
<th>$50.00 to $100.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 1$2.00</td>
<td>$1.00</td>
<td>$1.65</td>
<td>$2.00</td>
<td>$2.50</td>
<td>$3.00</td>
</tr>
<tr>
<td>Above 1$2.00</td>
<td>$1.00</td>
<td>$1.65</td>
<td>$2.00</td>
<td>$2.50</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

Chess

To estimate freight charges, please refer to the following chart:

<table>
<thead>
<tr>
<th>Weight (in Lbs.)</th>
<th>For 50 Mi.</th>
<th>150 Mi.</th>
<th>300 Mi.</th>
<th>500 Mi.</th>
<th>750 Mi.</th>
<th>1000 Mi.</th>
<th>1500 Mi.</th>
<th>2000 Mi.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Lbs.</td>
<td>$0.39</td>
<td>$0.41</td>
<td>$0.45</td>
<td>$0.52</td>
<td>$0.56</td>
<td>$0.66</td>
<td>$0.76</td>
<td></td>
</tr>
<tr>
<td>10 Lbs.</td>
<td>$0.43</td>
<td>$0.48</td>
<td>$0.56</td>
<td>$0.63</td>
<td>$0.71</td>
<td>$0.80</td>
<td>$0.90</td>
<td>$1.00</td>
</tr>
<tr>
<td>15 Lbs.</td>
<td>$0.47</td>
<td>$0.54</td>
<td>$0.66</td>
<td>$0.75</td>
<td>$0.87</td>
<td>$0.97</td>
<td>$1.09</td>
<td>$1.20</td>
</tr>
<tr>
<td>20 Lbs.</td>
<td>$0.51</td>
<td>$0.61</td>
<td>$0.77</td>
<td>$0.93</td>
<td>$1.10</td>
<td>$1.22</td>
<td>$1.38</td>
<td>$1.55</td>
</tr>
<tr>
<td>25 Lbs.</td>
<td>$0.55</td>
<td>$0.67</td>
<td>$0.87</td>
<td>$1.02</td>
<td>$1.20</td>
<td>$1.35</td>
<td>$1.53</td>
<td>$1.80</td>
</tr>
<tr>
<td>30 Lbs.</td>
<td>$0.60</td>
<td>$0.70</td>
<td>$0.91</td>
<td>$1.12</td>
<td>$1.35</td>
<td>$1.55</td>
<td>$1.83</td>
<td>$2.20</td>
</tr>
<tr>
<td>40 Lbs.</td>
<td>$0.71</td>
<td>$0.83</td>
<td>$1.06</td>
<td>$1.32</td>
<td>$1.63</td>
<td>$1.88</td>
<td>$2.21</td>
<td>$2.59</td>
</tr>
<tr>
<td>50 Lbs.</td>
<td>$0.79</td>
<td>$0.92</td>
<td>$1.16</td>
<td>$1.45</td>
<td>$1.83</td>
<td>$2.13</td>
<td>$2.52</td>
<td>$3.00</td>
</tr>
<tr>
<td>75 Lbs.</td>
<td>$0.95</td>
<td>$1.12</td>
<td>$1.39</td>
<td>$1.74</td>
<td>$2.15</td>
<td>$2.54</td>
<td>$3.00</td>
<td>$3.66</td>
</tr>
<tr>
<td>100 Lbs.</td>
<td>$1.11</td>
<td>$1.36</td>
<td>$1.65</td>
<td>$2.04</td>
<td>$2.47</td>
<td>$2.91</td>
<td>$3.45</td>
<td>$4.11</td>
</tr>
</tbody>
</table>

Overseas Customers

We enjoy a large Overseas Trade and cordially invite Export correspondents and business. Terms as 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 assure 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 buying power 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 models of high performance quality and are ready to serve you promptly and carefully. We are Radio Supply Headquaters to the World. We supply any export market with radio receivers, radio parts, sound equipment, etc., to meet every conceivable requirement.
**FOR E M O T S T R A D E**

**Rush Order Blank**

Allied Radio Corporation

833 W. Jackson Blvd. Chicago, Ill.

Write Your Name in Full

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<table>
<thead>
<tr>
<th>Street Address</th>
<th>R. F. D.</th>
<th>Box No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Office</td>
<td>State</td>
<td></td>
</tr>
</tbody>
</table>

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".

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**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.

---

**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 or 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.

**AMOUNT FOR GOODS**

- **Amount for 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 Parcel Post**
  - We refund every penny not used.

**TOTAL AMOUNT ENCLOSED**

If currency be sure to send by Registered Mail.
BATTERY SUPERHET

FEATURES:
- 6 tubes
- Automatic Volume Control for uniform volume
- Dial tuning
- Walnut cabinet

OPERATES ON 3 VOLT DRY “A”
2 VOLT STORAGE OR AIRCELL BATTERY

- 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: 1007A as Mod-Croc; 35 as I.F.; 106 as Det-A.V.C.; Audio; 35 as Power Output; 161 as Voltage Regulator. The 125 is a three-phase tube and does the work of 5 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 dependable battery radio operation, assuring dependable, enjoyable reception always.

(For efficient aerial, see page 99.)

KNIGHT 5 TUBE BATTERY SUPERHET

TUNES 175-550 METERS
- Newest 4½ Dial
- Tunes Police Calls
- Low-Drain Tubes
- P.M. Speaker
- A.V.C. Action
- Has Battery Space
- A Dependable Performer. A superb new farm radio offering all the advantages of power tubes, yet providing dependability and long life at the lowest price ever. The Battery Superhet incorporates the latest battery features. Tuning range covers 175 to 550 meters for dependable reception. The new superhet is a superior receiver for life on the farm.

$17.75

KNIGHT 6 TUBE BATTERY SUPERHET

TUNES 2 FULL WAVE BANDS
- 3 Band Utility
- Full A.V.C. Action
- New 5½ Dial
- Latest Tubes
- 6” P.M. Speaker
- Has Battery Space

$22.95

KNIGHT 5 TUBE BATTERY SUPERHET

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. Whichever type of battery is used, the Knight 5 is economical and dependable. The 1938 Knight 5 circuit is an advanced R.C.A. and Hazeltine licensed circuit. The tube requirements are as follows: 1017 as Mod-Croc; 40 as I.F.; 106 as Det-A.V.C.; Audio; 35 as Power Output; 161 as Voltage Regulator. The 125 is a three-phase tube and does the work of 5 tubes so that the Knight 5 actually offers 7 tube power with 5 tube economy. The 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 dependable battery radio operation, assuring dependable, enjoyable reception always.

(For efficient aerial, see page 99.)

$19.95

KNIGHT 6 TUBE BATTERY SUPERHET

OPERATES ON 3 VOLT DRY “A”
2 VOLT STORAGE OR AIRCELL BATTERY

- Economical Operation. The Knight 6 may be operated efficiently from a 3 volt dry “A” battery, a 2 volt storage battery, or an Eveready Air Cell. Whichever type of battery is used, the Knight 6 is economical and dependable. The 1938 Knight 6 circuit is an advanced R.C.A. and Hazeltine licensed circuit. The tube requirements are as follows: 1017 as Mod-Croc; 40 as I.F.; 106 as Det-A.V.C.; Audio; 35 as Power Output; 161 as Voltage Regulator. The 125 is a three-phase tube and does the work of 5 tubes so that the Knight 6 actually offers 7 tube power with 5 tube economy. The 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 6 circuit represents the last word in powerful and dependable battery radio operation, assuring dependable, enjoyable reception always.

(For efficient aerial, see page 99.)

$24.35
Zeyit coupled with bigger and its valuable practical features. The economy desired is the powerful R.C.A. and Hazeltine licensed. Only OPERATES BATT
voltages and the efficiency of money-saving $1.94. If desired with 2 Volt Storage battery, add $1.37. The economy of the Knight offers it 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, 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, 25% less than other receivers of comparable high standard, brings to the rural market the fullest measure of performance power and utility, outstanding complete- tone quality and economical operation—plus the new feature of outstanding practicality and value. You won’t be able to beat the Knight 7 for low-prices and performance.

1 Automatic Tuning. Used for the first time in a low-cost battery radio. The new 1938 KNIGHT Automatic Select-a-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. Anywhere. 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.

2 World-Wide Range. The Knight Battery 7 tunes 3 full bands for genuine All-Wave coverage. Tuned 15-52 Meters for world-wide Short Wave reception; 31-175 Meters for amateur, police, ship and aircraft signals; 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 waveband indicator.

3 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., 24 as I.F.; 1F6 as Det.-A.V.C.; 30 as Audio. Driver 2—30% as Power Output 0—1 as Voltage Regulator. Battery drain is extremely low, only 0.40 A. on "A"—the battery drain is only 20 M.A.

4 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 style 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-footed tuning condenser; rubber-footed chassis; 6 turned circuits on all bands.

5 Cabinet Heats 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 23X12X12" 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 Burgess Battery. Less batteries. Shpg. wt., 28 lbs. Code: CLEAN.

B1090. Retail Value, $92.50. YOUR NET PRICE, $34.65.

KNIGHT 7 TUBE CONSOLE MODEL

The Knight Battery 7 Console Model is also available in the beautiful new console shown at left. Instrument panel is of butt walnut, with contrasting-curved walnut pilasters. Size: 38x21x11 3/4". Supplied complete with all features described above, including Automatic Select-o-Dial, 6" P.M. Dynamic Speaker and Burgess battery. Shpg. wt., 50 lbs. Code: PKZK.

B10593. Retail Value, $97.50. YOUR NET PRICE, $39.75.

B10593. The Knight 7 Tube 3 Band Battery Superhet 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


B10595. Retail Value, $57.50. YOUR NET PRICE, $27.35.

B10596. The Knight 7 Tube 3 Band Battery Superhet as described, complete with Burgess Dry "A" battery and 3-45 Volt "B" batteries. Shpg. wt., 88 lbs. YOUR NET PRICE, $32.55.

(Please see page 99.)
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, the 1938 Knight 6 Tube AC-DC Superhet has been designed and built to give enjoyable and powerful AC-DC performance in combination sets.

* Actual 2 Band Efficiency. The new Knight 6 AC-DC Superhet tunes from 43 to 143 Meters for excellent coverage of Short-Wave broadcast, as well as the popular long distance local calls, and from 175 to 555 Meters for long-distance standard American and Canadian Broadcast stations. Gives actual 2 band efficiency at a low price.

* Plays Anywhere. The Knight 6 is the ideal AC-DC receiver. You can play it anywhere on 110 volts AC or 40 or 60 cycles, and may be used on 220 volts with adapter listed below. The Knight AC-DC is ideal as a personal or "apart" receiver.

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

* Splendid New Features. The Knight 6 is a built-in antenna for added convenience; a novel illuminated dial, which can be turned easily with the cabinet in either "laydown" or "upright" position (see illustrations); Automatic Volume Control for uniform volume maintenance; special high-gain antenna coil for added sensitivity; black and white tubes used as follows: 6A7 as Det.-O.C.; 6G6 as P. Amp.; 73 as triple-purpose 2nd Det.-A.V.C.-1st Audio; 25B6G as Beam Power Output; 1955 as Rectifier; [I.F. 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 hand tuned and played in either laydown or upright position. It is especially designed and built to give enjoyable and powerful AC-DC performance.

* Set Complete. Order several of these outstanding 1938 compact sets today and watch them move at a real profit! The Knight AC-DC 6 Tube 25B6G AC-DC Superhet for 110 volts AC-DC, 60-60 cycles, complete with Raytheon tubes. Shpg. wt., 10 lbs.

Knight 5 TUBE A.C. SUPERHET

TUNES 175 TO 555 METERS

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

* 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 movement. You can tune in your favorite stations in this smooth, convenient way. Of course, you may tune all other stations by number in the regular manner, the way you prefer.

* Extra-Value 6¢ Tube Set: You get all of the following in the 1938 Knight A.C. S: 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; achieves 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.

* Det.-O.C. 645 Dial. The large full-motion dial used in the Knight A.C. S is easy to read and operate. Shows calibrations in kilocycles covering a range of 175 to 555 meters. Gives powerful standard band reception of American and Canadian stations and tunes many police calls. You can use the "Quick-Touch Dial" for your favorite stations and the regular station selector for other stations.


* 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 line drawings; price $13.25. 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.

Retail Value, $20.95. YOUR PRICE, LOTS OF 3, EACH $13.25

Extra-Value EACH $13.95

$13.25

Knight A.C. Superhet

An Allied 1938 Feature Value!!!

D. I. S. O. L. I. T.

Retail Value, $20.95. YOUR PRICE, LOTS OF 3, EACH $13.95

$13.25
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

An entirely new and powerful 1938 Knight 5 Tube Universal 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, or 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 and in any location, where the installtion of electric current lines is impractical.

The Knight Universal 5 Tube Superhet is the economical operation when used from a 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.

The Knight 4 Tube 6 Volt Battery Superhet

COVERS 175-560 METERS

Now every home in un wired area can enjoy powerful low-cost radio reception. Here is a new salely economical 1938 6 Volt Farm Radio designed for operation from storage batteries. The 1938 Knight Battery 4 will outperform larger battery sets both in performance and in economy.

- Practically Economic
- The Knight 4 offers the convenience and economy of the finest A.C. receiver. A single 6 volt storage battery (and a 6 volt "C" battery) do all the work. The 4 costs less to operate, requiring only inexpensive occasional charging of the 6 volt "A" battery.

Worthwhile Circuit

The latest developments in 6 volt radio design are incorporated in the R.C.A. and Hazeltine licensed Knight 4 circuit. The latest low drain tubes are used for maximum efficiency. C1 as Det.-Dec.; I3 as 1 P.M. Amp; I6 as 2nd Det.-A.V.C.; I7 as Power Output. This last circuit includes full-swinging Automatic Volume Control which prevents fading and bleeding.

Large Tuned Dial

The latest airplane type full-vision dial is used in the Knight Battery 4. The tuning range covers 175 to 560 meters for dependable reception of all standard broadcast stations and upper police channels. Calibrations are in kilocycles.

4½ Inch P.M. Speaker

The latest special side P.M. Speaker is used in the Knight Battery 4. It reproduces the surprisingly large output of the circuit with rich full tone and sensitivity from every volume level. The 4 brings you at a money-saving price, the finest tone in battery radio. A remarkable price for a portable radio, the Knight 4 Tube 6 Volt Battery Superhet must be seen and heard to be fully appreciated.

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, or 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 and in any location, where the installation of electric current lines is impractical.

The Knight Universal 5 Tube Superhet is the economical operation when used from a 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.

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 latest development in 6 volt radio design is featured in this remarkable cabinet, 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 brass mounted. The Knight 4 Tube 6 Volt Battery Superhet must be seen and heard to be fully appreciated.

- Handsome New Cabinet. One of the 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 feet mount complete the graceful design. The cabinet measures 17" long, 19½" high, 9½" deep.

- Set Complete. The new 1938 Knight Universal 5 Tube Superhet is offered complete with R.C.A. P.M. Dynamic Speaker and set of R.C.A. tubes. Designed for operation on 110 volts 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.) Shipped wt., 22 lbs. Code: BRIDE.

- $25.35

- B10575. 6 Volt Battery. 5½ lbs. wt. $6.50 NET EACH, $24.75 YOUR PRICE. LOTS OF 3, EACH... $23.50.

B10015. 6 Volt Knight 4-plate Storage Battery. Shipped wt., 4.6 lbs. YOUR NET PRICE $11.35


- B10520. 4-plate, 100 C. 6½" P.M. Superhet complete with Knight Battery 4 Tube 6 Volt Superhet. Shipped wt., 22 lbs. Code: BRIDE.

- B10521. The Knight 4 Tube 6 Volt Battery Superhet complete with 6½" P.M. Dynamic Speaker and Raytheon tubes. Batteries. Shipped wt., 22 lbs. Code: BRIDE.

- B10521. The Knight 4 Tube 6 Volt Battery Superhet complete with 6½" P.M. Dynamic Speaker and Raytheon tubes. Batteries. Shipped wt., 22 lbs. Code: BRIDE.

- YOUR NET PRICE $20.50.
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!

Here's 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 Farm offers them all at so low a price.

Powerful All-Wave Reception. The tuning range covers three full bands continuously from 10 to 553 meters. From 18 to 175 and 51 to 175 meters, you tune thrilling Short Wave foreign programs as well as interesting Amateur, Airmail, and Police calls. From 175 to 553 meters you tune all standard Broadcast American and Canadian programs.

Latest Circuit Features. The newest developments from radio's leading laboratories are built into this Knight 6. Low drain Raytheon tubes of octal design are used for extra efficiency. 6576 as R.F. Amp.; 6176 as Det.-Out.; 6176 as Diode Det.-A.V.C.; 6176 as Driver. 19 as Class "B" Power Output, 30 as Bias Rectifier. These tubes have been selected to give the Knight the power of many 8 and 9 tubes—on a lower cost. The power output of 2 watts in Class "B" has become a standard achievement for battery radios—it means full strength reception on every program. Other features include: Full Automatic Volume Control; Variable Tone Control; low-hi split, high-output, low-drain, 553; 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. 6Q speaker in table model, 8" speaker in console and chassis models.

A Real Battery Miner. So economical is the Knight 6. Battery drain is so low that you can have a "Battery Miner". Only a single 6 Volt storage battery applies, and added in circuits are not needed. Low drain tubes are used throughout to assure maximum savings without any sacrifice in efficiency. Battery drain is only 1.95 amperes—longer use at the same price. Less than 1.95 amperes—longer use on "B" and "C" battery costs. That's real economy!

Easy to Tune. A newly designed, all-lighted airplane dial makes the Knight 6 Volt Battery Superhet exceptionally easy to tune. Dial measures 5¼ x 7¼ and all calibrations are large and clear. All bands are distinctly marked for fullest convenience.

Handsome Table Model Cabinet. A real beauty, made of the finest materials. Top, front and bottom are shaped from a single piece of selected, rich-grained walnut—hand-rubbed and highly polished. Dimensions: 19" long, 11¾ high, 10½ 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.

B10540. Retail Value $82.50
NET $29.95

B10545. Set complete as described above, with Knight 6 Volt Heavy Duty 45 Plate Storage Battery. Code: GLADE. Shpg. wt. 50 lbs.
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 at the same wholesale price. Deluxe console cabinets illustrated at left. Roll-top and instrument panel are of selected Cherry and Walnut. Blunt pianos at side blend harmoniously. Entire cabinet is hand-rubbed to a rich, lustrous finish. Dimensions: 41½ x 21½ x 12½". Console model includes 8" P.M. dynamic speaker which, with large baffle area, offers exceptionally full-sounding tone. Includes all features described above.

B10546. Retail Value $89.50
YOUR NET PRICE

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 re-placement purpose. Measures: 11½ x 8 x 5¼". Includes all features described above. All-Wave tuning from 10 to 553 meters, A.V.C., Tone Control, illuminated Airplane Dial, Illuminated Octal tubes, etc. Supplied complete with 8 special alloy P.M. dynamic speaker, dial with knobs for tone and Ray-Neon tubes. Operates entirely from a single 6 Volt "B" Battery. (No "C" batteries needed.) Less 6 Volt Battery. Shpg. wt. 18 lbs. Code: BROWN.

B10547. Retail Value $57.50
YOUR NET PRICE

B10553. As above, but complete with Knight 6 Volt 45 plate heavy duty storage battery. Shpg. wt. 90 lbs.
NET $33.30
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 15 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 see 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 through-out automatically corrects position for any wind.
* Rotogrip distributor maintains double tension contact—permits free rotation of power head.
* Generator is self-starting 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-collars. 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. It 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 mechanism, wired and ready to mount; 10 foot Tower, Propeller, Tail Vane, Ammeter on panel, Cut-out, Battery clips, etc. Complete instructions supplied. Shop wt., 75 lb.

YOUR NET PRICE...

B10031. 2 Volt Resistor for charging 2 Volt Storage Battery from Wind charger line. NET... $2.00

6 VOLT RADIO & LIGHT PLANT ACCESSORIES

6 VOLT STORAGE BATTERIES

Especially designed for use with Rurlpower units. Oversized plates and carefully sealed cells provide long efficient service for lighting use.

Order a Wurlcharger complete.

B10002. 55 plate, medium-duty type. For radio and not more than 2-15 watt lamps. 35 lbs. NET... $10.95

B10022. 63 plate, medium-duty type. For radio and not more than 3-25 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... $23.10

B10024. GLASS JAR DELUXE TYPE. Especially developed for farming 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 30 feet, use No. 8; at 25 feet; at 10 feet, use No. 12. For a single 0 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.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>100 Ft.</th>
<th>Per Ft.</th>
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</table>
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. Equipped with genuine Briggs & Stratton engine—your assurance of long-life dependability. Rurlpower DeLuxe is ideal for lighting, power for farm tractor, boat, sound truck, traveling show, roadside stand, etc. Charges up to three 6 volt storage batteries, operates up to eight 100 watt bulbs from heavy-duty 6 volt storage battery! Rurlpower develops full 200 watts of direct current for quick, low-cost battery charging! Also permit operation of 6 volt lighting system, 6 volt radio and 6 volt Sound Systems. Also has efficient direct motor power take-off for operating many 24 volt accessories. With convenient lever-starting!

LOW-COST 6 VOLTS LIGHTING SYSTEM

6 VOLT LIGHT BULBS

These high grade G.E. licensed light bulbs give maximum light from 6 volt storage battery. Ideal for use in farm lighting systems, camps, lodges, tents, trailers, etc. Made by KEN-RAD, nationally known for quality and life. Have standard Edison type base. Write for attractive quantity prices. Sizes available in 12 volt types (see listing on page 21). These bulbs are rated inside surface for even light diffusion.

<table>
<thead>
<tr>
<th>No.</th>
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<td>15</td>
<td>2.5 Amp.</td>
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<tr>
<td>B796</td>
<td>25</td>
<td>4.2 Amp.</td>
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<tr>
<td>B820</td>
<td>50</td>
<td>8.5 Amp.</td>
</tr>
<tr>
<td>B8446</td>
<td></td>
<td>Pull-chain socket. Pendant type. Standard Edison socket. Threaded to accommodate screw-on type reflector. With 6&quot; pull-chain.</td>
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</tbody>
</table>

RURLPOWER SPECIFICATIONS

Deluxe engine is famous Briggs & Stratton 4 cycle, single cylinder, air-cooled, H.P. type. Lever starting; motor ignition supplied by high-tension, built-in (4 wheel magnetos) battery (not needed for starting). Also has starter pulley for emergency hand starting. Special ball-bearing generator furnishes full 200 watts output at 6 volts. Sun-cooled, equipped with automatic circuit breaker. Multiple control switch provides selected charging rates of 10 and 15 amperes. Ignition shielding prevents radio interference. Rubber-mounted to prevent oil leakage. Distributor and cut-out removed. Power is limited to 14/12V x 20%. Supplied complete with charging leads and battery terminals, air cleaner, oil filter, 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 4% H.P. directly from motor by means of auxiliary pulley. Includes genuine new Briggs & Stratton 4-cycle, air-cooled, single-cylinder engine, and newly designed, especially matched generator. Costs only a few cents to operate—runs 4 3/4 hours on 1/2 gals. gasoline. Compacts (14 1/2 x 14 1/2 x 13 1/2"), light in weight (40 lbs.), so that it is easily portable—yet sturdy and dependable. Generator is not required for starting; motor ignition is supplied by moisture-proof, high-tension, built-in fly-wheel magnet. No more time-wasting drudgery, poor lighting, weak radio performance. Pull Starter to work—it will pay for itself in a few weeks. Make money charging batteries for others in addition to selling the unit itself. Cash in on a big, waiting market.

RURLPOWER SPECIFICATIONS

Deluxe engine is famous Briggs & Stratton 4 cycle, single cylinder, air-cooled H.P. type. Lever starting; motor ignition supplied by high-tension, built-in (4 wheel magnetos) battery (not needed for starting). Also has starter pulley for emergency hand starting. Special ball-bearing generator furnishes full 200 watts output at 6 volts. Sun-cooled, equipped with automatic circuit breaker. Multiple control switch provides selected charging rates of 10 and 15 amperes. Ignition shielding prevents radio interference. Rubber-mounted to prevent oil leakage. Distributor and cut-out removed. Power is limited to 14/12V x 20%. Supplied complete with charging leads and battery terminals, air cleaner, oil filter, tools, and full operating instructions telling how to charge 2 volt and 12 volt storage batteries as well as 6 volt.

LOW-COST 6 VOLTS LIGHTING SYSTEM

6 VOLT LIGHT BULBS

These high grade G.E. licensed light bulbs give maximum light from 6 volt storage battery. Ideal for use in farm lighting systems, camps, lodges, tents, trailers, etc. Made by KEN-RAD, nationally known for quality and life. Have standard Edison type base. Write for attractive quantity prices. Sizes available in 12 volt types (see listing on page 21). These bulbs are rated inside surface for even light diffusion.

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POWERFUL KNIGHT AUTO RADIOS

FITS ANY CAR
MATCHES ALL DASHES

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 replacements. 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 (51/2" x 4") 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 for low noise.

The New Knight 6-Tube Auto Suppressor incorporates the latest RCA and Hazeltine licensed circuitry. The low of dual-purpose and triple-purpose tubes adds actual 9-Tube efficiency with 9-Tube economy. Has full 3 watts output which is beautifully handled by the built-in full Q dynamic speaker. A 3-gang rubber-cushioned condenser with a noise-reducing pre-tuner stage of P.F. amplifiers and a newly developed iron-core antenna coil and double-tuned L.P.F. transformers positively assure 1 microvolt sensitivity and 90 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 provisions for speaker and controls. In handsome dark maroon finish, with smart chromium grille. Patented antenna circuit offers 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 complete kit mount, mounting kits listed below at left. No other 6-Tube Auto Radio offers such luxurious performance.

The Knight 6 Auto Radio is offered complete with all Raytheon tubes, flexible shafts, tuning control mechanism and hardware.

B10589. Retail Value. $19.95.
NET EACH. $18.50.
LOTS OF 1, EACH. $18.00.

SPECIAL CONTROL MOUNTING KITS

B10588. TYPE A. Universal control which adapts tuning mechanism of Knight Auto Radios to fasten to lower edge of dash panel of car. Makes an attractive installation in cars which do not have custom-control provisions on dash.

YOUR PRICE 90c EACH.

(Two controls are for use only with 1937 Knight Auto Radios.)

KNIGHT DOR-HINGE AUTO ANTENNA

A highly effective new antenna at an attractive low price. Designed to be easily attached to the hinge on 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. Made of 44 lead-in wire which enters through car door opening. Fitted with sturdy mounting bracket. One of the finest low-cost 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 pickup of wheels of car.

B8488. PER PAIR. 18c

RCA-VICTOR M-34 VIBRATOR ASSEMBLY


B320. Part No. 7604. H. & S. NET...$3.60

BASE FOR ABOVE RCA Part No. 6577. Capacitor base assembly for vibrator N. 7604. Two 64 red.

B1. Part 6577. YR. PRICE 47c

ANTENNA CONNECTOR

Auto radio sets to connect antenna to car radio set.

B22994. 1/8" DIAM. 60c

B22995. 1/8" DIAM. 60c

KNIGHT DOR-HINGE AUTO ANTENNA

A highly effective new antenna at an attractive low price. Designed to be easily attached to the hinge on 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. Made of 44 lead-in wire which enters through car door opening. Fitted with sturdy mounting bracket. One of the finest low-cost 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 pickup of wheels of car.

B8488. PER PAIR. 18c

MOTOR-NOISE FILTER

A new scientifically designed Auto Radio noise and spark plug suppressor. 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 suppressor. Filter is housed in a shielded metal container, fitted with mounting bracket. Can be installed in series with the antenna at receiver.

B9489. YOUR PRICE $1.32

SHIELDED AERIAL LEAD-IN

For efficient installation of auto aerials. Fully shielded metal lead-in wrapped around No. 18 conductor, with close-fitting shielding overall. Perfect for any K" Diam.

Per Ft. 5 ft. $4.35

B22445. K" DIAM.

Per Ft. 5 ft. $3.95
ALLIED leads again with the first real step toward safer driving. The exclusive new TOUCH-O-MATIC TUNING UNIT consists of a compact bakelite housing into which six small push button units are mounted. They are used for program logging, each controlling a separate station. The push button is mounted for channel clearing; it makes the change from push button tuning to regular manual dial tuning, or any other desired position simply by pressing any one of the six station-control push buttons. You can accurately log the program being broadcast by that station. Imagine it! Your auto radio station will operate smoothly, movement of your fingers — 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 stations can be easily adjusted to any frequency or any station on the broadcast band. For most accurate alignment, an oscillograph should be used. The five buttons will accurately cover the most popular broadcast stations in the 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 separate TOUCH-O-MATIC tuning box which in turn is connected to the auto radio tubes. The second connection is from control box into the receiver. The TOUCH-O-MATIC Unit is especially ideal for use with Knight Auto Sets.

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 6 1/2" x 7 1/4" x 7 1/4". Has single hole mounting for quick easy installation.

* No Suppressors. A special new multi-filter noise suppression circuit is built into the receiver. There is no need for external plug-in suppressors.

* Metal Tubes. Newest type tubes are used throughout the advanced circuitry of the Knight 7. All of these tubes are the latest metal type (6L6, 6L6, 6C5, etc.). The others are super-efficient glass type (7K4, 6A7, 6N6, 84).

* 5 Watts Output. The Knight 7 develops a full undistorted output of 5 watts—more than sufficient for 8400 output stage. Makes possible amazingly full tone.

* 65º Dynamic Speaker. The self-contained heavy-duty dynamic speaker handles the output of the Knight 7 with rare fidelity and richness. At all frequencies, reproduction is wonderfully rich 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 of the receiver. The "distance" position is ideal for open country driving.

* No-Clash Dial. The watchword 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 Circuits. A new built-in antenna compensator matches the Knight 7 perfectly for use with all high or low capacity auto antennas.

* New Circuit Features. The Knight 7 Auto Radio incorporates splendid new refinements. A.V.C. (Automatic Volume Control) is standard. The circuit is completely independent of the receiver. This new Knight 7 makes possible absolutely noise-free reception of the receiver. The "distance" position is ideal for open country driving.

* A Great Car Radio Value. The Knight 7 Tube Auto Radio as described is a complete dual-unit set. Comes with separate speaker, built-in speaker, Raytheon tubes, flexible shafts, tuning mechanism and hardware. (Mounting panel and knobs shown above). Weight: 18 lbs. Complete with removable panel kit to fit your car.)

** Knight 7 Tube De Luxe AUTO RADIO WITH SEPARATE 8" SPEAKER**

The Knight 7 Tube Auto Radio is also available in a deluxe Dual Unit design. This model is described in the same as described above except that a separate full P.M. Dynamic Speaker is used. The separate chassis unit and separate speaker units are each single-hole mounting. Both are in attractive bronze crinkle-finished metal cases with chrome trim. Chassis unit measure 6 1/2" x 7 1/4" x 7 1/4". 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 speaker. Raytheon tubes, flexible shafts, tuning mechanism and hardware. (See listing on page 154 for proper panel to fit your car.)

**Your Price: $5.35**

**Your Price: $28.45**

**Your Price: $51.95**

**Your Price: $31.95**
American's FINEST 6 VOLTS BATTERY RADIO

Knight 8 TUBE 6 VOLTS ALL-WAVE SUPERHET

- 3 Bands
- With Electric Eye
- Tone Control
- Bass Compensation
- Full A.V.C.
- 3 Gang Condenser
- Glint Dial
- 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 60-135 meters for powerful world-wide Short Wave 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 Volts 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; 655G as R.F.; 035G as Det. Amp.; 6S7G as I.F.; 6L6G as Audio; 6L6G as Driver; 19 as Class "B" Push-Pull Output; and 6N6P as Electric Eye. Total drain is only 2.8 amperes, yet this powerful circuit develops full three watts output. Other outstanding features: I.F. wave-trap to prevent echo from breaking through on Broadcast band; rubber-lined chassis for more stable operation; 3 gang tuning condenser for sharper tuning; 8 tuned circuits on each band, full A.V.C. to maintain uniform volume level; phones and double antenna connections, etc.
- Electric Eye. Scientifically precise, it shows you visually when you are tuned in perfectly. Prevents "off-tuning" thus achieving 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 Volts 8 enhances a handsome pull-down-shaped dial 3½" in diameter and edge-lighted. Accurately calibrated separate wave-bands are clearly marked on gold background. Visual wave-band indicator is built into dial.

8 TUBE 6 VOLT CONSOLE MODEL

The Knight 8 Tube Battery Superhet is offered also in the magnificent complete illustrated model. Has vertically striped walnut instrument panel and top of one-piece roll-top construction. Side pilasters are gracefully curved and are of matched contrastingly-colored stabilized wood. Size: 45½ x 15¾ x 12¾. B10608, Knight 8 complete with tubes and 10" speaker, less 6 volt battery. Shog. wt. 80 lbs.

YOUR NET PRICE
B10608, Knight 8 complete as above, but with Knight Heavy-duty 51-plate, 6 volt storage battery. Shog. wt. 122 lbs. $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 50 years. Size: 14½ x 10½ x 10½. Knight 8 chassis model with tubes and 10" speaker. Battery. Shog. wt. 22 lbs. $41.50

YOUR NET PRICE
Knight 8 chassis model complete as above, but with Knight Heavy-duty 51-plate, 6 volt storage battery. Shog. wt. 51 lbs. $79.50

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 strips and beautifully matched grained sides. 26" x 14" x 13½. B10806, Knight 8 complete with tubes and 8" speaker. Less 6 volt battery. Shog. wt. 45 lbs. Code: POWER

YOUR NET PRICE
B10806, Knight 8 complete as above, but with Knight Heavy-duty 51-plate, 6 volt storage battery. Shog. wt. 90 lbs. $53.95

YOUR NET PRICE
B10807, Knight 8 complete as above, but with Knight Heavy-duty 51-plate, 6 volt storage battery. Shog. wt. 90 lbs. $53.95
Knight 6 Tube All-Electric 32 Volt Superhet

- All-Electric Radio
- With Tone Control
- Full A.V.C. Action
- 6" Dynamic Speaker
- Giant 9/16" 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 the 1938 Knight 6 is built today at any price—its logical 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 and chassis model. Operation is direct from the 32 volt power source, the Knight 6 offers complete bands—16 to 51 and 175-555 meters—bringing every desirable program to you perfectly and dependably. New improvements, new refinements, make it possible for every user of 32 volt power to obtain the finest in radio—in an unbeatably low price.

- Operates From Any 32 Volt D.C. Sources. No batteries, power units, or transformers are required—the Knight 12 Volt D.C. Superhet is entirely all-electric. The new type 40 tubes which are employed operate directly from any 32 volt source, for genuine all-electric power convenience and economy. The modern 32 volt superhet 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 equipped with all-cycles for the 175-555 meter band; in megacycles for the 16-51 meter band.

- Three Band Efficiency. The Knight 12 Volt 6 tunes 16-51; meters for foreign and domestic Short Wave programs, including the most popular overseas stations on the bands; and 175-555 meters for powerful American and Canadian programs. Here are two full bands that do the work and give you all the thrills of three!

- 3 Tube Power With 6 Tube Economy. The newest R.C.A. and Hazeltine circuit is incorporated in the Knight 6 Volt Superhet. The following multi-purpose and all-purpose tubes produce 8 tube results at no extra cost: 1—5A4, as Osc.; 1—6SJ7 or 6AK5; 2—6SB6 or 6AL6 as Dec.; A.V.C.-1st Audio; 1—76 as 2nd Audio; and 4—6B8 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." Lusing to the Knight 6 gives a new concept in 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 sets has been included in the Knight 6 Volt DC Superhet—full Automatic Volume Control assures uniform volume and freedom from fading; Continuously Variable Tone Control provides 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; double antenna connections; smooth, dependable wave-band switch; newest multi-function tubes, etc. Only the Knight 6 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: 19½" x 11½" x 6½". This cabinet is a fitting complement to the quality and workmanship of the Knight 6.

- Table Model Complete. The Knight 12 Volt 6 ½ Table model is offered complete with 6" dynamic speaker, 5¾" dial and 6 R.C.A. tubes. For 12 volt operation, a $60.00 value offered at price that defies competition. Shpg. wt.: 30 lbs.

Code: BROOK.

B10812. 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. It is walnut grained, with plenty of baffle area to assure finest acoustical results. Front face of beautiful matched walnut wood grained to simulate solid wood panelling. Measures 32½" high; 12½" deep; 8¼" wide. New high quality, all-tube speaker reproduces every tone level with dynamic, vivid clarity. 9/16" 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. Shipping weight: 30 lbs.

Code: GRANT.

B10815. Retail Value, $62.50.
NET EACH, $39.75.
YOUR PRICE, IN LOTS OF 3, EACH, $37.75

For efficient aerial, see page 99.
**ALMOST BATTERYLESS! POWERFUL AND ECONOMICAL!!**

**Knight 7 Tube 6 Volt Battery Superhet**

3 FULL BANDS - ELECTRIC EYE

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**The Knight 7 Tube 6 Volt Battery Superhet** has been designed to offer maximum performance and minimum cost. The superhet type receiver is now in demand because of the new Allied Broadcast Band that has been opened up for public use. The Knight 7 comes complete with the new Automatic Select-O-Dial feature which makes tuning easy and accurate. The large knobs are self-aligning and simple to use. The function of each knob is indicated by its color. The receiver also features a built-in speaker, which is capable of reproducing voices and music with remarkable clarity. The receiver is powered by a 6 volt battery, which is rechargeable and lasts for many years.

**Automatic Tuning**

The receiver features a built-in automatic tuning system which allows the operator to select any station in the band without having to adjust the tuning control. The system is operated by a push of a button and is activated by the movement of the tuning knob. The receiver also features a built-in speaker, which is capable of reproducing voices and music with remarkable clarity.

**Solid State Construction**

The receiver is constructed with solid state components, which makes it more reliable and longer lasting. The receiver is also easy to repair since all the components are readily available on the market.

**Model Features**

- **Automatic Tuning**
- **Built-in Speaker**
- **Solid State Construction**
- **Automatic Select-O-Dial**
- **Battery Rechargeable**

**Specifications**

- **Frequency Range**: 530-1600 KHz
- **Output Power**: 5 watts
- **Sensitivity**: 5 microvolts
- **Selectivity**: 60 db
- **Weight**: 10 lbs
- **Battery**: 6 volt

**Price**

The Knight 7 Tube 6 Volt Battery Superhet is available for $35.85.

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**Exquisite Table Cabinet**

The ultra-modern cabinet shown above is the perfect housing for the new Knight 7 Tube Farm Radio. The new Knight 7 is a revelation for the ordinary man. It is a revelation for the ordinary man. It offers a quality of performance that is truly extraordinary.

**Automatic Volume Control**

The receiver is equipped with a built-in automatic volume control which automatically adjusts the volume to the best possible level without the need for manual adjustment. The volume control is sensitive and accurate, which makes it ideal for use in the home or office.

**Automatic Select-O-Dial**

The receiver is equipped with an automatic select-o-dial feature which makes tuning easy and accurate. The large knobs are self-aligning and simple to use. The function of each knob is indicated by its color. The receiver also features a built-in speaker, which is capable of reproducing voices and music with remarkable clarity.

**Automatic Tuning**

The receiver features a built-in automatic tuning system which allows the operator to select any station in the band without having to adjust the tuning control. The system is operated by a push of a button and is activated by the movement of the tuning knob. The receiver also features a built-in speaker, which is capable of reproducing voices and music with remarkable clarity.
**Perfected Automatic Tuning—Superb Tonal Quality**

**WORLD-WIDE RECEPTION**

with AUTOMATIC SELECT-O-DIAL

JUST DIAL YOUR STATION

The new 1938 Knight All-Wave 8 Tube A.C. Superhet is the model with Automatic Tuning, complete with 8" speaker and Raytheon tubes. For operation on 110 volts, 60 cycles A.C. Spe. wt., 35 lbs. Code: CHAMPION B10542. NET EACH $33.95

**YOUR PRICE, LOTS OF 1 EACH**

- Automatic Tuning
- Full A.V.C. Action
- With Tone Control
- Tunes 3 Full Bands
- Triple Filter System
- Preslector Stage
- 6 Watts Output
- 3 Gang Condenser
- Large Speakers

**KNIGHT 8 TUBE A.C. SUPERHET**

Just Dial your station

The call letters of ten stations appear

Broadcast reception from

World-Wide

spread.

Each band brings you power 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 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.

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.

**KNIGHT 8 CHASSIS MODEL**

As illustrated — a de luxe model in every detail. Size: 11½ x 11½ x 11½. With all features described above. Comes complete with 17 tubes, dynamic speaker and Raytheon tubes; Automatic Tuning mechanism; speaker and condensers. For 110 volts, 60 cycles A.C. Shp. wt., 33 lbs. Code: CHAMPION B10542. Retail Value $71.50. NET EACH $34.45. YOUR PRICE, LOTS OF 1 EACH $32.45

**KNIGHT 8 CONSOLE MODEL**

The Knight 8 is available in console shown at left. Built of choice walnut woods. Size: 41½ x 17½ x 17½. Includes all features described above. Complete with 17 tubes, dynamic speaker and Raytheon tubes; Automatic Tuning mechanism and condensers. For 110 volts, 60 cycles A.C. Shp. wt., 70 lbs. Code: FAVOR B10941. Retail Value $97.50. YOUR PRICE, LOTS OF 1 EACH $88.45

- 6 Watts Output
- 3 Gang Condenser
- Large Speakers

**World-Wide Range.** Tour the World with the new 1938 Knight 8 Tube All-Wave A.C. Superhet! Tunes everything on the air. 16-12 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
- Full A.V.C. Action
- With Tone Control
- Tunes 3 Full Bands
- Triple Filter System
- Preslector Stage
- 6 Watts Output
- 3 Gang Condenser
- Large Speakers

**World-Wide Tunes.** Whether your 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 voices and musical fidelity and brilliant clarity.

- Automatic Tuning
- Full A.V.C. Action
- With Tone Control
- Tunes 3 Full Bands
- Triple Filter System
- Preslector Stage
- 6 Watts Output
- 3 Gang Condenser
- Large Speakers
Knight II 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. Proselector

This magnificent new Knight II 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 your music just as you have never heard before.

- Tunes Three Full Bands. The Knight II covers the complete range: 16-52 meters and 50-154 meters for powerful short-distance reception of all standard American and Canadian Broadcasts. Has all the new features.
- Automatic Dialing. Tunes your favorite 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—your tuned in instantly, silently and perfectly.
- Giant Color-Band Dial. In addition to automatic tuning, the Knight II 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. Make quick automatic tuning changes at your command. Fancy color bands are indicated.
- Metal Tube Efficiency. 10 new metal tubes and 3 glass type are used effectively in the grand new Knight II Superhet as follows: 6K7 as Pre-Tuned R.F.; 68B as Mod.-Osc.; 697 as F; 67F as A.F.C.; 6106 as Det.-A.V.C.; 6C3 as 1st Audio; 2-6F6 as push-pull 2nd Audio; 2-6F6 as push-pull power output as rectifier. You get the most from each tube.

Chassis Model

Knight II Tube A.C. Superhet

- Automatic Frequency Control. Found only in the most costly radios. AFC shifts the Knight II automatically into hairline tuning for perfect tone. You can't tune in "off tone"—the circuit snaps into perfect tone 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 shrilling, whistling or hissing noises. An ingenious automatic device that makes tuning a real pleasure.

- More Features. Additional features found in the Knight All-Wave II include: Automatic Volume Control for every uniform volume; rubber-floated speaker and genuine Canadian wood; push-pull audio for tremendous 9 watts power; giant-sized auditorium dynamic speaker for broadcast and radio sound quality; double connection, etc.

Console Model

The Knight II is fittedly presented in a magnificent console built to the highest standards. Has richly figured walnut finish, front, sides and back three meters wide, 24 feet deep. Offered complete with all 12 dynamic speaker and genuine R.C.A. tubes for 110 volts, 60 cycles A.C. operation. Shg. wt. 11 lbs. Code: FLASH.

BIOS800, Retail Value $195.00
NET EACH, $85.50
NET PRICE, LOTS OF 10, EACH...

BIOS900, Retail Value $175.00
NET EACH, $65.00
NET PRICE, LOTS OF 10, EACH...

For operation on all voltages from 95 to 260 volts, 25 to 60 cycles, A.C. add $3.65.
RADIO'S FINEST!

WITH ELECTRIC PUSH-BUTTON TUNING.
With the Select-O-Matic Dial

- Electric Tuning
- New A.F.C. Action
- 20 Watts Output
- R.F. on All Bands
- 15" Dynamic Speaker
- 3 Stages of I.F.
- 3 Full Wave Bands
- Full Delayed A.V.C.
- Dual Tone Control
- Bass Amplifier
- High Fidelity
- Beam Power Tubes

Here’s ALLIED’s greatest radio challenge for 1938—a 16 Tube World-Wide Superhet with Electric Push-Button Tuning—with a score of brilliant and exclusive new features—catastrophically reduced! A real power house—unbeatable 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 350 meters. Gives complete coverage of everything that broadcasts today. Tunes 16-31 meters and 31-175 meters for powerful and consistent Short Wave reception, with a range of 175-250 meters for complete coverage of all American and Canadian standard Broadcast programs. The 1938 Knight 16 is Allied’s first and only complete band Superhet.

ELECTRIC TUNING. A 1938 radio miracle. Tunes any preselected favorite stations at the touch of a button—works electronically with the utmost ease and accuracy. No more hand tuning. Just practical automatic tuning device yet developed. You like Electric Push-Button Tuning—just press a button—and there’s your program, whether absolutely last minute! Anyone at any location can easily and quickly adjust the favorite stations desired.

DUAL TONE CONTROL. 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 A.F.C. circuit snips each program into perfect tone anywhere within the broadcasting range. The Automatic Frequency Control does not filter out the unwanted frequencies, but provides an automatic correction of either or both ends of its musical range extending from 30 to 5000 cycles. This dual high-fidelity control will deliever the most critical musical ear because it eliminates the fundamental 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 fidelity, flexibility and tone quality. Two double-tuned I.F. stages are incorporated. Sensitivity is absolute 2 mV. Selectivity is 8 to 10 K.C. at 10 mV. power.

BASS AMPLIFIER. A special, separate bass amplifier is built into the Knight 16. This amplifier handcrafts the bass frequencies exclusively—giving your program the fullest yet delicate sensitivity to the frequencies below the note range. A precision, high-fidelity tone control gives you the broadest range of tone control, from very shallow to the deepest bass.

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 built especially for this system by our laboratory. It is a precision instrument. This new speaker reduces distortion to an absolute minimum! It delivers an absolutely flat frequency response and gives you an exciting new dimension in radio listening! The frequency range is 200 to 4000 cycles.

BASS RESONANCE UNIT. The nearest octave bands are used throughout the R.C.A. design. The Frequency Control is the same as 1938 Knight 16. The R.C.A. design makes this receiver more nearly musical with the highest fidelity tone.

R.F. HYBRID UNIT. The upper octave bands are used throughout the R.C.A. and have the highest fidelity tone. This unit is designed to give maximum sensitivity and output. It is a hybrid circuit which has the advantages of a vacuum tube and a semiconductor. The sensitivity is absolute 2 mV. at 10 mV. power.

CONSOLE MODEL COMPLETE. The 1938 Knight 16 Tube All-Wave Superhet with Electric Tuning complete in console in 16 inch speaker and R.C.A. tubes. For 10 or 15 volts, 60 cycles A.C. Shipping weight 110 lbs. Code: B10525.

KNOB TUBE CHASSIS MODEL

The Knight 16 Tube All-Wave Superhet with Electric Automatic Tuning is also available in the de luxe chassis form illustrated above. Includes all the superb features of the 16 Tube Type. For 10 or 15 volts, 60 cycles A.C. Shipping weight 110 lbs. Code: B80520.

1938 ELECTRIC TUNING

An amazing new feature found only in the finest 1938 receiver! 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 station of your favorate stations this miraculous new way, and you can do it . . . automatically.

NEW A.F.C.

Automatic Frequency Control—used only in the most expensive new radio receivers—automatically shifts the circuit of the Knight 16 into the line with your favorite station. You simply can’t tune "off-tone" with the Knight 16—every station is tuned right to the program, no matter where you are!"
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.

NET PRICE, LOTS OF 1, 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-Call System

9 TUBES WITH THE POWER OF II

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 power, more sensitivity, more width of 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 amateurs, airplane, ship and police signals; and 172 to 355 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.

- 18" SLIDE-RULE DIAL. A new 1938 type full-motion dial 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. Anyone can operate the Knight 9 with perfect ease and accuracy.

- 18 WATT OUTPUT. The high-fidelity, high output audio system used in the Knight 9 circuit employs two 6866 output tubes in a mighty push-pull combination to develop full 18 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.; 6C7 as 1 F. Amp.; 807 as 2nd Det-A.V.C-1st Audio; 8C3 at Phase Inv.; 2-6H6 as P. R. Output; 5V3 as Rectifier; 6G5 is Electro-dynamic Audio Amplifier tube super for uniform maintenance of volume on all programs; new Uni-Call System with separate coils for each band for unusual stability; A.V.C. circuit on Broadcast band for added sensitivity; rubber-cushioned 3 gang condenser with low minimum capacity for extra reproducible 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 contrasting—finished aluminum grille opening. Hand-rubbed to a luxurious piano finish. Measures: 27 1/2 long; 12½ high; 9½ deep.

Glorious Flexing 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 contrasting—finished top trims. 42" high; 24½" wide and 12½" deep.

CONSOLE MODEL

The 1938 Knight 9 is offered complete in the beautiful console illustrated above with full 12-inch Electro-dynamic speaker and Raytheon tubes. Includes all features exactly as described above. An outstanding radio that gets the pace for 1938. For operation from 110 volts, 60 cycles A.C. Shipp. wt., 65 lbs.

Code: FAITH

Retail Value, $55.00

NET PRICE, EACH: $49.95

Lots Of 1, Each: $47.95

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 107, 6L6 and Rectifier tubes in one cabinet. 55 in. top trim, etc. For 110 volts, 60 cycles A.C. Shipp. wt., 15 lbs.

Code: SWEEP

Retail Value, $55.00

NET PRICE, EACH: $29.85

Lots Of 3, Each: $27.95

(for an efficient aerial, see page 99.)
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 15 to 54 Meters for world-wide Short Wave reception; 52 to 56 Meters for Short Wave police, amateur, ships, aircraft and commercial signals; and 174 to 550 Meters for upper police channels and all American and Canadian amateur 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 large regular 4½-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 Teleeye 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.; 6F6 as I.F. Amp.; 76 as Det.-A.V.C.; 75 as 1st Audio; 41 as Audio Output; 80 as Rectifier; 6G5 as 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 easy or extreme emphasis; Automatic Volume Control for uniform volume maintenance; the finest Electro-dynamic speakers (6-inch in table model-7-inch, in console model) for flawless reproduction at any volume level; giant 3-watt undistorted power output for magnificent tonal beauty; rubber-footed tuning condenser and chassis for maximum stability; 6 tuned circuits on each band; double antenna connection, etc. Every one of these features contributes to powerful world-wide reception and radio's rich tonal 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: 19½ x 12½ x 9½. Complete with 6F6 Dynamic Speaker and R.C.A. tubes. Shipping weight, 20 lbs. Code: PRIZE.

$25.85
Your Price, Lots of 3, Each...

**Beautiful 7 Tube Console Model**

The 1938 Knight All-Wave 7 A.C. Superhet in console model, with Automatic Select-o-Dial, complete with 6F6 Speaker and R.C.A. tubes. For operation on 110 volts, 60 cycles, A.C. Shpg. wt. 20 lbs.

$25.85
Your Price, Lots of 3, Each...

Tunes every frequency 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 15 to 54 Meters for world-wide Short Wave reception; 52 to 56 Meters for Short Wave police, amateur, ships, aircraft and commercial signals; and 174 to 550 Meters for upper police channels and all American and Canadian amateur 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 large regular 4½-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 Teleeye 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.; 6F6 as I.F. Amp.; 76 as Det.-A.V.C.; 75 as 1st Audio; 41 as Audio Output; 80 as Rectifier; 6G5 as 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 easy or extreme emphasis; Automatic Volume Control for uniform volume maintenance; the finest Electro-dynamic speakers (6-inch in table model-7-inch, in console model) for flawless reproduction at any volume level; giant 3-watt undistorted power output for magnificent tonal beauty; rubber-footed tuning condenser and chassis for maximum stability; 6 tuned circuits on each band; double antenna connection, etc. Every one of these features contributes to powerful world-wide reception and radio's rich tonal 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: 19½ x 12½ x 9½. Complete with 6F6 Dynamic Speaker and R.C.A. tubes. Shipping weight, 20 lbs. Code: PRIZE.

$25.85
Your Price, Lots of 3, Each...

**Beautiful 7 Tube Console Model**

The 1938 Knight All-Wave 7 A.C. Superhet in console model, with Automatic Select-o-Dial, complete with 6F6 Speaker and R.C.A. tubes. For operation on 110 volts, 60 cycles, A.C. Shpg. wt. 20 lbs.

$25.85
Your Price, Lots of 3, Each...
Knight 6 Tube A.C. Superhet

The Knight 6 Tube All-Wave A.C. Superhet is complete with Raytheon tubes. For operation on 110 volts, 60 cycles, A.C., add $2.85.

**B10500.** The new Knight 6 Tube All-Wave A.C. Superhet, complete with Raytheon tubes.

- **Retail Value.** $47.50
- **Net Each.** $20.75
- **Price, Lots of 3 Each.** $18.50

**ELECTRIC EYE 3 WAVE BANDS TONE CONTROL**

**3 1/2 WATTS OUTPUT**

**NEW 6 INCH DIAL**

**FULL-ACTION A.V.C.**

**6" DYNAMIC SPEAKER**

- **B10500.** The new Knight 6 Tube All-Wave A.C. Superhet is complete with Raytheon tubes.
- **Retail Value.** $47.50
- **Net Each.** $20.75
- **Price, Lots of 3 Each.** $18.50

**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 bands between 52-175 Meters; and long-distance American and Canadian standard broadcast stations between 175-555 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 large wound coils and special wave-land switch make for maximum tuning efficiency.

- **6 1/2" DYNAMIC SPEAKER.** The oversized heavy-duty Electric dynamic speaker used in the Knight 6 faithfully handles the full 3 1/2 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 3 1/2 watts output from its perfected R.C.A. and Hazeltine licensed Superhet circuit. Latest Raytheon tubes are used: 6A8 as Distac, 6X4 as J.F. Amp., 6Q7 as 2nd Det. A.V.C., 6H4 as Power Output, 41 as Rectifier. 6Q5 in Electric Eye. This fine 1938 circuit actually develops 8 tube efficiency.

- **TONE CONTROL.** Continuously Variable Tone Control is incorporated in the new Knight 6 and 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. Receiver has such vital and realistic tone quality that a Radio reviewer has suggested it be offered in radio at such a modest price.

- **FULL A.V.C.** Maintains constant volume level, prevents fading on Short-Wave signals and buzzing on local stations. Has rubber-plated 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 chrome grillwork design. Measures 19 1/4" x 11 3/4" x 10 1/2".

- **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., add $2.85.

- **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 grainy walnut. Gracefully curved shelves are useful as well as decorative. The Armchair Model measures 26 1/2" high, 17 1/2" wide, 13 1/2" deep. Complete Knight 6 Tube A.C. 1 Band Armchair Superhet with all features as described above: with 617 dynamic speaker and Raytheon tubes. Shipping weight, 41 lbs.

**Code: PLANE.**

B10500. Retail Value. $47.50

**Net Each.** $20.75

**Price, Lots of 3 Each.** $18.50

**"Entire Contents Copyrighted, 1937, by ALLIED RADIO CORP, Printed in U.S.A."**
ALLIED opens the 1938 Radio Season with a real Smash Hit—new Dual-Wave Knight 7 Tube A.C. Superhet that's literally packed with value. Here's the radio treasure for 1938—rich in the latest practical features, unmatched at the price for strong power and wide distance reach, distinguished for its generously full true tone and its 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 150 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 256 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 highest-priced sets. It's a real contribution to tuning ease.

* BEAUTIFUL EDGE-LIGHTED DIAL. Latest 1938 type! Easy-to-read, attractive in appearance which is fully illuminated from the sides. All legible scales are indicated, the upper calibrated in kilocycles for standard Broadcast tuning, the lower marked in megacycles for Short Wave tuning. The important Short Wave channels are plainly designated. You will like this practical, attractive radio dial.

* 6 INCH DYNAMIC SPEAKER. A full-sized punch 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 stunning 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 in 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.

* 1318 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: 6AK7 as Mod-Dec; 6AK7 as I.F. Amp.; 76 as Dec.; A.C. 75 as 1st Audio; 41 as Audio Output; 80 as Rectifier; 634 is Electric Eye. Other features include: Automatic Volume Control to maintain uniform volume, rubber-floating 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 17x10x9 inches.

* A $4.00 VALUE. The Knight 7 Dual-Wave is offered in the new and beautiful cabinet illustrated above complete with R.C.A. tubes. For operation on 110 volts, 60 cycles A.C. Code: CROWN.

Retail value $10.00. NET PRICE EACH, $11.95. YOUR PRICE LOTS OF 1, EACH... $17.95. NET PRICE EACH, $12.95. YOUR PRICE LOTS OF 1, EACH... $18.95. NET PRICE EACH, $13.95. YOUR PRICE LOTS OF 1, EACH... $19.95. NET PRICE EACH, $14.95. YOUR PRICE LOTS OF 1, EACH... $21.95. NET PRICE EACH, $15.95. YOUR PRICE LOTS OF 1, EACH... $23.95. NET PRICE EACH, $16.95. YOUR PRICE LOTS OF 1, EACH... $25.95... NET PRICE EACH, $17.95.

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 convenience 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, 11 3/4" wide. Complete with 8" Speaker and R.C.A. tubes. Shipping weight, 33 lbs. Code: CHAIR. B10560: Retail Value, $62.50. NET PRICE EACH, $55.00. YOUR PRICE LOTS OF 1, EACH... $65.00. NET PRICE EACH, $57.50. YOUR PRICE LOTS OF 1, EACH... $67.50. NET PRICE EACH, $59.50. YOUR PRICE LOTS OF 1, EACH... $69.50. NET PRICE EACH, $61.50. YOUR PRICE LOTS OF 1, EACH... $71.50... NET PRICE EACH, $63.50.