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America's
LOWEST PRICED
19 TUBE RADIO
SEE PAGE 9

RADIO'S *Greatest* VALUES

1937

EVERYTHING
IN RADIO
FASTER SERVICE
LOWER PRICES
FINEST LINES
HUGE STOCKS

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

1937 Knight RADIOS GIVE YOU MORE FOR YOUR MONEY

Guarantee..

Any KNIGHT Radio that does not satisfy completely, if returned within 10 days after purchase, will be promptly adjusted by exchange, repair, or full refund, less transportation charges. Furthermore every KNIGHT Radio is also covered by the Radio Manufacturers' Association Guarantee against defects in materials or workmanship over a period of three months from date of purchase.

—Allied Radio Corporation

NEVER BEFORE HAS YOUR RADIO DOLLAR BEEN ABLE TO BUY SO MUCH

Today, KNIGHT Radios give you more for your money than ever before: more brilliant performance, finer tone, greater beauty, more exclusive features—features that you will find only in much higher priced sets. Every KNIGHT set is built of the finest materials by expert craftsmen. Only because of our vast resources and tremendous purchasing power are we able to offer these quality radios at such money-saving prices. Because we sell for cash, we eliminate the heavy overhead expenses involved in other more costly merchandising methods; these economies we pass on to you. Furthermore, KNIGHT Radios are backed by ALLIED'S long-standing reputation as "Radio's Most Reliable Supply House"—Every KNIGHT is fully covered by ALLIED'S liberal guarantee.

QUALITY IS BUILT INTO EACH KNIGHT RADIO

No expense has been spared to make the new 1937 KNIGHT Radios the finest we have ever offered—their built-in quality is apparent at a glance. Each part has been carefully selected, matched, and pre-tested for durability and efficient performance. As each set comes off the production line, it is subjected to rigid tests for sensitivity, tone quality, and all-round performance. In addition, every KNIGHT Radio is licensed under R.C.A. and Hazeltine patents, so that you receive the full benefit of the newest engineering developments from these great laboratories.

ALL Knight RADIOS ARE RCA AND HAZELTINE LICENSED

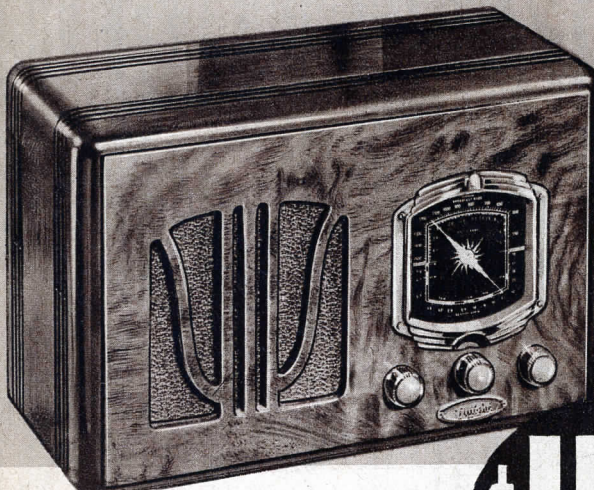
EXCLUSIVE FEATURES

1937 KNIGHT Receivers incorporate Radio's latest developments. New, exclusive features include giant Magna-span dial, Electric Eye, perfect Metal Tubes, Vita-Tone speaker, Fly-Wheel Tuner, Visual Wave-Band Indicator—all making for greater radio enjoyment.

WE SAVE YOU MONEY because WE SELL FOR CASH

PERFORMANCE—BEAUTY

Performance and beauty are the keynotes of the 1937 KNIGHT Radios: reliable, efficient, brilliant performance that has made thousands of satisfied customers; incomparable beauty in cabinet design that makes every KNIGHT owner proud of his set.



Knight **5 TUBE**
Dual Wave
AC-DC

58-132
175-556 METERS

- TUNES TWO BANDS
- DYNAMIC SPEAKER
- LARGE AIRPLANE DIAL
- GENUINE R.C.A. TUBES
- NEWEST CIRCUIT
- PLAYS ANYWHERE

This attractive new Knight 5 Tube A.C.-D.C. receiver tunes two bands for enjoyable Short-Wave and standard Broadcast programs. Covers 58-132 meters for Police, Amateur, and Airplane calls, and 175 to 556 meters for strong standard Broadcast reception. The new R.C.A. and Hazeltine licensed T.R.F. circuit develops plenty of power, excellent sensitivity, and good selectivity. The large, easy-to-read 4" illuminated airplane dial is designed for quick, accurate tuning on both bands. Pleasing tonal quality is obtained through a full-sized 5" electro-dynamic speaker. A surprising amount of power is developed by the 43 Pentode Power output tube; the other newest genuine R.C.A. tubes are employed as follows: 1-6D6 as R.F., 1-6C6 as Det., 1-25Z5 as Rectifier, and 1-L55B as voltage regulator. The Knight 5 Tube Dual-Wave A.C.-D.C. performs equally well on 105-120 volts A.C. or D.C. 40 to 60 cycles, or on 210-230 volts 40 to 60 cycles A.C. or D.C. with adapter listed below at left. Built-in voltage-regulator eliminates heater cord. May easily be carried from room to room and will play instantly wherever 110 volt current is available.

\$11.65
WITH R.C.A. TUBES

ATTRACTIVE CABINET

The new Knight 5 Tube Dual-Wave A.C.-D.C. is offered in a graceful compact cabinet of latest design. Measures 6½" in depth, 12" in width, and 8" in height. Front panel is of beautiful burl walnut; speaker grille has pleasing lyre-shaped effect. Compact, portable, the Knight A.C.-D.C. 5 may be played from any 110 volt line.

220 VOLT ADAPTER

Permits the operation of the Knight A.C.-D.C. 5 on 210-230 Volts, 40-60 cycle A.C. or D.C.
A9145. List, \$1.50. NET.....73c

SET COMPLETE

The Knight 5 Tube Dual-Wave A.C.-D.C. is offered complete in the handsome cabinet described at the left, with 1-6D6, 1-6C6, 1-43, and 1-25Z5, genuine R.C.A. tubes, and 1-L55B. For operation on 110 volts A.C. or D.C. 40 to 60 cycles. Shpg. wt., 9 lbs. Code: PLAY.
A9825.
Retail Value, \$22.50.
YOUR PRICE **\$11.65**

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Printed in U. S. A.

OUTSTANDING VALUES IN

Knight 6 TUBE

Dual Wave
AC-DC
SUPERHET

43-150
175-550 METERS

- 5½" AIRPLANE DIAL
- FULL A.V.C.
- 6" DYNAMIC SPEAKER
- TWO FULL BANDS
- NEWEST TUBES
- TUNES 49 METER BAND

The Knight 6 Tube Dual-Wave A.C.-D.C. Superhet is a smartly styled, sturdily built receiver, embodying refinements that make it equal in performance to many 7 and 8 tube sets of other makes. It tunes from 43 to 150 meters for excellent coverage of Short Wave Amateur, Police, and Aviation calls, as well as the popular 49 meter band for foreign stations; and from 175 to 550 meters for long distance standard American and Canadian Broadcast programs. Gives actual 3 band utility. Uses an easy-to-read 5½" black airplane dial which is accurately calibrated in kilocycles and attractively illuminated. The heavy-duty 6" dynamic speaker handles the strong, full volume output without distortion so that every program is clearly heard, with rich, full tone.

THREE BAND UTILITY

The full tuning range of the Knight 6 A.C.-D.C. covers not only distant standard Broadcast stations and Short-Wave Amateur, Police, and Aircraft signals, but actually brings in foreign stations on the live 49 meter band. This gives you the advantages of three-band reception—and at an extraordinary price. Other features are: Automatic volume control to stabilize volume level; Advanced R.C.A. and Hazeltine licensed superhet circuit with rubber-floated condenser and 8 tuned circuits for maximum selectivity and sensitivity; newest multi-purpose tubes: 1-6A7 1st Det. and Osc., 1-6D6 I.F. amplifier, 1-75 Diode Det.-A.V.C.-1st Audio, 1-43 Pentode output, 1-25Z5 Rectifier, and 1-49B Metal Ballast tube. The Knight 6 is the ideal all-around A.C.-D.C. performer. It operates perfectly on 110 Volts A.C. or D.C., 40 or 60 cycles, and may also be used on 220 Volts with adapter listed below. Has plenty of controlled power and is extremely easy to tune. At our attractive price, this versatile receiver is one of today's finest radio values.



RCA & HAZELTINE LICENSED

BEAUTIFUL LAY-DOWN CABINET

The Knight A.C.-D.C. Dual-Wave 6 is fittingly housed in a modern lay-down cabinet of handsome design. Top and front panel are of one piece selected vertically striped grain walnut. Speaker grille and dial opening are in complete harmony of design and are finished in pleasingly contrasting darker tone. End panels are of selected red gumwood and recessed for pilaster effect. Cabinet measures 15½" wide, 9" high, and 7" deep.

3-BAND EFFICIENCY FOREIGN RECEPTION

\$15.45
WITH RAYTHEON TUBES

SET COMPLETE

The Knight Dual Wave A.C.-D.C. 6 is offered complete with 1-6D6, 1-6A7, 1-75, 1-43, 1-25Z5, and 1-49B Raytheon tubes. For operation on 110 Volts, 40-60 cycles, A.C. or D.C. Code: BAND. Shpg. wt., 13½ lbs.
A9351. Retail Value, \$32.50.
YOUR PRICE **\$15.45**

220 VOLT ADAPTER

Permits the operation of the Knight Dual-Wave A.C.-D.C. 6 from 220 Volts, A.C. or D.C.
A9145. List, \$1.50. NET. **73c**

Knight 5 TUBE

AC-DC
75-550 METERS

- DUAL-WAVE TUNING
- BIG AIRPLANE DIAL
- 5" DYNAMIC SPEAKER
- BUILT-IN AERIAL
- LATEST TUBES
- PLAYS ANYWHERE

Here is an effectively designed compact 5 Tube A.C.-D.C. receiver covering two bands: 75 to 175 meters for Short-Wave Police, Amateur, and Aircraft signals; and 175 to 550 meters for strong standard Broadcast American and Canadian reception. Built to operate on any 110 volt line, A.C. or D.C., 40 to 60 cycles. (May also be used on 220 Volts, A.C. or D.C. with adapter listed below.) Ideal as a personal or "spare" receiver as it is easily portable and will play perfectly wherever 110 Volt current is available. Features especially attractive colored 4½" illuminated airplane dial, accurately calibrated in kilocycles. Exceptionally easy-to-read; tuning on both standard Broadcast and Short-Wave is simplified since tuning ranges are clearly indicated. Newest R.C.A. and Hazeltine licensed T.R.F. circuit assures competent performance. Litz-wound high-gain coils are used. The Knight 5 Tube Dual-Wave A.C.-D.C. is supplied complete with built-in aerial for extra convenience, and with the latest Raytheon tubes. Presented in an attractively designed compact cabinet measuring only 10"x7½"x6½". Front panel is pleasingly grained and matched, while speaker grille is cut out on side with speaker mounted for best tonal response.

SET COMPLETE

The Knight 5 Tube 2 Band receiver for 110 Volts A.C.-D.C. 40-60 cycles operation, complete with 1-6D6, 1-6C6, 1-43, 1-25Z5, and 1-149C Raytheon tubes. Shipping wt., 9 lbs.
Code: B00K. **\$9.95**
A9803. Retail Value, \$19.95. NET. **\$9.60**
IN LOTS OF THREE, EACH.....



R.C.A. & HAZELTINE LICENSED

CARRYING CASE

For the Knight 5 Tube A.C.-D.C. or any set not larger than 10"x7½"x6½".
A9149. List, \$2.25. **\$1.15**
NET.....

220 VOLT ADAPTER

For operation of the Knight 5 A.C.-D.C. from 220 Volts A.C. or D.C.
A9145. List, \$1.50. NET. **73c**

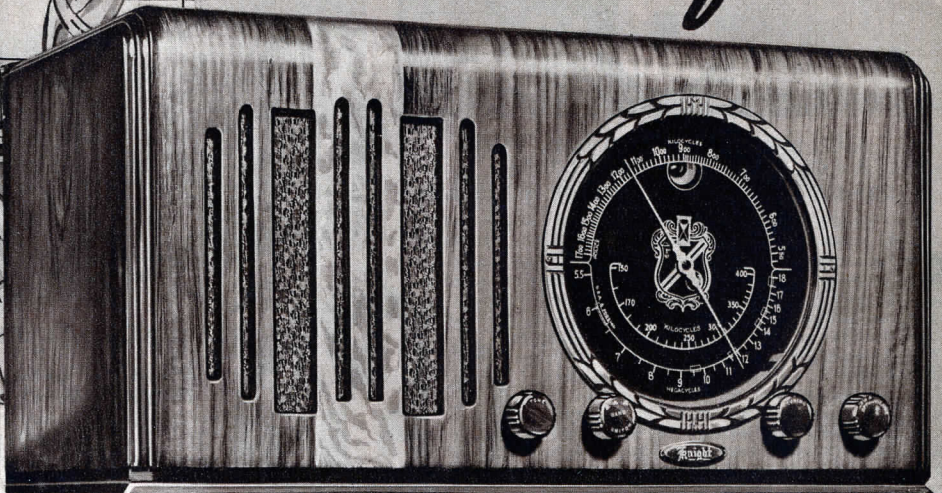
\$9.95
WITH RAYTHEON TUBES

DEPENDABLE AC-DC RADIOS

Never Before.



GIANT DIAL
ELECTRIC EYE
JENSEN SPEAKER



R.C.A. & HAZELTINE LICENSED

Knight 6 TUBE A-C SUPERHET

The Knight 6 Tube All-Wave Superhet in laydown cabinet shown above. Complete with 6" speaker and Raytheon tubes. For 110 volts, 60 cycle A.C. (Can also be supplied with universal power transformer for 115-130-150-220 volts at \$2.00 additional.) Shpd. wt., 22 lbs. Code: HELP.

Retail Value, \$49.95.

A9848. YOUR PRICE

\$25⁴⁵

Never before has there been a 6 Tube All Wave A.C. Superhet like this new 1937 Knight—packed with so many features and offered at so low a price. Built to provide powerful world-wide performance from 17 to 555 meters with superb quality of tone. The efficiently engineered Superhet chassis, full rubber-floated, is offered in the beautiful lay-down cabinet pictured above. Styled up-to-the minute, with front and top of one piece exquisitely-grained vertically-figured walnut. Contrasting two-tone strip runs through speaker grille center. Supplied with 6" electro-dynamic speaker. Entire cabinet is hand-rubbed to a high piano finish. Measures 19 1/2" long, 11 1/2" high, and 10" deep.

- 3 FULL WAVE BANDS
- GIANT 6" DIAL
- "ELECTRIC EYE"
- ELECTRO-DYNAMIC SPEAKER
- EFFECTIVE A.V.C.
- VARIABLE TONE CONTROL
- 3 WATTS OUTPUT

• **ENJOYABLE WORLD-WIDE TUNING.** The Knight 6 offers All-Wave tuning from 17-555 meters, 16 to 55 and 55 to 175 for thoroughly dependable Foreign short-wave and Amateur, Airplane, Police calls; 175 to 555 meters for powerful coast-to-coast American and Canadian standard Broadcast. Has oversize 6" three-colored, dual-illuminated airplane dial, accurately calibrated in kilocycles with individual color for each wave band. Features new Electric Eye built into the dial to assure precise, convenient tuning.

• **POWERFUL SUPERHET CIRCUIT.** Licensed by R. C. A.; has every deluxe feature: chassis is rubber-floated. Has 3-gang rubber-mounted tuning condenser, full A.V.C., pre-selector, continuously variable Tone Control, extra-large I.F. transformers, individual coils for each wave band, 11 tuned circuits. Six of the newest Raytheon multi-function tubes are used: 1—8A7 as Mixer and Osc., 1—6K7 as I.F., 1—6Q7 as Det.-1st Audio, 1—6B5 as Power Output, 1—80 as Rectifier, 1—6G5 as Electric Eye.

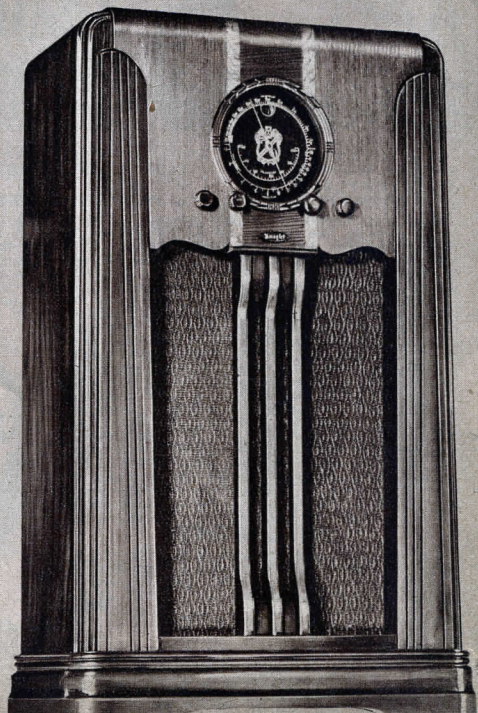
• **GLORIOUS, RICH TONE.** The 6B5 power tube develops 3 full watts of undistorted power which is capably handled by the matched Jensen 6" electro-dynamic speaker in the table model and 12" speaker in the console. Whether voice or music, foreign or standard Broadcast, each sound is rich and full-bodied, recreating for you all the vitality and realism of the broadcasting studio. You'll thrill to the superb tone quality of the Knight 6.

• **KEEN SELECTIVITY AND SENSITIVITY** are assured by careful designing and assembling. The preselector stage sharpens tuning and increases selectivity. Automatic Volume control maintains smooth, constant flow of sound; continuously variable Tone Control permits accentuation of treble or bass to suit individual tastes. A world of radio entertainment awaits you with this new Knight 6. It is a fine musical instrument, priced unbelievably low.

BEAUTIFUL NEW CONSOLE MODEL

The Knight All-Wave A.C. 6 is also offered in the magnificent console shown at the right. Splendidly proportioned, it features newest taper and roll-top design with attractive shaped pilasters flanking a rich instrument panel of vertically striped walnut. Has contrasting horizontally-grained center stripe with smart inlay trim. Hand-rubbed to lustrous piano finish. Supplied with 12" dynamic speaker. Console measures 38"x22"x12".

Console complete with 12" speaker and 6 multi-purpose Raytheon tubes. Shipping weight, 55 lbs. For 110 volts 60 cycle A.C. (May also be had with transformer for 115-130-150-220 volts, 60 cycle A.C. at \$2.00 additional.) Code: SEED. **\$33⁹⁵** Retail Value, \$67.50. **A9849. YOUR PRICE**



WORLD-WIDE: 17-555 METERS

SUCH RADIO VALUES



**WORLD-
WIDE
All-Wave
RANGE**

R.C.A. & HAZELTINE LICENSED

Knight 7 TUBE AC-DC SUPERHET

The Knight All-Wave 7 tube A.C.-D.C. Superhet in the attractive table cabinet shown above, complete with Raytheon tubes. For 110 Volts A.C. or D.C., 40 to 60 cycle operation. Shpg. wt., 19 lbs. Code: **HAND.**

A9805. Retail Value, \$39.95.

YOUR PRICE

\$20⁸⁵

The Knight 7 Tube A.C.-D.C. All-Wave Superhet is a brilliantly engineered receiver designed for sparkling All-Wave performance with superlative quality of tone. It makes use of the newest developments in radio to achieve unparalleled power, knife-edge selectivity and keen sensitivity. The table model is beautifully styled in a modern motif; it has the new roll-top effect, with front panel and top of one piece vertically-grained walnut. The striking beauty of this set is further enhanced by the smart marquetry inlay running through the speaker grille. The size is 19"x8"x10". The Knight A.C.-D.C. 7 is a full-sized set, yet it fits harmoniously on table, desk or mantel. Packed with the latest refinements, loaded with advanced

EXPORT MODEL
Same as A9805, but tunes 17-52, 172-555 and 800 to 2000 meters. Code: **SIDE.**
A9805E. Retail Value, \$42.00.
NET..... \$22.10

features, this Knight 7 Tube A.C.-D.C. All-Wave Superhet is a typical ALLIED value, featuring high quality and superb 110 Volt A.C. or D.C. performance at a remarkably low price.

- **WORKS ON 110 VOLTS A.C. or D.C.**
- **TUNES 3 FULL BANDS**
- **FULL DYNAMIC SPEAKER**
- **AUT. VOLUME CONTROL**
- **10 TUNED CIRCUITS**
- **CONTINUOUS ALL-WAVE OPERATION:** Outstanding radio reception from everywhere is yours with the Knight All-Wave A.C.-D.C. 7. It tunes 17 to 52 and 52 to 172 meters for fascinating foreign and domestic short wave programs, and 172 to 555 meters for enjoyable American and Canadian standard Broadcast reception.
- **SPLENDID LIFE-LIKE TONE;** Full, rich tone is assured by the 6½" concert speaker in the table model and the oversized 8" speaker in the console. Every tone, every note, is brought in with vibrant reality. The superb tonal beauty of the Knight 7 tube A.C.-D.C. reproduces all programs with matchless clarity in your own home.
- **PRACTICAL VERSATILITY:** The Knight 7 will play anywhere. It performs equally well on either 110 Volts A.C. or D.C., 40 to 60 cycles. For 220 Volts A.C. or D.C. use line cord listed below.
- **BEAUTIFUL TRI-COLOR DIAL:** An added feature is the attractively-colored, fully illuminated airplane dial. Individual coloring for each wave band and accurate, easy-to-read calibrations make tuning quick and enjoyable. The table model is equipped with a 6" dial; the console model with an 8" dial.
- **NEWEST RCA LICENSED CIRCUIT:** The Knight 7 A.C.-D.C. incorporates one of the most advanced superheterodyne circuits licensed by the famous RCA and Hazeltine laboratories. It uses 7 of the latest Raytheon tubes as follows: 1—6A7 as Det. Osc., 1—6D6 as I.F., 1—76 as 2nd Det.-A.V.C., 1—6F5 as Audio, 1—43 as Power Output, 1—2G5 as Rectifier, and 1—L408 as Ballast Tube. Other quality features are full A.V.C., continuously variable Tone Control, separate coils on each band, rubber-floated condenser, etc.

7 TUBE AC-DC CONSOLE MODEL

The Knight 7 Tube All-Wave A.C.-D.C. Superhet in console model, is offered complete with 8" dynamic speaker and Raytheon Tubes. For operation on 110 Volts A.C. or D.C. 40 to 60 cycles. Shpg. wt., 55 lbs. Code: **LAKE.**

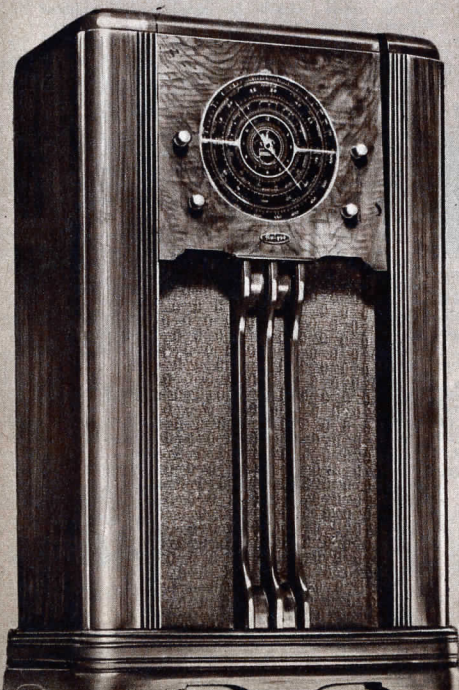
A9806. Retail Value, \$64.50.

YOUR PRICE

\$31⁹⁵

EXPORT MODEL
Same as A9806, but with meter range of 17 to 52, 172 to 555 and 800 to 2000. Code: **TRIM.**
A9806E. Retail Value, \$67.00.
NET..... \$33.20

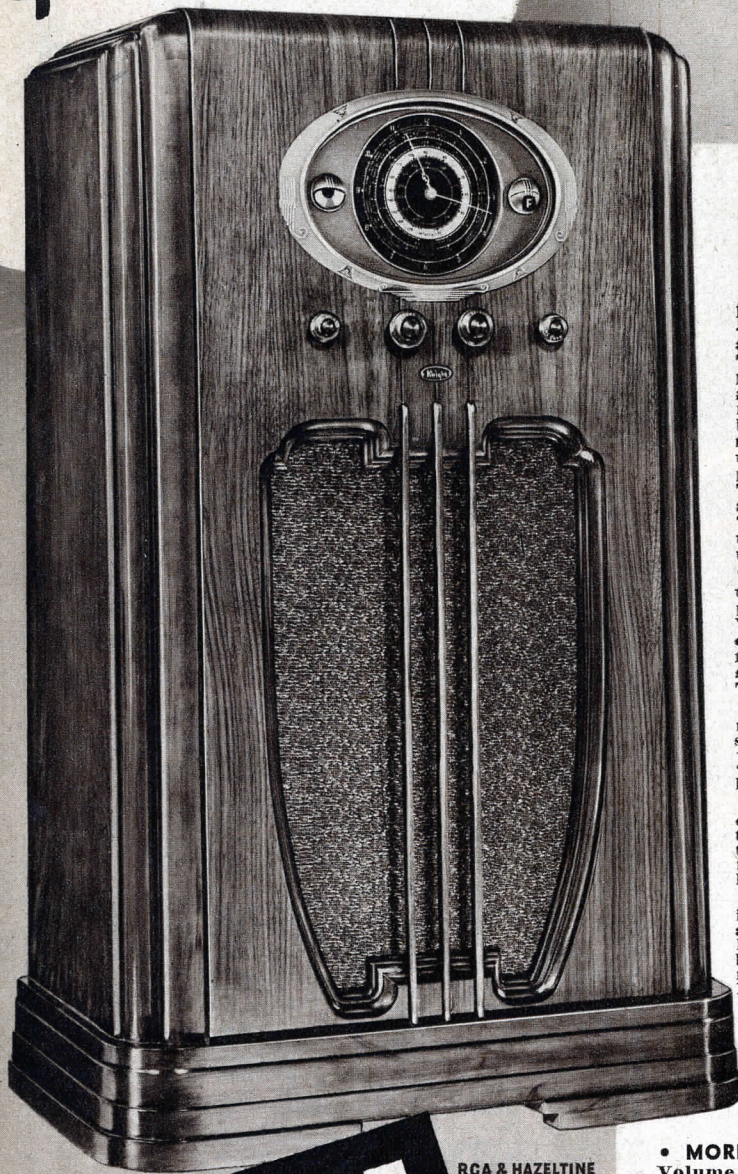
A9145. 220 Volt Adapter. For operating the Knight 7 tube A.C.-D.C. from 220 Volts A.C. or D.C. **NET 73c**



3 FULL BANDS: 17-555 METERS

A SMASHING HIT!

NEW *Knight* 11 TUBE



R.C.A. METAL TUBES



TUNES THE WORLD

- COVERS 16.4 TO 550 METERS
- WITH VISUAL ELECTRIC EYE
- NEW WAVE BAND INDICATOR
- "FLY-WHEEL" TUNING
- "TELL-TIME" DIAL SCALE

A new 11 Tube Knight A.C. Superhet. Packed with features—packed with value—radio's greatest buy in years—offered as a sensational "Leader" by ALLIED. This marvelous new Knight 11 Tube Superhet with metal tubes gives an altogether new and thrilling kind of radio reception, featuring easy tuning, three band world-wide coverage and high fidelity tonal reproduction. No other 11 tube radio has so many features at the price, so much quality and so much value. The Knight 11 Tube 3 Band Superhet should not be confused with receivers of "skimpy" design and construction. It is the one eleven tube set on the market that literally has everything.

• **TUNES 3 FULL BANDS.** Brings you the world—international Short Wave programs on 16.4 to 55 meters—Short Wave, Amateur, Police, Aircraft and Ship channels on 55 to 180 meters, and powerful coast-to-coast American and Canadian standard Broadcast on 180 to 550 meters. Tunes powerfully, sharply, dependably.

• **NEW 11" MAGNA-SPAN DIAL.** Radio's most amazing dial—with every new and exclusive device for simplified tuning—Electric Eye, visual Wave-Band Indicator, fly-wheel dialing, "tell-time" tuning, with minute-hand station selector, etc.

• **METAL TUBE CIRCUIT.** Powerful, super-efficient—R.C.A. and Hazeltine licensed. Every tube works; every tube contributes to develop the amazing power, keen selectivity and high-fidelity tone which is consistently evident in Knight 11 performance.

• **BEAUTIFUL CONSOLE.** The Knight 11 is presented in a new rolled-top console with front and top of one piece vertically-stripped walnut. Has attractive rounded, shaped pilasters and beautiful Roman-lyre shaped grille. Style finds a new, rich expression in this gorgeous console. Dimensions: 39 1/2" high, 23 1/4" wide, 13 1/4" deep.

• **NEW VITA-TONE SPEAKER.** Full giant 12 inch size. More sensitive, more powerful, more faithful—the secret of the full rich tone-depth of Knight 11 performance.

• **7 WATTS OUTPUT.** The use of 2-6F6 metal tubes in a mighty power output stage, develops a pure undistorted output of seven watts, which is splendidly reflected in the flawless, rich tonal depth of the Knight 11.

• **MORE FEATURES.** Full-action Automatic Volume Control; Continuously Variable Tone Control; 3 gang rubber-floated condenser; 16 tuned circuits; R.F. Pre-amplifier; 1 Mv. sensitivity; 8 K.C. selectivity, etc.

CONSOLE MODEL COMPLETE

The Knight 11 Tube, 3 Band Superhet is offered complete in the beautiful console cabinet illustrated, with full 12 inch Vita-Tone Dynamic Speaker and 3-6K7, 1-6A8, 1-6H6, 2-6C5, 2-6F6, 1-5Z3 genuine R.C.A. Metal Tubes and 1-6G5 R.C.A. "Electric Eye" tube. For operation on 110 Volts, 60 cycles, A.C. Shipping wt., 75 lbs. Code: GOLD.

A9854. Retail Value, \$89.50. **\$46.45**
YOUR PRICE

EXPORT MODEL

The Knight 11 Console Model, as described above but with special universal transformer for operation on 115, 130, 150, 230, 250 Volts, 40-60 cycles, A.C. Shipping wt., 75 lbs. Code: KNOW. A9854E. Retail Value, \$94.50. **\$49.45**
YOUR PRICE

RCA & HAZELTINE LICENSED

\$46.45
COMPLETE WITH R.C.A. METAL TUBES

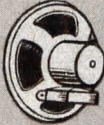
WORLD-WIDE AC SUPERHET

EXCLUSIVE!

FIVE



FEATURES



POWERFUL NEW
VITA-TONE
12" SPEAKER

11" MAGNA-SPAN DIAL

- FULL A.V.C. • VARIABLE TONE CONTROL
- R.F. PRE-AMPLIFIER • 3 GANG CONDENSER
- 7 WATTS POWER OUTPUT • PHONO JACK
- 16 TUNED CIRCUITS • NEW METAL TUBES
- GIANT 12" VITA-TONE SPEAKER

The Knight 11 Tube, 3 Band A. C. Superhet with 11 inch Magna-Span Dial and Metal Tubes is a wonderful combination of value, beauty and powerful performance. Packed with more advantageous features than can be found in any other eleven tube set built today. The Knight 11 gives complete mastery of everything on the air. Tunes 16.4 to 55 meters and 55 to 180 meters for all foreign, Amateur, Aircraft, Police and Ship broadcasts. Tunes powerful standard American and Canadian Broadcast between 180 and 550 meters. The Knight 11 is dependable and consistent because it embodies radio's finest tuning system, quality components and skilled workmanship. Never before in radio history has an 11 tube receiver of such superior quality been sold at so low a price.

A POWERFUL METAL TUBE CIRCUIT

The R. C. A. and Hazeltine licensed circuit of the new Knight 11 Tube A.C. Superhet is a real revelation in vast power, excellent sensitivity and selectivity, and rich high-fidelity tone. The latest genuine R.C.A. metal tubes are used with exceptional efficiency as follows: 6K7 as R.F. Pre-Amp.; 6A8 as 1st Det.-Osc.; 6K7 as 1st I.F.; 6K7 as 2nd I.F.; 6H6 as Diode Det. and A.V.C.; 6C5 as phase inverter; 6C5 as 1st Audio; 2-6F6 as powerful push-pull power output stage; 5Z3 as rectifier. A 6G5 tube is used as "Electric Eye." A full 7 watt output is achieved by the mighty push-pull 6F6 metal power output stage. This enormous power is ably handled by the powerful tone-sensitive 12 inch Vita-Tone Dynamic Speaker. The use of the new metal tubes increases sensitivity and

gives better distance results, especially on the Short Wave channels; these tubes are perfectly self-shielding and are more quiet and stable in operation. They actually develop 13 tube efficiency by multi-function performance. The heavy-duty 3 gang condenser, R.F. pre-amplifier and 16 tuned circuits, assure uniformly powerful and dependable performance on each band. Full-acting Automatic Volume Control means freedom from fading and distortion. Continuous Variable Tone Control permits the correct adjustment of tonal response to bass or treble emphasis as desired. A phono jack is also provided. Every new and advantageous radio development has been incorporated in the circuit design of the magnificent Knight 11 to make it the finest eleven tube radio value ever offered.

KNIGHT 11 TUBE CHASSIS MODEL

The Knight 11 Tube A.C. Superhet is offered also in de luxe chassis form. Supplied with giant 12" Vita-Tone dynamic speaker. Complete with 3-6K7, 1-6A8, 1-6H6, 2-6C5, 2-6F6, 1-5Z3 and 1-6G5 genuine R.C.A. tubes. For 110 Volts, 60 cycles, A.C. Shipping wt. 38 lbs. Code: GAIN.

A9852.
Retail Value, \$72.50.
YOUR PRICE.....

\$35.95

EXPORT MODEL

The Knight 11 Tube Chassis as described above, but with special universal transformer for operation on 115, 130, 150, 230 and 250 volts, 40-60 cycles, A.C. Shipping wt., 39 lbs. Code: FORM.

A9852E.
Retail Value, \$77.50.
YOUR PRICE.....

\$38.95

NO OTHER
RADIO
OFFERS
SO MUCH
VALUE

ELECTRIC TUNING EYE

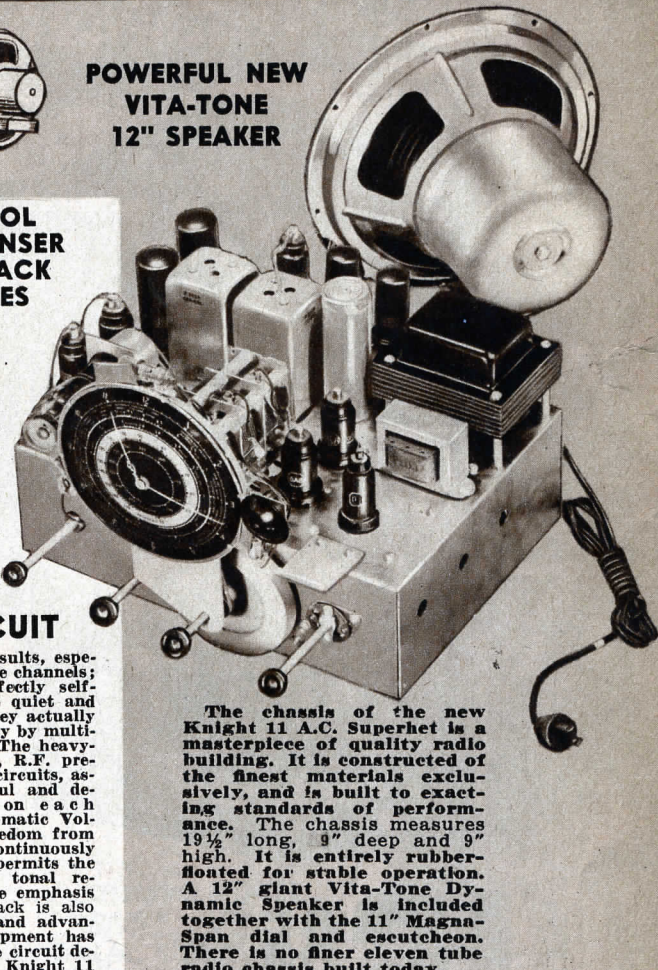
Contributes to perfect visual station finding. You tune with the eye as well as the ear. The "Electric Eye" is located on the left side of the 11" Magna-span dial. It is actually a cathode ray tube which permits you to see when you are tuned in perfectly. This eye glows with a soft green light. A dark sector extending downward from the dark eye center, narrows as you tune in stations; when this sector is narrowest it indicates that you have tuned the station in perfectly for best tonal reproduction. The "Electric Eye" works effectively on all signals, weak or

FLYWHEEL TUNING

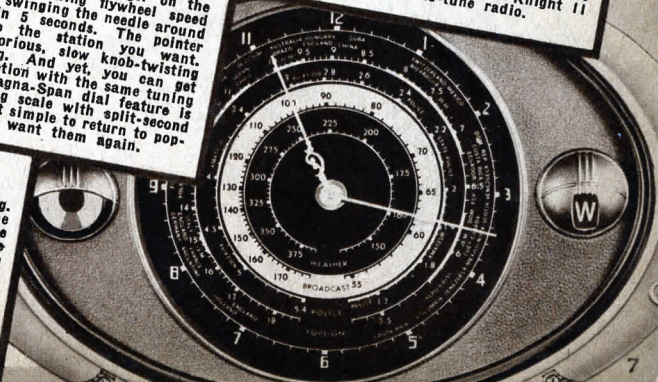
A marvelous new tuning feature which makes quick and exact station logging possible. Permits the station selector to be turned fast or slow as desired. A flick of the finger on the multiplier knob sets the spinning flywheel speed of dial scale in 5 seconds. The pointer actually "coasts" to the station you want. There is no more laborious, slow knob-twisting with Flywheel Dialing. And yet, you can get the "Tell-Time" tuning scale with the same tuning locator which makes it simple to return to popular stations when you want them again.

WAVE-BAND INDICATOR

An automatic wave-band indicator is incorporated in the exclusive Knight Magna-Span dial. It shows the band in use at a glance. An outstanding new feature of radio's most magnificent tuning system. The Magna-Span Dial is always easy-to-tune and easy-to-read. There are no complicated calibrations—no concentric circles and are arranged in four kilocycles and megacycles. All calibrations in gold letters against a rich royal blue background. Names of foreign countries are clearly indicated and popular channels are marked for quick reference. The Knight 11 is the world's easiest-to-tune radio.



The chassis of the new Knight 11 A.C. Superhet is a masterpiece of quality radio building. It is constructed of the finest materials exclusively, and is built to exacting standards of performance. The chassis measures 19 1/2" long, 9" deep and 9" high. It is entirely rubber-floated for stable operation. A 12" giant Vita-Tone Dynamic Speaker is included together with the 11" Magna-Span dial and eleventh tube radio chassis built today.



3 FULL BANDS

The Knight 5 tunes 17 to 52 Meters for foreign and domestic Short Wave; 52 to 172 Meters for police, aviation and amateur 'phone signals; 172 to 555 for all American and Canadian standard Broadcast. Tunes everything that goes on the air.

6 INCH DIAL

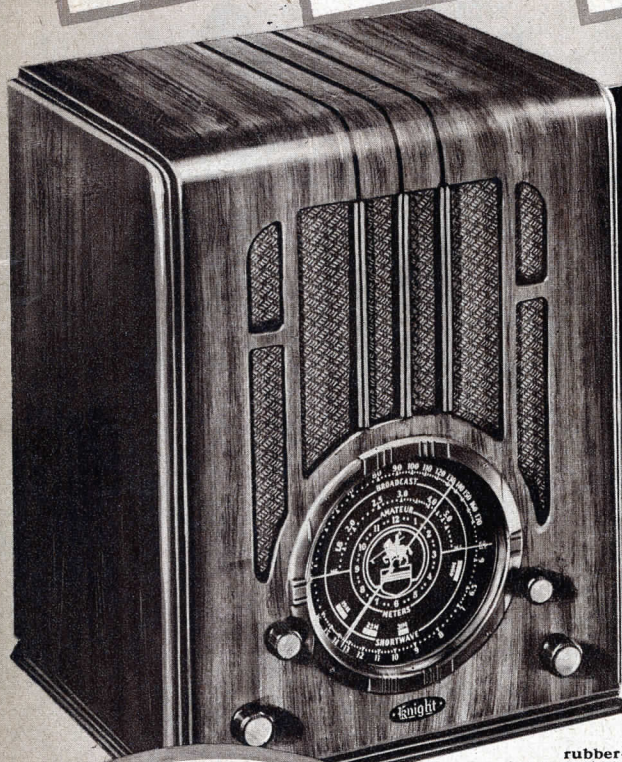
Each band is individually colored and fully illuminated. Has three scales: upper is calibrated in kilocycles for Broadcast band reception; two lower scales are calibrated in megacycles for tuning foreign and domestic Short Wave.

NEW METAL TUBES

The new Knight 5 uses two of the new genuine metal tubes: 1-6F6 and 1-6K7. These tubes assure greater stability and efficiency especially on Short Wave; they increase R. F. gain; they are self-shielding; they operate more quietly.

3 WATTS OUTPUT

The Knight 5 is packed with power. It delivers an undistorted 3 watts output which is ably handled by the full 6 1/2 inch electro-dynamic speaker. The result is a splendid quality of tone never before equalled in a radio at so low a price.



Knight 5 TUBE 3 BAND A.C. SUPERHET WITH METAL TUBES

Here is a new Knight 5-Tube All-Wave A.C. Superhet using metal tubes—a powerful, sensitive, selective 3 band receiver packed with new and advantageous features never before offered in a set at so low a price. Built to the highest standards of performance and beauty—a receiver that everyone can afford. This powerful performer tunes continuously from 17 to 555 meters, covering foreign and domestic Short Wave between 52 and 172 meters; and powerful long-distance American and Canadian standard Broadcast programs between 172 and 555 meters. Features a big, attractively colored "tell-tale" illuminated airplane dial accurately calibrated and with "telling" zoning for easy tuning on every band; continuously variable tone control for bass or treble accentuation; a large 6 1/2-inch electro-dynamic speaker with the ability to reproduce tone flawlessly at any volume level; automatic volume control to prevent fading and distortion and to assure uniform power; heavy-duty rubber-floated tuning condenser of the newest bar type construction for sharper tuning; full 3 watts power output; separate coils for each band; 10 tuned circuits; I. F. transformers pi-wound of Litz wire; latest multi-purpose tubes, including two of the newest metal types, used in the most advanced R. C. A. and Hazeltine licensed superhet circuit for actual 7 tube efficiency. This new Knight 5 is unquestionably a splendid answer to the widespread demand for a quality A. C. receiver at a low price.

\$16⁸⁵

COMPLETE WITH RAYTHEON TUBES

A WORLD OF POWER

The new Knight 5 develops full three watts output from its perfected superhet circuit. The new super-efficient metal Pentode Power Output Tube (6F6) is largely responsible for this unusual power. The triple-purpose 75 tube effectively handles the automatic volume control action, preventing fading and blaring, keeping up the volume at a uniform level when tuning weak as well as strong signals. The latest Raytheon tubes are used in the circuit as follows: 6A7 as Detector and Oscillator; 6K7 (metal) as I. F. Amplifier; 75 as 2nd Detector, A. V. C. and 1st Audio; 6F6 (metal) as Power Pentode; and 80 as Full Wave Rectifier. This tube combination assures actual seven-tube power and efficiency.

AMAZING SENSITIVITY

The Knight World-Wide 5 covers all the popular Short Wave and standard Broadcast bands dependably and effectively, with continuous All-Wave Range. There are no "dead" spots on the dial of the Knight 5—the air is alive with local and distant stations—each under easy, enjoyable control. The uncanny sensitivity of the Knight 5 will amaze and delight you. Special individual coils are used for each of the three bands assuring maximum efficiency; a newly developed band switch allows the correct coils to be switched in on any one particular band while the unused bands are completely cut out of the circuit. These features are generally found only in costly modern radio receivers.

TONE AT ITS FINEST—WORLD-WIDE RANGE

Wide-range tonal fidelity is always evident in the performance of the new Knight All-Wave 5. The special 6F6 Pentode stage develops a flawless 3 watts output which is faithfully handled by the heavy-duty 6 1/2-inch electro-dynamic speaker. Continuously variable Tone Control provides for the accentuation of either bass or treble as desired. The clear, rich tone of the Knight 5 puts new meaning in radio enjoyment. The Knight 5 Superhet brings you a world of rich radio entertainment. And anyone can tune this receiver easily and accurately. The big 6-inch illuminated airplane dial shows three clear tuning ranges, attractively colored and accurately calibrated for easy program logging. The ultra-selectivity of the circuit itself is phenomenal. The special bar type tuning condenser is rubber-cushioned to assure complete freedom from distortion when locating stations. 11 tuned circuits are employed for maximum selectivity.

TRUE BEAUTY

The Knight 5 is built into a remarkably attractive table model cabinet. The front panel is of carefully matched vertically grained walnut, featuring a pleasing new roll-top effect enhanced by routed streamlines. The entire cabinet is exquisitely hand-rubbed in a soft, attractive finish. It measures 17" high, 12 1/2" wide, and 9 1/2" deep. This beautiful table model cabinet will harmonize with any interior and enhance the appearance of the home.

SET COMPLETE

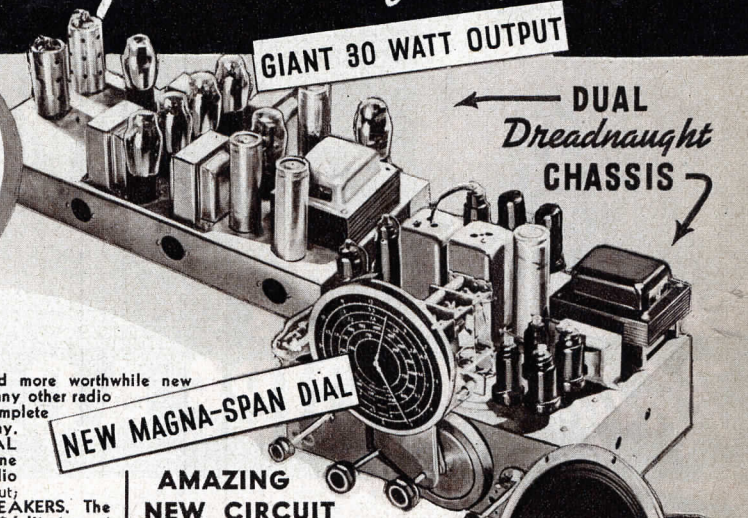
The Knight 5 Tube All-Wave Superhet is offered in the attractive table model cabinet illustrated, complete with 6 1/2-inch Electro-dynamic speaker and 1 6A7, 1-6K7, 1-75, 1-6F6, 1-80 Raytheon tubes. For operation on 110 Volts, 60 cycles, A. C. Shipping weight, 20 lbs. Code: FAIR. **\$16⁸⁵**
A9801.
Retail Value, \$34.50.
YOUR PRICE.....

All Wave 17-555 METERS

A ^{TUBE} 19 WONDER RADIO \$99.50

WITH *Exclusive Features* for only **\$99.50** WITH RCA TUBES

THE
Lincoln
DE LUXE
19 TUBE
SUPERHET



FEATURES — FEATURES — FEATURES! You'll find more worthwhile new features in this new Lincoln 19-Tube Superhet than in any other radio built today. ● **THREE FULL WAVE BANDS.** Complete coverage of everything that's broadcast in the world today. Gets everything with amazing ease and power. ● **DUAL DREADNAUGHT CHASSIS.** Built like battleships—one for perfect R.F. tuning, the other for super-powerful audio amplification. Finest components are used throughout; workmanship is superb. ● **TWO 12" VITA-TONE SPEAKERS.** The finest available, true-toned, powerful—rendering highest fidelity tone at all volume levels. ● **11" MAGNA-SPAN DIAL.** The dial with five exclusive features: "Electric Eye" Flywheel dialing, Wave Band Indicator, "Tell-Time" Scale, 340° concentric calibration. ● **LATEST TUBES.** Genuine R.C.A. tubes throughout—latest multi-function all-metal types in the tuner chassis, glass types in the audio amplifier. Develop full 30 watts output, amazing sensitivity, split-hair selectivity. ● **AUTOMATIC TONE CONTROL.** Assures practically silent tuning between stations. ● **AUTOMATIC BASS COMPENSATION.** Boosts the low notes to bring you the true full richness of both voice and orchestra. ● **AUTOMATIC VOLUME CONTROL.** Effectively maintains uniform volume; prevents fading; guards against distortion. ● **CONTINUOUSLY VARIABLE TONE CONTROL.** Permits accentuation of bass or treble as desired. Enhances the natural tonal beauty of the receiver. ● **MORE CIRCUIT FEATURES.** New R.C.A. licensed design. 3-gang rubber-floated condenser (heavy-duty type) for increased stability and selectivity; 16 tuned circuits; R.F. Pre-amplifier stage; Pre-selector stage; 1 M.V. sensitivity; 8 K.C. selectivity; phono connection, etc.

NEW MAGNA-SPAN DIAL

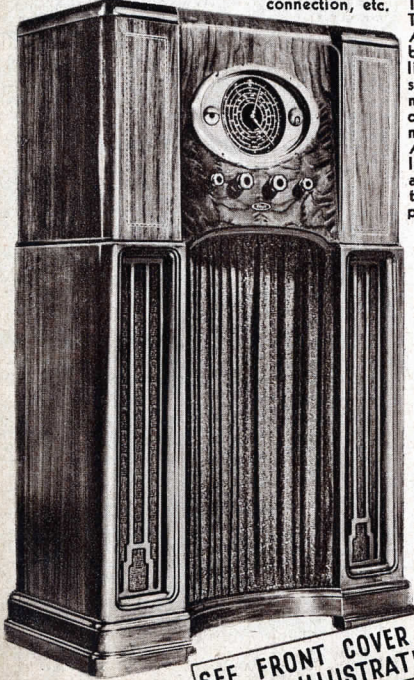
AMAZING NEW CIRCUIT

The circuit used in the Lincoln 19 Tube 3 Band Superhet is a product of the long experience of some of the country's leading radio engineers. The latest type tubes are used as follows: In the R.F. tuner — 6K7 as R.F. Pre-amplifier; 6AS as Osc.; 6K7 as 1st. I.F.; 6K7 as 2nd I.F.; 6H6 as Diode; Det.; 6F5 as Audio Amp.; 2—5W4's as parallel full-wave rectifiers; 6K7 as Automatic Tone-Control; 6G5 as visual indicator. In the Audio Amplifier: 85 as 2nd Audio; 42 as Triode driver; 6F7 as Automatic Bass Compensation; 4—45's as Class "AB" push-pull output stage; 5V4G as power rectifier; 80 as bias rectifier. All vital circuits are thoroughly shielded. An oversize, shielded Underwriters' Approved power transformer is used. Tuner size: 19" x 9 1/4" x 9". Amplifier: 20" x 9" x 7 1/2".

CHASSIS MODEL

The Lincoln 19 Tube 3 Band Superhet is available in chassis form, less cabinet. Includes dual dreadnaught R.F. Tuner and Audio Amplifier chassis; 2—12 inch Vita-Tone Dynamic Speaker and complete set of R.C.A. tubes. 11 inch Magna-Span dial escutcheon and knobs are included. For operation on 110 Volts, 60 cycles A.C. Shpg. wt., 70 lbs. Code: **WELL.**
A9855. Retail Value, \$165.00. **\$7500**
YOUR PRICE ONLY...

2-12" VITATONE SPEAKERS



SEE FRONT COVER FOR LARGE ILLUSTRATION

AMERICA'S FINEST RADIO RECEIVER

America's most powerful and most beautiful radio. A magnificent new instrument into which every known circuit development, every worthwhile feature known to radio science has been incorporated. Absolutely the finest radio money can buy, built for the discriminating purchaser who wants the best. The new Lincoln 19 Tube De Luxe A.C. Superhet is the product of the finest efforts of radio engineering. It is the supreme development in a radio instrument capable of providing endless enjoyment. Covers the whole world on three powerful bands. Tunes 16.4 to 55 meters for world-wide Short Wave broadcasts; 55 to 180 meters for Short Wave Police, Amateurs, Ships and Commercial signals; 180 to 550 meters for all Standard Broadcast and upper Police channel. A performer without a peer—distinguished for its power, its tone and its beauty. Offers boundless sensitivity, magnificent power and radio's simplest tuning arrangement. The R.F. Tuner chassis uses genuine R.C.A. metal tubes for strong signal pickup; the Audio Amplifier chassis uses glass type tubes for a mighty output of full 30 watts. 2—12" Vita-Tone speakers are provided. More than 40 distinctive features are incorporated. The console in which the 19 Tube Lincoln is housed is a gorgeous, massive creation with rolled top and front of selected beautiful butterfly-grained butt walnut. Front panel slopes slightly to give convenient angle of vision to dial and controls. Upper pilasters are semi-rounded and continue in one piece from front to side; have marquetry inlay. Lower pilasters each have grille. Large center grille is rounded for better tonal depth and is covered with pleated silk grille cloth. The entire console is hand-rubbed to a high plane finish. Dimensions: 45" high, 28" wide, 15 1/2" deep.

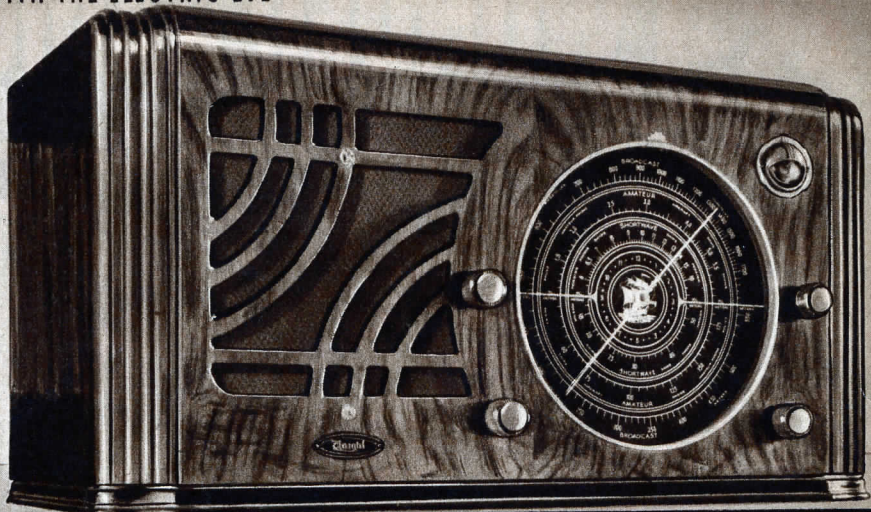
A9856. The Lincoln 19 Tube De Luxe A.C. Superhet in massive console illustrated, complete with dual chassis, 2—12" Vita-Tone dynamic speakers and genuine R.C.A. Tubes. For operation from 110 Volts, 60 cycles A.C. Shpg. wt., 160 lbs. Code, **BEST.** Retail Value, \$225.00. **YOUR PRICE, ONLY**

\$99.50

WITH THE ELECTRIC EYE



3 FULL BANDS WORLD-WIDE RANGE



Knight 8 TUBE A.C. SUPERHET

\$29.95
WITH RAYTHEON TUBES

- TUNES 17-555 METERS
- GIANT 8" COLOR DIAL
- ELECTRIC EYE
- FULL A.V.C.
- BASS COMPENSATION
- VARIABLE TONE CONTROL
- NEW OCTAL GLASS TUBES
- FLYWHEEL DIALING
- 11 TUNED CIRCUITS
- VITA-TONE DYNAMIC SPEAKER

Here is a marvelous new Knight 8 Tube A.C. Superhet with new features and new style—a distinctive receiver that tunes everything on the air. Covers 17 to 555 meters in three full bands for continuous all-wave reception. Brings you an altogether new concept of radio enjoyment featuring easy tuning, world-wide coverage and hi-fidelity. Has big, important new developments you can see and touch. De Luxe R.C.A. and Hazeltine licensed Superhet circuit incorporates every worthwhile new refinement for superb radio performance. Develops actual 10 tube efficiency through use of 8 of the latest Octal Glass tubes. Full 4½ watts output assures abundant reserve audio power smoothly handled by the full new type Vita-Tone Electro-dynamic speaker. Big 8" color dial, always easy to tune, includes "clock-scale" for Tell-Time tuning. Flywheel dialing, distinctive color for each wave-band. No other 8 tube radio gives you so much enjoyable performance at so low a cost. The Knight 8 brings the whole wide world of radio into your home—faithfully, dependably, brilliantly.

ALL-WAVE RANGE

Tour the world with the Knight 8. World-wide range on three full bands covers everything broadcast. Tunes 16.6 to 52 meters for World-Wide foreign Short Wave programs; 52 to 172 meters for interesting Amateur, Police, Ship and Airplane conversations; 172 to 555 meters for powerful American and Canadian Standard Broadcast. A flick of the dial and you can travel 'round the world. Each program is brought in clearly and enjoyably.

SUPERB TONAL QUALITY

Rich hi-fidelity tone is assured by the use of the new full-size Vita-Tone Electro-dynamic speaker. The 6F6G output stage develops full 4½ watts assuring plenty of reserve power at all times. Both voice and music are reproduced with vital realism. Variable tone control permits you to emphasize bass or treble notes as desired. Bass compensation accentuates bass notes properly for balanced tonal response. The luxurious tone of the Knight 8 will meet with the approval of every radio listener.

KNIGHT 8 TUBE CHASSIS

The Knight 8 Tube All-Wave Superhet as described above is also offered in de luxe chassis form. Ideally suited as a replacement chassis in the finest cabinet. Major features: 11 tuned circuits, 3 gang bar tuning condenser, separate coils on each band, A.V.C., variable Tone Control, bass compensation, etc. Supplied with a full 12" heavy-duty Vita-Tone Dynamic Speaker. Measures: 12" long, 10" high, 9½" deep. Complete with 2-6K7G, 1-6A8G, 1-6H6G, 1-6F5G, 1-6F6G, 1-6G5G and 1-5Y3 Raytheon Octal Glass tubes. For operation on 110 Volts, 60 cycle A.C. Shipping weight, 18 lbs. The outstanding 8 Tube chassis of the year. Code: GOOD.

A9816, Retail Value, \$54.95. YOUR PRICE,

\$27.45

POWERFUL SUPERHET CIRCUIT

The Knight 8 is built around a de Luxe new Superhet circuit with every advanced development. Has new 3 gang bar-construction tuning condenser; 11 tuned circuits; separate coils for each band; R.F. on broadcast. Full automatic volume control, variable tone control, bass compensation provide uniform noise-free volume and proper accentuation at every volume level. Uses newest Raytheon octal glass tubes as follows: 6K7G as R.F.; 6A8G as Det.-Osc.; 6K7G as I.F.; 6H6G as 2nd Det.-A.V.C.; 6F5G as Hi-Gain Audio; 6F6G as Power Stage; 6G5 as Electric Eye; 5Y3 as rectifier. Efficiently engineered for highest selectivity and sensitivity.

EASY TO TUNE

Quick, accurate tuning is always yours with the Knight 8. The giant 8" color dial is clearly calibrated and fully illuminated. Flywheel dialing gives variable speed to station selector. You can tune with vernier accuracy or you can spin the tuning knob so that the pointer actually coasts to the desired program. The Electric Eye enables you to tune stations visually. When dark sector of eye is narrowest you are perfectly tuned in. "Clock-scale" on dial provides for quick "Tell-Time" reference tuning.

HANDSOME TABLE CABINET

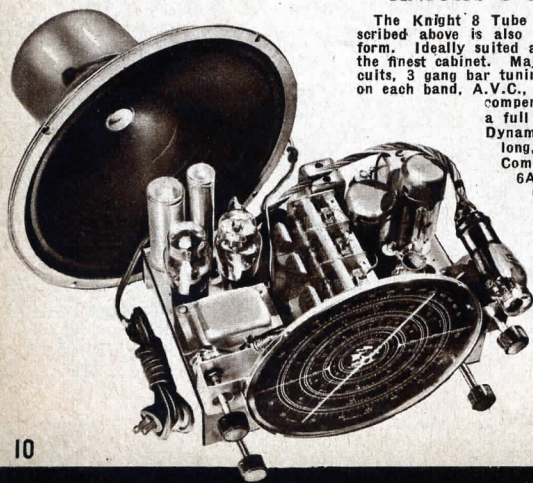
The Knight 8 Tube All-Wave A.C. Superhet is admirably presented in a splendid new "laydown" type table cabinet. Features attractive roll-top effect with front face and top of one piece matched striped walnut. Has beaded, recessed side panels and speaker grille of graceful design. Hand-rubbed to a high piano finish. This beautiful cabinet will harmonize perfectly in any setting. Dimensions: 23" long, 12½" high, 10" deep.

SET COMPLETE

The Knight 8 Superhet is supplied in the table cabinet illustrated, complete with full 6 inch Vita-Tone Electro-Dynamic speaker and 8 Raytheon Octal Glass Tubes as follows: 2-6K7G, 1-6A8G, 1-6H6G, 1-6F5G, 1-6F6G, 1-6G5G and 1-5Y3. For operation on 110 Volts, 60 cycle A.C. A remarkable radio value at our low price. Shipping weight, 25 lbs. Code: FINE.

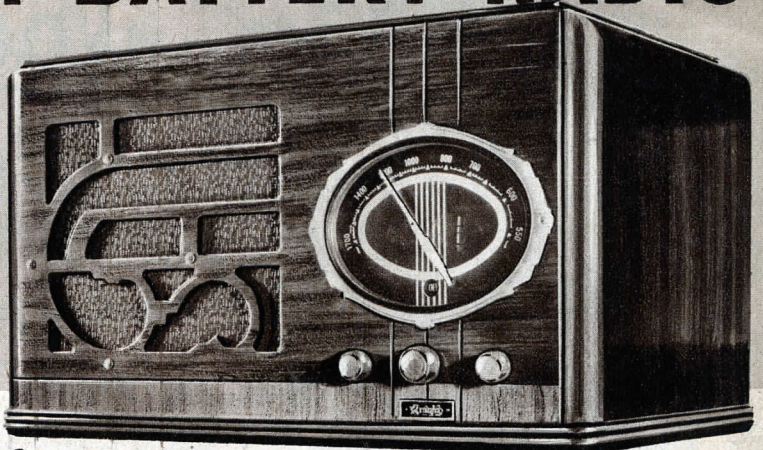
A9807, Retail Value, \$59.95. YOUR PRICE,

\$29.95



LOW-COST BATTERY RADIO

Knight 5 TUBE BATTERY SUPERHET



\$ 16⁹⁵
WITH
RCA
TUBES

*Operates on 3 Volt Dry "A" —
2 Volt Storage Battery or Air Cell*

- NEW OVAL AIRPLANE DIAL
- "ON-OFF" INDICATOR
- LOW BATTERY DRAIN
- P.M. DYNAMIC SPEAKER
- BATTERY SPACE IN CABINET
- FULL A.V.C. ACTION
- NEWEST TUBES
- ATTRACTIVE CABINETS
- NEW SUPERHET CIRCUIT

A wonderful value in a new powerful, low-priced, economically-operated five tube farm radio that is capable of strong reception, sharp selectivity and true-to-life tone quality. Tunes 175 to 550 meters, covering some Police Signals in addition to American Broadcast reception. Equipped with the newest large oval Airplane Dial which features an exclusive visual "on-off" indicator. The dial is calibrated directly in kilocycles and is extremely easy to tune. **LOW DRAIN.** The Knight 5 is one of the most economical farm radios made today. The very latest low-drain tubes are used in this new R.C.A. and Hazeltine licensed Superhet circuit as follows: 1C6 as Mod.-Osc.; 34 as I.F.; 1F6 as Det., AVC, 1st Audio; 33 as Power output; 5E1 as voltage regulator. When used with a 3 Volt "A" battery, "B" battery drain is only 14 M.A.; "A" battery drain is only .5 Amps. May be operated from either a 3 Volt dry "A" battery, a 2 Volt Storage battery or an Eveready Air Cell. Our listing offers the Knight 5 for economical operation with a 3 Volt Dry "A" battery. (If desired with Air Cell, add \$1.88. If desired with 2 Volt Storage "A" battery add \$1.32.) **CIRCUIT FEATURES.** Full Automatic Volume Control is incorporated for noise-free reception with uniform volume on all stations. Type 33 low-drain tube achieves flawless volume which is handled without distortion by the heavy-duty 6 inch permanent magnet dynamic speaker. You will enjoy the performance of the Knight 5. It is the finest battery radio that can be built at so low a price.

5 TUBE CONSOLE

The Knight 5 Tube Battery Superhet is offered in the Console Cabinet shown at left with 8" P.M. Dynamic Speaker and 5 R.C.A. Tubes. Less batteries. Measures: 38"x22"x11½". Shipping weight, 46 lbs. Code: CITY.

A9828.
Retail Value, \$57.50.
YOUR PRICE

\$27⁸⁵

5 TUBE TABLE MODEL

Knight 5 Tube Battery Superhet in "lay-down" table cabinet of modern design with front of choice walnut. Complete with 6" Speaker and R.C.A. tubes. Less batteries. Size: 18x18x11". Has space for all batteries. Shpg. wt., 18 lbs. Code: RACE.

A9826.
Retail Value, \$34.50.
NET

\$16⁹⁵

A9832. BATTERY KIT FOR 5 TUBE SUPERHET. Includes: 2—45 Volt "B," 1—2½ Volt "C" and 1—Burgess Dry "A" Batteries. Shpg. wt., 37 lbs. NET

\$4⁴⁰

DE LUXE 6 TUBE DUAL-WAVE MODEL

The Knight 6 Tube 2 Volt type Superhet, similar in design to 5 tube model described above, incorporates an additional wave-band and other refinements. Tunes 48-130 meters and 175-550 meters for actual 3 band utility, covering all standard Broadcast, Police Calls, some Amateur and Airplane channels, and the popular 49 meter Short Wave band on which many foreign stations are heard. Includes new oval airplane dial, visual "on-off" indicator. Tone Control, full A.V.C. Powerful circuit incorporates newest low-drain tubes as follows: 1C6 as Mod.-Osc.; 34 as I.F.; 1F6 as Det., AVC, 1st Audio; 30 as 2nd A.F.; 19 as 3rd A.F.; 5H1 as voltaga regulator. Always economical to operate because of extremely low battery drain. Other features: high sensitivity; splendid distance reach; flawless tone output. All vital circuit components are thoroughly shielded. Heavy duty tuning condenser is employed for selective, stable performance. Available in both table and console cabinets. Console cabinet has front face of matched stump walnut enhanced by fluted pilasters. Table cabinet shown above, has space for all batteries. The Knight 6 is comparable in performance to the finest all-electric radios.

6 TUBE CONSOLE

The Knight 6 Battery Superhet is offered in the beautiful Console Cabinet pictured at left with 8" permanent magnet dynamic speaker and 6 R.C.A. low-drain tubes. Less batteries. Measures: 38"x22"x11½". Shipping weight, 48 lbs. Code: GATE.

A9841.
Retail Value, \$65.00.
YOUR PRICE

\$32⁸⁵

6 TUBE TABLE MODEL

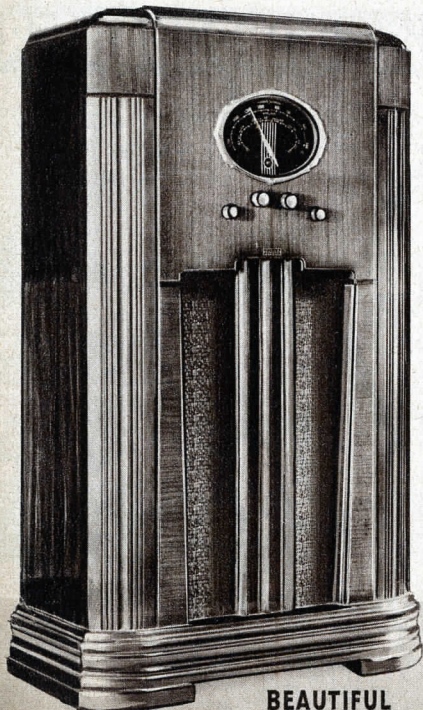
Attractive table model of winning design, as illustrated, complete with 6" permanent magnet dynamic speaker and R.C.A. tubes. Less batteries. Measures: 18" long, 18" deep, 11" high. Shipping weight, 18 lbs. Code: COOL.

A9839.
Retail Value, \$44.50.
YOUR PRICE

\$21⁸⁵

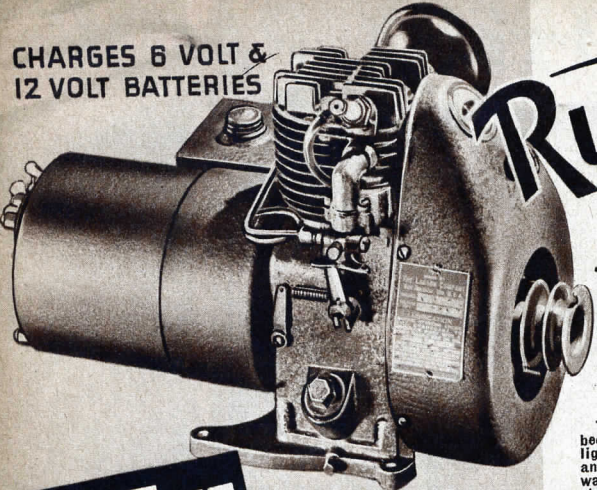
A9843. BATTERY KIT FOR 6 TUBE SUPERHET. Includes: 3—45 Volt "B," 2—½ Volt "C" and 1—Burgess Dry "A" batteries. Shpg. wt., 47 lbs. NET

\$5¹⁵



BEAUTIFUL
CONSOLE
MODEL

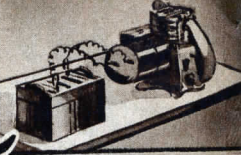
CHARGES 6 VOLT & 12 VOLT BATTERIES



Rurlpower

DE LUXE MODEL

Low Cost **6 VOLT**
LIGHT & POWER **PLANT**
Electricity for Everyone



Rurlpower gives you light and power conveniently and economically. Supplies current for radio and for real electric lighting. Operates washing machines, pumps, churns, etc. A real necessity for farm homes, trailers, boats, camps, etc.



This new DeLuxe Rurlpower 6-12 volt plant has been developed to fulfill every requirement of the light and power plant user. It charges both 6 volt and 12 volt storage batteries and develops 150-250 watts of direct current. Also has push-button self-starting feature. Will keep storage batteries fully charged all the time for Radio and for 6 volt electric lights; has direct motor power pulley take-off for driving many farm appliances. Enjoy the full convenience and comfort of electric light and power. Extra power makes the DeLuxe Rurlpower ideal for heavy-duty use. You can use a number of light bulbs DeLuxe Rurlpower ideal for heavy-duty use. You can use a number of light bulbs DeLuxe Rurlpower ideal for heavy-duty use. You can use a number of light bulbs DeLuxe Rurlpower ideal for heavy-duty use.

\$35.75
COMPLETE

- WITH PUSH BUTTON STARTER
- CHARGES 6 TO 12 VOLTS: 150 TO 250 WATTS
 - PUSH-BUTTON SELF-STARTING
 - RUNS 2 TO 3 HOURS ON QUART OF GAS
 - AUXILIARY POWER PULLEY

STANDARD MODEL

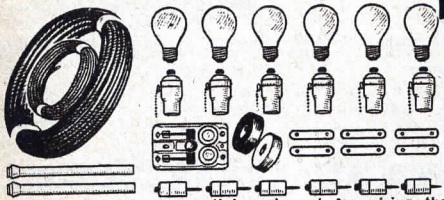
This model is similar to the DeLuxe model in appearance, features and specifications, except that it charges 6 volt batteries only, and has a hand rope starter. Compact, portable, efficient. Supplies 150 watts, 6 volts D.C. to inexpensively charge storage batteries for the operation of 6 volt light bulbs, 6 volt radios, 6 volt sound systems, etc. By means of an auxiliary pulley, Rurlpower will drive washing machines, pumps, churns and other appliances requiring not more than 1/2 H.P.

A10035
Standard Rurlpower Complete. **\$29.95**
NET.

Every worthwhile new mechanical development is incorporated in the 1937 Rurlpower DeLuxe unit. New Lauson "Smoothflo" 4 cycle single cylinder "L" head vertical type 5 1/2 H.P. engine is aircooled and has suction-type carburetor and low tension ignition system. Equipped with electric push-button self-starter; also has mechanical auxiliary starter. At 2350 R.P.M. develops 150 to 250 watts direct current full time. Charges batteries fully charged, thus preventing overheating or overcharging. Generator is fully enclosed and protected; also has positive circuit-breaker and radio noise eliminator. One or more batteries connected in series parallel may be charged with rate of charge adjusted accordingly. Ideal for multiple lamp DeLuxe 6 Volt Light Systems. Auxiliary pulley permits direct operation of many farm appliances. Fuel tank has capacity of one quart of gasoline, sufficient for 2 to 3 hours of operation under load; engine crank-case holds 1/2 gallon of oil. Built-in ammeter clearly indicates rate of charge. Weighs only 52 lbs. Measures 16" x 11" x 10". **\$35.75**

DELUXE MODEL SPECIFICATIONS

6 VOLT LIGHTING SYSTEM



A complete kit of essential equipment for wiring the rural home. Enables you to take full advantage of electric light obtained from 6 volt storage battery. Provides modern lighting at low cost. Easily installed. A 6 volt battery charged by means of the Rurlpower light plant, or Rurlpower Windcharger will provide an abundance of soft restful illumination. The complete lighting system kit contains: 1—Porcelain double-pole entrance switch and fuse block, 2—30 Ampere plug fuses, 100 ft. roll No. 6 triple braid-covered weatherproof wire, 25 ft. roll twisted drop cord, 3—25 watt and 3—15 watt 6 volt light bulbs, 6—pull-chain sockets, 6—porcelain cleats, 6—porcelain nail-knobs, 2—6" porcelain tubes, 1—4 oz. roll friction tape, 1—4 oz. roll rubber tape, and instructions. **\$7.95**

Ken-Rad 6 Volt LIGHT BULBS

No.	Watts	Drain	EACH
A795	15	2.5 Amp.	30c
A796	25	4.2 Amp.	40c
A820	50	8.5 Amp.	40c

LIGHT PLANT WIRE

Single conductor, solid copper. Triple cotton-covered; weatherproof. For battery charging, use as follows: 75 ft. from charger to battery, use No. 6; 50 ft., use No. 8; 25 ft., use No. 10; 15 ft., use No. 12. For one 6 volt 25 watt lamp, 150 ft. from battery, use No. 8; 75 ft., use No. 10; 50 ft., use No. 12; 30 ft. or less, use No. 14.

No.	Size	Per Ft.
A2490	6	\$5.25
A2491	8	3.75
A2492	10	2.75
A2493	12	1.75
A2496	14	1.25

NEW Rurlpower WINDCHARGER

The most reliable windcharger made today. Newly perfected; charges any 6 volt battery. Costs nothing to operate—you get power from the air FREE. Begins charging in a 7/2 mile per hour wind. Propeller and generator are self-adjusting to wind velocity. Automatic cutoff prevents injury to battery. Governor controls speed of propeller. Has simple pull-down wire service. May also be used for limited lighting service. **2 U.S. LIVE NEW FEATURES:**

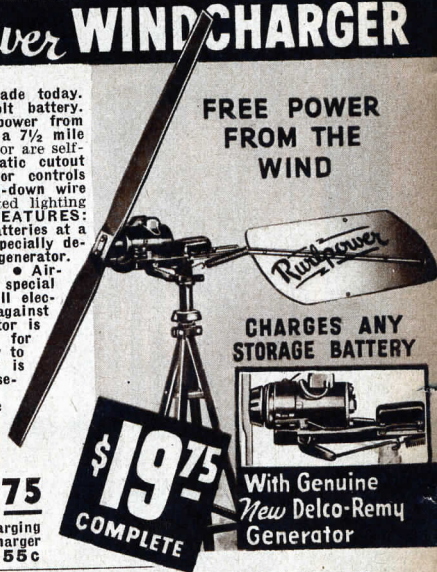
- Charges 6 volt or 2 volt storage batteries at a rate up to 16 amps.
- Has new, specially developed Delco-Remy ball bearing generator.
- Generator cuts in at 350 R.P.M.
- Airplane type propeller is protected by special metal-sheathed leading edges.
- All electrical outlets are fully shielded against rain, snow, and storm.
- Generator is self-governing.
- Six foot tower for mounting is rigidly constructed, easy to assemble. Entire windcharger unit is perfectly balanced; smooth and noiseless in operation.

A10030 Rurlpower Gyroscopic Windcharger Complete, wired and ready to mount; includes 6 foot Tower, Propeller, Tail Vane, Ammeter on panel, Cut-out Battery clips, etc. Complete instructions. Shug. wt. 75 lbs. **\$19.75**

YOUR NET PRICE.....

A10031 2 Volt Resistor for charging 2 Volt Storage Battery from Windcharger line. NET. **55c**

FREE POWER FROM THE WIND



CHARGES ANY STORAGE BATTERY



With Genuine New Delco-Remy Generator

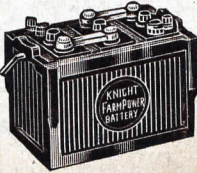
\$19.75
COMPLETE

6 VOLT STORAGE BATTERIES

Especially designed for use with Rurlpower units. Heavy-duty types, with oversize plates. Ideally suited to farm lighting requirements due to their high current storage capacity.

A10021, 17 Plate. For radio and not more than 1-25 or 2-15 watt lamps. 55 lbs. NET. **\$10.45**

A10024, GLASS JAR DELUXE TYPE. Unusually heavy plates insure reliable operation over extended periods. Pilot cell indicates gravity state at all times. In sturdy wood protective case. 125 lbs. NET. **\$19.45**



Knight 6 TUBE 6 VOLT All Wave BATTERY SUPERHET

REQUIRES ONLY ONE BATTERY

3 FULL BANDS: 17-555 METERS

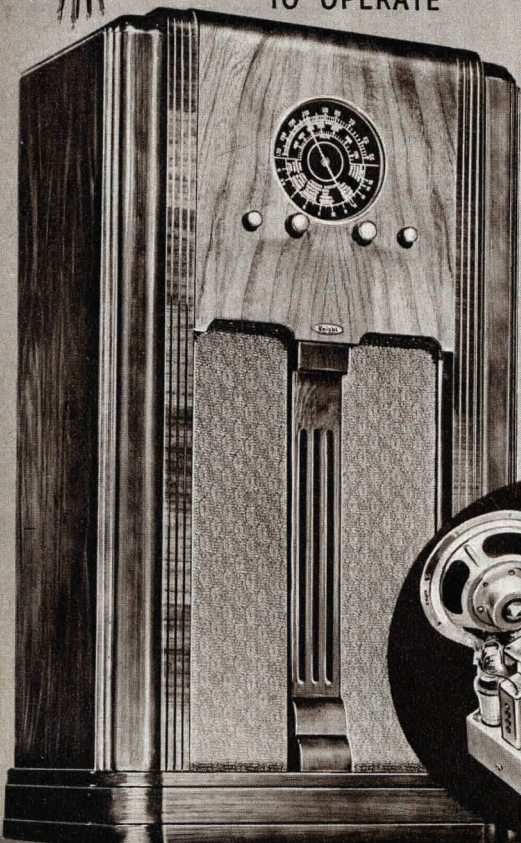
- Low 1.25 Amp. Drain • $6\frac{1}{2}$ " 3-Color Dial
- Full A.V.C. Action • Variable Tone Control
- New P.M. Dynamic Speaker • Push-Pull Output

A new continuous All-Wave 6 Tube Knight 6 Volt Battery Superheterodyne that leads the field. Combines all the advantages and convenience of all-electric radio operation with thrilling All-Wave coverage and an economy of operation never before attained in a battery receiver. Operates entirely from a single 6 volt storage battery; does not require "B" or "C" batteries—DRAWS ONLY 1.25 AMPERES. Costs less to operate than any other battery radio; simply requires inexpensive charging of 6 volt "A" battery. (See opposite page.) Eliminates bother and extra expense. Ideal for rural homes, summer cottages and isolated locations. Tunes 17-555 meters on three continuous wave bands. Covers 17 to 52 and 52 to 175 meters for thrilling Short Wave reception of foreign programs, amateurs, airplanes and police calls. Tunes 175 to 555 meters for unusually powerful standard Broadcast reception. Presented in an attractive table cabinet with two-tone walnut face, and beautiful new roll-top effect. $15\frac{1}{4} \times 12\frac{1}{2} \times 9$ inches. Features Automatic Volume Control to maintain constant volume; has continuously Variable Tone Control for bass or treble emphasis; uses the latest long-life full-wave self-rectifying "B" and "C" supply with plug-in vibrator; has a giant $6\frac{1}{2}$ " illuminated Airplane Dial with 15 to 1 vernier tuning ratio. Uses the latest low-drain tubes for extra efficiency; rubber-floated tuning condenser; 11 tuned circuits; high-gain litz-wound coils, etc. A powerful 6 inch Permanent Magnet Dynamic speaker, equal to the finest electro-dynamic types, handles full volume without distortion for highest fidelity.

\$26.95
WITH
R.C.A. TUBES

RCA & HAZELTINE LICENSED

COSTS PRACTICALLY NOTHING
TO OPERATE



LESS "A" BATTERY

The Knight 6 Tube 6 Volt Superhet in table model cabinet complete with 6" speaker and 1-1C6, 1-34, 1-19, 2-30, and 1-32 R.C.A. tubes. Less 6 Volt "A" battery. Code: LINE. Shpg. wt., 22 lbs.

A9884. Retail Value, \$54.50. **\$26.95**
YOUR PRICE (For "A" Battery, see below)

"BATTERY-MISER"

The Knight 6 Tube All-Wave 6 Volt Battery Superhet is amazing for economy; it is veritably a "Battery-Miser." Does not require "B" or "C" batteries. Draws only 1.25 Amperes average in operation from any six volt storage battery. With average daily use this receiver saves from \$18 to \$25 per year on the cost of "B" and "C" batteries. Will operate approximately 70 hours on one charge from 100 ampere hour storage battery. THE KNIGHT 6 TUBE 6 VOLT SUPERHET IS IDEAL FOR USE WITH THE NEW RURLPOWER GAS ENGINE OR WIND-CHARGER UNITS DESCRIBED ON PAGE 12.

BEAUTIFUL 6 VOLT CONSOLE MODEL

The Knight 6 Tube 6 Volt Battery Superhet is also offered in the attractive console model illustrated at the left. Beautifully designed and built. Center panel is of matched figured walnut enhanced by a rolled top and gracefully fluted pilasters. Size: $39\frac{1}{2}$ " high, 22" wide, 12" deep. Furnished with full 8 inch P.M. Orthovox speaker. An outstanding 6 Volt Radio value featuring: All-Wave coverage—17 to 555 meters; Full A.V.C.; Tone Control; $6\frac{1}{2}$ " Airplane Dial; 1.25 Amp. drain; multi-function tubes; rubber-cushioned condenser; plug-in type built-in vibrator "B" and "C" power supply; 11 tuned circuits, etc.

LESS "A" BATTERY

The Knight 6 Volt All-Wave 6 in beautiful console with large 8 inch Orthovox speaker complete with R.C.A. Tubes. Less 6 Volt "A" battery (see below). Code: HARP. Shpg. wt., 50 lbs.

A9886. Retail Value, \$77.50. **\$37.50**
YOUR PRICE

CHASSIS MODEL ONLY

The Knight 6 Tube 6 Volt All-Wave Superhet is also offered in chassis form. Furnished with large 8 inch Orthovox speaker. Chassis size, $8 \times 8 \times 11\frac{1}{4}$ inches. Makes an ideal replacement chassis for obsolete battery radios.

LESS "A" BATTERY

The Knight 6 Tube 6 Volt chassis with 8" speaker and 1-1C6, 1-34, 1-19, 2-30, 1-32 R.C.A. tubes. Less 6 Volt "A" battery (see below). Code: RAYS. Shpg. wt., 18 lbs.

A9882. Retail Value, \$51.50. **\$25.45**
YOUR PRICE

VESTA "A" BATTERY

Ideal for use with the Knight 6 Volt receiver. A genuine Vesta Storage Battery, 100 Ampere hour type. Heavy-duty, solid leak-proof construction. Has thick plates and carefully sealed cells. Built for long, enduring service. A real value. Wt., 40 lbs.

A10013. 100 Ampere Hour Vesta Storage Battery. NET. **\$4.45**

32 VOLT MODELS

The Knight 6 Tube All-Wave Superheterodyne is also available in an efficient All-Electric 32 Volt model. Operates directly from any 32 volt source. Available in table, console and chassis models. Write for complete description and illustrations.



**FITS ANY CAR
MATCHES ALL DASHES**

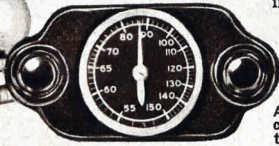
1 Knight SUPPRESSORLESS AUTO RADIO 6 Tube Superhet with METAL TUBES



\$23⁸⁵
WITH R.C.A.
TUBES

- ALL-ELECTRIC
- NO SUPPRESSORS
- FULL A.V.C. • TONE CONTROL
- 3 GANG CONDENSER • NEW METAL TUBES
- 6 1/2" DYNAMIC SPEAKER • AIRPLANE DIAL
- EXTRA SPEAKER PROVISION • LOW DRAIN

The finest 6 Tube Auto Radio money can buy. Designed with the precision, ruggedness and quality demanded by the automotive industry. Unparalleled for tonal brilliance, large dependable power and outstanding new refinements. Complete Noise Suppression is achieved by the use of six special filters which assure the enjoyable noise-free operation provided by the finest house type receivers. The Knight 6 De Luxe Auto Radio fits any car easily. Its compact size (7 1/4 x 7 5/8 x 8") 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. The rugged construction of the entire receiver assures a secure and permanent vibration-free installation. The use of two of the new genuine metal 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 1/2 inch electro-dynamic speaker is designed to deliver flawless tone.



RCA & HAZELTINE LICENSED

9 TUBE EFFICIENCY—6 TUBE ECONOMY

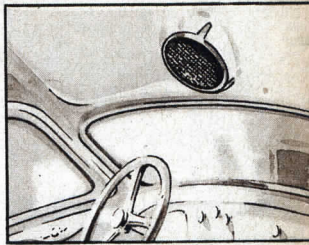
The Knight 6 Tube De Luxe Superhet incorporates the latest RCA and Hazeltine licensed circuit. The use of dual-purpose and triple-purpose tubes assures actual 9 tube efficiency with 6 tube economy. A 3 gang rubber-cushioned condenser with a noise-reducing pre-selector stage of R.F. amplification, a newly developed iron-core antenna coil and double-tuned I.F. transformers positively assure 1 microvolt sensitivity and 10 K.C. selectivity. All parts (including fixed condensers) are securely bracketed to resist vibration. Case is of heavy-gauge rust-proof steel, well-ventilated, with complete dust-proof provision for speaker and condenser. Patented antenna circuit gives maximum efficiency with any type of auto aerial. The Knight 6 De Luxe is really a Custom Auto Radio designed to fit and match all cars by the use of the special remote control mounting kits listed below. No other Auto Radio offers the luxurious performance and exclusive features incorporated in the new Knight 6.

KNIGHT 6 COMPLETE

The Knight 6 Tube De Luxe Auto Radio is offered complete with 1—6K7, 1—6F6, 1—6D6, 1—6A7, 1—75, and 1—84 Raytheon tubes. With flexible shafts, tuning control mechanism and hardware. (Does not include mounting panel and knobs shown in photograph. See listing below for proper panel kit to fit your car.) Code: SHOW.
A9880. Retail Value, \$39.50. **\$23⁸⁵** NET

TWIN DYNAMIC SPEAKER

For added radio enjoyment, plug-in provision is made in the Knight De Luxe 6 for an additional speaker. Can be mounted against roof or back of front seat.
A9642. Extra speaker for installation against the roof or tonneau of car above windshield. For 1936 Dodge and Plymouth.
A9643. Extra speaker for installation against roof of 1936 Ford, Chevrolet, Pontiac, Oldsmobile, and Buick. Also adaptable for all other cars.
YOUR PRICE EACH. 345



STEERING POST CONTROL

FORD 1935-36

SUB-DASH MOUNTING

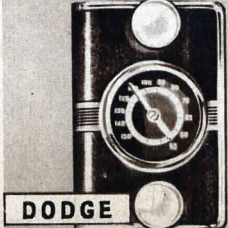
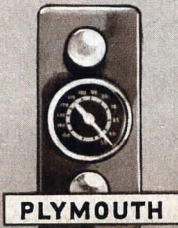
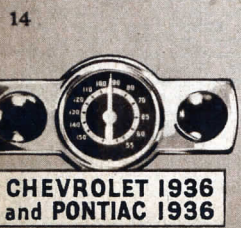
SPECIAL CONTROL MOUNTING KITS

A9647. TYPE A. Universal control which adapts tuning mechanism of Knight 6 Tube Auto Radio to fit the steering wheel column on any car or to fasten to the lower edge of the dash instrument panel.

A9648. TYPE B. Custom control for mounting on dash panel of cars equipped with ash tray compartment. When ordering, be sure to specify make, model and year of car, indicating whether de luxe or standard.

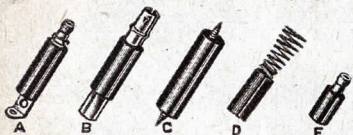
NET EACH

95c



AUTO RADIO ACCESSORIES

KNIGHT SUPPRESSORS

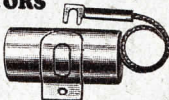


Sturdy, efficient carbon type suppressors for use on any automobile engine. Heat- and moisture-proof. Resistance element enclosed in polished bakelite case except Fig. "D" which illustrates new type for Ford V8. This unit acts as distributor suppressor.

- A6990. A. Spark Plug Type. NET EACH
 - A6991. B. Distributor Type. NET EACH
 - A6992. C. Cable Type. NET EACH
 - A6994. E. Short Buick Type. NET EACH
- SET OF 5.....\$0.55
 SET OF 7......79
 SET OF 9..... 1.00
- A6995. D. Special 50,000 ohm Ford V8 Brush Type. NET **12c**

AUTO RADIO FILTERS SINGLE CAPACITORS

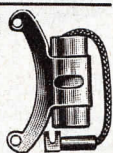
Metal-cased compact by-pass condensers for use on generators, ammeters, horns, light cables, etc., to eliminate noise.



- A2942. 1/4 MFD. Round metal container 3/4"x2". Single lead with lug. For horn. EACH..... **15c**
- A2943. 1/2 MFD. Round metal container 3/4"x2". Single lead with lug. For coil. EACH..... **19c**
- A2944. 1 MFD. Round metal container 1"x2 1/2". Single lead with lug. For generator. EACH..... **24c**
- A2945. 1 MFD. 1 1/4"x2 1/2". Heavy duty for use near motor. For generator. EACH..... **32c**

FORD VS CONDENSER

Especially designed to fit the new Ford V8 distributor head. Special metal bracket assembly of filter unit exactly fits bolts which hold the bakelite distributor head in place. Required in all Ford V8 cars equipped with Auto Radios.



A5921. NET **27c**

"REDHEAD" SENIOR AUTO ANTENNA



BETTER PICKUP—LESS NOISE ADJUSTABLE BRACKETS

The "Redhead" Auto Antenna has mounting brackets of malleable iron which are easily bent to conform to any particular type of installation; quickly adjustable over entire length of antenna assembly. No drilling is required as the bolts already in the running-board are used. Distance of antenna below running-board is adjustable from 2" to 4 1/2".

An entirely new, scientifically designed running-board antenna of remarkable efficiency. Gives strong signal strength with minimum pickup of ignition noise. Is of all-metal construction with new overall rubber covering which makes it absolutely waterproof and rust-resisting.

EASY TO INSTALL

Installation is quickly made. Entire streamlined assembly is firmly welded and is vibration-proof. There are no springs, wire, etc., to rattle or loosen. Has set-screw connection for antenna lead-in. Completely insulated. 45" long x 9" wide. Weight, 7 lbs. **\$1.47**

A9141. YOUR PRICE...

KNIGHT DE LUXE AUTO AERIAL

The finest auto aerial made. Capacity type, coupling to ground for maximum undistorted pickup. Reduces fading to a minimum. Rust-proof and rattle-proof, with live rubber insulation. Sturdily constructed to withstand road shock. Ideal for use with any type of auto radio. All metal—adjustable. Quickly and easily installed out of sight under car. Requires no drilling. Adjustable in length to 43". 8 inches in width. May be raised or lowered.



A9140. Complete with clamps, bolts, insulators and instructions. Wt., 8 lbs. **\$1.10**

YOUR PRICE, EACH.....

AXLE TO AXLE AERIAL



High pick-up auto aerial for installation underneath car from front to rear axles. Fitted with straps for quick installation. Gives fine selectivity and adds plenty of volume to your auto set. Wt., 2 lbs. A9143. List, \$1.50. NET..... **48c**

MOTOR NOISE FILTER

A new Auto Radio noise and spark plug suppressor eliminator. Does not interfere with car ignition system. Assures noise-free auto radio reception. Consists of a combination high-frequency filter and adjustable balancing circuit which completely eliminates use of spark plug suppressors. Interference is "balanced out" by manual inductance control. Installed in series with the antenna at receiver.



A5489. **\$1.32**

YOUR PRICE.....

CARFLO AUTO AERIAL



A new development in auto antenna design. Non-directional; gives better reception, greater efficiency. Easy to install; rubber vacuum cups attach aerial securely to car. Has pure copper base and is of one-piece construction.

A9543. With Chromium finish. NET.... **\$3.53**

A9549. Same as above but in a polished copper finish; can be duc'd to match color of car. NET..... **\$2.94**

YOUR PRICE.....

TOBE AUTO-POLE AERIAL

Consists of a telescoping rod, insulated mounting bracket and lead-in. Comes pre-wired and assembled and can easily and instantly be attached to the rear bumper bracket of any car. Isolated from motor noises; has more effective signal pickup. Full height is 8 ft.; telescopes to 3 ft.

A9543. NET..... **\$1.73**

QUALITY REPLACEMENT VIBRATORS

MALLORY

Famous for their high quality construction and absolute dependability. Mallory replacement vibrators are exact duplicates of original units. Easily installed and require no changes in the circuit. We carry a complete stock of all Mallory vibrators to serve you faster. When ordering, state either mfrs. type number, or model and make of set. Write for free Mallory Vibrator Replacement Booklet.

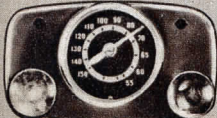


RADIART

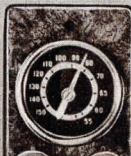
Truly exact duplicates of the original equipment in every mechanical and electrical characteristic. Each vibrator is factory-tested before being released. Standard in many auto receivers. We carry a complete stock of all Radiart vibrators to serve you faster. We can supply any vibrator at once. When ordering state either mfrs. type number, or make and model of set. Write for free Radiart listing of vibrator replacements.



Set	MALLORY			RADIART			Set	MALLORY			RADIART		
	Name and Model	Mfrs. No.	Our No. NET	Mfrs. No.	Our No. NET	Name and Model		Mfrs. No.	Our No. NET	Mfrs. No.	Our No. NET		
ARVIN	15, 25, 35, 45 1st Ser.	296	A4551 2.65	3261	A4521 2.65	816	500P	A4577 2.35	3320	A4542 2.65			
	15, 25, 35, 45 2nd Ser.	292	A4552 2.65	2867	A4522 2.65	ALL OTHERS	294	A4553 2.65	3320	A4542 2.65			
ATWATER KENT	424, 534	222	A4554 3.09	3308	A4524 3.23	RCA VICTOR							
	666, 776	296	A4551 2.65	3263	A4525 2.65	5M, 6M, 6M2	249	A4579 3.23	5406	A4518 2.94			
BOSCH	140 (2nd & 3rd Ser.)	271	A4561 3.23	3283	A4532 3.23	M107	253	A4550 2.65	3417	A4520 2.65			
	524A, 634-634A	253Y	A4562 2.65	4260	A4530 2.65	M101, M-104, M108	286S	A4570 3.23	3883	A4544 2.94			
	150 (1st Series)	210	A4563 3.38	3318	A4533 3.38	STEWART WARNER							
MOTOROLA	34, 50, 60, 90	294	A4553 2.65	4260	A4530 2.65	R112, 1121, 1122, 1123	292	A4552 2.65	2867	A4522 2.65			
	77	230	A4572 3.38	3445	A4546 3.38	R118, 1171, 1172, 1181	294	A4553 2.65	4260	A4530 2.65			
	55, 55A	231	A4574 3.38	4607	A4548 3.38	UNITED MOTORS							
						393884-5, 405045	273C	A4565 3.23	3461	A4536 3.09			
						ZENITH							
						460, 462, 650HD	292	A4552 2.65	2867	A4522 2.65			



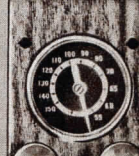
CHRYSLER



DE SOTO DE LUXE

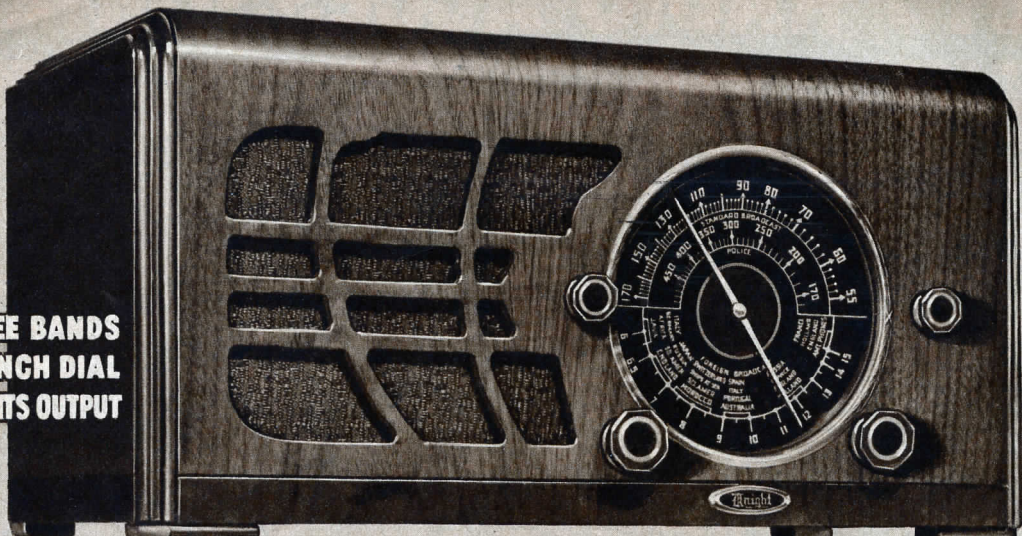


HUDSON AND TERRAPLANE



STUDEBAKER DICTATOR

THREE BANDS
6 1/4 INCH DIAL
3 WATTS OUTPUT



RCA AND HAZELTINE LICENSED

Knight 5 TUBE A.C. SUPERHET

With MULTI-PURPOSE *all Metal* TUBES

\$19.95
COMPLETE WITH
Genuine RCA
METAL TUBES

- ALL-WAVE TUNING RANGE
- FIVE R.C.A. METAL TUBES
- AUTOMATIC VOLUME CONTROL
- VARIABLE TONE CONTROL
- GIANT VERNIER TUNING DIAL
- 3 GANG TUNING CONDENSER
- 6 1/2" DYNAMIC SPEAKER
- NEW LOW-BOY CABINET

POWERFUL METAL TUBE SUPERHET CIRCUIT

The deluxe Knight 5 incorporates the latest high-gain superheterodyne circuit, using 5 genuine R.C.A. metal tubes resulting in higher efficiency, greater stability, quieter operation. The tubes used are: 6A8 as 1st Det.-Osc.; 6K7 as I.F.; 6Q7 as Diode-Det., A.V.C., 1st Audio; 6F6 as Pentode output; 5W4 as rectifier. This combination attains actual 8 tube efficiency. The 6F6 Metal Pentode develops full 3 watts output. 10 kilocycle selectivity is consistently attained. Three-gang rubber floated condenser and R.F. pre-selector assure maximum performance on all three bands. Other features are Full A.V.C., Tone Control, 11 tuned circuits.

ALL-WAVE RANGE

Thrilling world-wide all-wave radio entertainment is yours with the Knight 5. Its tuning range covers three full bands with powerful reception of Short-Wave foreign programs from 18 to 52 meters; Airplane, Amateur, and Police signals from 56 to 175 meters, and flawless coast-to-coast standard American and Canadian Broadcast from 175 to 550 meters. Tricolor 6 1/4" airplane dial simplifies tuning; each band is individually colored, while numerals are large and clear. Tunes with smooth vernier action, 15 to 1 ratio. Popular foreign station areas on the dial are indicated by countries. The Knight 5 tunes all the world and brings you a fine combination of luxurious all-wave reception together with powerful volume, bell-like clarity, and rich, brilliant tone.



This beautiful, deluxe Knight receiver is the finest 5 Tube radio built today. Its generous power, keen sensitivity, and sharp selectivity make it comparable to many 7 and 8 tube sets. Offers superb coverage on three full bands, ranging from 18 to 550 meters; covers 18 to 52 meters for foreign short wave programs, 56 to 175 meters for Police, Aviation, and Amateur signals, and 175 to 550 meters for powerful long distance reception of all American and Canadian standard broadcasts. Employs 5 new multi-purpose metal tubes in the latest R.C.A. licensed superhet circuit. Has a fully illuminated 3 color 6 1/4" airplane dial which makes tuning easy and accurate. Outstanding features are: Continuously Variable Tone Control for personal tone selection, Automatic Volume Control for smooth, noise-free operation, 3 gang heavy-duty rubber-floated condenser for added stability; 6 1/2" Electro-dynamic speaker, 11 tuned circuits, etc.—all making for greater refinement and enjoyment of radio reception.

STRIKING BEAUTY

Everyone will admire the graceful table cabinet of the Knight 5. Tastefully designed in the new lay-down style; top and front are rolled from a single piece of choice vertically grained American walnut, hand-rubbed to a lustrous piano finish. Corners are attractively routed. The speaker grille is pleasingly proportioned while the dial-plate is simple and clean-cut. Dimensions: 18" long, 9 1/2" high, 8 7/8" deep. Fits in anywhere—on table, mantel, bookshelf, etc. Truly a cabinet to delight the eye—the ideal radio for any setting.

SPLENDID TONE

Life-like rendition of both voice and music at any volume level is a significant feature of this 1937 Knight. The pure 3 watts output is flawlessly handled by the heavy-duty 6 1/2" dynamic speaker. From a whisper to full volume, you get tonal response at its finest. The tone of the Knight 5 is consistently brilliant in richness and fidelity. Each program—domestic or foreign—is reproduced with uniform clarity. Even the most critical radio listener will heartily endorse the life-like reproduction of the Knight 5.

SET COMPLETE

The new Knight 5-tube A.C. Superhet is offered complete with 1-5W4, 1-6A8, 1-6Q7, 1-6F6, 1-6K7 genuine R.C.A. metal tubes. For operation on 110 Volts, 60 cycle A.C. Shipping weight, 20 lbs. Code: SING. Retail Value, \$39.50.

A9857. YOUR PRICE..... \$19.95

A9857E. EXPORT MODEL. As above but tunes 18-52, 175-550 and 800-2000 meters. Equipped with phono jack and universal transformer for 115-250 volts A.C. operation. With R.C.A. tubes. Code: HEAR. Retail Value, \$44.50.

YOUR PRICE..... \$22.45



ALL-WAVE: 18-550 METERS

RADIO TUBES

RCA - Radiotron • Knight • RAYTHEON

ALLIED shows you the way to bigger tube profits. Handle these money-making lines which offer you amazingly big discounts and powerful sales appeal. These famous tube lines enjoy tremendous customer acceptance. They meet every standard for dependable performance and superb operating efficiency. They heat quicker; they permit peak performance in any receiver and they last longer. Each of these tubes is thoroughly tested and comes to you packed in a factory-sealed carton.

EXTRA DISCOUNTS
On all orders for 25 or more RCA or Raytheon tubes you may deduct an additional 10% discount. Knight tubes are quoted at rock-bottom net prices.

TYPE	YOUR NET PRICE		
	R. C. A.	Raytheon	Knight
1A4	\$0.88	\$0.80	\$0.73
1A6	.73	.68	.61
1B4	1.03	.80	.....
1B5	.73	.68	.....
1C6	.88	.80	.....
1F4	.88	1.11	.73
1F6	.88	.80	.73
2A3	.73	.68	.61
2A5	.58	.55	.49
2A6	.58	.55	.49
2A7	.73	.68	.61
2B7	.73	.68	.61
5Z3	.52	.50	.43
6A4	.73	.68	.61
6A6	.73	.68	.....
6A7	.73	.68	.61
6B7	.73	.68	.61
6C6	.58	.55	.49
6D6	.52	.50	.43
6E5	.88	.80	.73
6E6	.....	.85	.78
6F7	.88	.80	.73
6Z4	.....	.68	.61
12A5	.....	1.05	1.03
12Z3	.58	.55	.49
25Z5	.58	.55	.49
00A	.73	.68	.61
1	.73	.....	.....
1V	.52	.50	.43
01A	.34	.32	.28
10	1.18	1.05	.98
12A	.40	.37	.33
15	.....	1.00	.98
19	.58	.55	.49
20	.58	.55	.49
22	.73	.68	.61
24A	.52	.50	.43
26	.34	.32	.28
27	.40	.37	.33
30	.40	.37	.33

TYPE	YOUR NET PRICE		
	R. C. A.	Raytheon	Knight
31	\$0.40	\$0.37	\$0.33
32	.73	.68	.61
33	.58	.55	.49
34	.73	.68	.61
35	.52	.50	.43
36	.52	.50	.43
37	.40	.37	.33
38	.52	.50	.43
39/44	.52	.50	.43
40	.40	.37	.33
41	.52	.50	.43
42	.58	.55	.49
43	.58	.55	.49
44/39	.52	.50	.43
45	.40	.37	.33
46	.58	.55	.49
47	.52	.50	.43
48	1.47	1.30	1.22
49	.58	.55	.49
50	1.47	1.30	1.22
53	.73	.68	.61
55	.58	.55	.49
56	.40	.37	.33
57	.52	.50	.43
58	.52	.50	.43
59	.73	.68	.61
71A	.40	.37	.33
75	.58	.55	.49
76	.40	.37	.33
77	.58	.55	.49
78	.58	.55	.49
79	.73	.68	.61
80	.34	.32	.28
81	1.18	1.05	.98
82	.52	.50	.43
83	.52	.50	.43
83V	.88	.80	.....
84	.73	.68	.61
85	.58	.55	.49
89	.58	.55	.49

TYPE	YOUR NET PRICE		
	R. C. A.	Raytheon	Knight
V99	\$0.58	\$0.55	\$0.49
X99	.58	.55	.49
WD11	.73	.68	.....
WX12	.73	.68	.....
874	2.88	.....	.....
876	3.94	.....	.....
886	3.97	.....	.....
METAL TYPE TUBES			
6A8	\$0.73	\$0.68	\$0.61
6C5	.59	.55	.49
6F5	.59	.55	.49
6F6	.59	.55	.49
6H6	.59	.55	.49
6J7	.73	.68	.61
6K7	.73	.68	.61
6L6	1.18	1.11	.98
6L7	.88	.80	.73
6R7	.73	.68	.61
6X5	.73	.68	.61
5W4	.59	.55	.49
5Z4	.73	.68	.61
6N7	.88	.80	.73
6Q7	.73	.68	.....
25A6	.88	.80	.73
25Z6	.73	.68	.61
OCTAL GLASS TUBES			
5V4G	\$1.03	\$0.93	.....
5X4G	.73	.68	.....
5Y3	.59	.55	.....
6A8G	.88	.80	.....
6C5G	.59	.55	.....
6F5G	.59	.55	.....
6F6G	.73	.68	.....
6H6G	.59	.55	.....
6J7G	.73	.68	.....
6K7G	.73	.68	.....
6L7G	.88	.80	.....
6N7G	.88	.80	.....
6Q7G	.73	.68	.....
25A6G	.73	.68	.....
25Z6G	.73	.68	.....

NEON GLOW LAMPS

Genuine GE neon gas lamps. Useful in many types of test equipment. Serve as short or leakage indicators, stroboscope illuminators, etc.; will fill many other purposes. Both electrodes glow on AC; only negative glows on DC. These lamps are also ideal for use in the home for night lights, pilot lights for electrical circuits, etc. Very low current drain. For 105-120 volt operation.



STANDARD EDISON BASE

A6450. 2 WATT. 1/2 C.P., .020 Amp. Pear shape. 1 1/4 in. dia. Split-disc electrode.

YOUR PRICE EACH 45c

A6451. 1 WATT. 1 C.P., .010 Amp. Round 1 1/4 in. dia. Spiral electrode.

A6452. 0.5 WATT. .05 C.P., .005 Amp. Round 1 1/4 in. dia. For AC only. Split cylinder electrode.

YOUR PRICE EACH 36c

CANDELABRA BASE

A6454. .25 WATT. Pear shape, clear bulb for tube testers. 3/16 in. dia. Split-cone electrode.

YOUR PRICE EACH 36c

A6455. .5 WATT. Round bulb. 1 1/4 in. dia. .05 C.P. For A.C. only. Split cylinder electrode.

A6456. 1 WATT. Round bulb. 1 1/4 in. dia. 1 C.P. Spiral electrode.

YOUR PRICE EACH 41c

GENUINE SPARTON RADIO TUBES

For use in the older model Sparton sets using 3 volt tubes, for which no other types may be substituted.

TYPE 485

A1055. 485. Amp.-Det. Replaces type 484. **99c** List, \$1.45. NET.

TYPE 483

A1056. 483. Power-Amp. Replaces type 183. **\$1.13** List, \$1.65. NET.

TYPE 482-B

A1057. 482-B. Power-Amp. Replaces type 182-B. **\$1.13** List, \$1.65. NET.

GENUINE KELLOGG TYPE 401 A.C. TUBES

A1060. For use as detector or amplifier. Heater Volts, 3. Heater Amps., 1. Maximum plate volts, 150. **\$2.33** NET


GENUINE KELLOGG TYPE 403 A.C. TUBES

A1061. For use in last audio stage. Heater Volts, 3. Heater Amps., 1.5. Plate Volts (Max.), 150. Grid Volts (negative), 40. **\$2.94** NET



KENRAD 6 & 12 VOLT LIGHT BULBS

G.E. licensed light bulbs of superior construction. Designed for operation from 6 V. storage batteries. Ideal for farm lighting, camps, lodges, house-trailers, auto trouble 1 a m p s, etc. Wind-charger or Rurlpower Gas Engine units (page 12) may be used to keep battery charged. Makes possible efficient and economical lighting systems. These fine bulbs give excellent light and have long life.



No.	6 VOLT LAMPS	12 VOLT LAMPS	EACH
A795	15	2.5 Amp. }	30c
A796	25	4.2 Amp. }	40c
A820	50	8.5 Amp. }	
A821	15	1.3 Amp. }	30c
A822	25	2.1 Amp. }	40c
A823	50	4.2 Amp. }	

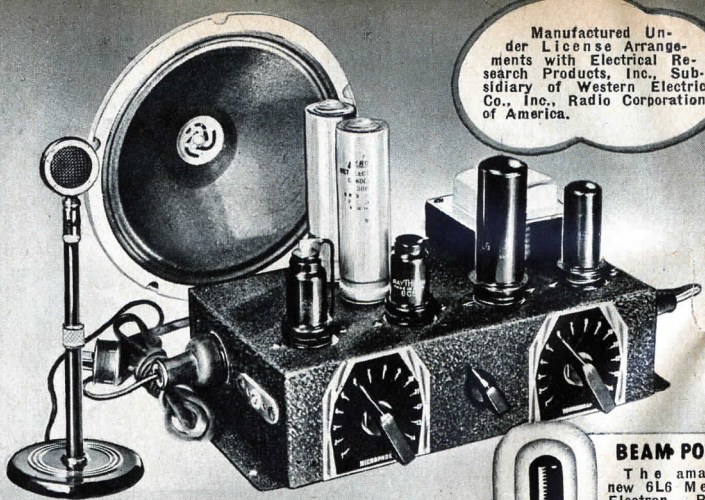
RAYTHEON BH RECTIFIER

The original Raytheon BH full-wave rectifier used in many "B" eliminators and sets. Will deliver full rated output and give dependable long life. Rated at 350 volts RMS per anode; 125 M.A. maximum.

Shdg. wt., 1 lb. **\$2.34**
A395. List Price, \$4.65. NET



Knight 8 WATT High Gain "Little Giant" SOUND SYSTEM



Manufactured Under License Arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.

A new high quality low-cost full 8 Watt Sound System which utilizes all of the advantages of the latest metal tubes for superb reproduction and for full rated output. Ideal for smaller installations where limited sound coverage is desired. Excellent for small orchestras, for churches, club-rooms, store demonstrations, call systems, etc. The high-gain amplifier permits the direct use of the newest type of crystal microphone for unusually fine fidelity. A high grade 8 1/2 inch electro-dynamic speaker handles the full 8 watts output without blasting. The complete Knight 8 Watt High-Gain Sound System includes: 1—Knight "Little Giant" 8 Watt High-Gain Amplifier; 1—Astatic Dual-Diaphragm Crystal Microphone with 25 foot cord and polarized plug; 1—De luxe adjustable banquet stand; 1—Knight 8 1/2 inch dynamic speaker with 25 foot cord and polarized plug; kit of Raytheon metal tubes and complete operating instructions. A complete operating test is made of each system before shipment.

BEAM POWER

The amazing new 6L6 Metal Electron - Beam Power Output tube is used in the Knight "Little Giant" Amplifier.

NEW CRYSTAL MIKE

The Knight 8 Watt High-Gain Sound System uses the new Astatic Dual-diaphragm non-directional Crystal Microphone. The built-in pre-amplifier stage makes its direct use possible without additional external amplification. The Astatic Crystal Microphone features exceptionally fine frequency response; will pick up sound from any angle; reduces "feed-back" to a minimum.

LATEST METAL TUBES

The Knight 8 Watt high-gain amplifier used in the system employs a powerful three stage circuit utilizing the newest metal tubes to the fullest advantage as follows: 1—6J7 as crystal mike preamplifier; 1—6N7 as electronic mixer and driver; 1—6L6 Electron Beam Power tube as power output; 1—5Z4 as rectifier. This modern tube line-up assures absolute rated output and minimum distortion. Full 8 watts is always available.

HIGH-GAIN CIRCUIT

The Knight 8 Watt System has in-pur for high-impedance phonograph as well as for the crystal microphone supplied. Separate volume controls are provided for microphone and phonograph permitting blending and mixing action. Tone Control is also included. Frequency response is essentially flat from 45 to 10,000 cycles. Gain is 90 db. for crystal microphone. Field current for the dynamic speaker is supplied by the amplifier; an extra speaker jack is provided.

AMPLIFIER ONLY

The Knight 8 Watt High-Gain Amplifier is offered separately at an attractive low price. Size: 6x7 3/4 x 12 inches. Weight, 8 1/2 lbs. Has built-in mike and phono mixer. Uses 1—6J7, 1—6N7 and 1—6L6 tubes with 5Z4 rectifier. Has excellent gain of 90 db. with essentially flat frequency response from 50 to 10,000 cycles. Supplies field current for one 1,000 ohm dynamic speaker; output is from plate of 6L6. Input is for crystal microphone and high impedance magnetic pickup. For 110 volts, 60 cycles, A.C.

A9908, 8 Watt High-Gain Amplifier only. List, \$30.00. YOUR PRICE..... \$14.95

A9961, Kit of Raytheon Tubes..... \$3.26

A9907, Amplifier Screen Cover. NET..... .85

SYSTEM COMPLETE

The Knight 8 Watt High-Gain Sound System includes the Little Giant Amplifier described at left, a high grade full 8 1/2 inch dynamic speaker with 25 foot 4 conductor cord and plug attached, an Astatic Dual-diaphragm Crystal microphone with 25 foot cable and plug, attractive microphone banquet stand, a kit of Raytheon metal tubes, and complete operating instructions. For operation on 110 Volts, 60 cycles, A.C.

A9909, LIST PRICE, \$72.50. YOUR PRICE..... \$38.95

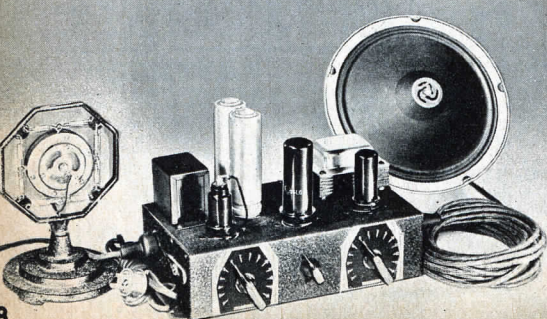


Knight 8 WATT STANDARD "Little Giant" SOUND SYSTEM

An outstanding new inexpensive carbon microphone sound system ideally suited for small installations where limited coverage is desired. Very suitable for use in store demonstrations, small halls, churches, club-rooms, call systems, etc. Comes to you complete, ready to set up quickly and easily. 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 Sound System includes the Little Giant 8 Watt Standard Amplifier, a high quality full 8 1/2 inch dynamic speaker equipped with 25 foot 4 conductor cord and plug, a high grade 2 button carbon microphone with 25 foot 3 conductor cable and plug, attractive 9 inch microphone desk stand, kit of Raytheon tubes and complete operating instructions. The Knight 8 Watt Sound System comes to you complete, with all cables and plugs attached for easy and quick installation.

METAL TUBES—BUILT-IN MIXER

The amplifier used in this Knight 8 Watt System utilizes to the fullest advantage three of the newest perfected metal tubes for maximum power at low cost. A 6J7 voltage amplifier tube and a 6L6 Beam Power output tube provide a gain of 65 db. with full 8 watts power output. A 5Z4 tube is used as rectifier. The complete Knight 8 Watt Sound System has essentially uniform frequency response from 50 to 5,000 cycles. Hum level is minus 23 db. Excellent tonal fidelity is always evident, with full rich output. A variable Tone Control is provided. The Knight Little Giant 8 Watt Sound System is provided with a double button carbon microphone. Also has provision for high impedance phono pickup. Equipped with separate volume controls for both microphone and phonograph which permit effective blending and fading action. MICROPHONE CURRENT IS AUTOMATICALLY SUPPLIED BY THE AMPLIFIER. No external batteries or mixers are required.



COMPLETE SYSTEM

The Knight 8 Watt Sound System includes the Little Giant Amplifier, a high grade full 8 1/2 inch dynamic speaker with 25 foot 4 conductor cord and plug attached, a good quality double-button carbon microphone with 25 foot 3 conductor cable and plug, attractive 9 inch microphone desk stand, a kit of Raytheon metal tubes, and complete operating instructions. For 110 Volts, 60 cycles A.C.

A9906, Complete Knight 8 Watt System. LIST PRICE, \$42.50. YOUR PRICE..... \$21.95

AMPLIFIER ONLY

The Knight 8 Watt Amplifier is offered here separately. Compactly designed; measures 12x6x7 3/4 inches. Weighs 8 1/2 lbs. Has built-in microphone transformer and current supply; with mike and phono mixer. Uses 1—6J7 and 1—6L6 metal tubes and 5Z4 metal rectifier. Has gain of 65 db. with essentially flat frequency response from 50 to 10,000 cycles. Supplies field current for one 1,000 ohm dynamic speaker; output is from plate of 6L6. Input is for single or double-button carbon microphone and high impedance magnetic pickup. For 110 volts, 60 cycles A.C.

A9905, 8 Watt Amplifier only. List, \$24.50. NET..... \$11.85

A9960, Kit of Raytheon Metal Tubes..... \$2.48

A9907, Amplifier Screen Cover (for tubes)..... .85

Manufactured Under License Arrangements with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.



Knight 18 WATT High Gain SOUND SYSTEM

18 WATT SYSTEM WITH CRYSTAL MICROPHONE

An exceptional value in a new low-cost complete Knight 18 Watt Sound System using the latest dual-diaphragm type crystal microphone. A quality system with innumerable applications. Will materially increase the business and profits of orchestras, dance halls, night clubs, restaurants, ball parks, race tracks, small side-shows, etc. Will also serve effectively for speech and music reinforcement and for public address use in churches, schools, halls, at political rallies, for ballyhoo and advertising purposes, etc. The new Knight 18 Watt High Gain system includes: 1—Knight 18 Watt Amplifier; 2—12 inch Knight Dynamic Speakers with 30 foot cords and plugs; 1—Astatic Dual Diaphragm Crystal Microphone; 25 ft. of special crystal microphone cable with polarized plug; 1—De luxe chromium-plated stem microphone floor stand and a complete matched set of Raytheon tubes. The entire system has been designed for simple installation and operation. It can be assembled and operated properly by anyone, without complication.

NEW CRYSTAL MIKE

The new Astatic Dual Diaphragm non-directional Crystal microphone is used with the Knight 18 Watt High-Gain system. This microphone has exceptionally fine frequency response, will pick up sound from any angle and has the advantage of being extremely compact and inconspicuous. Individual volume controls are provided on the amplifier for both microphone and phonograph, permitting blending or fading as desired. Provision is also made for the use of an additional microphone with special selector switch arrangement. Tone Control is included to give bass or treble emphasis. Polarized receptacles are provided for microphone and speakers; a twin jack accommodates phonograph input. Brilliant engineering of the amplifier secures exceptionally high gain and remarkable wide-range fidelity. Frequency response is essentially flat from 50 to 10,000 C.P.S. The four high gain stages develop the exceptionally high gain of 115 db. At full rated output, distortion is only 7%. These splendid characteristics assure outstanding performance.

A POWERFUL LOW-PRICED SYSTEM

The Knight 18 Watt High-Gain System develops full rated output, with admirable fidelity, free from distortion. Four high-gain stages are employed using the latest tubes: 1—6C6, 2—6A6, 2—6B5 and 1—5Z3. The two 6B5 tubes in push-pull assure greater gain with less distortion than any other equivalent tubes. Two giant Knight 12 inch Auditorium Dynamic Speakers adequately handle the output of the amplifier, giving wide-range faithful reproduction. The amplifier supplies all field current for the operation of these speakers. The complete Knight 18 Watt High Gain system includes: 1—Knight 18 watt Amplifier; 1—Astatic dual-diaphragm Crystal Microphone; 25 feet of special crystal microphone cable and polarized plug; 1—De luxe chromium-plated stem floor stand; and 2—12 inch Knight dynamic speakers with 30 foot cords and plugs. Supplied with Raytheon Tubes and instructions. For 110 volts 60 cycles A.C. **\$63⁸⁵**
A9915. List, \$115.00. YOUR PRICE.....

AMPLIFIER ONLY

The Knight 18 Watt High-Gain Amplifier is available separately as an ideal nucleus for powerful low-priced systems. Has input for crystal microphone and phono. Features 4 high-gain stages using 1—6C6 as mike pre-amp.; 1—6A6 as voltage amp. and electronic mixer; 1—6A6 as phase inverter and driver; 2—6B5 as p. p. power output stage; 1—5Z3 as rectifier. Has built-in electronic mixer with individual controls for mike and phono. Wide tone control. Has built-in field excitation for 2-4,000 ohm dynamic speakers; output is universal, tapped at 4, 8, 16 and 500 ohms. Amplifier measures 17 $\frac{1}{2}$ x7 $\frac{1}{2}$ x8 $\frac{3}{8}$ ". For 110 volts, 60 cycles A.C.
A9918. Knight 18 Watt Amplifier, less tubes. **\$27⁹⁵**
List, \$57.50. YOUR PRICE.....
A9964. Raytheon Tube Kit.....\$4.67
A9919. AMPLIFIER SCREEN COVER. Attractive perforated steel shield cover. NET.....\$1.95

KNIGHT 18 WATT SOUND SYSTEM WITH VELOCITY MICROPHONE

The Knight 18 Watt High-Gain Velocity Microphone Sound System is offered to meet a growing demand for ultra high-quality wide-range amplification. This system is essentially the same as that described above, but it is furnished with a high quality velocity microphone. It achieves full coverage and brilliantly realistic tonal output, making it ideal for use by musicians, singers, dramatic artists, churches, orators, etc., for beautiful reinforcement of both voice and instruments. This complete Knight 18 Watt System includes: 1—Knight 18 Watt High-Gain Amplifier; 1—High-grade Velocity Microphone; 25 foot rubber-covered shielded microphone cable and plug; 1—Knight stately-bronze finished microphone floor stand; 2—12 inch Knight dynamic speakers with 30 foot cords and plugs. Complete with Raytheon tubes and full instructions. Operates on 110 volts, 60 cycles, A.C. (Each Knight 18 Watt Sound System is completely tested before shipment so that it measures fully up to the high standards of tonal and power performance of which it is capable.)
A9916. Complete Velocity Microphone System. List, \$122.50. **\$67⁵⁰**
YOUR PRICE.....



See Pages 23-35 of our large 152 page catalog for a complete listing of Amplifiers and Sound Systems ranging from 2 to 60 watts, including School and Institutional Systems, Call Systems, etc. We can supply everything in the Public Address field.

4 HIGH GAIN STAGES • ELECTRONIC MIXER

Manufactured Under License Arrangement with Electrical Research Products, Inc., Subsidiary of Western Electric Co., Inc., Radio Corporation of America.



Knight 20 WATT High Gain MOBILE-PORTABLE SOUND SYSTEM

AVAILABLE NOW FOR OPERATION ON 6 VOLTS D.C. & 110 VOLTS, A.C.

An entirely new powerful Public Address System designed for versatile performance. Operates directly and entirely from a single 6 volt storage battery wherever A.C. current is not available, or may be used on 110 Volts A.C. current simply by adding the inexpensive power pack listed below at right. Has truly universal application for mobile or temporary installations both indoors and outdoors, no matter what the current limitations may be. Will cover large crowds with wonderful power and excellent fidelity. Compact and portable. May be simply and quickly installed or changed from car to car or from one place to another. Features a powerful 20 watt new high-gain circuit for direct operation of a high quality Astatic Dual-diaphragm Crystal Hand Microphone as well as phonograph. Easy to set up and operate.

COMPACT—PORTABLE—COMPLETE

The complete Knight 20 Watt Mobile-Portable System consists of: 1—20 Watt High-Gain Amplifier, high grade dynamotor, single-speed electric phono motor, good quality magnetic pickup and control panel all self-contained in a single compact steel cabinet with carrying handles; 2—new type 12 inch Permanent Magnet Dynamic Speakers with 10 foot cords and polarized plugs; 1—new type Astatic Dual-diaphragm Crystal Hand Microphone with 6 foot cord and polarized plug. Designed to operate directly from a single 6 volt storage battery, but equipped with receptacle for quick connection to special 110 Volt A.C. power pack described below at right, to permit efficient operation from any 110 Volt 60 cycle A.C. line. The powerful 20 Watt High-Gain Amplifier uses six new type tubes in an efficient 4 stage circuit with a gain of 105 db. Tubes used are: 1—6CG, 2—76, and 3—6A6. The amplifier has an essentially flat frequency response from 50 to 10,000 C.P.S.

BUILT-IN MIXER—NEW CRYSTAL MIKE

The built-in control panel conveniently located on the top face of the steel amplifier cabinet carries separate volume controls for the microphone and phono pickup, permitting blending and "mixing" of voice or music as desired. Also includes tone control as well as "on-off" switch and bull's-eye. Polarized receptacles are provided for plugging in microphone, speakers, "A" cable and 110 Volt A.C. power pack. The built-in preamplifier incorporated in the 20 Watt High-Gain amplifier permits the direct use of a new type Astatic Dual-diaphragm Watch-case Crystal Hand Microphone. The use of this new microphone assures exceptional fidelity of voice reproduction and an outstanding quality of tone never before possible in a mobile sound installation.

COMPLETE 20 WATT SOUND 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 A.C. power pack is listed below), complete as follows: 1—20 Watt High-Gain Amplifier, mixing panel, and phonograph in steel cabinet, with 2—12 inch Permanent Magnet Dynamic Speakers with cords and plugs, Astatic Crystal Hand Microphone with cord and plug, and complete operating instructions. Cabinet measures 11 1/2 x 14 x 16 inches. Shpg. wt., 85 lbs.

\$119.50

A9920. Complete 6 Volt 20 Watt System.
List Price, \$240.00. YOUR PRICE, less tubes.....

A9965. Raytheon Tube Kit.....\$3.33

A9921. SPECIAL PLUG-IN 110 VOLT 60 CYCLES A.C. POWER PACK. Permits complete operation of the Knight 20 Watt Mobile-Portable Sound System from any 110 Volt, 60 cycles A.C. line. With rectifier tube.
List, \$25.00. YOUR PRICE.....\$129.5

10 WATT MOBILE SOUND SYSTEM

A moderately-priced medium-power compact Mobile Sound System designed to operate entirely from a single 6 volt storage battery. Delivers full 10 watts output for good coverage from sound cars and trucks. Consists of: 10 watt amplifier with built-in vibrator "B" supply, hand-wound spring phonograph motor, high quality magnetic pickup, and control panel built into a compact sturdy steel case; 1—2 Button Hand Microphone with 6 foot cord and polarized plug; 1—Knight 12 inch 6 volt dynamic speaker with 10 foot cord and polarized plug. Amplifier has individual volume controls for phonograph and microphone, master "on-off" switch and polarized receptacles for plugging in microphone, speaker and "A" cable. Absolutely portable for quick installation. The efficient 3 stage amplifier uses 1—7D and 2—6A6 tubes, with 84 rectifier; has a gain of 65 db., and a frequency response essentially flat, from 60 to 10,000 C.P.S. Total drain is only 6.75 amps. The complete system includes: amplifier and phonograph built into steel cabinet, 12x12x10 inches; 1—12 inch Knight dynamic speaker with 10 foot cord and plug; 1—2 Button Hand Microphone with 6 foot cord and plug; instructions. Wt., 43 lbs.

A9900. List, \$127.50.
YOUR PRICE.....
less tubes.....

\$62.75

A9962. Raytheon Tube Kit.....\$2.72



Knight PORTABLE SOUND SYSTEMS

18 WATT HIGH-GAIN 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, $9\frac{1}{4} \times 18\frac{1}{2} \times 18\frac{1}{2}$ inches. Weighs only 45 lbs. complete. The Knight 18 Watt Portable Sound System is also arranged for phonograph input. (See page 23 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, ease of operation and highest tonal fidelity, the Knight 18 Watt Portable Sound System is unrivalled.

WITH NEW DUAL-DIAPHRAGM 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 remarkable high gain of 115 db. to utilize the crystal microphone to fullest advantage. Frequency response is essentially flat from 50 to 10,000 C.P.S. The full 18 watt output from the circuit is assured by the use of the following tubes: 1—6C6, 2—6A6, 2—6B5, 1—5Z3.

SYSTEM COMPLETE

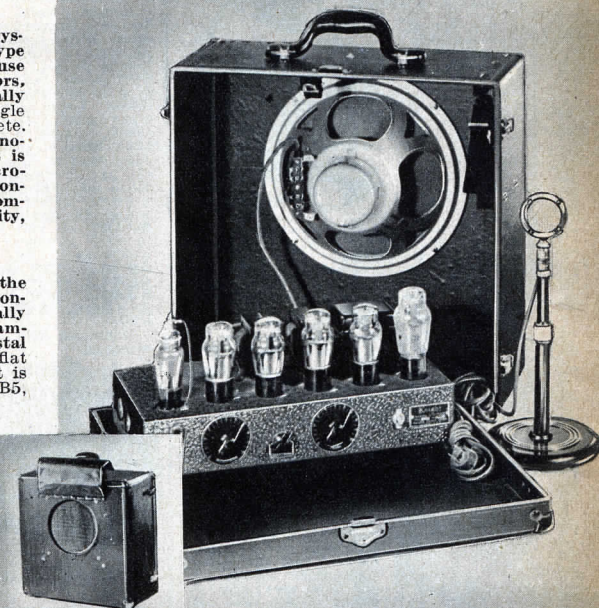
The complete Knight 18 Watt Portable Sound System includes: 1—18 watt high-gain amplifier; 1—dual diaphragm crystal microphone mounted on 10 inch banquet stand with 25 foot cable and polarized plug; 1—12 inch Knight dynamic speaker with 30 foot cable and plug. Entirely self-contained in a single sturdy carrying case. Complete with tubes and instructions. For operation on 110 Volts, 60 cycles

\$64⁵⁰

A.C. \$9.10. List, \$116.50

YOUR PRICE COMPLETE.....

(Extra speaker in portable case is available at \$9.97. The above system can also be had with a de luxe floor stand instead of banquet stand at \$1.25 additional.)



8 WATT High-Gain SYSTEM

A new Knight 8 Watt High-Gain Portable Sound System designed for coverage of small audiences. Ideal for musical organizations, lecturers, demonstrators, side-shows, etc. Uses the new Astatic Dual-Diaphragm Crystal Microphone for quiet performance and clear reproduction of both voice and music. Input is provided for the crystal microphone supplied and for a high impedance phonograph. Individual volume controls are provided for microphone and phonograph for mixing and blending voice and music. Tone control permits compensation for varying acoustical conditions. The use of the latest powerful metal tubes in the high-gain circuit of the amplifier assures full 8 watts output practically free from distortion. The new 6L6 Electron Beam Power Tube plays an important part in developing this flawless power. A large $8\frac{1}{2}$ inch Knight Dynamic speaker handles full volume without blasting. All components are housed in a single compact carrying case, $8\frac{1}{2} \times 12\frac{3}{4} \times 16\frac{3}{4}$ inches. Weight complete is only 24 lbs.

COMPLETE 8 WATT HIGH-GAIN SYSTEM

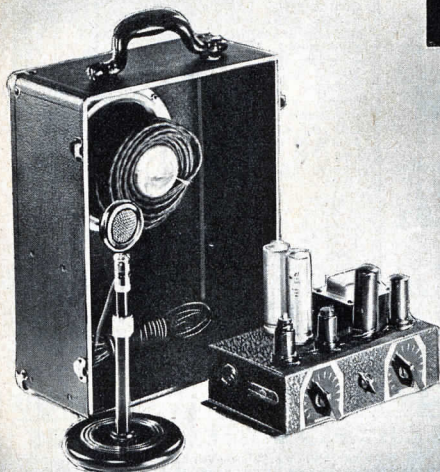
The complete Knight 8 Watt High-Gain Portable System includes: 1—Knight 8 Watt high-gain amplifier; 1—Astatic Dual-diaphragm microphone mounted on an attractive banquet stand with 25 foot cable and polarized plug; 1— $8\frac{1}{2}$ inch Knight dynamic speaker with 25 foot cable and plug. Entirely self-contained in a single sturdy carrying case. Complete with tubes and instructions. For operation on 110 volts, 60 cycles, A.C. A wonderful value in a complete, compact full 8 watt portable system.

\$44³⁵

A9911. List, \$82.50.

YOUR PRICE COMPLETE.....

(The above system can also be had with a de luxe floor stand instead of banquet stand at \$1.25 additional.)



8 WATT STANDARD SYSTEM

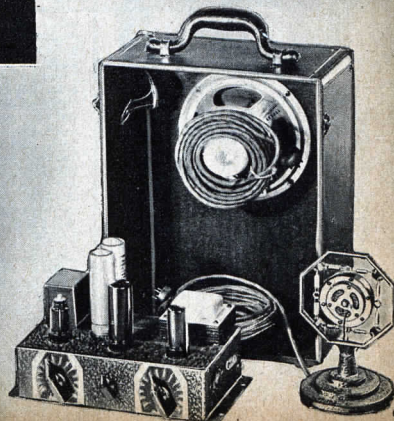
COMPACT—PORTABLE—INEXPENSIVE

A compact new portable sound system delivering a full output of 8 watts. Uses the genuine new metal tubes throughout. Exceptionally well-suited for small orchestras, demonstration purposes, ballyhoo, small halls, political rallies, etc. Entirely contained in a single case, $8\frac{1}{2} \times 12\frac{3}{4} \times 16\frac{3}{4}$ inches. Weighs only 24 lbs. The Knight 8 Watt Standard Portable System has input for phonograph as well as for microphone. It is provided with individual volume controls for microphone and phonograph to permit "mixing" action. Also includes tone control. Microphone transformer and current supply are built into the amplifier. Full eight watts output and minimum distortion are assured by the use of the amazing new 6L6 Electron Beam power tube. Complete system includes: 1—8 watt metal tube amplifier; 1—high quality carbon microphone in desk stand with 25 foot cord and polarized plug; 1— $8\frac{1}{2}$ inch Knight dynamic speaker with 25 foot cable and plug—all in a single unit carrying case. Uses 1—6J7, 1—6L6, 1—5Z4 metal tubes. For 110 volts, 60 cycles A.C. An unusual value in a high quality full eight watt portable sound system.

A9912. Complete with tubes. List, \$52.50. **YOUR PRICE**

\$27³⁵

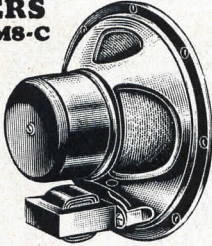
See Pages 23-35 of our large 152 page catalog for a complete listing of Knight Amplifiers and Sound Systems ranging from 8 to 60 watts, including School and Institutional Sound Systems, Call Systems, etc. We can supply everything in the P. A. field. Write us first!



SPEAKERS · BAFFLES · MICROPHONES

JENSEN DYNAMIC SPEAKERS MODEL PM8-C

A new line of Permanent Magnet type dynamic speakers noted for fidelity and power-handling capacity. No field energy is required. Ideal for P.A. work, for battery receivers, etc. Supplied with 8 ohm voice coil at 400 cycles and output transformer. Specify output tubes when ordering.



A9676, 8" MODEL. For use in console radios or for call systems. 3 1/2" deep. Specify output tubes. NET **\$573**

10 INCH MODEL PM10-C

Same design as above; especially suited for receivers and for small public address installations. Specify output tubes. **A9677.** YOUR PRICE **\$794**

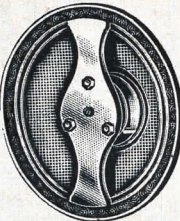
MODEL B12-X

A full 12" dynamic speaker recommended for use wherever fine fidelity performance is required. Ideal for Public Address systems. Will handle 10 watts continuous. Equipped with handwinding coil and output transformer. Specify output tubes when ordering. 8 ohm voice coil.

Shpg. wt., 14 lbs. **A9668.** 1250 OHM FIELD. **A9669.** 2500 OHM FIELD. List, \$16.50. NET EACH **\$970**

NEW CINAUDAGRAPH Magic Magnet DYNAMIC SPEAKERS 8" MODEL

Gives new fidelity and greater power results. Response curve flat from 100 to 7000 cycles. New design; new features. Polynfibrous cone eliminates resonant peaks; new permanent magnet produces greater flux density. Voice coil is non-resonant. No field excitation current required. The 8 inch model is ideal for use with auto and battery sets, P.A. systems, etc. Voice coil, 15 ohms at 400 C.P.S. 2 1/2" deep. Shpg. wt., 3 lbs. **A9281.** 8 INCH MODEL. YOUR PRICE **\$703**



ASTATIC D-2 WATCH CASE MODEL

A2192. List, \$25.00. NET, **\$1470**



A small, light crystal microphone of exceptionally good frequency response characteristics. Uses a new Grafoil Bimorph Crystal and dual diaphragm design. Non-directional; feedback tendency is reduced to a minimum. Remarkable frequency response is flat from 20 to 5500, with rising characteristics to 10,000 cycles. Output level—64 db. Attractively finished in chromium. Only 2 1/2 inches in diameter, 1/2 inch thick. Shpg. wt., 2 lbs. **A2193.** D-2 Microphone as above, but with 25 ft. cord. NET..... **\$15.76**

BRUSH BR2S CRystal MIKE

A high-quality, low-priced spherical microphone of compact, light-weight design. The special generating agent consists of two distinct piezo-electric sound cells connected in a balanced series circuit. Has excellent frequency response, with output of —66 db. Ideal for P.A., broadcast, police, amateur and commercial use. Only 2 1/4" diameter. Finished in beautiful dull chromium plate. Furnished with locking type plug and socket connector, for suspension or stand mounting. **A2187.** YOUR PRICE **\$2793**



OUR COMPLETE 152 PAGE 1937 CATALOG SHOWS A FULL LINE OF MICROPHONES AND SPEAKERS. WRITE FOR FREE COPY.

KNIGHT AUDITORIUM DYNAMIC SPEAKERS

Ruggedly built, powerful 12 inch Auditorium Dynamic Speakers designed to reproduce large audio power with absolute fidelity. Ideal for use with all types of Public Address Systems. Will easily handle 10 to 15 watts of power without distortion. This speaker has a one-piece pressed cone with new 3 point spider suspension. Voice coil dia., 1 1/4 inches. Large field coil dissipates from 10 to 15 watts safely. Maximum overall height is 12 1/2 inches. Depth 7 inches. Supplied in D.C. excited types of various field resistances or in an A.C. operated type using an 80 rectifier. Voice coil has 16 ohms impedance. All speakers are supplied less output transformers. Special Knight Universal Output Transformer tapped to match any power tube combination is listed below.

A9460. 6 Volt Field. (4 ohm) Battery Excitation. **A9461.** 1000 ohm Field. } NET **\$595**
A9462. 2500 ohm Field. } EACH
A9463. 4000 ohm Field. }
A11005. Knight Universal Output Transformer. NET **.95c**
If ordered with speaker specify output tubes and how connected.



A9464. 12 inch Auditorium Dynamic for 110 Volts, 60 Cycles, A.C. Less 80 Tube. YOUR PRICE **\$8.75**

PORTABLE MODELS

The Knight Auditorium Speakers above are available mounted in leatherette covered, portable cases with removable covers. Ideal for portable or mobile sound use. Case size: 13 1/2"x13 1/2"x3 inches. Less output transformer. See Knight Universal Output Transformer above. NET, EACH **\$895**
A10100. 6 VOLT FIELD..... }
A10101. 1000 OHM..... } **\$895**
A10102. 2500 OHM..... }
A10103. 4000 OHM..... }
A10104. For 110 Volts, 60 Cycle, A.C. Self-excited; requires 80 type rectifier tube. NET..... **\$11.75**
A9467. Case only. Less Speaker. NET..... **\$3.15**



IN PORTABLE CARRYING CASE

ALUMINUM BAFFLE FLARE TYPE BAFFLES

DeLuxe Model

Ruggedly built of heavy spun aluminum. Weatherproof; light-weight; portable. Correctly designed. Flare, 16 1/2" dia., 9 1/2" long. Bell housing, 10" deep; felt-lined to eliminate reverberation. Supplied with weatherproof cover and protective metal screen. For speakers smaller than 12" dia. use reducer rings listed below. Shpg. wt., 6 lbs. **A10282.** NET **\$8.82**



STANDARD MODEL

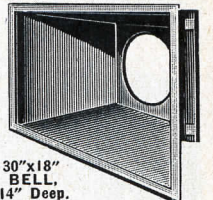
A10283. Same sturdy baffle as above, but less weatherproof cover and absorbent felt lining in dome. NET..... **\$5.28**

A10284. TRUMPET FLARE only. For mounting on front of portable cases, etc. 16 1/2" dia. x 9 1/2" long. Wt., 3 lbs. NET..... **\$4.26**

A10280. REDUCER RINGS. For reducing size of opening. State speaker size when ordering. EACH **44c**

FLARE TYPE BAFFLES

Semi-directional, weatherproof baffle horns. Attractively finished in brilliant aluminum. Will improve the frequency response, increase the efficiency, and direct the sound distribution of any dynamic or magnetic speaker. Easily demountable. Supplied with or without 30"x18" BELL. Deep.



out speaker housing case. Housing case aids in directing sound forward for large area coverage, or for reducing acoustic feedback. Type A is for speakers with 10 to 12 inch cones. Type B is for 7 to 9 inch cones. Wt., 10 lbs. Can be assembled or disassembled in a few minutes with a socket wrench or a pair of pliers.

LESS SPEAKER HOUSING

A10276. TYPE A. **A10277.** TYPE B. YOUR PRICE, EACH..... **\$395**

WITH SPEAKER HOUSING

A10278. TYPE A. **A10279.** TYPE B. EACH..... **\$6.80**

SHURE CRYSTAL MICROPHONES

A high grade line of new type crystal microphones. Noted for high quality sound reproduction. Extensively used for all types of P.A. work requiring exceptionally fine tonal quality. No mike current required.

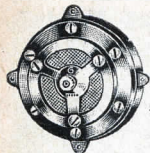
Ultra Wide-Range Crystal Mikes

New Shure microphones providing reproduction from 40 to 10,000 cycles, with response fidelity that will amaze you. New type crystal mounting provides the highest output level consistent with good fidelity; single curvilinear diaphragm is of high efficiency, acoustically correct design. Diaphragm is protected even when case is opened, by internal screen. Crystal is moisture-sealed; scientifically designed acoustic network provides full barometric compensation. Available in 3 models. All have a standard 3/8"-27 thread for stand mounting and are supplied with 7 ft. shielded rubber-covered cable. **A7717.** 702A. Spherical semi-nondirectional type, 2 1/4" overall diameter. Rubber-black finish with chromium trim. Shpg. wt., 1 lb. **A7715.** 700A. Semi-directional type. Swivel arrangement for tilting head. Chromium finish. 2 1/2" diameter. Shpg. wt., 2 lbs. **A7716.** 701A. Spherical type case; rubber black screen covers with chromium trim. Shpg. wt., 1 lb. List Each \$25.00. NET EACH..... **\$1470**



MICROPHONES • PHONO EQUIPMENT

KNIGHT MICROPHONES TWO BUTTON

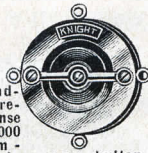


A7562.
\$2.95

A well-constructed microphone at a low price. Frequency range from 40 to 3500 cycles. Diaphragm of selected Duralumin stretched at correct tension; heavy cast metal case. Standard 200 ohms per button.

A7643.
\$4.35

An outstanding value. Frequency response from 45 to 7000 C.P.S. Impedance 200 ohms per button. Stretched duralumin diaphragm with gold-spotted centers. Case 3" in diam.; 7/8" thick. Satin-nickel finish.



Knight Microphone Stands

Professional type stands; two-piece telescoping construction with sure-grip friction clutch. Adjustable from 47 1/2 to 78 inches. Cast base weighs 10 pounds; ring is 6 1/2 inches in diameter. Cord goes through the hollow stem and base. Shpg. wt., 17 lbs.

Standard Model

An unusual value in quality stands. Finished in handsome statuary bronze. With 6 1/2" ring and 8 springs for microphone. **A9985. \$4.30**
NET.....

De Luxe Model

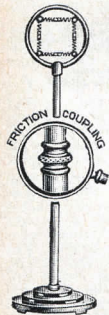
Similar to the Standard Model; stem is in beautiful satin chromium; base in black crystal. An attractive microphone stand. **A9986. \$5.25**
NET.....

Stands Without Rings

Same stands as above but less microphone ring. Threaded 3/8-27; for almost all Crystal or Velocity mikes.

A9987. \$3.70
Standard.
NET.....

A9988. \$4.65
DeLuxe.
NET.....



KNIGHT DESK STANDS

Modernistic desk stands in handsome crackle enamel finish. Excellent for studios, public address. With 8 springs.

9 INCH STAND \$1.18
With octagonal 5 1/2 inch ring. Height, 9 inches.
A9158. NET.....

10 INCH STAND \$1.45
Has a 6 inch ring, 10 in. high. An amazing value.
A9159. NET.....

WEATHERPROOF MICROPHONE CABLE



Heavy rubber jacket over tinned copper shielding. Ideal for outdoor and heavy duty service.

No.	Cond.	Per Ft.	100 Ft.
A3514	2	3c	\$2.45
A3515	3	4c	3.75

CRYSTAL MICROPHONE CABLE



Shielded, rubber-jacketed cable. Conductor is of fine stranded copper; extremely flexible.

No.	Cond.	Per Ft.	100 Ft.
A2499	1	3 1/2c	\$3.10
A2498	2	6c	5.60

Packard Automatic Record Changers

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, 5 1/2" high, and 12" wide. Extremely simple to mount. For 110 Volts, 60 cycles operation. Shpg. wt., 26 lbs. Less Case.

A10085. With Magnetic Pickup. **\$27.81**
EACH

A10086. With Crystal Pickup. **\$27.81**
EACH

A10090. With Magnetic Pickup. **\$32.25**
A10091. With Crystal Pickup. **\$32.25**
EACH



MODEL L

Mechanism only, less case. Size 14" wide x 15" long x 5 1/2" high. Will play eight 10" records or seven 12" records automatically. 26 lbs.

A10087. With Magnetic Pickup. **\$32.45**
A10088. With Crystal Pickup. **\$32.45**
EACH

A10092. With Magnetic Pickup. **\$37.20**
A10093. With Crystal Pickup. **\$37.20**
EACH

WEBSTER HIGH FIDELITY

MAGNETIC PICKUP

Plays Both 78 and 33 1/3 R.P.M. Records 100-7000 C.P.S.



Perfectly balanced. Wide range response for brilliant reproduction. Plays all records up to 12 inches in size. Impedance 9100 ohms; output .5 volt. **A2290.** Without Volume Control. **\$4.95**

A2291. With Volume Control. **\$5.65**
NET.....

ASTATIC PIEZO CRYSTAL



The finest pickups available today. Have a brilliance of reproduction not found in any other type. Frequency response is flat. Always in adjustment. Imp. 80,000 ohms; connects direct to grid or through transformer to line.

A7693. 8" arm for 10" or 12" records. NET..... **\$7.06**

A7694. 12" arm for 10" to 16" records. NET..... **\$8.82**

AMPERITE VELOCITY MICROPHONES

A complete line of highest quality ribbon-velocity microphones. Modern streamline construction; acoustically designed. Unexcelled for quality and fidelity of reproduction. Swivel brackets threaded 3/8-27; with shock absorbers.

A2270. Model RBS. For voice or music. Range 60-7500 CPS; 200 ohms; output —64 db. Less switch. **A2271.** MODEL RS-H. As above but with high impedance output of 2000 ohms. **\$18.81**
YOUR PRICE EACH.....

A2272. MODEL RB-M*. Particularly recommended for high quality speech and music reproduction. Frequency response is from 40-11000 CPS. Output 200 ohms; —60 db. Has built-in switch. With 25 ft. cable. **A2273.** MODEL RB-H*. Same as Model RB-M above but high impedance output of 2000 ohms fit into tube grid.

A2274. MODEL RB-B*. Highly directional type. Ideally suited to theatre stage installations. Frequency range is flat from 40-11000 C.P.S. Low impedance output, 200 ohms; —63 db. With switch. **A2275.** MODEL RB-HB*. Same as Model RB-B above but high impedance type, 2000 ohm output. **\$24.70**
YOUR PRICE EACH.....

A2278. MODEL RB-DI*. New dual impedance velocity microphone. Will perform with maximum efficiency when coupled to either high or low impedance amplifier input circuit. Can be used with cable length up to 2000 ft. **\$26.46**
List, \$45.00. YOUR PRICE.....

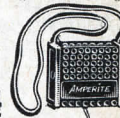
A2268. MODEL RAL*. A high quality moderately priced ribbon velocity microphone of typical high quality Amperite construction. Has unusually fine frequency response for both voice and music. Output 200 ohms, —68 db. 8 ft. of cable. **A2269.** MODEL RAH*. As above but high impedance to connect directly to tube grid. Output 2,000 ohms. 12 ft. of cable. **\$12.94**
YOUR PRICE EACH.....

*All Amperite ribbon-velocity microphones listed above have gun-metal finish. Available also in chrome finish at 59c net additional. Add letter "C" to stock number and specify "chrome finish" when ordering.



JUNIOR VELOCITY

Small in size but capable of really high quality performance. Reproduction is flat and clear. Flat response from 60 to 7500 CPS for all voice work. Output —68 db. Size only 1 1/4 x 1 1/2 x 1 in. Wt., 8 oz. **A2276.** 200 ohm Model. **\$17.64**
A2277. High Impedance Model. **\$17.64**
List, \$30.00. NET EACH.....



EXTERNAL INPUT TRANSFORMER

A2279. Permits use of low impedance velocity microphone with high impedance amplifier input circuit. Has hum bucking winding. **\$2.94**
NET.....

Coupling Transformer



AG050. SINGLE BUTTON TYPE. Has primary for standard 200 ohm single button microphone; secondary for coupling to tube grid. Completely shielded. **AG051.** TWO BUTTON TYPE. For all two button type microphones. Primary impedance, 200-200 ohms; secondary to tube grid. Turn ratio, 1 to 45. **\$1.15**
NET.....

MIKE CONNECTORS



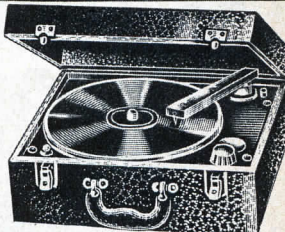
For quick, sure connection of microphones to any sound equipment. Chrome-finished brass shells, with sturdy plugs and receptacles. Threads are 3/8"-27.

CABLE TYPE PLUGS. EACH
A1965. 3 PRONG 59c
A1966. 4 PRONG 65c

RECEPTACLES. EACH
A1967. 3 CONTACT 59c
A1968. 4 CONTACT 65c

ELECTRIC PORTABLE PHONOGRAPH

Leatherette covered case; 15 1/2 x 13 1/4 x 4 1/4 in. open, 15 x 13 x 4 in. closed. Single speed 78 R.P.M. motor operates from 110 volts 60 cycles A.C.; self-starting synchronous type. Magnetic pickup has excellent frequency response. 12" turntable. Built-in volume control and needle cup. **A10080. \$13.65**
NET.....



GREEN FLYER PHONO MOTORS



SINGLE SPEED **78 R.P.M.**

Governor-controlled induction type motor. Operates quietly. With 10 inch turntable and speed control lever. Operates on 110 Volts, 50-60 cycles A.C. Mounting 6 1/4 x 4 1/4". With hardware. **\$7.35**

A10070. NET.....

HOW TO ORDER FROM THE ALLIED CATALOG

HOW TO SEND MONEY

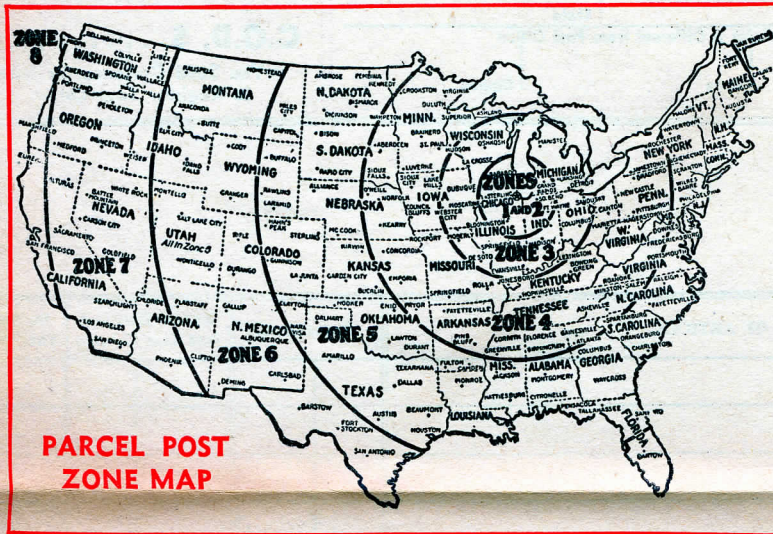
Postoffice or express money orders, bank drafts, or personal checks are the safest methods to use in sending money. If you send currency, be sure it is wrapped in heavy paper and sent by registered mail.

TERMS

Our terms are cash with order or C.O.D. New customers should accompany initial order with at least 20% deposit. Our catalog prices are net F.O.B. Chicago or factory. All trade and cash discounts have already been deducted.

HOW TO ESTIMATE POSTAGE

On parcel post shipments be sure to include enough money to cover postage and insurance charges. These charges can be easily computed from the zone map, rate chart and insurance chart shown below. Any excess remittance will be promptly refunded.



Packages Under 8 Ounces, Allow 1½c Each 2 Ounces

WEIGHT, IN POUNDS	ZONES							
	First, Up to 50 MILES	Second, 50 to 150 MILES	Third, 150 to 300 MILES	Fourth, 300 to 600 MILES	Fifth, 600 to 1000 MILES	Sixth, 1000 to 1400 MILES	Seventh, 1400 to 1800 MILES	Eighth, Over 1800 MILES
1	8c	8c	9c	10c	11c	12c	14c	15c
2	10c	10c	11c	14c	17c	19c	23c	26c
3	11c	11c	13c	17c	22c	26c	32c	37c
4	12c	12c	15c	21c	27c	33c	41c	48c
5	13c	13c	17c	24c	33c	40c	50c	59c
6	14c	14c	19c	28c	38c	47c	59c	70c
7	15c	15c	21c	31c	43c	54c	68c	81c
8	16c	16c	23c	35c	49c	61c	77c	93c
9	17c	17c	25c	38c	54c	68c	86c	\$1.03
10	18c	18c	27c	42c	59c	75c	95c	1.14
11	19c	19c	29c	45c	64c	82c	\$1.04	1.25
12	21c	21c	31c	49c	70c	89c	1.13	1.36
13	22c	22c	33c	52c	75c	96c	1.22	1.47
14	23c	23c	35c	56c	80c	\$1.03	1.31	1.58
15	24c	24c	37c	59c	86c	1.10	1.40	1.69
16	25c	25c	39c	63c	91c	1.17	1.49	1.80
17	26c	26c	41c	66c	96c	1.24	1.58	1.91
18	27c	27c	43c	70c	\$1.02	1.31	1.67	2.02
19	28c	28c	45c	73c	1.07	1.38	1.76	2.13
20	29c	29c	47c	77c	1.12	1.45	1.85	2.24
For Each Additional Pound Add	1c	1c	2c	3½c	5c	7c	9c	11c

BE SURE TO INCLUDE SUFFICIENT POSTAGE WITH PARCEL POST ORDERS
(Any excess promptly refunded)

INSURANCE CHARGES

All parcel post shipments are covered against damage or loss. Insurance costs must be included with postage charges. Allow for insurance at the following rates:

Up to \$5.00.....	5c	\$25.00 to \$50.00....	15c
\$5.00 to \$25.00....	10c	\$50.00 to \$100.00....	25c
\$100.00 to \$150.00..	30c	\$150.00 to \$200.00..	35c

C.O.D. CHARGES

C.O.D. charges and money order fees are added to all C.O.D. parcel post shipments. These charges can be saved by sending full payment for the merchandise ordered, plus postage and insurance costs. Any excess remittance will be promptly refunded.

C.O.D. Charges (Less M.O. Fee):	
12c additional up to \$5.00.....	(Includes Insurance)
17c additional between \$5.00 and \$25.00....	(Includes Insurance)
22c additional between \$25.00 and \$50.00....	(Includes Insurance)

HOW TO ESTIMATE EXPRESS CHARGES

Express Shipments

Console sets, Wind-chargers, storage batteries and other merchandise which we indicate as "not mailable" should be shipped by express for greatest safety in handling and for speedy delivery. Express rates include insurance.

Weight Not More Than	FOR DISTANCES OF							
	50 Mi.	150 Mi.	300 Mi.	500 Mi.	750 Mi.	1000 Mi.	1500 Mi.	2000 Mi.
5 Lbs.	\$0.39	\$0.41	\$0.45	\$0.48	\$0.52	\$0.56	\$0.66	\$0.76
10 Lbs.	.43	.48	.56	.62	.69	.76	.98	1.16
15 Lbs.	.47	.54	.66	.75	.86	.97	1.29	1.57
20 Lbs.	.51	.61	.77	.89	1.03	1.18	1.61	1.98
25 Lbs.	.55	.67	.87	1.02	1.20	1.35	1.93	2.39
35 Lbs.	.63	.80	1.08	1.29	1.54	1.79	2.56	3.20
45 Lbs.	.71	.93	1.29	1.56	1.88	2.21	3.19	4.02
55 Lbs.	.79	1.06	1.50	1.83	2.22	2.62	3.82	4.83
75 Lbs.	.95	1.32	1.92	2.37	2.90	3.44	5.08	6.46
95 Lbs.	1.11	1.58	2.34	2.91	3.58	4.26	6.33	8.09
For Each 100 Lbs.	1.15	1.65	2.45	3.05	3.75	4.47	6.65	8.50

Express or Freight

It is not necessary to include express or freight charges with your remittance unless your local station handles only pre-paid shipments. If there is no express or freight station in your town, be sure to mention the closest one.

PLACE
POSTAGE
STAMP
HERE

ALLIED RADIO CORP.

833 W. JACKSON BLVD.

CHICAGO · ILLINOIS

SECTION 7

FROM:

Name

Street
and No.

RFD

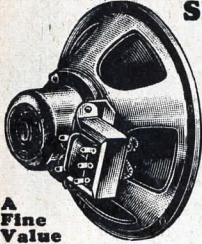
Box No.

Post

Office

State

KNIGHT DYNAMIC SPEAKERS 8 1/2 INCH



A Fine Value

An ideal speaker for use with console receivers and small public address systems. Will handle full volume without overloading or distorting. Correctly aligned voice coil and cone assure maximum efficiency without rattles or objectionable vibration. Voice coil 7/8" diameter; impedance, 350 ohms at 400 cycles. Field resistance, 2500 ohms. 8 1/2" overall diameter; only 3 3/4" deep. Supplied with output transformer to correctly match output tubes as listed below.

A9358. Single or P.P. 43, 45, 71A.
A9359. Single 41, 42, 47, 2A5, 6F6.
A9360. P.P. 41, 42, 47, 2A5, 6F6.
YOUR SPECIAL PRICE..... \$2.40

6 INCH MODEL

Ideal for medium-sized sets. Gives smooth performance. Voice coil 3/4" dia.; impedance 3 1/2 ohms at 400 cycles. Field resistance, 2500 ohms; with transformers as listed below.
A9355. Single or P.P. 43, 45, 71A.
A9356. Single 41, 42, 47, 2A5, 6F6.
A9357. P.P. 41, 42, 47, 2A5, 6F6.
YOUR SPECIAL PRICE..... \$1.59

Universal Replacement 12 INCH DYNAMIC

A radically new speaker with Universal field coil and Universal output transformer features. Universal field coil has resistances as follows: 2500, 2200, 1800, 1500, 1000, 700, 300 and 150 ohms tapped at 300 ohms; will replace any speaker with these field resistances. Overall dia., 12 1/2"; depth, 7". Universal output transformer matches any single or push-pull output tube.
A9319. Model 990.
YOUR PRICE..... \$4.85



EXACT DUPLICATE FIELD COILS



Popular types are listed below. We can supply others; simply send in old coil as sample or give full specifications. We will supply or quote promptly.

Cat. No.	Set or Speaker	Res. Ohms	YOUR PRICE
A2950.	Apex-Gloritone 26	11.500	\$1.47
A2951.	Apex 26A	11.500	1.47
A2965.	Majestic G1	3.100	3.15
A2966.	Majestic G2	2.730	3.15
A2982.	Philo 86, 87, 65.	3.200	2.65
A2989.	Victor RE32, 45, 75	3.000	2.82

SPEAKER SHIMS

Celluloid spacers for centering and adjusting speaker voice coils and armatures. Kit includes: 4 shims—.005; 4 shims—.0075; 4 shims—.010; 4 shims—.0125.
A2999.
YOUR PRICE..... 36c



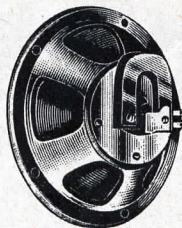
SPEAKER CONE CEMENT

A service necessity. In convenient metal tube containing 3 ounces. No waste. Readily cements cones, paper rings and felts to speaker frames. Dries quickly, and holds permanently. A necessary item in the serviceman's kit.
A2931.
YOUR PRICE..... 24c



KNIGHT MAGNETIC SPEAKERS

8 1/2 INCH MODEL



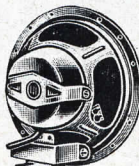
A9253 \$1.78

Ideal for battery set use and as extension speakers in hotel, school, and similar multiple-speaker installation. Is 8 1/2" in dia., 3 3/4" deep. Has extra flexible diaphragm and heavy-duty magnet. Will easily handle up to 1 1/2 watts of audio without distortion. Carefully assembled to insure long life and freedom from rattles and objectionable vibration. DC resistance, 1000 ohms. Shipping wt., 4 lbs.

5 INCH MODEL

Similar in design to above. For use in battery and small AC or AC-DC sets where space is limited. 1000 ohms D.C. resistance. Shpg. wt., 3 lbs.
A9251.
YOUR SPECIAL PRICE..... \$1.13

UTAH 8" DYNAMICS



A well-designed dynamic speaker for use in small console receivers, etc., where high quality reproduction is desired. Has heavy pressed steel frame; molded ribbed diaphragm. Voice coil impedance is 4 ohms at 400 cycles. Requires 6.5 watts field excitation. With 2500 ohm field coil and transformers as listed below. Shpg. wt., 5 lbs.
A9437. Single or P.P. 43, 45, 71A.
A9438. For Single 41, 42, 47, 2A5, 6F6.
A9439. For P.P. 41, 42, 47, 2A5, 6F6.
 List. \$6.50.
YOUR PRICE..... \$3.82
 EACH.....

UTAH 10" DYNAMICS

A high quality dynamic speaker designed to handle up to 9 watts power output. Voice coil impedance is 6 ohms at 400 cycles. Requires 9 watts field excitation. With transformer and 2500 ohm field. Shpg. wt., 10 lbs.
A9245. Single or P.P. 43, 45, 71A.
A9246. Single 41, 42, 47, 2A5, 6F6.
A9247. P.P. 41, 42, 47, 2A5, 6F6.
 List. \$8.25.
YOUR PRICE..... \$4.85
 EACH.....

Exact Duplicate Speaker Cones

Duplicate replacement cones accurately designed and carefully constructed to match the originals. One piece seamless material is used; noted for enduring, non-resonant quality. An accurately wound voice coil is included with each cone. Voice coils are also exact duplicates of the originals in all specifications. For improved tone quality, use these reliable exact duplicates.

If the cone assembly you require is not listed, write for quotation or send in old cone with deposit and we shall ship exact duplicate at a price not to exceed \$2.75 for standard types. If entire speaker is sent, add \$1.00 to price of cone for cleaning and installing.

Catalog No.	For Model	Outer Dia., In.	YOUR PRICE
A9361.	A.K. Pt. No. 15142, mod. 43, 46, 55, 60, 64, 66, 67, F4.	10 3/4"	\$1.08
A9362.	A.K. Pt. No. 14374, mod. 43, 46, 55, 60, 64, 66, 67, F2.	10 3/4"	1.18
A9369.	Crosley M45 Mod. 262, 40S, 42S, 62S, 30S	9"	1.47
A9386.	Majestic G1	9"	.84
A9387.	Majestic G2	9"	.84
A9388.	Majestic G3	10"	1.18
A9390.	Majestic G5	12"	1.71
A9391.	Majestic G6	10"	1.47
A9392.	Majestic G7	10"	1.47
A9395.	Majestic G10B.	7 1/2"	1.18
A9406.	Philo 87, 65, 95, 76, 96, 77, 40, 111	10"	.82
A9407.	Philo 90, 3, 7, 20, 21, 70	8"	.73
A9290.	RCA Pt. No. 9023, mod. M34, M105	5"	.59

Gothic Cabinet Model 8 1/2" SPEAKER



A fine table model magnetic speaker. Combines attractive appearance and excellent tone quality. Handsome walnut finish cabinet is 11" high, 10 3/4" wide, and 6 1/2" deep. A high quality magnetic speaker chassis is mounted in the cabinet. Speaker chassis is 8 1/2" diameter, 3 3/4" deep; has pressed steel frame, large magnet and improved armature structure. 1000 ohms DC resistance. Equipped with 5 1/2 ft. cord.
A9444.
YOUR PRICE..... \$2.98

SPEAKER CABINET ONLY

Cabinet only as illustrated above. Has beautiful walnut finish. Will accommodate any speaker not over 8 1/2" in diameter, 11" high, 10 3/4" wide, 6 1/2" deep.
A9445. **YOUR PRICE..... \$1.40**

BOOKSHELF MODEL

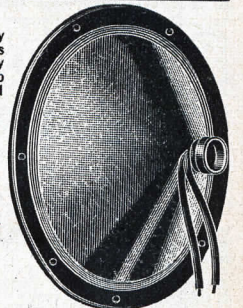
A beautiful, modern speaker cabinet equipped with the latest Utah permanent-magnet dynamic 6" speaker. Has "On-Off" switch and volume control. 8 1/2 ohm voice coil permits connection to voice coil leads of amplifier or radio set. Available in 3 finishes. 29 3/4" x 16 3/4" x 16 3/4"; has hooks for hanging.
A9485. Walnut.
A9480. Maple.
 NET EACH..... **\$7.91**

A9481. Antique White \$8.20 WRIGHT-DECOSTERHYFLUX MAGNETICS

A magnetic speaker with many unusual features. Rigid one-piece pressed steel frame is of new design. Compact assembly allows easy, rapid installing in battery sets, auto radios, multiple extension speaker systems, etc. Frequency response is unusually good.



A9317. 6 inch Magnetic. **\$1.96**
 NET.....
A9318. 8 inch Magnetic. **\$2.20**
 List. \$4.50. **YOUR PRICE.....**

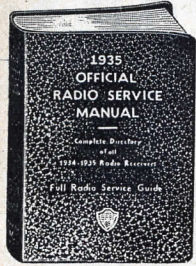


WE CAN SUPPLY EXACT DUPLICATE CONES FOR ANY SPEAKER

Catalog No.	For Model	Outer Dia., In.	YOUR PRICE
A9291.	RCA Pt. No. 8987, mod. R28, R28P, K22, R28EW, RE40, RE40P, 100, 101, 110, 111, 114, 115, M116, 300, 301	5"	\$0.59
A9416.	U. S. Apex 26P (Spkr. 2758)	8"	1.18
A9428.	Utah 12B (3 point spider, 16 ohm voice coil)	12"	1.70
A9422.	Utah Isodyne	8"	1.18
A9424.	Victor RE32, 45, 75	9"	.73

MANUALS and REFERENCE BOOKS

GERNSBACK'S OFFICIAL MANUALS NEW VOLUME NO. 5



The current edition. Over 1000 pages of the finest and most complete radio service data ever assembled in a single volume. Printed on special thin paper—only 1 1/4 inches thick. Has flexible loose-leaf cover, and includes a cumulative index covering all previous Official Manual editions and supplements. Has over 3000 illustrations. Includes circuit diagrams for all receivers placed on the market after the publication of Vol. 4.

FREE QUESTIONS AND ANSWERS

Each copy of Vol. 5 includes 24 Question and Answer Coupons entitling the Serviceman to free answers to perplexing radio problems by mail from competent engineers. You need this great Manual. It tells you the weak points and cures for hundreds of sets; it discusses all-wave, short-wave, auto, and midjet sets; includes resistance, I.F., voltage, and alignment data, etc.; color codes, socket layouts, tube purposes, etc. Completely indexed for instant reference.

A5210. YOUR PRICE, VOLUME 5..... \$5.86

VOLUME 4—1934 EDITION

Brings the Official Manual up to 1934. Over 400 invaluable pages and more than 2000 diagrams and charts of all commercial receivers. Specifies exact values of all parts; shows parts layouts as well as schematics; gives voltage and trouble-shooting suggestions. Has sections on AC-DC, Auto radio, S.W. and P.A. Includes 24 Question and Answer Coupons. Flexible binder. 9x12 in. Shpg. wt., 4 lbs.

A5211. YOUR PRICE..... \$2.98

VOLUME 3—1933 EDITION

Contains complete service data on practically all 1932-1933 receivers. Over 700 pages with more than 2000 illustrations. Valuable data on S.W., test equipment, tubes, noise elimination, auto radio, etc. In flexible loose-leaf cover, 9x12". With supplements. Shpg. wt., 5 lbs.

A5212. YOUR PRICE..... \$4.00

VOLUME 2—1932 EDITION

A complete directory of 1931-1932 receivers. 1000 pages of valuable standard set data, including full discussions of the superhet circuit and its service problems. More than 2000 diagrams, charts and illustrations. Explains step-by-step method of service analysis. With supplements. Flexible cover. 9x12". Shpg. wt., 5 lbs.

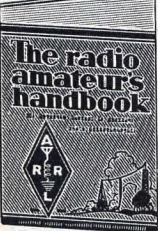
A5213. YOUR PRICE..... \$4.00

VOLUME 1—TO 1931

The first of the Radio Service Manuals. Covers all receivers made between 1923-1931. Over 1500 diagrams and illustrations on more than 650 pages. Contains fundamental data on service technique and test methods. Valuable reference data for hundreds of sets requiring service today. Complete with all supplements. Shpg. wt., 5 lbs.

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RADIO AMATEURS' HANDBOOK



Handbook

New 1937 Edition. Bigger than ever before. 544 pages containing essential data on tubes, transmitters, receivers, antenna, radio telephony, U.H.F. equipment, operating, Rules and Regulations, etc. Appendix contains valuable formulae, time charts, "Q" code, abbreviations, etc. Fully illustrated with pictures and diagrams. Invaluable to new hams. Advanced amateurs will find data not appearing in other books. Heavy paper cover.

A5215. NET \$1.00

CONSOLIDATED 1, 2, 3, 4 OFFICIAL MANUAL

Combines Vols. 1, 2, 3, and 4 into a single indexed 2700 page loose-leaf volume with heavy cover. A complete radio service course. Covers all standard receiver circuits from 1923 to 1934. Over 7500 illustrations. Size 9x12x 5 1/2 inches. Shpg. wt., 16 lbs.

A5207. YOUR PRICE..... \$16.98

OFFICIAL AUTO RADIO MANUALS

Two loose-leaf flexible covered volumes covering practically all standard auto radio circuits. Data on trouble-shooting, noise suppression, set an aerial installations, "turret-top" jobs, suppressorless sets, etc. Vol. 1 has 200 pages and over 500 illustrations; with service notes for sets to 1934. Vol. 2 has 240 pages and 500 illustrations covering all models from 1934 to 1935. Wt., 3 lbs.

A5208. VOLUME 1, \$2.00

A5209. VOLUME 2, \$2.00

YOUR PRICE, EACH..... \$2.00

REFRIGERATION MANUALS

Invaluable to Radio Servicemen who have entered the growing field of refrigeration service. Includes diagrams for every standard refrigerator, describing trouble-shooting. Discusses refrigerants, automatic equipment, valves, etc. 450 pages, 1200 illustrations. 9x12 Leatherette cover. Wt., 4 lbs.

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Shows diagrams of every known commercial refrigeration machine. Data on trouble-shooting, repairs and the proper service tools necessary. 9x12" flexible covers, 450 pages, 1200 diagrams. Wt., 4 lbs.

A5217. YOUR PRICE..... \$4.00

RADIO AMATEUR CALLBOOK

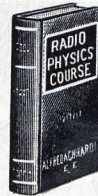


Latest Edition

Lists over 40,000 U. S. and Foreign Amateurs. Contains a complete, accurate list of all high-frequency Commercial and Broadcast stations. Gives accurate schedules of Time, Weather and Press reports from principal stations throughout the world. Includes international abbreviations, international prefix tables, international prefixes, postal rates to foreign countries, U. S. Inspection districts, and other valuable information.

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RADIO PHYSICS COURSE



By **A. A. Ghirardi**

A complete course in radio and electricity. Explains in easy-to-understand language all of the essential facts about radio from simple fundamentals to the most intricate applications. Invaluable to the radio Beginner, Student, Serviceman, Set-Builder and Experimenter. Endorsed by leading technical schools. Includes valuable chapters on Sound, Vacuum Tubes, Superhets, Short Wave, Auto Radios, Electron theory, Electromagnetism, Test Instruments, Battery Radio, Television, Photo Electric Cells, Talkies, Aircraft Radio, etc. Handy appendices explain radio symbols, show wire tables, radio formulae, etc. Attractively printed and bound in durable cloth. Shpg. wt., 5 lbs.

A7077. POSTPAID IN U. S. A..... \$4.00

OFFICIAL RADIO SERVICE HANDBOOK

Every Serviceman should have a copy of this book. 1,000 pages of Circuit theory and analysis. Short Cuts of Trouble Shooting and Repairing, Modernization and Installation Data, Service Notes and Field Data, etc. Contains valuable data covering 1,000 Radio Set models. Size 6x9". 750 illustrations. Leatheroid Cover.

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The most complete beginners' book ever written. Tells how to get into Amateur Radio, how to build beginners' receivers and transmitters, model Amateur Stations; shows how to learn code and secure license, etc. Has complete chapters on Federal Communications Commission Regulations. A valuable book.

A7073. YOUR PRICE... \$2.50

SHORT WAVE BEGINNERS BOOK

Easy to understand. Explains fundamentals, radio symbols, how to wind coils and construct S.W. sets and aerials. Has valuable tube and wire charts.

A5203. YOUR PRICE..... \$2.50

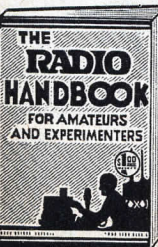
HOW TO BUILD & OPERATE SHORT WAVE RECEIVERS



Prepared by Short Wave Craft Magazine. Describes dozens of successful Short Wave sets and converters, showing wiring and layout diagrams. Clearly written for the Short Wave fan to assure the successful construction and operation of the S.W. sets described. 76 pages.

A5200. NET \$3.80

The Radio Handbook For Amateur and Experimenter



Written in plain language, it tells how to design, construct and operate any kind of receiver from a 1 tube set to a 12 tube superhet, any kind of transmitter from a 1 tube job to a 1 K.W. phone or C.W. rig. Devotes 64 pages to a new treatment of the electron theory of radio, 64 pages to 5 meter data; the 64 page receiver construction chapter is alone worth the price of the book. Also valuable chapters on antennae, newest transmitters, many pages of curves, formulae, charts, tube tables, etc.

A7074. YOUR PRICE..... \$1.00

"AN HOUR A DAY WITH RIDER"

A7639. VOLUME 1. "A.C. CURRENTS IN RECEIVERS" Describes basic functions of the various parts of a receiver and how they work. Fully explains resonance, coupling, inductance, reactance, impedance, etc. 80 pages; fully illustrated.

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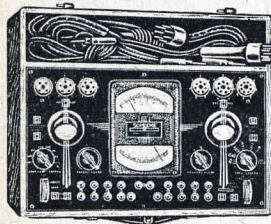
A7641. VOLUME 3. "D.C. VOLTAGE DISTRIBUTION." Tells you the how and why of D.C. distribution to all tube elements. Clearly explains all steps from Ohm's Law to the most elaborate d.c. networks. 64 pages.

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YOUR PRICE, EACH VOLUME..... \$5.90

LATEST TEST EQUIPMENT

SUPREME 550 DeLuxe RADIO TESTER



Provides complete circuit analysis of resistance, voltage and current as well as tube tests directly from tube sockets in set. Tests all metal and glass tubes. New Supreme $5\frac{1}{4} \times 7\frac{1}{4}$ " Quadrimeter has dual windows and scales with actual length of $3\frac{3}{4}$ ". Multi-contact switches make any of the 29 meter ranges instantly available; provides for complete and accurate analysis of the circuit under test.

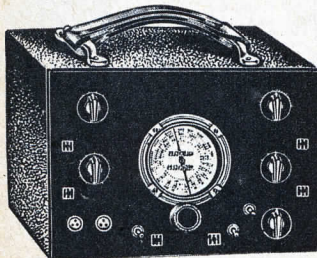
PROVIDES COMPLETE CIRCUIT ANALYSIS

The following direct-reading scales are incorporated in the Supreme 550 DeLuxe Analyzer: 0-7-35-140-350-700-1400 V. AC and DC—at 1000 ohms per volt; 0-7-35-140-350-700-1400 M.A. D.C.; 0-14 Amperes (external only); 0-2000-20,000-200,000 ohms and 0-2-20 megohms; ± 10 to $+6$, 0 to $+16$, $+10$ to $+26$, $+20$ to $+35$ and $+30$ to $+46$ DB. Leakage of electrolytic condensers reads directly on meter dial; all electrolytic condensers can be tested at rated working voltage. Oak case with removable hinged cover. Size $18\frac{1}{2} \times 14\frac{1}{4} \times 7\frac{1}{2}$ " overall. Complete with test prods, cable and plugs, adapters, charts, and complete instructions. For 110 Volt 50/60 cycle A.C.

A10254.
YOUR NET PRICE.....

\$54⁸³

SUPREME 580 DeLuxe SIGNAL GENERATOR



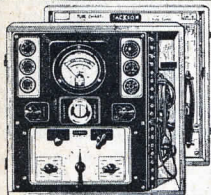
Has a range of from 90 KC to 60 MC. Fundamentals over all standard and Short-Wave frequencies from 90 KC to 20 MC; additional frequency coverage is provided for by use of harmonics. Has a variable R.F. output which may be frequency-modulated at a constant band width of 24 KC for use in visual alignment of circuits by means of an oscilloscope. Built-in beat audio oscillator is accurately calibrated from 50 to 10,000 C.P.S. with less than 3% harmonic content. Provisions for external amplitude modulation of R.F. carrier at 400 C.P.S. Tubes used are 1-6A7, 1-6F7, 1-76, and 1-84. Ladder type attenuator permits smooth control of R.F. carrier, calibrated to approximate micro-volt output. Size, $14 \times 10\frac{1}{2} \times 6\frac{3}{8}$ " overall. Supplied complete with tubes, accessories and full operating instructions. For 110 volt, 60 cycle A.C. operation.

are also made for external amplitude modulation of R.F. carrier at 400 C.P.S. Tubes used are 1-6A7, 1-6F7, 1-76, and 1-84. Ladder type attenuator permits smooth control of R.F. carrier, calibrated to approximate micro-volt output. Size, $14 \times 10\frac{1}{2} \times 6\frac{3}{8}$ " overall. Supplied complete with tubes, accessories and full operating instructions. For 110 volt, 60 cycle A.C. operation.

A10252.
YOUR NET PRICE.....

\$53⁸⁵

JACKSON TUBE TESTER



Tests all tubes; makes separate diode and rectifier tests, and has special test for pentagrid converter tubes. Readings direct on "Good-Bad" scale. Meter also calibrated in Volts, Ohms and milliamperes, for receiver circuit analysis. Meter ranges are direct reading for the following: 0-7.5-75-150-300-750-1500 Volts D.C.; 0-7.5-75-150 M.A. D.C.; 0-100-100,000 ohms-1-10 megohms. Shpg. wt., 15 lbs.

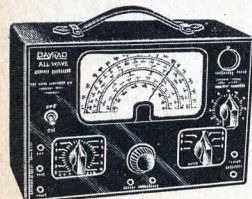
A8932. Model 535. Portable Model.
YOUR PRICE.....

\$39⁵⁰

A8933. Model 535-C. Counter Model in attractive Metal case.
NET.....

\$43⁵⁰

DAYRAD ALL-WAVE SIGNAL GENERATOR



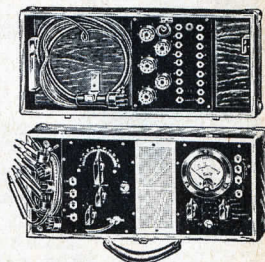
A direct-reading signal generator of advanced design. Covers fully all frequencies from 60 to 60,000 KC, on a large, easy-to-read accurately calibrated dial. 6E5 output indicator built in; no other output meter is necessary. Three section attenuator controls "High" and "Low" outputs; 400 cycle modulation may be switched off for unmodulated signal. Fully shielded; housed in black crystal finished case measuring $10\frac{1}{2} \times 7\frac{1}{2} \times 1\frac{1}{2}$ " overall. Complete with tubes. Shpg. wt., 12 lbs.

For 110 V. 60 cycle A.C.
A9270.
Model 36-A.
NET.....

\$36⁷⁵

TRIPLET MODEL 1181-A PORTABLE LABORATORY TESTER

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



"THREE" TESTING SYSTEMS IN ONE

Quickly and accurately measures voltages, resistances and currents between any two circuit points. Quickly localizes circuit troubles. Overall performance of any set is easily checked by the All-Wave Oscillator and output meter portion of the Volt-Ohm-Milliammeter. Charts are supplied for direct capacity measurement. Meter scales read as follows: 0-15-150-750 Volts A.C. or D.C. at 1000 ohms per volt; 0-1.5-15-150 M.A., D.C.; 0-15-150 M.A., A.C.; 0-1500-1.5 meg-3 megohms. Oscillator has four ranges from 110 K.C. to 18 M.C. Auxiliary set tester has 4, 5, 6, 7 ranges and 8 prong octal sockets with jacks for all analyses. The 1181-A Tester constitutes a compact complete service test laboratory. Size, $16\frac{1}{2} \times 13\frac{1}{2} \times 7\frac{1}{2}$ ". Furnished complete with batteries, adapters, accessories, and instructions. Shpg. wt., 20 lbs.

A9330.
List, \$67.00.
YOUR PRICE.....

\$37²⁴

TRIPLET MULTI-PURPOSE TUBE TESTER

MODEL 1503

Tests all metal or glass tubes under actual operating conditions. Shows condition of all tube types plainly on large "GOOD-BAD" scale; Neon short tests, Neon paper condenser tests, tests for electrolytic condenser leakage. The meter is calibrated to give the following readings: 0-10-50-250-500-1000 Volts D.C.; 1,000-10,000-100,000 ohms-1-10 megohms; -10 to $+15$ Decibels; 0-10-50-250-500-1000 Volts A.C.; 10-50-250 M.A.-D.C. Meter sensitivity is 1000 Ohms per Volt on D.C. and 400 Ohms per Volt on A.C. Suitable for counter or portable use. Measures $15\frac{1}{2} \times 11\frac{1}{2} \times 7\frac{1}{2}$ ". Shpg. wt., 26 lbs. For 110 V. 50-60 Cycles A.C.

A9343. List, \$70.00.
NET.....

\$45⁷⁴

MODEL 1502 POWER OUTPUT TUBE TESTER

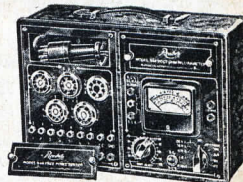
A deluxe tube tester similar to Model 1503 above, but intended for tube tests only. Tests all metal and glass tubes quickly and accurately. Neon short and leakage test. English-reading meter scale reads "GOOD" or "BAD." Case measures $15\frac{1}{2} \times 11\frac{1}{2} \times 7\frac{1}{2}$ ". For 110 Volt 50-60 cycle A.C. operation. Shpg. wt., 26 lbs.

A9342. List, \$55.00
YOUR PRICE.....

\$35⁹⁴

RANGER FREE-POINT TESTER AND VOLT-OHM-MILLIAMMETER MODEL 640-740

An entirely new precision service instrument. A combination unit consisting of a Free Point Tester (Model 640) and a Volt-Ohm-Milliammeter (Model 740). With this combination you are able to make all voltage, current or resistance tests, by direct contact through test leads or by the free-point plug-in method. The meter is a Triplet precision instrument, reading: 0-10-50-250-500-1000 Volts A.C. or D.C., at 1000 Ohms per Volt; 0-1-10-50-250 M.A.; 0-300-250,000 ohms. Meter accuracy is 2% on D.C., 5% on A.C. Five sockets on the free-point unit handle any type glass or metal tube. Nine pairs of jacks provide quick connection to any part of circuit under test. Furnished in handsome metal case, with built-in accessory compartments. Measures $11\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{1}{2}$ ". Has handle for carrying. Black electro-enamel finish with silver markings.



A9622. List, \$45.00.
YOUR PRICE.....

\$26⁴⁶

TEST EQUIPMENT • ADAPTERS

READRITE 430 TUBE TESTER



An inexpensive direct-reading tube tester that will accurately indicate the condition of all metal or glass tubes. Operation is extremely simple. Has five sockets which handle all 4, 5, 6, 7 and 8 prong tubes. Triplett meter with "Good-Bad" scale also shows shorts and leakage. Shadow type meter for adjusting line voltage. Separate controls are provided for selecting proper filament voltage and tube load; actual test is made by pressing a single button. Housed in attractive oak case with metal panel and removable cover. Complete with instructions. For 110 V. 60 cycle A.C. operation.

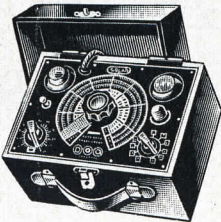
A9288. YOUR PRICE..... **\$17.64**

MODEL 431

A9287. Same as Model 430 above, but has a Readrite meter with "Good-Bad" scale in place of the Triplett meter. NET..... **\$14.11**

SOLAR CAPACITY ANALYZER

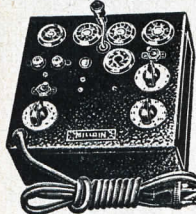
Quickly and accurately determines the worth and capacity of any condenser between .00001 and 70 mfd. Capacity of condenser under test is shown directly on accurately calibrated color-coded scale. Also measures power factor, and detects defective condensers. Resistance scales give readings up to 2 megohms. Uses GE5 as bridge-balance indicator. No headphones, meters, etc., are required; attractive cabinet, with handle for carrying. Measures $9\frac{1}{2} \times 7\frac{1}{4} \times 6\frac{1}{4}$ ". Requires 1—1V and 1—6E5 (not supplied). Shpg. wt., 9 lbs.



A7708. Model CB-1-60. For 110 Volts, 60 cycle. NET..... **\$18.82**

A7709. Model CB-2-U. For 110-220 V. 25-60 cycle. NET. \$23.52

MILLION TUBE AND CONDENSER TESTER



A newly developed tester packed full of appealing features. Calibrated neon indicator shows emission; checks tubes "Good" or "Bad." Shorts and leakages as high as six megohms may be checked between any elements. May be also used as a resistance indicator, or will check shorted or leaky bypass and electrolytic condensers. Neon lamp may be used as resonance indicator for receiver alignment. Accurately tests all existing tube types. Complete with eight-foot power cord, in sturdy welded steel case, measuring $7\frac{1}{2} \times 7 \times 3\frac{1}{2}$ ". Shpg. wt., 6 lbs.

For 110 V. 60 cycle A.C. A2966. Model CN. NET..... **\$9.95**

PORTABLE STANDARD VOLT-OHMMETER

A practical and convenient pocket-size Volt-Ohmmeter. Scale calibrated 0-10,000 ohms, and 0-300 volts D.C. Mounted in sturdy metal case 3 inches in diameter; $1\frac{1}{2}$ inches deep. Equipped with 32 inch test leads. Includes self-contained flash-light cells. Switch is provided for rapid changeover from volts to ohms or vice versa.



A2900. YOUR PRICE..... **\$2.30**

PORTABLE SIMPLEX VOLT-OHMMETER

An exceptionally compact, pocket-size test unit. Scale marked 0-3, 0-30, 0-300 volts D.C., and 0-10,000 ohms. Walnut-finished bakelite case measures $1\frac{1}{2} \times 2\frac{1}{2} \times 3\frac{1}{2}$ ". Has pin jacks for quick selection of desired scale. Self-contained batteries included. Supplied with 30 inch polarized test-leads, and instructions.

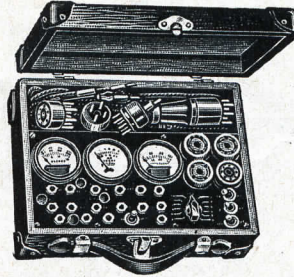
A2892. YOUR PRICE..... **\$3.23**

PORTABLE PRECISION VOLT-OHMMETER

An exceptionally fine precision type pocket size volt-ohmmeter with an accuracy of 2%. Voltage ranges, 0-5, 0-50, and 0-500 D.C. Resistance range, 0-500,000 ohms. Moving coil type meter, 1000 ohms per volt. Ohmmeter has zero adjustment. Beautiful black bakelite case $3\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ " with necessary dry-cells included. Equipped with scale-selector pin-jacks; has 30 inch polarized test leads. With instructions.

A2893. YOUR PRICE..... **\$7.78**

NEW 710-A READRITE ANALYZER



Completely and accurately tests all parts of all metal and glass tube receiver circuits. Will check plate, filament, grid, screen and line voltages and currents. Tests for continuity and resistance of all resistors, chokes, transformers, etc. Charts are provided for testing condensers and for measuring resistances up to 100,000 ohms. Meters are accurate to within 5%. Four sockets are provided to accommodate all metal and glass tubes. The analyzer cable is equipped with latch-type plug and adapters to fit all sets. Meters provide the following readings: 0-20-60-300-600 Volts D.C.; 0-10-140-700 Volts A.C.; 0-15-150 M.A. D.C. In leatherette case, $10\frac{1}{2} \times 8\frac{1}{2} \times 4\frac{1}{2}$ ". Shpg. wt., 12 lbs.

A9275. Complete with plug, cable, and instructions. List, \$27.50. YOUR PRICE..... **\$16.17**

MODEL 712-A

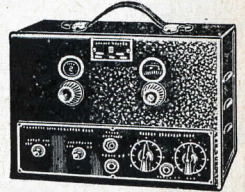
Same as 710-A above, but with 1,000 ohms per volt Triplett D.C. meter. Voltmeter reads: 0-15-60-300-600 Volts.

A9280. Complete with plug, cable, and instructions. List, \$37.00. NET..... **\$21.76**

CLOUGH-BREngle ALL-WAVE SIGNAL GENERATORS

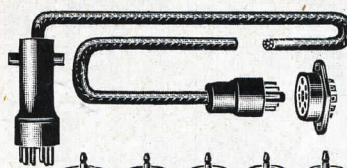
MODEL OC-A

A complete, self-contained laboratory type signal generator which provides every intermediate, broadcast and short-wave frequency for practically any alignment purpose. Six bands cover all frequencies from 100 KC to 60 megacycles; hand-calibration assures readings accurate to $\frac{1}{2}$ of 1%. New type dial has effective scale length of 25". Output is continuously variable from a minimum to a very strong signal; modulation may be switched off for unmodulated signal. 400 cycle signal also available for audio tests. Uses 1—6C5, 1—6N7 and 1—84 tubes. For 110 V. 60 cycle A.C. operation. Housed in rugged, durable metal case, with black crackle finish. Complete with tubes.



A3400. NET..... **\$29.35**

7 PRONG LOCKING TYPE ANALYZER KIT



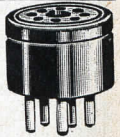
7 prong plug with detachable handle. Two grid studs are supplied, so plug can be used in either metal or glass tube sets. Lock-on feature makes sure contact between plug and adapters. Small plug base for entering sockets with close shields. Complete kit contains: 1—lock-on 7S prong plug and handle, with 5 ft. of 8 wire cable, 8 prong cable plug, 8 prong panel socket, and 5 adapters.

A1665. COMPLETE KIT..... **\$4.25**

A1666. Same as above but less 8 prong cable plug and 8 prong cable socket..... **\$3.25**

TUBE CHECKER ADAPTERS FOR NEW METAL TUBES

These new metal tube adapters make it possible for you to check the popular new metal and metal-glass tube types in your present tube checker. Not necessary to make any change in wiring of checker. Merely insert proper adapter in tube tester and insert tube in the adapter.



Cat. No.	To Test	In Socket	Adapter	Base	Cat. No.	To Test	In Socket	Adapter	Base
A1681	6A8 6L7	6A7	7S		A1680	6J7 6K7 6F6 6L6 6Q7 6R7	77 or 6C6 78 or 6D6 41 or 42 41 or 42		6
A1686	6F5	75 or 85	6			25A6 6D5	41 or 42		
A1687	6H6	75 or 85	6						
A1682	6C5	37 or 76	5						
A1677	5Z4 5W4 5Y3	80	4						
A1688	25Z6	25Z5	6						
A1689	6X5	84 or 6Z4	5						

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

SEE OUR 152 PAGE CATALOG FOR COMPLETE TEST EQUIPMENT LINES

BATTERIES·CHARGERS·CONVERTERS ETC.

BURGESS BATTERIES COMBINATION PLUG-IN and CLIP TYPE "A" "B" and "C" BATTERIES



A world-famous line of batteries carried by all major expeditions in recent years. Proved to be absolutely moisture- and climate-proof. Built to rigid specifications. Meets all industrial and governmental laboratory requirements. Now available with plug-in connector as well as Fahenstock clips. Unusually large current storage capacity enables these batteries to give long, satisfactory service even under heavy loads. Burgess batteries will give at least 1000 hours of normal service. New "B" and "C" plug-in packs are ideal for popular battery sets as indicated.

Catalog No.	Factory No.	Volts	Shp. Wgt.	Unit Pkg.	List Price	Single Net Price	Unit Pkg. Net Price
SUPER "B" BATTERIES							
A1101	21308	45	16	6	\$2.95	\$2.17	\$1.97
A1102	22308	45	10½	6	1.95	1.44	1.31
STANDARD "B" BATTERIES							
A1103	10308	45	14	6	\$2.25	\$1.66	\$1.51
A1104	2308	45	9½	6	1.75	1.30	1.18
A1105	*5308	45	4	5	1.50	1.10	1.00
A1106	*2156	22½	5½	5	1.50	1.11	1.01
A1107	*4156	22½	1½	4	.75	.55	.50
STANDARD "C" BATTERIES							
A1108	5156	22½	2	4	\$0.85	\$0.63	\$0.57
A1109	2370	4½	1½	10	.40	.30	.27
A1110	*5540	7½	1	4	.65	.48	.44
A1111	*5360	4½	½	4	.40	.30	.27

* Not available with Plug-in feature.

DRY CELL "A"

Two new 1½ volt units. Both are much smaller than the old No. 6 cell but the 4FA is fully equal to it in capacity. The 44, the smallest unit, has slightly less current capacity. Both have screw terminals.

I118	4FA	1½	2	20	\$0.40	\$0.30	\$0.27
I113	44	1½	11 oz.	1	.35	.24	.24

TUBULAR FLASHLIGHT UNI-CELLS

A1116. No. 1. 1½ volts. Size 1½x1 inches. Baby type.	A1117. No. 2. 1½ volts. Size 2½x1½ inches. Standard type.	List. 10c. NET. EACH	6½c
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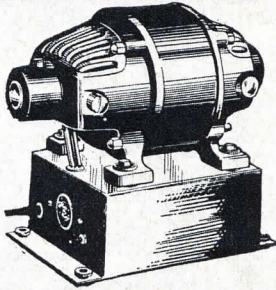


BURGESS 3 VOLT DRY "A" BATTERY

Developed for 2 volt battery sets. Does not require recharging or filling with water; ready for immediate use. Provides 400 hours service at ½ ampere discharge 3 hours daily. 11½"x4"x4¾". Wt. 14 lbs. NOTE: Reducing resistor is necessary when used with 2 volt set having no voltage regulating device. **\$2.21**
A10020. NET

JANETTE ROTARY CONVERTERS

Efficiently converts D.C. current to 110 volt, 60 cycles A.C. Permits the operation of A.C. appliances from 32 volt light plants or 110 volt D.C. lines. Rugged and dependable. The armature employs the superior dynamotor type (double-wound) construction. Field frames are of high quality rolled steel and the field poles are laminated for very highest efficiency. Easily removable grid covers protect the commutator slip rings and brushes. Equipped with special all-wave interference filters which assure exceptionally quiet reception from all types of radio receivers.



32 VOLTS D. C. TO 110 VOLTS 60 CYCLE A. C.

Stock No.	Output Watts	Input Amps.	Mfrs. Type	YOUR PRICE
A10200	80	5.4	CA-25-F	\$26.41
A10201	110	6.5	CA-20-F	28.47
A10202	150	8.5	CA-18-F	31.56
A10203	300	15.0	C-13-F	44.25
A10204	400	18.0	CB-12-F	58.31

110-115 VOLTS D. C. TO 110 VOLTS, 60 CYCLE A. C.

Stock No.	Output Watts	Input Amps.	Mfrs. Type	YOUR PRICE
A10205	80	1.3	CA-25-F	\$26.41
A10206	110	1.9	CA-20-F	28.47
A10207	150	2.4	CA-18-F	31.56
A10208	300	4.0	C-13-F	44.25
A10209	500	6.4	CB-12-F	58.31

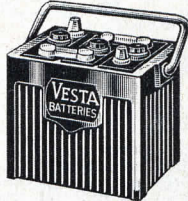
EVEREADY AIR CELL "A" BATTERY

For use only with 2 volt battery sets. Very economical. Rated at 600 Amp. hours with useful life of about 1000 hours. The A600 is for sets with maximum drain of 660 M.A. Has plug-in feature. The A850 is for sets with maximum drain of 750 M.A. 10½"x6"x9½"x9½". 24 lbs. Not mailable.
A10025. No. A-600. NET, \$4.17. Less 2%..... **\$4.09**



A10026. SA-850. Heavy-duty (750 M.A.) for multi-tube sets. Wt., 29 lbs. NET, \$5.25. Less 2%..... **\$5.15**

Vesta 6 Volt Storage Batteries



13 PLATE
A10013. Heavy-duty. Thick, sturdy plates. Built for long trouble-free life. With radio terminals. Not mailable. NET **\$4.45**

15 PLATE BATTERY
A10015. Shpg. wt., 42 lbs. YOUR SPECIAL PRICE..... **\$5.45**

HEAVY-DUTY 17 PLATE
A10017. Shpg. wt., 44 lbs. YOUR SPECIAL PRICE..... **\$6.70**

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

NEW HOMCHARGER 5-3 AMP. BOOSTER

Booster charger for auto or home use. Has battery connector bracket for steering post mount. Charge automatically tapers from 5 to 3 amps. Filtered against radio interference. 110 V. 60 cy. 8 lbs.
A10040. NET..... **\$4.41**



VESTA 2 VOLT STORAGE BATTERY

A sturdy 2 volt 19 plate storage battery giving 300 operating hours at ½ amp. at each charge, for any battery set using 2 volt tubes. Has heavy ½ inch plates. In hard rubber case. Size, 7¼"x4½"x9½". Rubber nut and bolt terminals. Wt., 23 lbs. (Not mailable.)
A10012. NET..... **\$3.53**

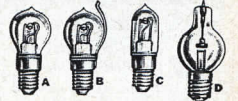


HI-RATE HOMCHARGER A10037.

As above but charges at 10 amp. rate. Has ammeter. Wt., 15 lbs. NET..... **\$11.47**

G. E. TUNGAR BULBS

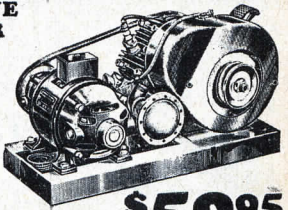
The well known, highly efficient G.E. Tungar bulbs. Used in many standard chargers. Will replace Rectigon bulbs of the same rating. Wt., 2 lbs.



No.	Type	Fig.	NET EA.
A6440.	2 Amp. A	A	\$5.14
A6441.	2 Amp. B	B	
(Top Connection)			
A6442.	6 Amp. C	C	\$9.55
A6445.	15 Amp. D	D	

PIONEER GAS ENGINE DRIVEN GENERATOR

A sturdy dependable generator for supplying 110 volts A.C. for all purposes where the power demand does not exceed 300 watts. Also supplies 50 watts D.C. for battery charging. Has high grade 4 cycle gas engine. Built-in governor maintains constant 60 cycle current. Special brush construction assures long life with no commutator wear. Foot-pedal starter. Operates 3 hours on one quart of gas. Size, 20x11x11". Wt., 72 lbs.
A10215. YOUR PRICE..... **\$59.95**

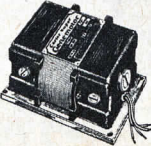


COMPACT CARTER GENERATORS

The smallest complete auto "B" eliminator made. Completely shielded, has built-in filter. Ball bearings eliminate oiling and adjustments. Easily installed. Delivers full efficiency from a 6 volt battery. May be mounted in any position. Size, 2½"x4"x5". Wt., 6½ lbs.

135 VOLT MODEL
A9213. Operates from 6 Volt battery, delivers 135 volts at 30 MA, tapped at 67½ V. Draws 2.25 amps. **\$9.70**

180 VOLT MODEL
A9212. Delivers 180 volts at 30 M.A., tapped at 90 V. Works from 6 V. battery at drain of 2.6 amps. YOUR PRICE, EITHER MODEL..... **\$9.70**





READY TO SERVE

You!

- **ALLIED SERVES YOU BETTER BECAUSE WE ARE 100% RADIO SPECIALISTS**
- **OUR LOW PRICES SAVE YOU MONEY**
- **WE CARRY COMPLETE STOCKS ON HAND AT ALL TIMES**

You can depend on ALLIED for fastest service, highest quality, greatest value. Our entire organization is keyed to meet your needs—

Skilled radio technicians help you select the equipment you need, accurately and economically—answer your inquiries quickly, personally, expertly!

10,000 selected radio items—the cream of quality radio—tested and approved by expert engineers—assure you of highest quality always—make your radio buying easier and more profitable!

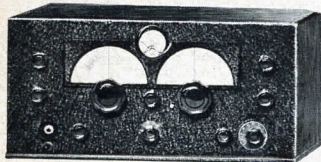
ALLIED'S economical merchandising, tremendous purchasing power and efficient shipping methods bring you the finest values in Radio—quickly and safely—at the lowest prices. You save in time, trouble and money on every purchase when you order from ALLIED!

ALLIED IS READY TO SERVE YOU . . . SPEEDILY AND BEST!



Short Wave RECEIVERS

THE RME 69 S.S. SUPERHET



A precision-built receiver that develops exceptional efficiency across a frequency range of from 550 to 32,000 KC. Has two 5 inch illuminated dials, calibrated for accurate tuning. Features: Calibrated tuning meter, crystal filter, built-in modulation monitor and tuned preselector stage, electron-coupled oscillators, per-

manently shielded coil assembly, etc. Uses 5-6D6, 1-6C6, 1-6B7, 1-42, and 1-80 tubes. Completely laboratory built and tested. All major parts subjected to rigid tests; highest quality workmanship throughout. Tubes included with each set are those used for final laboratory tests. Every RME 69 is adjusted and aligned for perfect performance before shipment from factory.

A10175. The R.M.E. Single Signal Superhet. Complete with speaker in cabinet; with tubes.

YOUR PRICE **\$134⁹⁰**

A10176. The R.M.E. Single Signal Superhet. Complete with tubes, less speaker.

YOUR PRICE **\$123⁸⁰**

HALLICRAFTERS SHORT WAVE RECEIVERS SKY BUDDY



New circuit makes five tubes do the work of eight. Tunes from 18 to 555 meters, in 3 bands. Features include iron core I.F.; A.V.C.; calibrated dial with 36 to 1 ratio bands pre-a action; shielded beat oscillator;

controllable from panel; and built-in power supply and speaker. Uses tubes as follows: 1-2A7, 1-6F7, 1-75, 1-42 and 1-80. Housed in rugged, handsome metal cabinet.

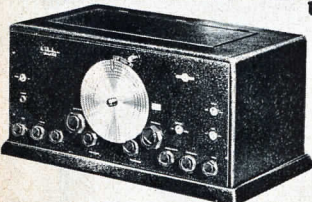
A10150. YOUR PRICE, With Tubes.....

SKY CHIEF

A10151. Similar in appearance to Sky Buddy above. Tunes 17.6 M.C. to 540 K.C. 10 tube performance with only 7 tubes. Uses 1-78, 1-6A7, 1-6F7, 1-75, 1-42, 1-6G5, and 1-80.

NET **\$44.50**

ULTRA SKY RIDER



Tunes from 3.5 to 53 meters in 4 bands. Features include: iron core I.F. transformers; Duo-Micro-Vernier Dial, 320; Electrical Bandspread; I. F. expander, to broaden selectivity for 5 meter reception; Lamb Noise Silencer built in; R.F. and audio gain controls; beat oscillator with pitch-control; and "Send-Receive" switch. Uses ten of the latest tubes, as follows: 2-6K7, 2-6L7,

1-6J7, 1-6C5, 1-6R7, 1-6Q7, 1-6F6 and 1-5Z4. In handsome black crackle finished metal cabinet. With tubes.

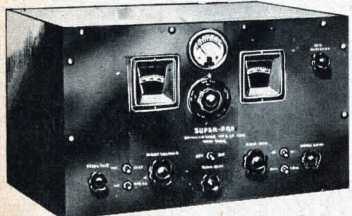
A10152. MODEL S-10. Less Speaker.

YOUR PRICE **\$99⁵⁰**

A10153. MODEL SX-10 AS ABOVE BUT WITH crystal filter and panel controlled crystal phasing condenser.

NET **\$114.50**

HAMMARLUND "SUPER PRO"



Hammarlund's finest achievement in a professional receiver. Five wave bands provide continuous coverage from 20 M.C. to 540 KC. (15 to 560 meters). Main dial is calibrated in megacycles from 2.5 to 20 MC. and in kilocycles from 540 to 2,500 KC. Band changing is accomplished by a five position, multiple silver contact switch. Other features include: Variable Selectivity; A.V.C.; R.F.

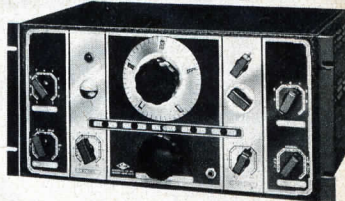
Gain Control; Visual Tuning Meter; Illuminated Tuning Diodes; Stand-by Switch, etc. Supplied in metal table model cabinet in attractive black wrinkle finish. The "Super-Pro" consists of two major units; the receiver proper, and the power supply with special connecting cable. Tubes used are: 5-6D6, 2-6C6, 1-6A7, 1-6B7, 1-76, 3-42, 1-5Z3, 1-1V. For 110 v. 60 cy. Receiver unit is 18"x14"x10 1/2"; power supply unit is 13"x7 1/2"x8 3/4". For 110 volts, 50/60 cycles A.C.

A10050. Hammarlund Super Pro complete with Jensen speaker, power supply and tubes. Shpg. wt., 90 lbs. List, \$380.00. **NET** **\$223⁴⁴**

A10051. Super Pro. Same as A10050, but equipped with Quartz Crystal Filter. List, \$410.00. **YOUR PRICE** **\$241⁰⁸**

NATIONAL RECEIVERS

NC-100

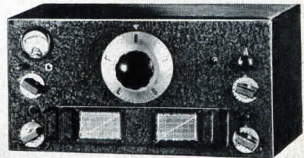


A new, amazingly efficient 12 tube Superhet for the Amateur or Short-Wave Listener. Capable of extremely high performance over a frequency range of from 540 to 30,000 KC. Combines the rapid, easy action of a range-change switch with the high efficiency of individual plug-in coils. Tuning dial has Micrometer-worm-gear drive assembly; accurate readings to one part in 500; tuning ratio 20-1. Panel controls consist of: Micrometer dial; Range selector; Combined A.V.C.-Manual Volume-Beat Oscillator control switch; Combined A.C. on-off, and Send-Receive switch; R.F. gain; Audio gain; Beat Oscillator pitch control; Tone control. Crystal model has variable selectivity and phasing controls. Preselector stage on all frequency ranges. Tubes used are: 4-6K7, 3-6J7, 1-6C5, 2-6F6, 1-6E5, and 1-80. Strength of incoming signals may be accurately read by means of calibrated electron-ray tube mounted on front panel. 10" dynamic speaker supplied receives field current from built-in power supply. Cabinet finished in black crinkle enamel. Size 17 1/2" long, 11 1/2" deep, 9" high. Speaker is mounted in a metal table model cabinet, reinforced with wood, and finished to match the receiver cabinet. Shpg. wt., 65 lbs.

A10048. MODEL NC-100 COMPLETE with tubes and built-in power supply and 10 inch dynamic speaker. **NET** **\$118¹⁰**

A10049. MODEL NC-100X. As above but with crystal filter built-in. **NET** **\$140.60**

HRO "SENIOR"



A nine tube superhet that meets the most exacting requirements. Embodies such desirable features as: Two tuned R.F. stages; crystal filter; calibrated ganged plug-in coils; single control tuning; variable length meter calibrated in "S" units; variable pitch beat oscillator. Micrometer type dial with 20 to 1 worm drive for accurate tuning. High sensitivity and selectivity with complete image suppression. Complete descriptive literature available on request.

A10062. FOR 2.5 VOLT A.C. OPERATION. Complete with 4-58, 3-57, 1-2B7, and 1-2A5 R.C.A. tubes. With ganged plug-in coils covering 1.7 to 30 MC. Less speaker and power supply.

A10063. FOR 6 VOLT BATTERY OPERATION. Complete with 4-6D6, 3-6C8, 1-6B7, and 1-42 R.C.A. tubes. With ganged plug-in coils covering 1.7 to 30 MC. Less speaker and batteries. List, \$279.50.

YOUR PRICE, EITHER MODEL **\$167⁷⁰**

AB POWER SUPPLY

A10046. Type 5897AB. Heavy-duty power pack for use with the HRO receiver. For 110 V. 50/60 cycles. Requires 80 tube (not supplied). Wt., 16 lbs. **NET**, \$15.90

EXTRA COILS

Plug-in coil assemblies for the HRO.

AP015.	175-400 K.C.	\$16.50
AP016.	500-1000 K.C.	12.00
AP017.	900-2000 K.C.	12.00

RCA ACR-136 AMATEUR COMMUNICATION RECEIVER

A self-contained 7 tube Superhet receiver for the Amateur and the Short Wave Enthusiast. Has many desirable features: Beat oscillator, A.V.C., Sensitivity control, Calibrated dial, built-in power supply and dynamic speaker. Has smooth band-change switch for rapid coverage from 540 to 18,000 K.C. in three bands. Tuned R.F. stage provides excellent sensitivity and selectivity. Black ripple-finished cabinet measures 22"x10 1/2"x11 1/2". The ACR-136 is supplied complete with a matched set of RCA tubes consisting of 3-6D6, 1-6A7, 1-6B7, 1-42, and 1-80. For 110 volt, 60 cycles A.C. operation at 85 watts.

A10170. **YOUR PRICE** **\$69⁵⁰**

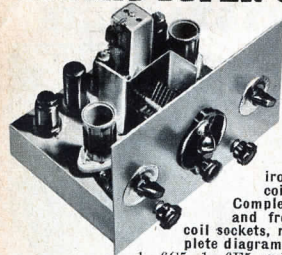
NEW RCA-175 RECEIVER

A new RCA Receiver that will do credit to any Amateur Station. Incorporates every desirable feature of design and construction. Tunes 5 to 600 meters continuous. Has new crystal filter. "Magic Eye" tuning indicator, Iron-Core I.F.'s, 11 new tubes, 2 I.F. stages, built-in power supply and high-gain preselector. Signal-to-noise ratio is extremely high. New improved A. V. C. and increased band-spread make operation of the RCA-175 a real pleasure. Has separate electro-dynamic speaker. New type velvet drive tuning control is absolutely free of backlash. The ACR-175 is built in a handsome, rugged metal cabinet. Power transformer operates on 110 volts, 25 to 60 cycles.

A10171. With Tubes, Crystal and Speaker. **YOUR PRICE** **\$119⁵⁰**

SHORT WAVE KITS & RECEIVERS

KNIGHT SUPER-GAINER S.W. KIT



Latest design, improved circuit uses 4 all-metal tubes to give 7 tube performance. Exceptional sensitivity and selectivity results from the use of regeneration in the first and second detector stages. The new 6L7 diode tube allows absolute decoupling between oscillator and first detector, providing an extreme increase in sensitivity. Features: Bandsread tuning, dual regeneration control, iron core I.F. transformer, Isolantite coil sockets and adequate shielding. Complete kit includes punched chassis base and front panel, special shield, tube and coil sockets, resistors, condensers, hardware, complete diagrams and instructions, etc. Uses 1-6L7, 1-6C5, 1-6F5 and 1-6F6.

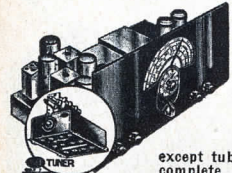
A9505. Complete kit of parts with 80 meter coils, less tubes. NET..... **\$1450**

A9506. SET OF COILS. 8 coils, to cover the 10, 20, 40 and 160 meter bands, with adequate overlap for short wave broadcast band coverage. NET..... **\$3.40**

A. C. POWER SUPPLY FOR SUPER GAINER

A9507. Complete kit of parts. Output 240 V. D.C. and 6.3 V. at 1.6 A. Kit includes punched chassis base, transformer, chokes, condensers, sockets, cable, diagrams, instructions, etc. Requires 1-80 tube (not supplied). NET..... **\$4.95**

BROWNING 35 ALL-WAVE KIT



An easy-to-build receiver that will produce amazing results. Tunes 13.3 to 550 meters in 4 full bands with no skips. Extremely high sensitivity and selectivity. Micro-vernier calibrated dial has 40-1 ratio. Tuning unit is factory-assembled, wired and tested. Built-in preselector and band-pass I.F.'s for high selectivity on all bands. Uses 1-2A7, 1-2A6, 1-2A5, 1-56, 2-58 and 1-80 tubes. Kit includes everything necessary except tubes and speaker, with complete instructions.

A10230. YOUR PRICE..... **\$3990**

A10231. Browning kit as above, but metal tube model. Requires 1-6A8, 2-6K7, 1-6C5, 1-6F5, 1-6H6, 1-6F6 and 1-80 tubes. NET..... **\$41.65**

TOBE AMATEUR RECEIVER KIT

Similar to the Browning 35 but designed to cover only the Amateur Bands of 20, 40, 80 and 160 meters. Has wide bandsread, Beat Oscillator, stand-by switch and many other features. Kit contains all parts required except tubes and speaker.

A10235. COMPLETE KIT..... **\$4740**

ELECTRALLOY CHASSIS AND PANELS



CHASSIS
Rustproof, non-magnetic metal chassis bases. Easy to cut, drill or solder.

Bases are folded on 4 sides, open bottoms.

- A9556. 7" x 9" x 2" .. \$0.65
- A9557. 7" x 11" x 2" .. .78
- A9558. 7" x 13" x 2" .. .88
- A9559. 10" x 12" x 3" .. .96
- A9560. 10" x 17" x 3" .. 1.23
- A9561. 10" x 23" x 3" .. 1.45

PANELS

Non-magnetic, rustproof, and stainless. Easily cut or drilled.

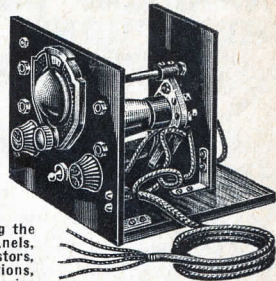
- | Size | EACH |
|-------------|--------|
| A5605 7x10 | \$0.38 |
| A5606 7x12 | .35 |
| A5607 7x14 | .47 |
| A5608 7x16 | .52 |
| A5609 7x18 | .58 |
| A5610 7x21 | .71 |
| A5611 7x24 | .79 |
| A5612 7x30 | .98 |
| A5613 36x36 | 5.29 |

Cut to Size

We can supply electralloy panels cut to any size, at 1c per square inch. Minimum order..... 95c

KNIGHT 5 METER TRANSCEIVER

TWO-WAY 56-60 MC AMATEUR PHONE KITS



Easy to build and operate; the range is entirely dependable. Uses a single type 69 tube in an efficient push-pull ultra-coupled oscillator circuit, grid modulated. For reception the same tube acts as push-pull super-regenerative detector. Simple quarter or half-wave rod may be used for the antenna. (Complete diagram and parts list available at 5c to cover handling and mailing.) Kit contains all necessary parts for building the chassis model shown. Includes panels, baseboards, dial, condensers, resistors, isolantite socket, hardware, instructions, etc. Complete kit less tube, batteries and handset.

A9556. YOUR PRICE..... **\$558**

DELUXE PORTABLE KIT

A9554. Same kit as above but includes a compact leatherette-covered carrying case with room for all batteries, handset, etc. NET..... **\$9.32**

KNIGHT METAL TUBE DX-ER KIT

An extremely efficient, easy-to-build receiver of modern, up-to-date design. Uses two metal tubes, 1-6J7 and 1-6C5. Features full band-spread tuning; electron-coupled detector; shielded chassis construction; ultra smooth regeneration control; non-critical antenna input. May be operated from batteries or A.C. power supply. Requires 6.3 volts at 1.5 A., 90 to 135 volts for plate supply. Kit contains all necessary parts and diagrams, less only tubes, coils, batteries and headphones. Special power supply kit is listed below.



A9511. NET..... **\$680**

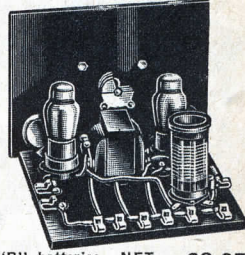
A9512. Set of 4 plug-in coils for the Metal Tube DX-ER, 16 to 195 meters. YOUR PRICE..... **\$1.25**

A.C. POWER SUPPLY

A9513. Complete kit of parts for the A.C. power supply. Contains punched chassis base, transformer, chokes, condensers, etc. Requires 1-1V tube (not included). Output 100 V. D.C., 6.3 V. at 4 A. NET..... **\$5.50**

KNIGHT TWO TUBE DX-ER KIT

Described in "Popular Mechanics," "Short Wave Craft," and other leading radio magazines. Operates completely on dry batteries. Uses two type 30 tubes in an efficient regenerative circuit with one audio stage. This complete kit contains all parts for the DX-ER, including panel, baseboard, condensers, shielded transformer, etc., with complete wiring diagram. Necessary accessories are listed below.



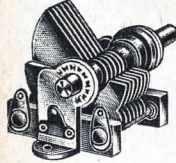
A9520. YOUR PRICE..... **\$495**

A5574. 4 coils, cover 16 to 217 meters. NET..... **\$1.03**

A9521. Accessory Kit. 2-Raytheon 30 tubes, 2 Dry cells, and 2-45 volt "B" batteries. NET..... \$2.87

A2800. Brandes 2400 ohm headphones. NET..... 1.59

Improved Hammarlund Midget Condensers



High quality midget condensers of improved design. Thoroughly insulated with Isolantite. Brass plates .0225" thick with an .0245" air gap are securely fastened to the 1/8" shaft. Wide bearings at front and rear provide extra good contact. Clockwise rotation. Shaft to facilitate ganging.

No.	Plates	Min. Mmf.	Max. Mmf.	List	NET
A5300*	3	3	20	\$1.40	\$0.82
A5301*	5	4	35	1.50	.88
A5302*	7	5	50	1.60	.94
A5303*	11	6	80	2.00	1.18
A5304*	11	6	80	2.00	1.18
A5305*	14	6	100	2.25	1.32
A5306	14	6	100	2.25	1.32
A5307	19	7	140	2.50	1.47
A5299*	19	8	140	2.50	1.47
A5308	27	10	200	2.75	1.62
A5309	34	12	260	3.00	1.76
A5310	43	12	320	3.50	2.06

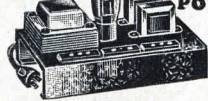
* Semi-circular plates. All others are Midline.

NATIONAL R-100 R.F. CHOKE



Ideal for high frequency circuits. Has continuous 4 section universal winding on isolantite form. Inductance 2 1/2 M.H.; distributed capacity only 1 mmf. Current rating 125 M.A.; D.C. resistance 50 ohms. Pigtail connections.

A6879. List. 60c. YOUR PRICE..... **36c**

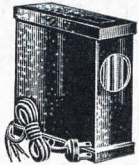


QUALITY POWER SUPPLY MODEL XPC

Delivers 300 volts D.C. at 65 M.A., tapped at 180, 90, and 22 1/2 volts. Also supplies 2 1/2 volts C.T. at 3 amps. for filaments. Requires 1-80 tube. Metal chassis finished in black crackle. Wired and tested.

A9190. YOUR PRICE..... **\$495**

PHOTO CELL AND RELAY



Contains a sensitive photo-cell and quick acting relay. Can be used to control doors, lights, etc., or for a host of other applications. Size 4 1/2" x 4 1/2" x 5 1/2". Suitable for light source in listed below. Complete with photo-cell. For 110 V., 60 cycles.

A4680. NET..... **\$1470**

LIGHT SOURCE FOR ABOVE

A4681. Operates from 110 Volt 60 cycle supply. Uses standard 6-8 volt 32 C.P. auto bulb. Movable brass tube and optic lens for focusing light beam.

NET..... **\$5.88**

Black Crystallizing Lacquer

Can be applied to any metal surface with either brush or spray gun. 20 minute air drying.



- A1950. 2 oz. Can..... \$0.21
- A1951. 8 oz. Can..... .73
- A1953. 1 pt. Can..... 1.25

HEADPHONES CRYSTAL SETS TELEPHONES

AMERICAN BELL SENSITIVE HEADPHONES

These unusually sensitive and efficient headphones are the product of one of America's foremost manufacturers, and are noted for fidelity and clarity of tone. Their aluminum shells and light aluminum caps make them light in weight. The fine magnet gives added retentivity. D.X. fans will be delighted with the fine reception made possible with these quality headphones. Wt., 2 lbs.



A2807. 3,000 Ohms. NET. **\$1.25**
A2806. 2,000 Ohms. NET. **97c**

AMERICAN BELL SINGLE HEADPHONE

A comfortable dependable single unit headphone which is easy to wear. Has a single spring steel headband. Unit is of lightweight construction. May be used on any set equipped for phones; ideal for multiple hearing-aid installations. Complete with cord.



A2813. 1,000 Ohms. YOUR PRICE **66c** | A2814. 1,500 Ohms. YOUR PRICE **79c**

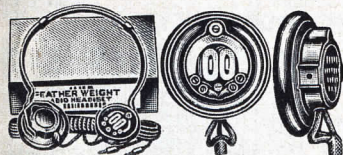
BRANDES PHONES

Well known phones of excellent construction, whose quality is recognized everywhere. Extremely sensitive; respond to the faintest signal. Light in weight. Have adjustable headband. Resistance is 2,400 ohms per pair. Wt., 2 lbs.



A2800. YOUR PRICE. **\$1.59**

TRIMM FEATHERWEIGHT PHONES



Extremely compact. Weight only 4 ounces. Noted for unusual sensitivity and comfort. Bakelite shells and caps, with forged magnets of best grade Cobalt steel. Spring steel headband is adjustable. Diameter only 3 3/4". Custom-built for Amateurs, Aircraft, Hard-

of-Hearing, etc. The standard phones are ideal for general purpose work. The Special (24,000 ohms impedance) phones are designed especially for Short Wave work and have a 36% Cobalt steel magnet.

A5270. 4,000 Ohms Standard. } PER PAIR } **\$5.88**
A5271. 24,000 Ohms Special. }

SINGLE UNIT FEATHERWEIGHT PHONES HEADBAND STYLE LORNETTE HANDLE

With adjustable steel headband. Ideal for group hearing-aid installations.

Single unit as at left but with lorgnette handle. Handle extends 14 in.

A5273. 2,000 Ohms. NET. **\$3.67**

A5275. 2,000 Ohms. NET. **\$3.97**

GLASS ENCLOSED CRYSTAL DETECTOR

A dust-proof glass enclosed detector complete with super-sensitive crystal. Standard in 90% of the crystal sets made. A fast selling item. Shpg. wt., 8 oz.

A7061. YOUR PRICE **22c**

PHILMORE FIXED CRYSTAL DETECTOR

Extremely sensitive. Selected crystals are meter tested and permanently adjusted. Housed in compact bakelite case. Eliminates bother of continual adjustment. Just for sensitive spot. Pre-tested.

A7063. List, \$1.00. EACH. **43c**

OPEN TYPE DETECTOR

Universal Joint on swivel arm provides quick, accurate adjustment on any point of crystal. Hand-some polished metal finish. Complete with crystal. Wt., 8 oz.

A7062. 10 for \$1.10, Each **12c**

MIDGET SHORT JACKS

3/8 in. mounting, heavy bakelite insulators.

A8982. No. 1. Open Circuit. Output type. NET. **14c**

A8983. No. 2A. Single Closed Circuit type. NET. **14c**

PHILMORE CRYSTAL SETS

THE BLACKBIRD

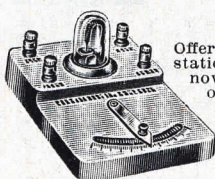
A first quality crystal set presented at the lowest possible price. Requires no tubes or batteries. Delivers programs loud, clear and without distortion. Housed in crystalline finish metal cabinet with attractive front panel. Employs a dust-proof glass-enclosed supersensitive crystal detector making possible the best of results. Accessories of good quality are listed below. Wt., 3 lbs.



A7050. List, \$3.00. NET. **\$1.62**

LITTLE GIANT

Offers the utmost in entertainment on local stations with the extensive chain programs now being broadcast from stations all over the country. A sensitive crystal enclosed in a dust proof glass casing helps bring stations in loud and clear. Shpg. wt., 2 lbs.



A7051. List, \$1.50. YOUR PRICE. **69c**

PHILMORE SELECTIVE

Designed to give the most efficient results. Possesses unusual selectivity. Built with a tapped coil matched with a .00035 Mfd. variable condenser. Very sensitive and easy to tune. Reception is loud and clear. Set has double connection posts making possible the use of two pairs of headphones at one time. Housed in a crackle finish metal cabinet with panel of modernistic design. Wt., 1 1/2 lbs.



A7053. List, \$5.00. YOUR PRICE. **\$2.35**

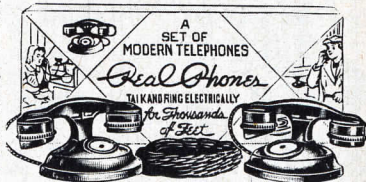
CRYSTAL SET ACCESSORY KIT

Complete equipment for operating any of the above crystal sets. Consists of a set of good quality headphones, aerial and ground wire, lead-in strip, lightning arrester, insulators and all necessary parts for a perfect aerial installation. Shpg. wt., 4 lbs.

A7054. YOUR PRICE. **\$1.38**

NEW DUPLEX REAL PHONES

Attractive two-way French style telephones that operate on dry cell batteries. Furnished in pairs—ready for use. Only 2 standard dry cells for each set need be added. Practical at home or at work; especially convenient as room-to-room or house-to-garage telephones. Equally useful in offices, factories, public garages, restaurants, stores, etc. Full instructions for rapid connection. Set consists of 2 Realphones with buzzers and 35 feet of wire. Additional wiring may be added as required. Available in four colors.



A1980. Black. YOUR NET PRICE **\$4.12**
A1981. Green. PER SET OF
A1982. Silver. 2 PHONES
A1983. Chinese Red. \$3.82

Lots of 3 Sets. PER SET. \$3.82

ACCESSORIES

A1150. Dry Cells for use with Realphones. NET EA. \$0.19
A1984. 100 ft. 3 cond. cable for outdoor use. NET. 1.71
A1985. 100 ft. cable for indoor use. NET. 1.37

MULTIPLE PHONE SYSTEMS: Write for Serv-U-Phone literature, showing private telephone systems having from 2 to 10 stations. We can also supply many types of private telephone systems using multiple telephone units for use in hotels, offices, factories, theatres, hospitals, between house and garage, in the home, etc. Write to us, furnishing full specifications, and we shall quote to meet your exact needs.

SENSITIVE MOUNTED CRYSTAL

Carefully tested mounted crystal. Sensitive galena. Fits all standard crystal cups.

A4151. Per 10 55c. NET EACH. **6c**

METER TESTED CRYSTAL

Laboratory tested on very sensitive meters. Genuine Galena composition. Fits all crystal cups.

A4150. NET. **19c**

DOUBLE PHONE PLUG

Molded of brown bakelite. Nickel plated brass hardware. Takes 2 sets of cord tips which are held firmly in place with screws.

A5515. NET. **19c**

Carbon Resistors Wire-Wound

OHMITE 10 WATT "RED DEVIL" RESISTORS

For all radio requirements. Wire-wound on low-loss porcelain core; coated with refractory cement which protects wire even at red heat. Will not deteriorate or change value with age. Efficiency is 100% at rated wattage; will stand temporary overloads of up to 50 watts. Size, 1 1/2" x 3/4". With firmly anchored 1 1/2" tinned leads.



No.	Ohms	No.	Ohms	No.	Ohms
A8180	1	A8202	300	A8223	4000
A8181	2	A8203	350	A8224	4500
A8182	3	A8204	400	A8225	5000
A8183	4	A8205	450	A8226	6000
A8184	5	A8206	500	A8227	7000
A8185	5	A8207	600	A8228	7500
A8186	10	A8208	700	A8229	8000
A8187	12	A8209	750	A8230	8500
A8188	15	A8210	800	A8231	10000
A8189	20	A8211	900	A8232	11000
A8190	25	A8212	1000	A8233	12000
A8191	30	A8213	1100	A8234	12500
A8192	35	A8214	1200	A8235	13500
A8193	40	A8215	1250	A8236	14000
A8194	50	A8216	1500	A8237	15000
A8195	75	A8217	1750	A8238	16000
A8196	100	A8218	2000	A8239	17500
A8197	125	A8219	2250	A8240	18000
A8198	150	A8220	2500	A8241	20000
A8199	200	A8221	3000	A8242	22500
A8200	225	A8222	3500	A8243	25000
A8201	250				

List Each, 40c.
YOUR PRICE
EACH

24c

NEW IRC INSULATED TYPE "BT" METALLIZED RESISTORS



An improved new resistor design makes these units outstanding and desirable in every way. The metallized resistor element is sealed in completely by a special high voltage insulating material which absolutely eliminates danger of grounding. New small size gives unusual convenience. Wire leads of handy effective length are provided. The heavy casing of insulating material makes these new units crack-proof and trouble-free. Accurate, durable and safe. The quiet performance of these new type resistors renders them ideal for use in AVC circuits, high gain amplifiers, etc. The resistance element is sealed in against moisture. Leads are effectively bonded to the resistance element. Be sure to specify value desired, when ordering.

STANDARD STOCK RANGES

OHMS	OHMS	OHMS	OHMS	OHMS	OHMS
50	750	5000	17500	75000	750000
100	800	6000	20000	100000	
150	1000	7000	22500	125000	1.5 Meg.
200	1250	7500	25000	150000	2 Meg.
250	1500	8000	30000	200000	3 Meg.
300	2000	8500	35000	250000	4 Meg.
350	2250	10000	40000	300000	5 Meg.
400	2500	11000	50000	400000	6 Meg.
450	3000	12000	60000	500000	7 Meg.
500	3500	12500	65000	600000	10 Meg.
600	4000	15000	70000		

Type BT-1/2-1/2 Watt

A5705. Available in all ranges above from 50 OHMS to 10 MEGOHMS. Only 3/8 inch long. 3/16 inch diameter, with 1 1/2 inch leads. Ideal for use in midgeet receivers. Specify values desired when ordering.
List, Each, 17c.
NET EACH

10c

Type BT-1-1 Watt

A5706. A fine resistor for all radio applications. Small; accurate; sealed against moisture. Only 1 1/4" long. 3/4" diameter. Available in all values above, from 50 OHMS to 10 MEG. Specify values.
List, Each,
20c.
NET EACH

12c

TYPE BT-2-2 WATT

A5707. A splendid resistor that is accurately rated and quality built. Each unit measures 1 3/4" long, 5/8" in diameter. Has 1 1/2" tinned leads. Type BT-2 resistors are available in all of above resistance values from 450 OHMS to 10 MEG. Be sure to specify values when ordering.
List, Each, 30c.
YOUR PRICE EACH

18c

HANDY R.M.A. COLOR CODE GUIDE



A handy pocket-size celluloid guide with rotary discs which show body, end and dot colors of resistors according to standard RMA color code. Gives resistance value quickly and easily; eliminates figuring.

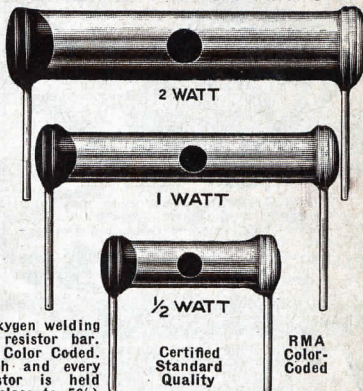
A5109. YOUR PRICE

9c

FREE with order for Knight resistor kit or 24 assorted Knight resistors.

KNIGHT CARBON RESISTORS

The finest carbon resistors you can buy at any price. Use these highest quality units with confidence, in any R.F. or Audio circuit. 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. Tinned soft drawn copper leads are "copper-bonded" by oxygen welding process to the solid resistor bar. Each resistor is RMA Color Coded. The tolerance of each and every Knight Carbon Resistor is held within 10% (average close to 5%) by automatic testing machines.



Certified Standard Quality

RMA Color-Coded

Resist. Ohms	1/2 WATT No.	1 WATT No.	2 WATT No.	Resist. Ohms	1/2 WATT No.	1 WATT No.	2 WATT No.
100	A4914	A4978	A5042	17500	A4946	A5010	A5074
150	A4915	A4979	A5043	20000	A4947	A5011	A5075
200	A4916	A4980	A5044	22500	A4948	A5012	A5076
250	A4917	A4981	A5045	25000	A4949	A5013	A5077
300	A4918	A4982	A5046	30000	A4950	A5014	A5078
350	A4919	A4983	A5047	40000	A4951	A5015	A5079
400	A4920	A4984	A5048	50000	A4952	A5016	A5080
450	A4921	A4985	A5049	60000	A4953	A5017	A5081
500	A4922	A4986	A5050	75000	A4954	A5018	A5082
600	A4923	A4987	A5051	100000	A4955	A5019	A5083
700	A4924	A4988	A5052	150000	A4956	A5020	A5084
800	A4925	A4989	A5053	200000	A4957	A5021	A5085
900	A4926	A4990	A5054	250000	A4958	A5022	A5086
1000	A4927	A4991	A5055	300000	A4959	A5023	A5087
1250	A4928	A4992	A5056	400000	A4960	A5024	A5088
1500	A4929	A4993	A5057	500000	A4961	A5025	A5089
1750	A4930	A4994	A5058	600000	A4962	A5026	A5090
2000	A4931	A4995	A5059	750000	A4963	A5027	A5091
2250	A4932	A4996	A5060	900000	A4964	A5028	A5092
2500	A4933	A4997	A5061	1 meg.	A4965	A5029	A5093
3000	A4934	A4998	A5062	1.5 meg.	A4966	A5030	A5094
3500	A4935	A4999	A5063	2 meg.	A4967	A5031	A5095
4000	A4936	A5000	A5064	2.5 meg.	A4968	A5032	A5096
4500	A4937	A5001	A5065	3 meg.	A4969	A5033	A5097
5000	A4938	A5002	A5066	3.5 meg.	A4970	A5034	A5098
6000	A4939	A5003	A5067	4 meg.	A4971	A5035	A5099
7000	A4940	A5004	A5068	5 meg.	A4972	A5036	A5100
8000	A4941	A5005	A5069	6 meg.	A4973	A5037	A5101
9000	A4942	A5006	A5070	7 meg.	A4974	A5038	A5102
10000	A4943	A5007	A5071	8 meg.	A4975	A5039	A5103
12500	A4944	A5008	A5072	9 meg.	A4976	A5040	A5104
15000	A4945	A5009	A5073	10 meg.	A4977	A5041	A5105

1/2 WATT NET EACH **5c** | 1 WATT NET EACH **6c** | 2 WATT NET EACH **10c**
Per Doz. 50c | Per Doz. 60c | Per Doz. \$1.10
Per 100 \$4.00 | Per 100 \$4.85 | Per 50 \$4.40

KNIGHT CARBON RESISTOR KITS

EACH KIT CONTAINS 24 POPULAR VALUES

These handy kits each containing 24 Knight Carbon Resistors of the most popularly used values will save you time and money. Values not listed may be quickly obtained by combining 2 or more units. Each kit is packed in a handy, durable container, of a convenient size to fit in your tool kit, or for handy use on your service bench.

KIT CONTAINS ONE EACH:

OHMS	OHMS	OHMS
200	6,000	50,000
400	10,000	60,000
500	12,500	75,000
700	15,000	100,000
1,000	20,000	250,000
2,000	25,000	500,000
3,000	30,000	1 meg.
4,000	40,000	2 meg.



A handy RMA Color Coded Guide is included FREE with every Knight Carbon Resistor Kit.

1 WATT KIT

Consists of one each of the above resistors in 1 watt size.

A5106. YOUR PRICE **\$1.25**

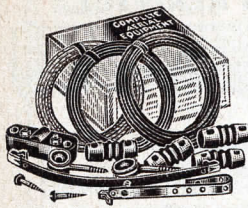
1/2 WATT KIT

Consists of one each of the above resistors in 1/2 watt size.

A5108. YOUR PRICE **\$1.05**

HOOK-UP & MAGNET WIRE • CABLES

DE LUXE AERIAL KIT



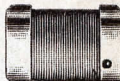
A fine aerial kit value. Made with an efficient antenna. Kit contains: 100 ft. of 7 strand copper aerial wire; 40 ft. of rubber-covered lead-in wire; 25 ft. of insulated wire; 2—window lead-in strip; 1—strap type ground clamp. Shpg. wt., 6 lbs.

A3486.
YOUR SPECIAL PRICE.....

63c

MAGNET WIRE ON SPOOLS

Highest grade obtainable. Ideal for winding armatures and field coils, receiver and X-mitter coils, transformers, chokes, etc. Continuous length on each spool. Standard B & S gauge. We can supply magnet wire in all sizes in larger quantities than listed below. Write for prices.



PLAIN ENAMELED

No.	½ LB. SPOOLS		NET
	Size	Ft.	
A3520	14	38	\$0.16
A3521	16	63	19
A3522	18	101	20
A3523	20	159	21
A3524	22	253	24
A3525	24	402	26
A3526	26	640	28
A3527	28	1013	31
A3528	30	1602	34
A3529	32	2543	37
A3530	34	4042	45
A3531	36	6410	56

DOUBLE COTTON

No.	½ LB. SPOOLS		NET
	Size	Ft.	
A3533	14	36	\$0.21
A3534	16	61	23
A3535	18	96	26
A3536	20	150	29
A3537	22	234	30
A3538	24	362	37
A3539	26	558	48
A3540	28	842	57
A3541	30	1321	73
A3542	32	1889	90
A3543	34	2746	114
A3544	36	3801	140

DOUBLE SILK

No.	½ LB. SPOOLS		NET
	Size	Ft.	
A3546	18	49	\$0.23
A3547	20	78	28
A3548	22	126	26
A3549	24	196	33
A3550	26	310	39
A3551	28	486	46
A3552	30	775	53
A3553	32	1207	70
A3554	34	1828	90
A3555	36	2668	123
A3556	38	3875	182
A3557	40	5325	259

Celanese-Wrapped Filament Lead Wire



Developed especially for use in heavy-duty filament circuits. No. 14 conductor made up of 41 strands of No. 30 tinned copper wire. Has double-wrap Celanese braid insulation. Available in red or black.

A2460. 25 Ft. Spool. Black.
A2461. 25 Ft. Spool. Red.
YOUR PRICE EACH.....

38c

All-Rubber Service Cord

Round flexible weatherproof cable. No. 18 (16/30) stranded wire conductors, each rubber-covered and coded, with cotton wrapping and outer live rubber sheath.



No.	Cond.	100 Ft.	Per Ft.
A2435	2	\$2.15	2 1/2c
A2436	3	3.25	3 1/2c

STANDARD AERIAL KIT

Includes all materials for an efficient "Marconi type" antenna for use with any set. Consists of: 90 ft. of 7x26 stranded copper wire; 25 ft. of rubber-covered lead-in wire; window lead-in strip; 2—porcelain insulators; 2—nail knobs; strap-type ground clamp. Shpg. wt., 4 lbs.

A3485.
NET.....

37c

AERIAL WIRE VALUES

Exceptionally high quality hard-drawn copper wire. Has very little "stretch." Enamelled wire will not corrode and has high conductivity. Excellent for all aerial requirements—All-Wave, Short-Wave, or Broadcast, either single-wire, doublet or cage type.



7x26 STRANDED
A3438. 50 ft. 9c
10 for 80c. EACH.....
A3439. 100 ft. 17c
10 for \$1.60. EACH.....
A3440. 200 ft. 33c
10 for \$3.20. EACH.....

7x22 STRANDED
A3435. 50 ft. 16c
10 for \$1.55. EACH.....
A3436. 100 ft. 29c
10 for \$2.75. EACH.....
A3437. 200 ft. 57c
10 for \$5.45. EACH.....

7x26 ENAMELED
A3447. 50 ft. 12c
10 for \$1.05. EACH.....
A3448. 100 ft. 22c
10 for \$2.10. EACH.....
A3449. 200 ft. 43c
10 for \$4.15. EACH.....

7x22 ENAMELED
A3444. 50 ft. 20c
10 for \$1.90. EACH.....
A3445. 100 ft. 39c
10 for \$3.70. EACH.....
A3446. 200 ft. 77c
10 for \$7.35. EACH.....

PUSH-BACK HOOK-UP WIRE

SOLID TINNED COPPER CORE

Double cotton-covered, with paraffin treated damp-proof braid which pushes back easily. Solid tinned No. 20 copper wire core. A color for every circuit.

25 FOOT ROLLS
A3560. Black. PER ROLL
A3561. Yellow. PER ROLL
A3562. Red. PER ROLL
A3563. Green. PER ROLL
A3564. Blue. PER ROLL
10 FOR 90c.

10c

100 FOOT ROLLS
A3565. Black. PER ROLL
A3566. Yellow. PER ROLL
A3567. Red. PER ROLL
A3568. Green. PER ROLL
A3569. Blue. PER ROLL
10 FOR \$3.25.

33c

STRANDED TINNED COPPER CORE

Core consists of multi-strand tinned No. 20 copper hook-up wire with cotton insulation. Flexible; easy to manipulate. Braid pushes back easily.

25 FOOT ROLLS
A3580. Black. PER ROLL
A3581. Yellow. PER ROLL
A3582. Red. PER ROLL
A3583. Green. PER ROLL
A3584. Blue. PER ROLL
10 FOR \$1.05.

11c

100 FOOT ROLLS
A3585. Black. PER ROLL
A3586. Yellow. PER ROLL
A3587. Red. PER ROLL
A3588. Green. PER ROLL
A3589. Blue. PER ROLL
10 FOR \$3.90.

40c

ALL-PURPOSE LEAD-IN WIRE

RUBBER COVERED LEAD-IN WIRE

Solid Wire
High quality No. 16 rubber covered lead-in wire. Weatherproof.
No. Ft. 10 for EACH
A3475 25 \$1.05 \$0.11
A3476 50 2.05 .21
A3477 100 4.00 .41
A3478 1000 3.95

Stranded Wire
Stranded No. 18 rubber-covered lead-in wire. Flexible and easy to work.
No. Ft. 10 for EACH
A3479 25 \$0.97 \$0.10
A3480 50 1.84 .19
A3481 100 3.65 .37
A3482 1000 3.60

Weatherproof Twisted Pair Lead-in



For use as low-impedance transmission line with noise-reducing aeriials. Two stranded copper conductors, rubber covered. Paraffined braid over all.
A2432. 100 ft. coils. NET EACH..... **95c**
A2433. 500 ft. coils. NET EACH..... **\$4.45**
A2431. YOUR PRICE. Per Ft..... **1c**

CRYSTAL MICROPHONE CABLE



Shielded, rubber-jacketed cable. Conductor is of fine stranded copper; extremely flexible. Available in two types, single or double conductor. Low-loss.
SINGLE CONDUCTOR
A2499. 100 Ft..... **\$3.10**
PER FOOT..... **3 1/2c**
DOUBLE CONDUCTOR
A2498. 100 Ft..... **\$5.60**
PER FOOT..... **6c**

HANDYCORD LAMP CORD



Rubber-jacketed flexible cord; each conductor is No. 18 stranded copper wire, separately insulated in tough rubber sheath that splits exactly down center when pulled apart.
A3410. Brown. PER FOOT..... **1 1/2c**
A3411. Black. PER FOOT..... **1 1/2c**
A3412. White. PER FOOT..... **1 1/2c**
SPECIFY COLOR..... **\$1.25**

COTTON BRAID OVERALL

No. 18 stranded conductors, each covered with rubber jacket with brown cotton braid over all. Any length.
No. Cond. Per 10 Feet NET
A3500 2 26c \$1.30
A3501 4 23c 2.05
A3502 4 29c 2.69
A3503 5 37c 3.30
A3504 6 42c 3.85
A3505 7 48c 4.10

SHIELD and RUBBER JACKET OVERALL

Heavy rubber jacket over tinned copper shielding. Ideal for outdoor and heavy duty service.
No. Cond. Per Ft. NET
A3514 2 3c \$2.45
A3515 3 4c 3.75
A3516 4 5c 4.45
A3517 5 6c 5.10
A3518 6 7c 6.25
A3519 7 8c 7.25

WOVEN SHIELDING OVERALL

Tightly woven overall shielding of fine tinned copper wire. Each is No. 18 conductor, insulated with rubber jacket. Any length.
No. Cond. Per Ft. NET
A3507 2 3c \$2.50
A3508 3 3 1/2c 3.25
A3509 4 4c 3.85
A3510 5 5c 4.50
A3511 6 6c 5.65
A3512 7 7c 6.00

CORD SET

A high grade line cord for use on radios, lamps, fans, amplifiers, etc. 6 foot cord with rubber plug.
A3498. YOUR PRICE. **15c**

NOTE
Our complete 152 page catalog shows the largest selection of wire and aerial equipment available anywhere. Write for this big book of radio values. It's free. It pays to do your radio buying 100% from ALLIED.

ANTENNA KITS & EQUIPMENT

RCA RK-40 ALL-WAVE ANTENNA ASSEMBLED AND WIRED



- GIVES ALL-WAVE COVERAGE
- IMPROVES BROADCAST RECEPTION
- COMES COMPLETELY ASSEMBLED
- EASY TO INSTALL ANYWHERE

A scientifically designed All-Wave antenna of the Universal Doublet type. Completely assembled, ready to install; total

span is only 68 feet. Noise pickup is eliminated by use of twisted pair transmission line. Improves reception on all bands.

HOW THE SYSTEM WORKS

The antenna itself acts as an efficient pickup medium, giving high signal strength on all short wave and broadcast bands. The transmission line conveys this energy to the coupling unit which automatically matches the line to the input circuit of the receiver.

KIT CONSISTS OF:

- 1 Complete antenna assembly, with end insulators, 75 ft. transmission line, hermetically sealed antenna junction box, all completely assembled;
- 1 Receiver matching transformer;
- 2 Porcelain nail-on knobs;
- 1 Porcelain lead-in tube, 1 Adjustable ground clamp.

\$3.30

A7598. List, \$5.50.
YOUR PRICE.....

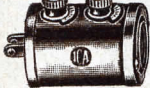
A7597. RCA RK-40-A ANTENNA. Same efficient aerial as RK-40, but less the receiver coupler. NET..... **\$2.85**
A7593. 12555 COUPLER ONLY. Matching unit for RK-40-A Antenna. NET..... **45c**

RCA 4738 TRANSMISSION LINE

Additional transmission line designed for use with the RCA RK-40, and RK-40-A antennas or with any other doublet type antenna system. This special transmission line assures the maintenance of proper line impedance and provides correct impedance match between antenna and receiver matching transformer. 80 ft. coil.

A7615. YOUR PRICE, PER COIL..... **\$2.09**

Dynatrol Filter and Indoor Antenna



Combination indoor aerial and line noise filter. Plugs into light socket. May be used with regular aerial to gain increased pick-up. Reduces noise and improves set sensitivity. Highly efficient.

A5518. List, \$1.50. NET..... **83c**



BEE-HIVE INSULATOR

For supporting wiring, instruments. Made of glazed porcelain. 2" dia.; 2 1/4" high. Extra strong and weatherproof. May be used outside to support lead-in or ground wires.

A6190. **7c**
10 FOR 65c. EACH...

Glass Insulators

Absolutely climate-proof. Extremely efficient; designed for great strain. 3 in. long.

A6196. 10 FOR **3c**
25c. 100 FOR \$2.45. EACH

BAKELITE EYE WALL INSULATOR

Bakelite center mounted in galvanized screw eye.

A3430. 3 INCH. **2 1/2c**
10 FOR 21c. NET EA.
A3431. 7 INCH. **4c**
10 FOR 35c. NET EA.

PORCELAIN NAIL KNOBS

Sturdy split knobs of glazed white porcelain for holding lead-in and ground wire away from walls. Have alligator jaws for sure grip of wire. Leather washers prevent splitting. 1 1/2" high, 1 1/4" diam. Shpg. wt. 1/2 lb. ea.

A3418. 10 FOR 17c. **2c**
100 FOR \$1.55. EACH

Airplane Insulator



Stream-lined strain insulators, made of low-loss glazed white porcelain. Ideal for breaking up antenna guy wires. Size 1 1/4 x 3/8".

A6217. Wt., 3 oz. **2c**
10 FOR 19c. YOUR PRICE EACH...

MUELLER CLAMP

Durable and rigid because of channeled construction. Case hardened screw. Cadmium plated.

A6508. **6c**
Lots of 10, 47c.
100 Lots, \$4.50. EACH

Window Lead-In



Fits between sash and sill. Pfenstock connector on each end. Duco insulated braid.

A3428. 16 inch. **5c**
NET EACH
A3427. 12 inch. **4c**
Per 100, \$2.85. NET EACH

DOUBLE-WINDOW LEAD-IN STRIP



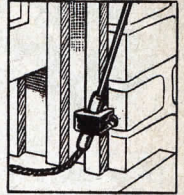
Designed for use with any two-wire lead-in, or transmission line. Completely insulated; with screw terminals; 12" long.

A6198. **9c**
YOUR PRICE.....

New Tobe Window-Pole Antenna

- LOW NOISE PICKUP
- HIGH EFFICIENCY
- EASY TO INSTALL
- INCONSPICUOUS
- ADJUSTABLE TO TWO POSITIONS

A new, convenient, and highly efficient antenna. Can be quickly installed on any window-sill or casement. Supplies more than ample pick-up for any modern receiver and results in excellent signal-to-noise ratio. Rod is of collapsible design, constructed of special-treated steel; extended length is 3 1/2 feet. Can be mounted vertically or horizontally. Makes an ideal portable or permanent antenna installation. Comes complete with lead-in strip and with pole mounted in insulated bracket, ready for installation.



\$1.15

A9542. YOUR PRICE.....

No. 46 DOUBLET SYSTEM



A new doublet type cage antenna designed for noise-free Short-Wave reception. Ideal for use with any All-Wave or Broadcast set. Consists of: 2-20 ft. cage aerials completely assembled with 25 ft. twisted pair lead-in. Each cage has 5 spacer rings and contains 100 ft. of wire. Should be used with an All-Wave coupler for maximum efficiency. Weight, 4 lbs.

A9138. YOUR SPECIAL PRICE..... **\$2.65**

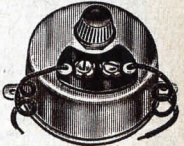
NO. 25 DOUBLET SYSTEM

A noise-reducing aerial for use with all-wave receivers where space is at a premium. Only 10 feet long. Each 5 foot cage contains 25 ft. of wire, connected to 25 ft. of twisted pair weather-proof lead-in wire. Includes 3 antenna insulators and instructions for installation.

A9144. YOUR SPECIAL PRICE..... **\$1.46**
A9146. NO. 50 DOUBLET SYSTEM. Same as above but with 50 feet of twisted pair lead-in. NET..... **\$1.76**

Taco Noise Rejector

New Taco variable impedance-matching antenna unit designed for use with any doublet antenna regardless of design. Background noise is absolutely eliminated by matching antenna to receiver. Quickly adjusted by means of knob on top. Improves Short Wave reception. Wt., 1 lb.



A7902. List, \$2.50. **\$1.47**
NET.....

MILLER ALL-WAVE LINE NOISE FILTER

An effective filter which blocks out troublesome line noise. Incorporates both inductive and capacitive filtering for sure results. Condensers are oil-impregnated; chokes are of new duo-laterally wound type. Simple to install; just plug filter cord into light socket, and plug radio cord into filter; requires no adjustment. Assures noiseless reception from your radio; will last a lifetime. Line cord and plug attached. For 110 volt use.

A6610. List, \$4.00. **\$2.35**
YOUR PRICE.....

BUD INTERFERENCE FILTER

A highly serviceable filter that does away with "man-made interference" such as that caused by bells, refrigerators, etc. Easily and quickly attached by means of cord and plug supplied. As a capacity filter, there is no danger of burnouts. Built into a neatly finished, all-bakelite box. Shipping wt., 1 lb.



A2600. List, \$2.85. **\$1.47**
YOUR PRICE.....

NEW DOUBLET ARRESTER

Two arresters combined in one single unit. May be used indoors or outdoors for any two-wire lead-in or transmission line. Black porcelain case; weather-proof. Wt. 1 lb.

A5549. **18c**
YOUR PRICE.....

BUD ARRESTER

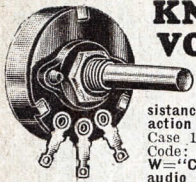
An efficient lightning arrester which gives full protection against lightning hazard. Also improves reception by rejecting static charges. Underwriters' approved. Absolutely dependable, safe and weather-proof. Of brown porcelain construction.



A2601. **25c**
YOUR PRICE EACH.....

For further listings of antenna equipment, see our complete 152 page catalog. Write for this great book if you haven't a copy. It's free.

VOLUME CONTROLS



KNIGHT UNIVERSAL VOLUME CONTROLS

A dependable line of efficient volume controls. Durable; very quiet in operation; moisture-proof. Incorporates special resistance element on bakelite base. Smooth contact action assures quiet operation. Rated at one watt. Case 1 1/2 in. diameter; 3/4 in. shaft extends 1 1/2 in. Code: A=Antenna control; U=Antenna and "C" bias; W="C" bias; P=Potentiometer; T=Tone control or audio shunt. These units are also adaptable for other circuit applications.

WITHOUT SWITCH

No.	Ohms.
A5960	1000A
A5961	2000A
A5962	3000P
A5963	5000U
A5963	10000U
A5969	15000P
A5964	20000W
A5965	25000P
A5966	50000T
A5967	75000W
A5968	100000T
A5969	250000T
A5970	500000T
A5971	1 meg. T

LESS SWITCH. PRICE EACH. **28c**

WITH SWITCH

No.	Ohms.
A5973	1000A
A5974	2000A
A5985	3000P
A5975	5000U
A5976	10000U
A5986	15000P
A5977	20000W
A5978	25000P
A5979	50000T
A5980	75000W
A5981	100000T
A5982	250000T
A5983	500000T
A5984	1 meg. T

WITH SWITCH. PRICE EACH. **40c**

Utah-Carter "Midget" Controls

POTENTIOMETERS and RHEOSTATS



Extremely compact. Precision-built wire-wound. Only 1 1/4" dia., and 3/4" deep back of panel. Dissipates 1 watt. Less knob. Single hole mounting type. May be used for all radio requirements. Ideal where space is at a premium. Large lugs make soldering easy.

POTENTIOMETERS

No.	Ohms	No.	Ohms
A9020	10	A9025	400
A9021	10	A9026	500
A9022	15	A9027	1000
A9023	20	A9028	1500
A9024	200		

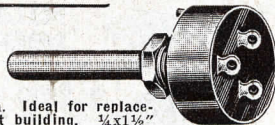
RHEOSTATS

No.	Ohms	No.	Ohms
A9030	1/2	A9037	20
A9031	1	A9038	25
A9032	2	A9039	30
A9033	3	A9040	40
A9034	6	A9041	50
A9035	10	A9042	75
A9036	15		

List, 50c. NET, EACH. **28c**

UTAH-CARTER "Baby" Controls

A new type volume and tone control, measuring only 1" in diameter. Supplied only less switch. ment purposes and for midget set building. 3/4 x 1 1/2" shaft; 3/8" bushing. Dissipates 1 watt.



Ideal for replacement purposes and for midget set building. 3/4 x 1 1/2"

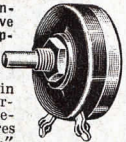
No.	Ohms	No.	Ohms
A8975	1000	A8981	6000
A8976	2000	A8984	*10000
A8977	3000	A8985	10000
A8978	4000	A8986	*15000
A8979	5000	A8987	*20000
A8980	*5000		

List, Each \$1.00. YOUR PRICE EACH. **59c**

* Clockwise taper. † Counterclockwise taper. Balance are Uniform taper.

FILTERMATIC TONE CONTROLS

Advanced condenser type Octave Tone Control. Operates smoothly and noiselessly. Micra dielectric construction, in bakelite case; thoroughly moisture-proofed. Measures 1 3/8" dia.; 1 1/8" deep. 1 1/2" shaft; 3/8" bushing.



WITHOUT SWITCH

No.	Cap.	EACH
A5120	.003	35c
A5121	.006	35c
A5122	.01	41c
A5123	.015	47c
A5124	.02	53c

WITH SWITCH

No.	Cap.	EACH
A5125	.003	47c
A5126	.006	47c
A5127	.01	53c
A5128	.015	59c
A5129	.02	65c

CRL POWER Rheostats

For many commercial applications. Complete a 1r circulation assures maximum dissipation. Treated asbestos insulation.



25 WATT

No.	Ohms	No.	Ohms
A3000	2	A3005	400
A3001	6	A3006	1000
A3002	15	A3007	5000
A3003	50		
A3004	150		

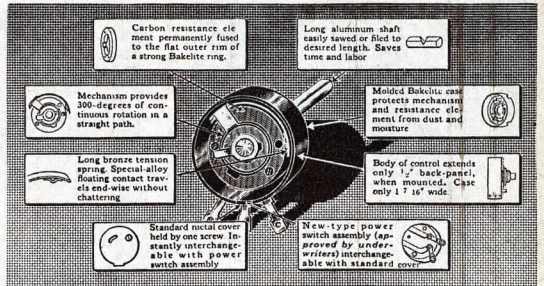
NET EACH. **\$1.18**

50 WATT 75 WATT

No.	Ohms	No.	Ohms
A3010	25	A3017	50
A3011	60	A3018	150
A3012	150	A3019	300
A3013	500	A3020	500
A3014	1000	A3021	1000

NET EACH. **\$1.47**

NEW ELECTRAD STANDARD VOLUME CONTROLS



The latest and finest 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 moulded bakelite case, 3/2" thick, 1 1/4" dia., with metal end cover and long 3/4" dia. aluminum shaft. New type convertible power switches (described below) may be easily added. All control-marked "W" are wire-wound.

Cat. No.	Mfg. No.	Taper Curve	Total Res.	Cat. No.	Mfg. No.	Taper Curve	Total Res.
A4200	204W	D	10	A4240	995W	D	10000
A4201	269W	D	20	A4241	996F	F	10000
A4202	270W	D	30	A4217	240C	C	10000
A4203	271W	D	50	A4218	573B	B	12000
A4204	272W	D	100	A4235	875H	H	12500
A4205	273W	D	200	A4219	201C	C	15000
A4206	274W	D	400	A4218	809C	C	20000
A4207	991W	D	500	A4220	279D	D	25000
A4207	282W	D	600	A4221	280E	E	25000
A4208	275W	D	800	A4222	241F	F	30000
A4209	276W	D	1000	A4242	997B	B	40000
A4237	992W	D	1500	A4223	205D	D	50000
A4210	232W	D	2000	A4224	202A	A	75000
A4211	233W	D	3000	A4225	242E	E	100000
A4212	277W	D	4000	A4226	251D	D	200000
A4213	254W	D	5000	A4243	998A	A	250000
A4214	278E	E	5000	A4227	208E	E	250000
A4238	993W	D	6000	A4228	203F	F	500000
A4239	994W	D	7500	A4229	206E	E	1 Meg.
A4215	560E	E	7500	A4246	999E	E	2 Meg.
A4216	283D	D	10000				

List, Each Standard Volume Control, \$1.00. YOUR NET PRICE, EACH. **59c**

FADER CONTROLS (With Control Tap)

No.	Ohms	Type	Total Res.
A4160	890	E	30,000
A4161	891	E	250,000
A4162	892	E	500,000

DUAL CONTROLS FOR PUSH-PULL GRIDS FOR AUDIO AMPLIFIER USE

No.	Ohms	Type	Total Res.
A4165	893T	E	500,000
A4166	896T	E	250,000

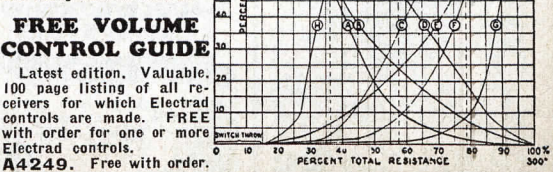
List, each, \$1.50. NET, EACH. **88c**

Power Switches for Electrad Controls

A4231	S.P.S.T. Type. Standard "On-Off" Switch with 2 terminals. List, 50c. NET.	29c
A4233	S.P.D.T. Type. Phono-Radio Switch. Has 3 terminals. List, 50c. NET.	35c
A4234	D.P.S.T. Type. Breaks 2 circuits. Used in battery radios. List, 50c. NET.	35c

ELECTRAD TAPER CHART

Shows you how to select proper standard control. A= Cathode bias control. B= Cathode series control. C= Ant. Shunt or Ant. and bias control. D=Voltage divider. E=Ant. and "C" bias. Audio Shunt and tone control. F=Audio Shunt and tone control. G=Audio Shunt. H=Antenna Cathode heavy current control.



FREE VOLUME CONTROL GUIDE. Latest edition. Valuable, 100 page listing of all receivers for which Electrad controls are made. FREE with order for one or more Electrad controls. A4249. Free with order.

ELECTRAD VOLUME CONTROLS

REPLACEMENT VOLUME CONTROLS

Manufacturer and Model	Cat. No.	YOUR PRICE
Allied Radio (See Knight)	A4217	\$0.59
American Bosch Magneto		
Model 5	A4217	\$0.59
46DC, 27 Ambrola, 16 Ambrola, 35 Cruisers, 57, 87, 86, 76	A4200	.59
10 Essex, 96, DC-96, 146, 166, 176, 46AC, 120, 107, 116	A4228	.59
20K, 20L, 31, 32, 37, 36	A4211	.59
28, 29	A4250*	.88
5A, 200, 201, 205, 206, 210, 211	A4251*	1.18
58, 62AC, 62DC	A4252*	.88
4 Essex, 7, 7C, 7A, 20, 20J, 20K, 20L, 31, 32, 37, 36	A4254*	1.18
48AC, 49, 54DC	A4258*	1.47
58 (Tone Control)	A4228	.59
250, 812 (Tone Control)	A4225	.59
F. A. D'Andrea (Fada)		
41, 42, 44, 46, 47	A4229	.59
73, 74, 76, 79, 83, 85, 88, 89, KY, RA, RC, RE	A4214†	.59
45, 46KU, 51, 53, 57, KX61	A4216	.59
SF-50/80, 22	A4200	.59
7AC, 45/72, 10, 11, 31, 10Z, 71, 72, 475UA, 475CA	A4259*	.88
16, 17, 32, 16Z, 32Z, 18DC	A4266*	.88
20, 20Z, 25, 25Z, 15M, 15MZ, 75, 77	A4262*	.88
48, 49, 51KO, 86KB	A4228	.59
48KW, 49KW	A4215	.59
KO, KC, RG, 55, 58	A4218†	.59
43, 702, KG, KF	A4264*	1.47
Atwater Kent		
70, 74, 76, Series D, F, L-1, L-2, P	A4267*	1.47
55, 55C, 55F, 55FC, 56, 57, 60, 60C, 61, 61C (Strip)	A4278*	.29
55, 55C, 55F, 55FC, 56, 57 (Late Models)	A4269*	1.47
H Series, 70, 72, 74, 75, 76	A4270*	1.47
82, 82F, 85, 85F	A4271*	1.18
80, 80F, 83, 83F, 90, 90F	A4272*	1.18
37, 38, 40, 40F, 41, 42, 42F, 43, 44, 46, 47, 51, 53, 55 (Strip)	A4277*	.29
33, 424, 534, 816, 936	A4228	.59
Early 84, 84F, 84D, 84Q	A4356*	1.18
Brunswick Balke Collender Co.		
14, 21, 31	A4357*	1.18
P.R. 17-8, B17	A4282*	.88
R-1, 2KR, 2KRO, 3KR3, 3KRO, 3KR6, 3KR8, 5KR, 5KRO, 5KR6	A4283*	.88
3NC8, 3NWS, 5NO, 5NC8	A4284*	.88
17, 24, 25, 4PA, 4A, D1L, D12, D16, D18, D83	A4228	.59
S14, S21, S31, S81, S82	A4285*	1.18
DC-14, DC-21, DC-31	A4213†	.59
Below Serial No. 250001, 11, 12, 16, 33	A4286*	.88
10, 321	A4224	.59
PR-6	A4200	.59
32	A4210†	.59
Columbia Radio (See Knight)		
Crosley Radio Corp.		
XI, 3RS, 4-29, 6-60, 6-85, RFL90, 401A, 20 Bat. 21	A4200	.59
Bat., 22 Bat., 5-38, 6-75	A4200	.59
400, 410, 420	A4209	.59
Jewel Box	A4293*	.88
Buddy, Chum	A4206	.59
30S, 31S, 33S, 41S, 42S, Late Models—40S, 41S, 42S, 45S	A4294*	.88
AC-7, AC-7C	A4207	.59
71A, Early Models—40S, 41S, 42S, 45S	A4295*	.88
92, 121, 121-1, Series B, 127, 131, Auto Room	A4228	.59
53, 54, 57, 58, 55D.C., 56D.C.	A4297*	.88
124, 125	A4296*	1.18
Early Models—41A, 42, 61, Female Shaft—608, 610 Gem Box, 602 Band Box, 704 Jewel Box, 705 Show Box, 706 Show Box	A4299*	.88
Early 706 (Long Shaft)	A4300*	.88
26, 52	A4301*	.88
59A.C.	A4302*	.88
41, 41A, 42, 705DC, 706 Show Box (Long Shaft)	A4303*	.88
Short Shaft—602, 704, 704A, 704B	A4304*	.88
Super Buddy 122, Johnny Smoker, 131	A4210	.59
General Motors Radio Corp.		
Six Junior, 6-61, 6B, 5050, 5053, 35	A4200	.59
Day Fan Nos. 8AC, 5003, 5091, 5077, 5080, 72	A4219	.59

* Exact Duplicate Control.
† Requires "On-Off" Switch, A4231.

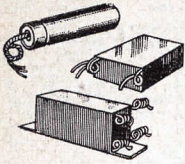
Manufacturer and Model	Cat. No.	YOUR PRICE
General Motors Radio Corp.—Cont'd.		
Chassis S2A, S2B, Models 251, 252, 253, 254, 255, 256, 257, 258	A4316*	\$1.18
Chassis S9A, S9B, Model 211	A4320*	1.18
120 Chassis A, 120 Chassis B, 130 Chassis A, 130 Chassis B, 140 Chassis A, 140 Chassis B, 1001 Early	A4323*	1.47
327V, 110-6-MG, 5053, 5065, 5066, 5057, 5052	A4213	.59
A-5005, A5020	A4223	.59
Grigsby-Grunow Co. (Majestic)		
35 Tone	A4217	.59
70, 70B, 71, 72	A4358*	.88
90, 90B, 91, 92	A4359*	.88
93	A4224	.59
20, 21, 22, 23	A4327*	1.18
15, 15 Chassis, 15B, 150, 151, 153, 154, 155, 156	A4329*	1.18
35 Chassis	A4214†	.59
Majestic 25B	A4398*	1.18
Majestic 90, 90B, 91, 92, 180, 181, 321, 90B, 100, 100B (Equalizer)	A4334*	1.47
Majestic 50 Chassis, 51, 52	A4337*	.88
200, 201, 203, 204	A4338*	.88
210	A4339*	.88
15 (Tone Control)	A4342*	.88
180, 181 (Phono Control)	A4222	.59
25B (Tone Control)	A4397*	.88
150 Chassis (Tone Control)	A4223	.59
80	A4219	.59
44, 40, 194 (Chassis Model)	A4345*	1.18
55, 59, 75, 85, 86, 195, 500, 566 (Chassis Model 500), 998 (Chassis 800)	A4346*	1.18
66	A4348*	1.18
Knight (Allied Radio Corp.)		
6/7, 8/9, 9 Tube Super	A4211	.59
SG8	A4350*	1.18
AC-5G10	A4224	.59
7 Tube Super (108)	A4215	.59
9 Tube Super (114)	A4228	.59
7 Tube Super (108), 9 Tube Super (114) (Tone Control)	A4223	.59
P	A4351*	1.18
P (Batt.) P (32 V.)	A4352*	1.18
R	A4353*	1.18
U, V	A4354*	1.18
T, W	A4355*	1.18
Montgomery Ward & Co.		
2822 Balboa, 2827, 2895 De-Soto, 2897	A4206	.59
1111, 811, 1111X, 811X, WG24, First Type 62-29	A4218	.59
3035, 3037, 3063, 3067, 1522, 1562, 20W, 62-520, Model 49, 26P, 26PX	A4217	.59
1355, 1955, Recital	A4229	.59
62, 1040	A4207	.59
181, 187	A4214	.59
27W Chassis (Tone Control)	A4223	.59
Fantasy & Solo (Tone)	A4229	.59
Commander & Cavalier (Tone Control), 62-21, 62-22, Second Type 62-29, 62-30, 1932	A4228	.59
Auto	A4211	.59
Grenadier & Recital (Tone Control)	A4226	.59
Grenadier	A4213	.59
Philco Radio		
40D.C.	A4207	.59
82, 5, 86, 87, 511, 521, 531, 541, 551, 551A, 561, 571, 581	A4363*	.88
15	A4228	.59
71H, 71L, 71B	A4399*	.88
901 Early, 70A Early, 90 (2-45's), 270, 270A, 90A, Lazy Boy 470, 370A, 470, 470A, 570, 570A	A4364*	1.47
Model 95, 92, 91	A4365*	.88
Models 112, 112A, 112E, 212, 212A, 212E, 30 Batt., 96, 96A, 111, 111A, 296, 296A	A4366*	.88
Models 20, 20A, 220, 21, 41DC, 42DC, 77, 77A, 220A	A4367*	1.47
Models 50, 50A	A4368*	1.47
Models 51, 51A, 48DC, 52	A4412*	.88
62	A4211	.59
60, 261	A4370*	1.18
57	A4371*	1.18
19 (Code 128)	A4372*	1.18
80	A4373*	1.18
28, 29, 45	A4375*	1.18
R.C.A. Victor Co.		
Radiola 16, 20	A4376*	.88
Radiola 44, 46, 47	A4377*	.88

* Exact Duplicate Control.

Manufacturer and Model	Cat. No.	YOUR PRICE
R. C. A. Victor Co.—Cont'd.		
Radiola 64, 67	A4378*	\$0.88
Radiola 66	A4380*	.88
Radiola 80, 82, 86, 35, 89, Clock Model RA608, R51	A4310*	.88
Radiola Suprette, R7A, R8, RYDC, R9, R9DC, R10DC	A4381*	.88
7-23	A4217	.59
Radiola R-11, Superette Model B, R8, R12, R10, RE18, R21, RAE26, RE18A, RE19, R32, RE45, RE52, RE75, RE S.G. Battery Set	A4313*	.88
Radiola RAE-59, RAE-79, R50, R55, RE-28, RE20	A4311*	.88
Radiola 42, Radiola 48, R14, R15	A4386*	2.06
Model 35A	A4204	.59
154, RE156	A4387*	1.47
R34, RE-35, RE-39, RE-57, RE-73	A4390*	1.47
RE-59 (Phono. Control)	A4391*	1.18
RAE84	A4393*	.88
Sears, Roebuck & Co.		
PF, K, 501, 502	A4219	.59
Mentor, Model H	A4400*	1.76
1430, 1370, 1300, 1400, 1402, 1404, 1406, 111, 2400, J	A4218	.59
1721, 1722, 1732	A4401*	1.47
1705	A4402*	1.76
1708, 1709, 1720, 1725, 705	A4403*	1.47
1711, 7079	A4410*	.88
Spartan Radio		
49, 5-26, 5-15, 6-26, 6-15	A4200	.59
10	A4416*	1.18
110AC, 301, 101, 109, 930, 931, 70A, 89, 591, 593, 89, A4419	A4419*	.88
570, 740, 750, 564, 600, 610, 620, 737, 574, 870, 111A, 89A, 589, 103	A4420*	.88
410, 420, 600A, 620A, 610A, 430, 750D	A4421*	1.76
AC7, 285, 285DC, 62, 63	A4224	.59
Stewart-Warner Corp.		
Models 950DC, 980, Battery-950, 970, R100C	A4424*	1.47
900, 811, 806	A4224	.59
500, 520, 525	A4414*	1.18
950A, R100A, R100B, R100E	A4425*	.88
801	A4219	.59
505, 555	A4213	.59
R-106A	A4427*	1.18
R-110E, R110, Series 109, Model 102A, B, E	A4428*	1.18
A4444*	.88	
Stromberg-Carlson		
1A, 1B, 501, 502, 633, 634	A4200	.59
635, 636 (Short Shaft)	A4431*	.88
635, 636, 638A (Double Shaft)	A4432*	.88
846, 848 (Double Shaft)	A4433*	.88
(Long Shaft)	A4434*	.88
641, 642, 652, 654 (Long Shaft)	A4434*	.88
(Double Shaft)	A4435*	.88
United Air Cleaner (Sentinel)		
106B, 10B, 666C, 666, 104, 444, 29, 30	A4219	.59
Series 20, Sentinel 114, 118	A4228	.59
100, 108-A, 108-B, 99, 109, 111	A4215	.59
108	A4225	.59
440	A4218	.59
100, 11, 12, 15, 10	A4217	.59
U. S. Radio & Television Corp.		
80, 36, 37, 50, 60, 90	A4219	.59
Apex 31, DC Model 33, Model 30 Auto, Apex 49, Gloriette 20, 99 Series	A4217	.59
Gloriatone Early 27	A4209	.59
Gloriatone 28, 29, Apex 41, 43, 46, 47, 42, 44, 48, 48A	A4206	.59
No. 8 Series Super, Heterodyne, No. 10 Series Super-het	A4229	.59
7 Series, Penode	A4228	.59
Gloriatone 26P	A4360*	.88
Gloriatone late 27	A4450*	1.18
28, 31 (Tone Control)	A4228	.59
Zenith Radio Corp.		
14, 15, 16, 17, 39, 33, 34, 35, 35A, 342, 352, 352A, 362, 40, 41, 42, 422, 35PX, 35APX, A4454*	A4454*	1.76
80 Hypermetron, BH Zenette, LH Zenette, 6 Tube Zenette	A4223	.59
WH 7 Zenette	A4219	.59
5 Tube Zenette	A4217	.59
270-5, 210-5, 211-5	A4218	.59

* Requires "On-Off" Switch, A4231.

Quality CONDENSERS



EXACT DUPLICATE ELECTROLYTIC CONDENSERS

A complete line of exact duplicate condensers for practically every replacement need. These condensers are the same in electrical and physical characteristics as the originals which they replace. Have same size, appearance, mounting holes, color-coded leads and capacity ratings. All condensers are of leading standard make. Exact duplicates for many other sets are also available. Send in old unit with deposit indicating name and model of receiver and we will duplicate it at an attractive price.

Stock No.	Part No.	Model	Cap. Mfd.	NET
ATWATER-KENT				
A580	24602	155 (142)	8-8-8	\$0.88
A581	24955	155 (3)	8-8-8	.88
BELMONT (Freshman)				
A585	C-525-C	.....	5-25	.59
CROSLLEY				
A590	W23801	124, 125	6-8	.85
A591	W25857B	95, 163	8-8	.45
A597	W27977A	147	8-8	.44
A600	W29150B	169, 7V2,	6-7-8	.94
A606	W30059A	175, 5V1	8-8-8	1.10
EMERSON				
A615	KC-56	250	8-8	.70
A617	GGC-137	32	8-16-5-5	1.21
GRUNOW				
A621	27151	501, 550, 5B	4-8-20-4	1.29
A622	30091-1	670, 871, 6D	8-8-8-12-12	1.88
GENERAL ELECTRIC-RCA-VICTOR				
A626	66140-4	B52, M34,	3-6-1	.44
A629	66155	K60, R37	4-4-10-4	.84
INTERNATIONAL				
A635	A407	.....	4-4	.50
A642	A427	.....	3.5-3.5-3.5	.66
MAJESTIC				
A643	4718	211 Series	8	.56
A645	6277	201-3-4	8-4-4	1.18

Stock No.	Part No.	Model	Cap. Mfd.	NET
MAJESTIC (Cont'd)				
A649	7278	291 Series	7-10	.68
A653	7988	324, 344	7	.40
A658	8755	381	4-8	.55
A665	10536	40, 49, 440	10-4-6	1.00
MOTOROLA				
A668	1388	100	8-8-25	1.18
A670	1688	75 Late	6-4-6	.82
A671	8123	44	8-12	.79
RADIO KEG				
A677	85459	.....	5-8-12	.95
UNITED MOTORS				
A683	26508B	.....	8-8-4-4	1.21
WELLS-GARDNER				
A686	80944-E	05B-A	4-12-16	1.09

For a complete listing of exact duplicate and replacement condensers, see our big 152 page catalog. It's free.

KNIGHT DRY ELECTROLYTICS in Cardboard Containers

Popular values in single and multiple sections. Adaptable to practically any repair job. In impregnated cardboard containers. Entirely wax-filled. Conservatively rated at 550 volts D.C. peak; 450 volts D.C. working. Compact and sturdy units.

No.	Mfd.	Size	NET
A3823	2	4 1/2 x 1 3/8 x 1 1/2	26c
A3824	4	4 1/2 x 1 3/8 x 1 1/2	30c
A3825	6	4 1/2 x 1 3/8 x 1 1/2	34c
A3826	8	4 1/2 x 1 3/8 x 1 1/2	38c
A3827	10	4 1/2 x 1 3/8 x 1 1/2	44c
A3828	12	4 1/2 x 1 3/8 x 1 1/2	48c
A3811	16	4 1/2 x 1 3/8 x 1 1/2	52c

No.	Mfd.	Size	NET
A3829	4-4	4 1/2 x 1 3/8 x 1 1/2	48c
A3830	4-8	4 1/2 x 1 3/8 x 1 1/2	56c
A3831	6-6	4 1/2 x 1 3/8 x 1 1/2	56c
A3832	8-8	4 1/2 x 1 3/8 x 1 1/2	60c
A3833	4-4-4	4 1/2 x 1 3/8 x 1 1/2	72c
A3834	8-8-8	4 1/2 x 1 3/8 x 1 1/2	92c

KNIGHT CONDENSERS Dry Electrolytics In Metal Containers

Dry electrolytics mounted in round aluminum insulated containers. Standard stud and nut mounting. With insulated wire leads. Peak voltage, 550 D.C.; working volts, 450 D.C.

No.	Mfd.	Size	NET
A3850	2	2 3/8 x 1 3/8	30c
A3851	4	2 3/8 x 1 3/8	36c
A3852	6	4 3/8 x 1 3/8	40c
A3853	8	4 3/8 x 1 3/8	42c
A3854	10	4 3/8 x 1 3/8	48c
A3855	12	4 3/8 x 1 3/8	56c
A3856	4-4	4 3/8 x 1 3/8	52c
A3857	6-6	4 3/8 x 1 3/8	60c
A3858	8-8	4 3/8 x 1 3/8	72c

MULTIPLE SECTIONS Popular replacements. Absolutely dry; round aluminum containers. Each section is separately wrapped and insulated. All negative terminals are grounded to can. Positive leads are brought out to soldering lugs at top. Upright mtg. Wkg. V., 450; peak V., 550.

No.	Mfd.	Length	NET
A3860	8-8	4 3/8"	\$0.70
A3861	4-4-4	4 3/8"	.86
A3862	5-15	4 3/8"	.88

3 INCH CONTAINERS

A3863	8-8-8	4 3/8"	\$1.04
A3864	8-8-8-8	4 3/8"	1.44
A3865	9-9-18	4 3/8"	1.50

3 1/2 INCH CONTAINERS

A3866	9-9-18-18	4 3/8"	\$1.94
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DRAWN ALUMINUM RECTANGULAR CONTAINERS

Multiple section dry electrolytics in seamless drawn aluminum containers. Moisture-proofed. Sections are completely insulated from container and from each other. Two terminal lugs are provided for each section. Wkg. V., 450; peak V., 550.

550 V. D.C. PEAK VOLTAGE

No.	Mfd.	Size	NET
A3873	4-4	4 3/8 x 1 3/8 x 1 1/2	\$0.58
A3874	4-6	4 3/8 x 1 3/8 x 1 1/2	.66
A3875	4-8	4 3/8 x 1 3/8 x 1 1/2	.68
A3876	6-6	4 3/8 x 1 3/8 x 1 1/2	.70
A3877	6-8	4 3/8 x 1 3/8 x 1 1/2	.70
A3878	8-8	4 3/8 x 1 3/8 x 1 1/2	.72
A3879	4-4-4	4 3/8 x 1 3/8 x 1 1/2	.85
A3880	6-6-6	4 3/8 x 1 3/8 x 1 1/2	1.00
A3881	8-8-8	4 3/8 x 1 3/8 x 1 1/2	1.08

KNIGHT ALUMINUM COATED CARDBOARD CONTAINERS

Popular replacements for A.C.-D.C. or midgeat A.C. receivers. Containers are of aluminum-coated cardboard. Spade lugs are provided for mounting. All leads emerge from bottom. Containers are 1/4 inches high.

No.	Mfd.	Volts	Dia.	NET
A2738	8-16	500	1 1/4"	90c
A2739	4-8	500	1 1/2"	54c
A2740	8-8	500	1 1/4"	60c
A2741	16	500	1 1/2"	54c

No.	Mfd.	Volts	Dia.	NET
A2742	8-8-8	200	1 1/2"	70c
A2743	8-14	200	1 1/2"	90c
A2744	12-16	200	1 1/2"	90c

KNIGHT Bathtub Condensers



Non-inductive compact condensers for all by-pass requirements. Permanently sealed and moisture-proof. Paper dielectric construction in metal case. Style A Size: 1 1/2" x 1 1/8" x 3/8" inches.

No.	Mfd.	Volts	NET
A7773	.5	200	1c
A7774	.25	200	20c
A7775	.5	200	24c
A7777	.1	300	20c
A7778	.25	300	24c
A7779	.5	300	32c
A7781	.05	400	17c
A7782	.1	400	21c
A7783	.25	400	21c
A7784	.1-1	400	27c

STYLE B

Compact; thoroughly impregnated. Has lug connections. Metal case measures 1 1/8" x 2 3/8" x 3/8" inches.

No.	Mfd.	Volts	NET
A7786	1.0	200	31c
A7787	2.0	200	49c
A7789	1.0	300	31c
A7791	1.0	400	32c
A7792	.25	400	26c
A7793	.5	400	33c

KNIGHT CARTRIDGE CONDENSERS

Dependable tubular paper condensers. Compact in size. Encased in double-impregnated moisture-proof cardboard containers with self-supporting 2 1/2-inch finned wire leads. Non-inductively wound.



Unaffected by temperature or humidity. These are ruggedly built, high quality, inexpensive units, exceptionally fine for replacement use. Dual units have common connection to strap lug.

400 VOLTS				600 VOLTS			
No.	Mfd.	EACH	NET	No.	Mfd.	EACH	NET
A7915	.001			A7931	.001		
A7916	.002			A7932	.002		
A7917	.003			A7933	.003		
A7918	.004			A7934	.004		
A7919	.005			A7935	.005		
A7920	.006			A7936	.006		
A7921	.01			A7937	.01		
A7922	.02			A7938	.02		
A7923	.03			A7939	.03		
A7924	.04			A7940	.04		
A7925	.05			A7941	.05		
A7926	.06			A7942	.06		
A7927	.1		8c	A7943	.1		10c
A7928	.25		10c	A7944	.25		15c
A7929	.5		15c	A7945	.5		19c
A7930	1.0		30c				

200 VOLTS				DUAL UNITS			
No.	Mfd.	NET		No.	Mfd.	Volts	NET
A7910	.1			A7946	.1-1	200	14c
A7911	.25		7c	A7947	.25-25	200	16c
A7912	.5			A7948	.1-1	400	14c
A7913	.25		13c	A7949	.1-1	600	24c
A7914	1.0		26c				

KNIGHT Waxed Uncased Repair Sections

Wax-dipped; designed for replacement use in filter block repair work. Compact; high dielectric resistance. 6" color coded leads are of heat-proof push-back wire.



Mfd.	200 VOLTS NO.	NET	400 VOLTS NO.	NET
.25	A7741	10c	A7746	17c
.5	A7742	12c	A7747	19c
1.0	A7743	18c	A7748	29c
2.0	A7744	29c	A7749	54c

Mfd.	600 VOLTS	NET	1000 VOLTS	NET
.25	A7750	26c	A7754	38c
.5	A7751	38c	A7755	45c
1.0	A7752	26c	A7756	75c

SPARTON TUBULAR REPLACEMENT

Exact duplicate 400 volt units for Sparton sets. Slotted mounting lug. Metal case.

No.	Mfd.	NET
A7769	.25	26c
A7770	.5	29c
A7771	1.0	31c

AEROVOX CONDENSERS

AEROVOX CARTRIDGE CONDENSERS

Compact, non-inductive paper condensers sealed in insulating tubes with wire leads. High grade units, conservatively rated. Dual section units have a common lug which may be used for mounting.

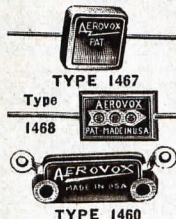


400 VOLT NET EACH		Cap.	600 VOLT NET EACH	
No.	Mfd.	No.	NET EACH	
A1550	.001	A1568		
A1551	.002	A1569		
A1552	.003	A1570		
A1553	.004	A1571	9c	
A1554	.005	A1572		
A1555	.006	A1573		
A1556	.01	A1574		
A1557	.015	A1575	10c	
A1558	.02	A1576	10c	
A1559	.03	A1577	10c	
A1560	.05	A1578	12c	
A1561	.1	A1579	15c	
A1562	.15	A1580	20c	
A1563	.2	A1581	25c	
A1564	.25	A1582	30c	
A1565	.25-.25	A1583	50c	

1000 VOLT TUBULAR UNITS

No.	Mfd.	List	NET
A1586	.006	20c	12c
A1587	.01	20c	12c
A1588	.015	20c	14c
A1589	.02	24c	16c
A1590	.03	27c	21c
A1591	.05	35c	24c
A1592	.1	40c	

AEROVOX BAKELITE MICA CONDENSERS



A compact "post-age stamp type" condenser. May be used in any radio by-pass circuit. Made of selected Ruby mica and especially adapted to high-frequency circuits in all-wave receivers. Sealed in a molded bakelite case; thoroughly impregnated; moisture proof. Absolutely impervious to temperature changes.

Cap. Mfd.	No. Type 1467	No. Type 1468	No. Type 1460	NET EACH
.00004	A1391	A1488	A1404	9c
.00005	A1392	A1489	A1405	
.000075	A1393	A1490	A1406	
.0001	A1394	A1491	A1407	
.00015	A1395	A1492	A1408	12c
.0002	A1396	A1493	A1409	
.00025	A1397	A1494	A1410	
.00037	A1398	A1495	A1411	
.0005	A1399	A1496	A1412	
.001	A1400		A1413	15c
.0015	A1401		A1414	18c
.002	A1402		A1415	18c
.0025			A1416	21c
.003			A1417	21c

Type 1450 Condensers

Accurate mica-tin foil bakelite cases. Handy soldering lugs. Working voltage up to 500 volts D.C. Tested at 1000 volts. Thoroughly sealed against changes in humidity. Capacity of units is clearly marked on case.



No.	Mfd.	No.	Mfd.	NET EACH
A1420	.0005	A1425	.0002	15c
A1421	.0007	A1426	.0025	
A1422	.00075	A1427	.0037	
A1423	.001	A1428	.0005	
No.	Mfd.	List	NET	
A1429	.001	30c	18c	
A1430	.0015	30c	18c	
A1431	.002	35c	21c	
A1432	.0025	35c	21c	
A1433	.003	40c	24c	
A1434	.004	45c	26c	
A1435	.005	45c	26c	
A1436	.006	55c	32c	
A1437	.008	55c	32c	
A1438	.01	70c	35c	
A1439	.015	85c	40c	
A1440	.02	95c	56c	

AEROVOX ELECTROLYTIC CONDENSERS ROUND METAL CAN DRY ELECTROLYTICS COMPACT CARDBOARD DRY ELECTROLYTICS

Adapted to all radio filter circuits. Absolutely dependable, hermetically sealed. Type E5 is 525 Volt Surge, 450 Volt DC working; E6 is 600 Volt Surge, 475 Volt working. Provided with clamping rings for easy mounting. Conservative voltage ratings assure you of long trouble-free life. Will handle filter requirements of practically all radio receivers.



Type E-5 Upright 525 VOLT D. C. MAX. SURGE

Stock No.	Cap. Mfd.	Size Dia.	Ht.	NET EACH
A1302	4	1 3/8 x 2 3/4	2 3/4	\$0.50
A1304	8	1 3/8 x 4 1/4	4 1/4	.61
A1305	12	1 3/8 x 4 3/4	4 3/4	.82
A1306	5-15	2 1/2 x 4 3/4	4 3/4	1.06
A1308	8-8	2 3/8 x 4 3/4	4 3/4	1.38
A1309	8-8-8	3 x 4 3/4	4 3/4	1.59
A1310	8-8-8-8	3 x 4 3/4	4 3/4	2.20
				2.12

Type E-6 Upright 600 VOLT D. C. MAX. SURGE

Stock No.	Cap. Mfd.	Size Dia.	Ht.	NET EACH
A1311	4	1 3/8 x 2 3/4	2 3/4	\$0.73
A1313	8	1 3/8 x 4 1/4	4 1/4	.88
A1315	5-15	2 1/2 x 4 3/4	4 3/4	1.97
A1316	8-8-8	2 3/8 x 4 3/4	4 3/4	1.92
				2.35

Type G Inverted

Standard size, single section inverted mounting condensers, with negative lead grounded to can. 525 V. D.C. surge and 600 V. D.C. surge listed below. Can dia. 1 3/8".

No.	Mfd.	Volts	NET
A1317	4	525	50c
A1319	8	525	61c
A1345	12	525	82c
A1320	4	600	73c
A1322	8	600	88c

Type 2G Inverted

Double section inverted mounting condensers. Negatives grounded to can. 525 volts surge. 450 volts D.C. working.

No.	Mfd.	Size Dia.	Ht.	NET
A1330	4-4	1 3/8 x 3 3/4	3 3/4	76c
A1331	8-8	1 3/8 x 5 1/4	5 1/4	94c

Type I-Inverted

Similar to type G above, but with negative terminal insulated from can. Maximum permissible surge voltage is indicated below. Diameter of aluminum can, 1 3/8 inches.

No.	Mfd.	Volts	NET
A1324	4	525	\$0.50
A1326	8	525	.61
A1346	12	525	.82
A1347	16	525	.91
A1327	4	600	.73
A1329	8	600	.88

Ultra-Compact Type GL5 Inverted

An ultra-compact metal can electrolytic for general replacement purposes or for use where space is at a premium. Sections are insulated from can. Equipped with long flexible leads. Has threaded hard-rubber stem for inverted mounting. Particularly adapted to replacement work.

No.	Mfd.	Size	NET
A1228	4	1x2 3/4"	50c
A1229	8	1x2 1/4"	61c
A1230	12	1x3 3/8"	82c
A1231	16	1x4 3/8"	91c
250 VOLT MAX. SURGE			
No.	Mfd.	Size	NET
A1232	4	1x2 3/8"	54c
A1234	8	1x2 1/4"	65c
A1235	12	1x2 1/4"	65c
	16	1x3 3/8"	79c

Extremely small electrolytic units. May be used wherever mounting space is limited, either for replacements or for original installations. Non-leaking; non-corrosive; absolutely dry. Wax impregnation assures dependable long life even through wide range of atmospheric conditions. Flexible leads are provided for varying circuit requirements.

Type PBS-5 525 VOLT D. C. MAX. SURGE

No.	Mfd.	Size	NET
A1236	2	1/2 x 3/4 x 2 1/4"	\$0.38
A1237	4	1/2 x 1 1/2 x 2 1/4"	.44
A1238	8	1 1/4 x 1 1/2 x 2 1/4"	.56
A1239	12	1 1/4 x 1 1/2 x 2 3/4"	.76
A1240	4-4	1 1/4 x 1 1/2 x 2 1/4"	.78
A1241	8-8	1 1/4 x 1 1/2 x 2 1/4"	.80
A1242	8-8-8	1 1/4 x 1 1/2 x 3	1.29

Type PBS-2 250 VOLT D. C. MAX. SURGE

No.	Mfd.	Size	NET
A1243	4	1/2 x 3/4 x 2 1/4"	\$0.38
A1244	8	1/2 x 1 1/2 x 2 1/4"	.47
A1245	12	1 1/4 x 1 1/2 x 2 1/4"	.56
A1246	16	1 1/4 x 1 1/2 x 2 1/4"	.62
A1247	8-8	1 1/4 x 1 1/2 x 2 1/4"	.73
A1248	8-16	1 1/4 x 1 1/2 x 2 1/4"	.85
A1249	8-8-8	1 1/4 x 1 1/2 x 2 1/4"	1.12

Type "P" Electrolytics. Sturdy, wax-filled units; compact, and conservatively rated. Flexible leads are securely anchored. Unaffected by moisture.

525 VOLT MAX. SURGE

No.	Mfd.	Size	NET
A1380	2	3/4 x 1 3/8 x 2 3/4"	\$0.38
A1381	4	3/4 x 1 3/8 x 4 1/4"	.44
A1383	8	1 1/4 x 1 3/8 x 4 1/4"	.56
A1359	12	1 1/4 x 1 3/8 x 4 1/4"	.76
A1358	16	1 1/4 x 1 3/8 x 4 1/4"	.85
A1384	4-4	1 1/4 x 1 3/8 x 4 1/4"	.78
A1385	8-8	1 1/4 x 1 3/8 x 4 1/4"	.88
A1380	8-16	1 1/4 x 2 x 4 1/4"	1.12

600 VOLT MAX. SURGE

No.	Mfd.	Size	NET
A1386	2	3/4 x 1 3/8 x 2 3/4"	\$0.58
A1387	4	3/4 x 1 3/8 x 4 1/4"	.68
A1389	8	1 1/4 x 1 3/8 x 4 1/4"	.79

Tubular Electrolytics

Light and compact; will serve for many by-pass and filter requirements. In cardboard tube containers; completely sealed. Wire leads are securely riveted to condenser tabs. Excellent for replacement use, or to fit small mounting space in original construction work.



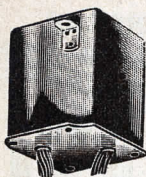
No.	Mfd.	Volts	Size	NET
A1281	2	450	3/4 x 2 1/4"	38c
A1282	4	450	3/4 x 2 1/4"	44c
A1283	8	450	1 1/4 x 2 3/4"	56c
A1284	8	200	3/4 x 2 1/4"	38c
A1285	4	200	3/4 x 2 1/4"	47c
A1286	25	100	1 1/4 x 2 3/4"	56c
A1287	5	50	3/4 x 2 1/4"	29c
A1288	10	50	3/4 x 2 1/4"	38c
A1289	25	50	3/4 x 2 1/4"	47c
A1290	50	50	1 1/4 x 2 3/4"	71c
A1291	5	25	3/4 x 2 1/4"	29c
A1292	10	25	3/4 x 2 1/4"	29c
A1293	25	25	3/4 x 2 1/4"	38c
A1294	50	25	1 1/4 x 2 3/4"	56c

Metal Can Wet Electrolytics

Popular, compact electrolytics with standard stud and nut inverted mounting. Positively non-leaking. Self-healing for unusually long-life, even with excessive voltage surges. 500 Volts DC peak. 450 Volts DC working.

Stock No.	Cap. Mfd.	Size Dia.	Ht.	NET EACH
A1295	4	1 3/8 x 4 3/4"	4 3/4	\$0.47
A1296	6	1 3/8 x 4 3/4"	4 3/4	.50
A1297	8	1 3/8 x 4 3/4"	4 3/4	.56
A1298	12	1 3/8 x 4 3/4"	4 3/4	.68
A1299	16	1 3/8 x 4 3/4"	4 3/4	.79

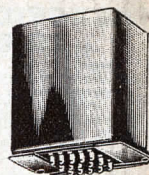
STANCOR POWER TRANSFORMERS



NEW REDUCED LOW PRICES

Precision-built transformers which conform exactly in every respect to original manufacturers' specifications of physical and electrical characteristics. Current ratings are conservative and assure correct operation. Easily and quickly installed. No refitting or redrilling is necessary. Through close contact with Stancor, we can supply Exact Duplicate Power Transformers for practically any set. Many of these exact duplicate transformers may also be used in old model sets for which no replacements have been available.

Send for your FREE copy of the Stancor Exact Duplicate Power Transformer listings. Refer to it often and it will save you time, money and trouble. You will find it extremely valuable in your service work. Will enable you to quickly and accurately choose the correct transformer for all replacements. Contains a very complete listing of exact duplicate power transformers for hundreds of standard radio sets—duplicates which fit perfectly in every detail.



Models	No.	NET
ALL-AMERICAN MOHAWK		
D, H	A11500	\$4.06
J, D	A11501	2.79
ATWATER KENT		
55, 55C (late)	A11503	3.76
L1, L2, H1, H2, P,		
70 series	A11507	3.41
82, 85	A11509	3.41
84	A11510	3.41
BRUNSWICK		
10	A11513	2.62
RR Series	A11515	3.18
3NC8, 5NC8	A11516	3.20
CLARION		
AC40	A11513	2.62
AC60	A11518	3.65
AC80, 81, 84, 85,		
120	A11520	2.50
AC260	A11524	3.18
AC280	A11525	3.59
AC300	A11526	3.65
AC320	A11527	2.15
AC480	A11531	3.82
CROSLLEY		
40-S, 41-S, 42-S,		
45-S, 82-S	A11536	3.18
41, 41A, 42, 704B,		
706, Showbox	A11537	3.18
KNIGHT		
AC5	A11532	2.59
SG8	A11534	5.14
SG9	A11535	4.50
Superhet 7	A11542	2.68
Superhet 9	A11543	6.47
MAJESTIC		
21, 22, 23 (un-		
mounted)	A11550	2.82

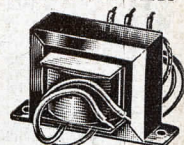
Models	No.	NET
MAJESTIC (Cont'd)		
51, 52 (un-		
mounted)	A11551	\$3.20
70 chassis (Plate)	A11552	2.88
90B & 100B chassis	A11555	2.73
90 & 100 chassis	A11556	4.06
130, 131, 132, 233	A11557	4.26
151, 153, 154, 155,		
158 (unmounted)	A11558	2.09
PHILCO		
20, 220	A11567	3.41
50, 51, 551, 52	A11568	2.47
65	A11569	3.20
70, 270, 370, 470,		
570	A11570	3.12
76, 77	A11571	3.56
RCA-RADIOLA-VICTOR		
AP736, AZ774B, 10,		
51, 10-69, 10-70,		
12-15	A11583	5.53
R64, R67, 9-18X,		
9-54, AP-777C	A11585	10.58
R32, R52, E35,		
E135, E152, RE45,		
RE75, RE154,		
RE156	A11586	4.00
R7, R9	A11589	2.85
R8, R10, R12, RE19,	A11591	2.94
R11, R21, RAE26,		
RE18, RE18A,	A11592	3.29
R14, R15, R42, R48,		
RE17	A11593	3.88
R17, R18AC, R33AC,		
R51AC, R50, 7-		
11, 7-25, 7-26X	A11515	3.18
R60, R62	A11516	3.20
R66	A11595	3.82
R80, R82, R86	A11596	3.47

Models	No.	NET
SPARTON		
9A, 410, 420, 600A,		
610A, 620A	A11601	\$3.76
35, 101, 110, 111,		
111A, 870	A11602	4.44
89A	A11603	3.18
591, 593, 931	A11607	3.79
U. S. RADIO & TEL.		
8 (series)	A11610	3.18
26 series Gloritone	A11616	2.29
26P series Gloritone	A11617	2.29
32	A11618	2.97

STANCOR TUBE CHECKER TRANSFORMER

For replacement in standard tube testers or for use in modernizing older units. Size, 2 1/2" x 3 1/2" x 1 1/2". Primary tapped to 0, 105, 115, 125 volts, 60 cycles. Secondary is tapped at 1.1, 1.5, 2.0, 2.5, 3.0, 3.3, 5.0, 6.3, 7.5, 14, 25 and 30 volts. Supplies the correct filament voltage for all types of tubes. Strap mounting type with long flexible leads. Wt., 3 lbs. **\$1.88**

YOUR PRICE.....



GENERAL PURPOSE CHOKES

A reliable listing of high quality choke units which may be used for either filter or plate coupling use. Accurately rated and generously insulated. Strap mounting type.

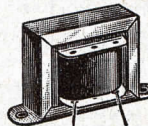
A11257. 30 HENRY at 50 MA. D.C. resistance, 550 ohms. 1 1/2 x 3 1/2" mtg. area. Wt., 2 lbs. List, \$1.25. NET **73c**

A11258. 30 HENRY at 75 MA. D.C. resistance, 400 ohms. 1 1/2 x 3 1/2" mtg. area. Wt., 2 lbs. List, \$1.55. NET **91c**

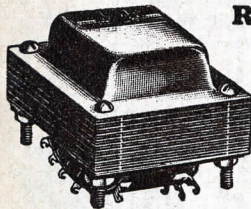
A11259. 30 HENRY at 110 MA. D.C. resistance, 200 ohms. 2 x 4 1/2" mtg. area. Wt., 3 lbs. List, \$1.85. NET **\$1.09**

YOUR PRICE.....

A11260. 50 HENRY at 15 MA. D.C. resistance, 750 ohms. 1 1/2 x 2 1/2" mtg. area. Wt., 1 1/2 lbs. List, \$1.00. NET **59c**



NEW STANCOR HALF-SHELL REPLACEMENT TRANSFORMERS



A new group of high-grade compact power transformers, designed to meet all requirements for superior flush-mounting replacements. Ideal for replacement purposes in midgeet and mantle type receivers; also useful in amplifier and receiver construction. These transformers are constructed of the best quality materials; superior design and neat, workmanlike appearance make them unusual values. Uniformly wound coils and generous insulation assure long, trouble-free performance. Ample safety factor allows momentary high peak-current drains without seriously taxing transformer. Available in eight popular sizes, for use with 2.5 or 6.3 volt tubes. For 110 Volt 60 cycle A.C. operation.

4 OR 5 TUBES—2.5 VOLTS

Type P2770. For 2 or 3—57, 58, 56; 1—47, 2A5; 1—80.

Sec.: 650 V. at 40 M.A.—C.T.

5 V. at 2 A.; 2.5 V. at 4.5 A.—C.T.

Mtg. area 2 1/2" x 3"

A11235. List, \$2.25. NET **\$132**

5 TO 6 TUBES—2.5 VOLTS

Type P2869. For 3—24, 27 or 5—56, 57, 58; 1—47, 2A5; 1—80, 5Z3.

Sec.: 700 V. at 50 M.A.—C.T.

5 V. at 2 A.; 2.5 V. at 1.75 A.—C.T.

2.5 V. at 5.25 A.

Mtg. area 2 1/8" x 3 3/4"

A11236. List, \$3.15. NET **\$185**

6 TO 7 TUBES—2.5 VOLTS

Type P2859. For 3—24, 35, 27 or 7—56, 57, 58; 2—45, 47, 2A5; 1—80, 5Z3.

Sec.: 700 V. at 70 M.A.—C.T.

5 V. at 3 A.; 2.5 V. at 3.5 A.—C.T.

2.5 V. at 7.5 A.

Mtg. area 3 3/8" x 3 3/4"

A11237. List, \$3.45. NET **\$203**

8 TO 9 TUBES—2.5 VOLTS

Type P2860. For 5—24, 27, 35 or 9—56, 57, 58; 2—45, 47, 2A5; 1—80, 5Z3.

Sec.: 700 V. at 90 M.A.—C.T.

5 V. at 3 A.; 2.5 V. at 3.5 A.—C.T.

2.5 V. at 9 A.

Mtg. area 3 7/8" x 4 1/4"

A11238. List, \$4.00. NET **\$235**

4 TUBES—6.3 VOLTS

Type P2751. For 2—37, 76, 77, 78, 6C6, 6D6, 6J7, 6K7; 1—41, 42, 6F6; 1—80, 5Z4.

Sec.: 650 V. at 40 M.A.—C.T.

5 V. at 2 A.; 6.3 V. at 1.6 A.—C.T.

Mtg. area 2 1/2" x 3"

A11239. List, \$1.95. NET **\$115**

4 OR 5 TUBES—6.3 VOLTS

Type P2771. For 2 or 3—77, 78, 6C6, 6D6, 6J7, 6K7; 1—41, 42, 6F6; 1—80, 5Z4.

Sec.: 650 V. at 40 M.A.—C.T.

5 V. at 2 A.; 6.3 V. at 2 A.—C.T.

Mtg. area 2 1/2" x 3"

A11241. List, \$2.25. NET **\$132**

5 OR 6 TUBES—6.3 VOLTS

Type P948. For 3 or 4—77, 6C6, 6D6, 6A8, 6J7, 6K7, 6C5; 1—41, 42, 6F6; 1—80, 5Z3, 5Z4.

Sec.: 675 V. at 70 M.A.—C.T.

5 V. at 3 A.; 6.3 V. at 2.5 A.—C.T.

Mtg. area 3 3/8" x 3 3/4"

A11242. List, \$3.60. NET **\$212**

7 TO 10 TUBES—6.3 VOLTS

Type P949. For 4 to 7—6C6, 6D6, 6J7, 6K7, 6C5; 2—41, 42, 6F6; 1—80, 5Z3, 5Z4.

Sec.: 700 V. at 120 M.A.—C.T.

5 V. at 3 A.; 6.3 V. at 3 A.—C.T.

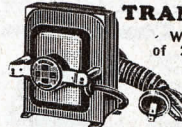
Mtg. area 3 7/8" x 4 1/4"

A11243. List, \$3.90. NET **\$229**

ACME STEP-DOWN TRANSFORMER

Will reduce line voltages of 220-240 volts, 50/60 cycle to 110-120 volts for operation of radio sets, amplifiers and appliances. Will safely handle devices consuming up to 200 watts. Supplied with 8 foot cord, plug, and receptacle. Wt., 8 lbs.

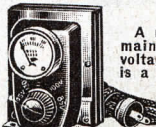
A11265. List, \$10.00. NET **\$3.95**



ACME VARIABLE VOLTAGE ADJUSTER

A unique, efficient device for maintaining proper operating voltages where line fluctuation is a source of annoyance. Adjustment allows step-up or step-down action. Primary voltage range, 85 - 100 - 115 - 130 - 145 volts; secondary output, 115 volts, 50-60 cycles. 3 3/4" x 1 1/2" x 3 3/8"; with voltmeter and 8 ft. cord and plug.

A11266. NET **\$7.06**



THORDARSON TRANSFORMERS Knight

THORDARSON COUPLING TRANSFORMERS FOR EVERY PURPOSE

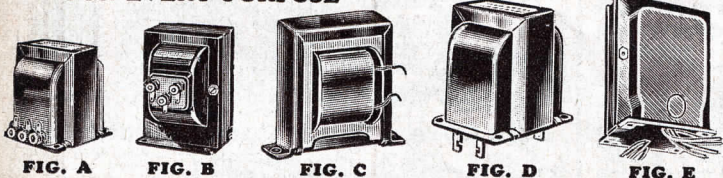


FIG. A FIG. B FIG. C FIG. D FIG. E
The latest Thordarson high quality transformers, designed for practically every input, output, mixer or line purpose. A transformer for almost any need will be found in the listing below. All units have been carefully designed, and are precision-built.

TUBE TO LINE (LOW LEVEL)

Cat. No.	Type	Fig.	Primary	Secondary	List	NET
A11041	T5515	D	56, 37, 27, 864, 30, etc....	200 or 50 Ohms....	\$2.75	\$1.62
A11042	T6226	D	56, 37, 27, 864, 30, etc....	500 or 125 Ohms....	2.75	1.62

MIXER OR LINE TO TUBE

Cat. No.	Type	Fig.	Primary	Secondary	List	NET
A11045	T5516	D	200 or 50 Ohms.....	Single or PP Grids.....	\$2.75	\$1.62
A11047	T6371	D	200, 400, 600 or 800 Ohms	Single Grid.....	4.00	2.35

MICROPHONE COUPLING TRANSFORMERS

Cat. No.	Type	Fig.	Primary	Secondary	List	NET
A11055	T6573	D	D.B. Mike 200-0-200 Ohms....	Single Grid.....	\$3.25	\$1.90
A11056	T5837	D	D.B. Mike 200-0-200 Ohms....	Single Grid.....	2.25	1.32
A11058	T2357	A	Single Button Microphone 200 Ohms.....	Single Grid.....	2.25	1.32

OUTPUT COUPLING TRANSFORMERS

Cat. No.	Type	Fig.	Primary	Secondary	List	NET
A11060	T6125	C	Universal, 2A3, 2A5, 45, 47, 50, etc.....	500 Ohms.....	\$3.50	\$2.05
A11061	T6126	C	Universal, PP2A3, 2A5, 45, 47, 50, etc.....	500 Ohms.....	3.50	2.05
A11062	T5701	C	Universal, Single or PP output tubes.....	.1 to 29 Ohms.....	2.00	1.18
A11063	T6754	D	PP2A3 or 45 Class "AB".....	4, 8, 15 or 500 Ohms	4.00	2.35
A11071	T6594	D	PP50 Class "A," 2A5 or 42 Class "AB," or 2-79 Class "B".....	4, 8, 15 or 500 Ohms	4.00	2.35
A11074	T6760	D	1-19 or PP30, 49 Class "B".....	4, 8 or 2000 Ohms...	3.75	2.20

LINE TO SPEAKER

Cat. No.	Type	Fig.	Primary	Secondary	List	NET
A11075	T6048	C	500 Ohms.....	Universal Voice Coils.....	\$3.00	\$1.76
A11076	T5381	B	500 or 250 Ohms.....	4, 8 or 15 Ohms....	4.50	2.65

THORDARSON TRANSFORMERS

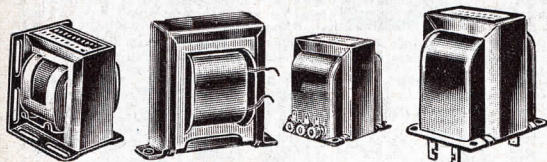


FIG. A FIG. B FIG. C FIG. D
Dependable audio units assuring good reproduction at attractive low prices. Universally adaptable for service replacement work.

AUDIO COUPLING TRANSFORMERS

Cat. No.	Type	Fig.	Ratio	Size	List	NET
A11121	R100	A	1-3	2 3/4 x 1 3/8 x 2"	\$1.75	\$1.03
A11122	T2999	B	1-3	1 x 2 x 2 3/8"	2.00	1.03
A11123	T5736	D	1-3	2 x 2 x 2 3/8"	2.00	1.03
A11124	T5737	B	1-3	2 1/4 x 2 1/4 x 3"	3.00	1.75
A11125	T5738	D	1-3	2 1/2 x 2 1/2 x 3"	3.25	1.90
A11126	R300	C	1-3	2 1/2 x 2 1/2 x 3"	3.50	2.06
A11127	T7574	D	1-2	2 3/8 x 2 x 2 1/2"	2.50	1.47

PUSH-PULL INPUTS

Cat. No.	Type	Fig.	Ratio	Size	List	NET
A11128	R101	A	1-3	1 7/8 x 2 x 2 3/8"	\$2.25	\$1.32
A11129	T3391	B	1-3	1 7/8 x 2 x 2 3/8"	2.00	1.32
A11130	T5739	D	1-3	2 x 2 x 2 3/8"	2.25	1.32
A11131	T5740	B	1-3	2 1/4 x 2 1/4 x 3"	3.25	1.90
A11132	T5741	D	1-3	2 1/2 x 2 1/2 x 3"	3.50	2.05
A11133	T5742	B	1-3	2 1/2 x 2 1/2 x 3"	3.25	1.90
A11134	T5743	D	1-3	2 1/2 x 2 1/2 x 3"	3.50	2.05
A11135	T4304	C	1-3	2 1/2 x 2 1/2 x 3"	3.75	2.20

*Specially designed primary for power detector.

OUTPUT TRANSFORMER

FOR .1 TO 29 OHM VOICE COILS

Cat. No.	Type	Fig.	Primary	Size	List	NET
A11062	T5701	B	Universal for single or P.P. tubes.	2 3/4 x 2 x 2"	\$2.00	\$1.18

FILTER CHOKES

Cat. No.	Type	Fig.	Henries	MA	Ohms	Size	List	NET
A11116	T1892	B	22	35	405	2 3/4 x 2 3/8 x 2 1/2"	\$1.75	\$1.03
A11149	T4707	B	12	75	290	2 3/8 x 2 1/2 x 2"	1.75	1.03
A11150	T6807	B	15	85	375	3 x 2 1/2 x 2"	2.00	1.18
A11151	T5753	B	9.5	110	200	3 x 2 1/2 x 2"	2.00	1.18
A11152	T5754	D	9.5	110	200	3 x 2 1/2 x 2 1/2"	2.25	1.32
A11153	T1008	D	12	130	231	3 1/2 x 2 3/8 x 3"	3.25	2.05
A11154	T1700	C	12	130	231	3 3/4 x 2 3/8 x 3"	3.50	2.05

For further listings of transformers, see our complete 152 page catalog—Radio's Most Complete Supply Guide. This book is free. Send for it.

Knight Transformers UNIVERSAL AUDIO

A compact audio unit for use in any AC or DC set or amplifier. Supplied with universal mounting bracket. Size: 2 x 2 1/4 x 2 3/8". Wt., 2 lbs. A11644. NET **75c**

UNIVERSAL OUTPUT

A11645. Couples practically any power tubes, single or push-pull, to any dynamic or magnetic speaker. With universal mounting bracket. Size: 2 1/2 x 2 1/4 x 2 1/4". Shpg. wt., 2 lbs. NET **75c**

UNIVERSAL P. P. INPUT

A11646. May be used to couple any single plate, or any combination of single or push-pull tubes. Universal mounting bracket. Size: 2 1/2 x 2 1/4 x 2 1/4". Shpg. wt., 2 lbs. NET **78c**

STANDARD AUDIOS

Ideal replacements. Open type units. Size: 3 1/4 x 1 1/2 x 1 1/2". Mfg. ctrs., 2 3/4". Shpg. wt., 2 lbs.
A11647. 3-1. Straight Audio. 1 plate to 1 grid
A11648. 3-1. Push Pull input. 1 plate to 2 grids.
A11649. 3-1. Push-Pull in-erstage. 2 plates to 3 grids.
NET EACH **75c**

Universal Output Transformer

A heavy-duty, unshielded output transformer for universal application. Will accurately match any single or push-pull output stage to any speaker voice coil. Size: 2 3/4 x 1 1/2". A11005. NET **95c**

KNIGHT AC-DC CHOKES

May be used in any 4 or 5 tube midset set. 6" insulated leads. 1 1/2" high, 2 1/4" long, 1 1/2" deep. Mfg. centers, 2 5/16".

Cat. No.	Ohms	NET	Cat. No.	Ohms	NET
A11635	200	\$.38	A11639	400	\$.38
A11636	250	.41	A11640	450	.47
A11637	300	.43	A11641	500	.57
A11638	350	.37	A11642	550	.38

Transformers for New 6L6 Tubes

Thordarson quality units. Figures refer to illustrations at left above.
A11100. T8460. Power Transformer. Fig. E. Specially designed to supply plate and bias voltages for 6L6 tubes. Primary 115 volts, 50-60 cycles. Secondary delivers 400 volts D.C. at 250 mA. out of filter; has 30 volt bias tap. Measures 5 x 3 3/4 x 4 1/2". Shpg. wt., 1 lb. NET **\$5.29**
A11073. T8458. Output Transformer. Fig. E. For coupling push-pull Class AB 6L6's to 4, 8 or 15 ohm voice coil or 500 ohm line. Size: 3 3/4 x 3 3/4". Shpg. wt., 8 lbs. NET **\$3.53**
A11086. T8459. Driver Transformer. Fig. D. For coupling PP 6C5's, 76's, etc. to PP 6L6's Class AB. Size: 5 1/2 x 2 1/2". Wt., 3 lbs. NET **\$2.20**
A11103. T8470. Modulation Transformer. Fig. B. For coupling PP 6L6's Class AB to 2500 ohm modulation load at 250 M.A., 5000 ohms at 200 M.A. or 7500 ohm at 100 M.A. Size: 6 1/2 x 4 1/2 x 3 1/2". 15 lbs. NET **\$5.88**
A11104. T7984. Filament Transformer. Fig. E. Primary winding 115 V. 60 cycle A.C. secondaries: 6.3 V. C.T., 3 Amp.; 5 V., 3 Amp.; and 2 1/2 V. C.T., 3 1/2 Amp. Size: 3 3/4 x 3 3/4". Wt., 6 lbs. NET **\$2.79**

OUTPUT TRANSFORMERS

Well-designed and substantially built. For operation directly from plates of power tubes into 6 to 10 ohm voice coils of dynamic speakers. Listing below covers both single and push-pull power tubes.

SINGLE

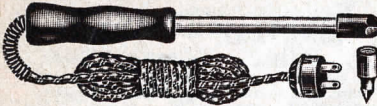
A11663. A2203. 43, 45, 48, 59, 71A tubes. Size 2 x 1 1/2 x 2 3/8". Mfg. centers 2". 1 lb. List, \$1.10. NET **65c**
A11664. A2200. 43, 45, 48, 59, 71A tubes. Size 2 x 1 1/2 x 3 3/8". Mfg. centers 2 1/8". List, \$1.40. NET **82c**
A11665. A2227. 31, 41, 10, 12 tubes. Size as above. List, \$1.40. NET **82c**
A11666. A2315. 33, 42, 47, 49, 2A5 tubes. Size as above. List, \$1.40. NET **82c**

PUSH-PULL

A11667. A2220. PP43, 45, 48, 59, 71A tubes. Size 2 x 1 1/2 x 2 3/8". Mfg. centers 2". 1 lb. List, \$1.20. NET **71c**
A11668. A2201. PP43, 45, 48, 59, 71A tubes. Size 2 x 1 1/2 x 3 3/8". Mfg. centers 2 1/8". List, \$1.50. NET **88c**
A11669. A2231. PP41, 41, 10, 12 tubes. Size as above. List, \$1.50. NET **88c**
A11670. A2312. PP33, 42, 47, 49, 2A5 tubes. Size as above. List, \$1.50. NET **88c**

SOLDERING IRONS • TOOLS

KNIGHT SOLDERING IRON



COMPLETE WITH TWO SCREW-ON TIPS

55 WATT MODEL

A well-designed high quality KNIGHT 55 watt iron suitable for every service use. Has a dependable, quick-heating wire-wound element in a ceramic tube. Heats up quickly and stays hot. Two types of tips are supplied with the iron to handle all work from fine soldering to the tinning of chassis bases. Tips are $\frac{3}{16}$ and $\frac{1}{8}$ inch in diameter, $1\frac{1}{2}$ inches long. The well-shaped handle remains cool even when iron is continuously used. Equipped with 5 ft. heater cord and rubber plug. Two tips included. This KNIGHT iron is an outstanding value at our price.

A2005. YOUR SPECIAL PRICE.....

65¢

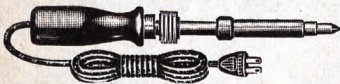
100 WATT KNIGHT SOLDERING IRON

A high quality all-purpose iron. Has $\frac{7}{8}$ inch diameter removable (screw-on) copper tip. With black insulated handle and 6 foot heater cord.

A7635. YOUR SPECIAL PRICE.....

97¢

VASCO SOLDERING IRON



A new easy-to-handle iron in two popular sizes. Excellent for all radio work. Metal parts are chromium-plated. Special shielding fins separate the handle cool at rate the heating element from the handle to keep the handle cool at all times. Has removable $\frac{5}{16}$ inch tip. Equipped with cord and plug. Underwriters' Approved. Shpg. wt., 1 lb.

A2200. 70 WATT SIZE. NET.....

\$2.65

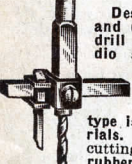
100 WATT VASCO IRON

A heavier, larger iron than the 70 watt size above. May be used for heavier work. Length overall, $12\frac{1}{2}$ " ; $\frac{3}{4}$ " tip.

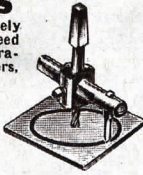
A2202. YOUR PRICE.....

\$4.23

CIRCLE CUTTERS



Designed to cut large holes accurately and quickly. May be used in slow-speed drill press or hand-brace. Ideal for radio set-builders, servicemen, carpenters, plumbers, sheet metal workers, etc. Type No. 5 is for heavy-duty work; Type No. 2 is a standard cutter; Junior type is for light work on softer materials. These tools may be used for cutting holes in wood, bakelite, hard rubber, tin, sheet metal, etc.



A5180. No. 2. Cuts holes 1 to 4 inches in diameter. NET.....

\$1.10

A5181. JUNIOR. Cuts holes $\frac{1}{2}$ to $2\frac{1}{2}$ inches in diameter. NET.....

78¢

A5182. No. 5. Cuts holes 1 to $5\frac{1}{2}$ inches in diameter. Square shank. YOUR PRICE.....

\$1.88

A5183. Extra cutters for No. 2 and No. 5 tools. NET EACH.....

24¢

MORRIS COIL WINDER



This improved universal coil-winding machine will wind Honeycomb, Spider Web, Solenoid coils, etc., in different widths and diameters and will handle wire of different gauges. Makes precision coils that equal factory accuracy. Has recorder with adjustable pointer for counting number of turns. An ideal machine for the experimenter or small factory. Will pay for itself quickly. Shpg. wt., 4 lbs.

A9302. List Price, \$7.50. YOUR PRICE.....

\$4.35

SPECIAL LONG NOSE SIDE-CUTTING PLIERS

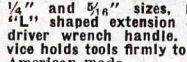
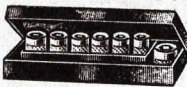


High quality pliers carefully made of hardened forged steel. Knives clean, easy cut. 5 inches long. Particularly useful in radio construction and repair work. A quality tool at a low price.

A7802. YOUR PRICE.....

39¢

LOCK-SOCKET WRENCH SET AND SCREWDRIVER



A set of 9 sockets in assorted sizes to handle hex, square and round nuts. Consists of 1- $\frac{1}{4}$ " hex socket mounted on 3 $\frac{3}{4}$ " straight extension; 5 hex sockets in $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " sizes; 2 square sockets in $\frac{1}{4}$ " and $\frac{3}{8}$ " sizes. 1 round nut socket, 1 $\frac{1}{4}$ " shaped extension 4" long and 1 screwdriver wrench handle. Patented locking device holds tools firmly to handle.

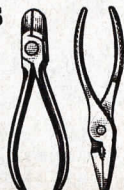
American-made. A5516. YOUR PRICE.....

85¢

RADIO PLIERS

Well-made handy pliers for radio and electrical work. Made of fully-polished forged tool steel. Diagonal cutting type ($5\frac{1}{2}$ " long) has hardened and tempered cutters with knurled gun-metal finish handles. Thin nose type (6" long) are nickel-plated. Stoutly built to give lasting service. Excellent tool values.

A7800. Diagonal Cutting Pliers. A7801. Thin Nose Type. YOUR PRICE EACH.....



33¢

KESTER QUALITY SOLDER ROSIN-ACID-ALUMINUM



Three types of solder compounded of the highest grades of tin and lead available. Flux filling assures perfect permanent joints free from corrosion. Widely used by Servicemen. A Class "A" Solder, the finest that can be bought.

Acid Core
Of purest virgin metal with properly prepared a acid flux core.

A6175. 56¢
1 Lb. Spool..

A6176. 15¢
Per Tin..

Rosin Core
Kester Solder with pure plastic rosin core flux.

A6177. 56¢
1 Lb. Spool..

A6178. 15¢
Per Tin..

Aluminum
A flux-filled Solder that will absolutely solder Aluminum.

A6179. \$1.80
1 Pound Spool..

A6180. 17¢
Per Tin..

KESTER SOLDERING PASTE

A new improved soldering paste. Does a clean, non-corrosive job of soldering. Excellent for radio work.

A6181. 10 FOR \$1.05. PER TIN.....

12¢

HI-HEAT BLOTORCH

This heavy-duty blow torch assures perfect results. Features flame control, shut-off valve, and non-clogging burner. Self-cleaning type. Will not lose pressure or fuel. Generates quickly from asbestos-filled drip-cup. Produces a 2000° F. flame. The tank is of heavy gauge seamless drawn brass. Height $7\frac{1}{2}$ inches; diameter at base 3 inches. Two models are available, either for alcohol or for gasoline fuel.



A6224. Type 104. Uses gasoline. List \$1.75. YOUR PRICE.....

\$1.03

A6623. Type 105. Uses alcohol. List \$2.00. YOUR PRICE.....

\$1.18

SPIN-TYPE SOCKET WRENCHES

A complete selection of high grade hexagonal socket wrenches for every radio requirement. Sockets are of hardened tool steel designed to grip surely. Shanks are of cadmium-plated heavy steel with ribbed wood handles, easy to grasp and use. Offset type is handy for reaching into tight places. Sizes below will handle all standard nut sizes used in radio work.

Nut Size	6" Straight	9" Straight	6" Offset Type
$\frac{3}{16}$ inch	A2055 NET	A2062 NET	A2069 NET
$\frac{1}{4}$ inch	A2056 EACH	A2063 EACH	A2070 NET
$\frac{5}{16}$ inch	A2057	A2064	A2071
$\frac{3}{8}$ inch	A2058	A2065	A2072
$\frac{7}{16}$ inch	A2059	A2066	A2073
$\frac{1}{2}$ inch	A2060	A2067	A2074
Per Set of Six	53¢	Per Set of Six 63¢	Per Set of Six 63¢

HANDY SCREW-DRIVER KIT



A popular kit of three screwdrivers in the most useful sizes. Comes in convenient leatherette holder for shop wall mounting. Each screwdriver has insulated handle and finger guard. Blades measure $5\frac{1}{2}$ ", $3\frac{1}{2}$ ", $2\frac{3}{4}$ ".

A5186. NET PER SET.....

38¢

FLEXIBLE SHAFT SCREWDRIVER

Here is a screwdriver that will eliminate a lot of skinned knuckles. Special flexible shaft allows its use in many awkward places where another screwdriver couldn't reach. Has insulated movable screw locator, fluted molded handle.

8 $\frac{3}{4}$ " long overall. A2578. YOUR PRICE.....

88¢

7 IN. SOLDERING IRON HOLDER

A sturdy, soldering iron holder measuring 7 inches long. Useful in the shop, lab., or on service calls. Prevents scarring or burned surfaces.

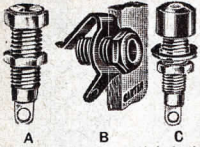
A2206. YOUR PRICE.....



12¢

JACKS • HARDWARE • SOCKETS

TIP JACKS



A2026. FIG. A. Nickel-plated tip jacks requiring a minimum of panel mounting space. Bronze springs grip phone or speaker cord tips firmly for positive connection. Requires only 1/4" mounting hole. Will fit panels up to 3/8" thick. Wt., 2 oz.
Per Doz., 29c.
3c
EACH

A2025. FIG. B. Heavy spring contact with positive action. Short, compact type for limited space. Requires 1/2" mounting hole. Will fit panels up to 1/4" thick. Full nickel-plated.
Per Doz., 30c.
3c
EACH

INSULATED TYPE

New type sure grip contacts for smooth positive action. Insulated head and shoulder washer. Ideal for use on metal chassis or panels for headphone or speaker output, or for test equipment.

A2032. FIG. C. RED.
A2033. FIG. C. BLACK.
Per Doz., 59c.
100 Lots, \$4.55.
6c
EACH

IMP PLUGS



A2027. FIG. A. A midget plug with screw-on solderless connection. Fits all standard tip jacks.
Per Doz., 40c
100 Lots, \$3.00.
4c
NET EACH

INSULATED TYPE

A2034. FIG. B. RED.
A2035. FIG. B. BLACK.
Per Doz., 54c.
100 Lots, \$4.25.
5c
EACH

TWIN JACKS



LAMINATED TYPE

FIG. A. Of laminated bakelite construction, with sure-grip contact springs. Easy to mount. Ideal for headphone, phonograph or speaker connections. 2" long x 5/8" wide.

A4061. SPEAKER.
A4062. PHONO.
A4063. PLAIN.
10 FOR 55c. EACH.....
6c

EBY JUNIOR BINDING POSTS

Insulated posts with non-removable engraved tops. Dia. 1/2". Screw is 6-32, 1/2" long.
A4050. Ant.
A4051. Gnd.
A4052. Input.
A4056. Plain.
A4053. Output.
A4054. +.
A4055. -.
List, 20c. NET EACH
PER DOZ. \$1.35
12c

GRID CLIPS

A Sure contact spring clips. Type A is for standard tubes; Type B is for new metal tubes.
A2079. Type A.
A2054. Type B.
NET EACH
1c
12 FOR 8c

ALLIGATOR TEST CLIPS



Long, thin-nosed clips, easy to get into tight places. Handy for all test instruments. Back of clip fits all banana plugs. Strong spring grip.

A2041. FIG. A. 2" long.
Per Doz., 38c.
100 Lots, \$3.15.
NET EACH
4c

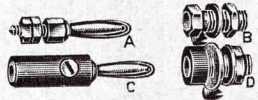
A2038. FIG. A. 2 3/4" long.
Per Doz., 54c.
100 Lots, \$4.25.
NET EACH
5c

INSULATED TYPE

FIG. B. 2 1/2" long.
A2042. RED.
A2043. BLACK.
Per Doz., 80c. EACH.....
7c

FIG. B. 3 1/2" long.
A2098. RED.
A2099. BLACK.
Per Doz., \$1.08. EACH
10c

BANANA PLUGS AND JACKS



A2048. FIG. A. New type plug with tin-plated spring brass plug-in prong. Ideal for use with any test equipment. 1 3/8" long.
Per Doz., 38c.
100 Lots, \$2.95.
EACH
4c

A2049. FIG. B. Nickel-plated brass jack to fit above plug. Complete with lug and nut. 9/8" long.
Per Doz., 39c.
100 Lots, \$2.95.
EACH
4c

INSULATED TYPE

PLUGS FIG. C JACKS FIG. D
A2044. RED **A2046**
A2045. BLACK **A2047**
Per 100 Ass'd., \$4.35.
Per 10 Ass'd., 48c.
NET EACH
6c

MUELLER

ALLIGATOR CLIPS



Small clips with slender elongated jaws. Have screw terminals; with barrel ends to fit banana plugs. Less insulators.
A6477. Clip only. Box of 10, 40c. 100 Lots, \$3.88.
EACH
5c

Colored rubber insulators for above clips. Will not slip off. In red or black.
A6478. RED.
A6479. BLACK.
YOUR PRICE, EACH.....
4c

Box of 10 28c
100 Lots \$2.80
(Pkd. 1/2 Red, and 1/2 Black.)

MUELLER BATTERY CLIPS



Strong channel construction. No solder required. For screw or lug connections. 5 and 10 amp. types cadmium-plated; balance lead-coated steel.

MESH TEETH TYPE
A6500. 1 1/2 in. long. 5 amps. No. 45. 7 lb. spring.
NET EACH, 4c.
Box of 10
29c
A6501. 2 in. long. 10 amps. No. 48B. 10 lb. spring.
NET EACH, 5c.
Box of 10
33c

SUB-PANEL SOCKETS

Laminated bakelite construction. Sturdy and reliable. Top entirely insulated. Full-floating contacts, self-aligning, and of one piece construction for low resistance connection. Each socket has locating ring for quick tube insertion.



BOTTOM VIEW

STANDARD SIZE

1 1/2" Mounting Centers
No. Prongs EACH PER 10
A4020. 4
A4021. 5
A4022. 6
A4023. 7M
A4024. 7S
5c 45c

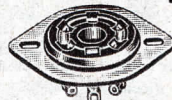
MIDGET SIZE

1 1/2" Mounting Centers
No. Prongs EACH PER 10
A4026. 4
A4027. 5
A4028. 6
A4029. 7M
A4030. 7S
6c 55c

NEW OCTAL SOCKET

A new small wafer socket for all of the new octal base tube types. A single socket will fit all metal, metal-glass and octal base glass tubes having 4, 5, 6, 7 or 8 prongs. 1 1/2" mounting centers.
A4099. 10 FOR 55c. YOUR PRICE EACH.....
6c

New Clip-Tite Bakelite Socket



A new type sturdy socket made of molded bakelite, with long contacts which grip the tube prongs firmly. May be mounted in any position. Each socket is mounted in a special universal adapter plate, which enables you to replace any wafer socket, regardless of mounting centers. Gives lasting service.

A2020. Combination 7 Medium and 7 Small.
NET EACH
9c
A2021. 8 Prong Octal.
10 FOR 85c.
YOUR PRICE EACH.....
9c

EBY ISOLANTITE SOCKETS

Ideal for H.F. use. Large positive contacts. Oval holes for 1 1/4" to 1 7/8" mounting.

No. Prongs EACH PER 10
A4015. 4
A4016. 5
A4017. 6
A4018. 7S
A4019. 7 small
7c 65c
EACH PER 10
29c \$2.85
32c 3.10
35c 3.40



SOLDERING LUGS



Tin coated. Easy soldering.
No. Style PER BOX OF
A2080. Style 1. 100.
A2081. Style 2. 100.
A2082. Style 3. 100.
A2083. Style 4. 100.
A2084. Style 5. 100.
18c

MOUNTING STRIPS



Handy insulated strips to support resistors. Junction connections, etc. on metal chassis to prevent grounding and shorting.

NO. LUGS EACH TEN
A2655. 2 3c 22c
A2656. 3 3c 25c
A2657. 4 5c 40c
A2658. 5 5c 45c
A2659. 6 5c 45c

MACHINE SCREWS

Steel screws, standard thread; good quality.

6-32 ROUND HEAD

No. Length Gross
A7010. 3/8" 16c
A7011. 1/2" 20c
A7012. 5/8" 22c
A7013. 3/4" 22c
A7014. 1" 26c
A7015. 1 1/4" 31c
A7016. 1 1/2" 35c
A7017. 1 3/4" 70c

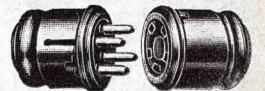
8-32 ROUND HEAD

A7019. 3/8" 23c
A7020. 1/2" 28c
A7021. 5/8" 32c
A7022. 3/4" 47c

HEXAGONAL NUTS

Standard 1/8" nuts. Of cadmium-plated steel.
A7005. 6-32.
A7006. 8-32.
PER 100
18c

Shielded Cable Connectors



Exceptionally rugged construction. Insulated steel cap snaps over Clip-Tite socket (or plug); provides perfect electrical shielding. Has rubber grommet in end to protect cable. Diameter 1 1/4"; only 1 1/4" long.

Male Connectors

No. Prongs NET EACH
A1630. 4 15c
A1631. 5
A1632. 6
A1633. 7S
10 FOR \$1.35

Female Connectors

No. Prongs NET EACH
A1635. 4 15c
A1636. 5
A1638. 7S
10 FOR \$1.35

Fahenstock Connectors



Makes connections by holding wire firmly in spring grip.
A2150. Single, 1" long. **11c**
NET PER DOZ.
A2151. Single, 3/4" long. **10c**
NET PER DOZ.
A2152. Double, 1 3/4" long. **26c**
NET PER DOZ.
A2153. Double, 1 1/2" long. **25c**
NET PER DOZ.

SERVICEMAN'S HARDWARE KIT

Meets all shop needs. Contains: 2 gross assorted machine screws; 2 gross assorted soldering lugs; 1 gross washers; 1 gross hex nuts; 1 dozen knurled nuts; 50 feet bell wire; 2 feet rosin-core solder. Shng. wt., 1 lb.
A2910. SPECIAL PRICE
89c

DIALS · LIGHTS · SWITCHES · FUSES

PILOT LIGHT SOCKETS



Various pilot light sockets for all radio requirements. High quality construction. Carefully assembled with silver-plated lugs for easy soldering. Spring contact in the socket holds lamp firmly in place. These sockets may be mounted in different positions. Use these sockets for all pilot light requirements. Used extensively by many high grade radio manufacturers. Wt., 1 oz.

A6380. Type A.
A6381. Type B.
A6382. Type C.
A6378. Type D. Bayonet Shell Type.
A6379. Similar to type D, but mounting clip reversed.

100 Lots, 42c.
100 Lots, \$3.70. NET EACH.....

EACH. **5c**
5c

GENUINE EVEREADY MAZDA PILOT LIGHT BULBS

Genue Eveready Mazda pilot light bulbs. Famous for quality and dependable long-life. These lamps are made to operate from the voltages indicated. Excellent for all pilot lamp requirements. Will give long continuous service.

STOCK No.	Lamp No.	Volts	Amps.	PRICE EACH	PER 10
A1250	41	2.5	.50	9c	\$0.54
A1251	42	3.2	.35	12c	.72
A1253	40	6.3	.15	9c	.54
A1254	Spec.	2.0	.06	20c	1.50
A1255	44	6.3*	.25	9c	.54
A1256	46	6.3	.25	9c	.54

*Indicates miniature bayonet base.

SPECIAL BULB FOR RCA-VICTOR RE32

S11. A 115 volt bulb with intermediate base; special for RCA-Victor RE32, 10 watt.

A6449. NET EACH..... **20c**

Crowe De Luxe Micromaster

A brand new dial for exceptionally fine tuning. Glass protected pyralin scale is calibrated 0-100. Two speed planetary drive has slow-tuning ratio of 100 to 1 and fast ratio of about 18 to 1 in 360°. Complete with 5/8" x 3/8" bronze escutcheon, 2 knobs, and 3 pilot light sockets.

A3752. 0-100 CLOCKWISE.
A3753. 100-0 COUNTER-CLOCKWISE. NET EACH..... **\$5.88**

3 1/8" AIRPLANE DIAL

A positive action, smooth tuning dial of popular size. Dual translucent scale is protected by convex glass bezel. Tuning ratio 9 to 1. Pointer travels with condenser. Supplied with double pilot light socket and escutcheon. Fits 3/8" condenser shaft. Shpg. wt., 1 lb.



A4188. 0-100 CLOCKWISE.
A4189. 100-0 COUNTER-CLOCKWISE. EACH.....

79c

5 1/8" AIRPLANE DIAL

A large handsome dial of striking appearance. Glass protected pyralin face carries two scales. Top scale calibrated in kilocycles; lower scale calibrated 6 to 15.5 M.C. Dual pointer travels with condenser. The tuning ratio is about 10 1/2 to 1. Supplied with 2 pilot light sockets and bronze escutcheon. For 5/8" shaft. Wt., 2 lbs.

A4177. 1500 to 550 K.C.
A4178. 550 to 1500 K.C. NET EACH.....

\$1.47

Crowe Micromaster Bandspread Dial

A beautiful modern dial for All-Wave or Short-Wave Receivers. Two-speed planetary drive provides a slow speed of 44 to 1 and a fast speed of 9 to 1. "S" and "H" hand pointer ratio is 16 to 1. 3/8" diameter dial scale, protected by glass bezel, in bronze escutcheon.

A3773. Scales: Upper, 0-100 LOWER, 100-0. BAND SPREAD, 1-12.
A3774. Scales: UPPER, 100-0. LOWER, 0-100. YOUR PRICE EACH.....

\$3.17

JEWELLED Pilot Light Brackets

A very popular pilot light bracket, with a red jewel window. The socket mounted on the bracket takes regular pilot bulbs. Requires a single hole mounting. Ideal for use as indicators on power amplifiers, relay racks, test instruments, etc. Lets you know when equipment is in operation. Complete with jewel.

A6383. YOUR PRICE **16c**

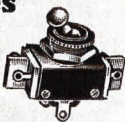
PHOSPHOR BRONZE DIAL CABLE

The 42 Strand Cable is made up of 6 individual cables each consisting of 7 strands of the finest grade of phosphor bronze wire around central linen core. The 16 Braided Cable is made up of 16 strands of fine bronze wire woven together. Minimum stretch.

42 STRANDED NET		16 BRAIDED NET	
A6070. 5 ft.	\$0.20	A6074. 5 ft.	6c
A6071. 25 ft.	.74	A6075. 25 ft.	22c
A6072. 50 ft.	1.39	A6076. 50 ft.	36c
A6073. 100 ft.	2.50	A6077. 100 ft.	60c

H & H Toggle Switches

Underwriters approved; rated at 3 amps.—125 V., 1 amp.—250 V. Oxidized bronze finish. Threaded stem, 1/8" dia. Supplied with two lock-nuts. Have fibre insulation and solder lug connections. For sets, meters, lamps, etc.



S. P. S. T. (2 LUGS)		S. P. D. T. (3 LUGS)		D. P. S. T. (4 LUGS)		D. P. D. T. (6 LUGS)	
No.	Stem	No.	Stem	No.	Stem	No.	Stem
A5450.	1/8"	A5453.	3/8"	A5456.	1/8"	A5459.	3/8"
A5451.	3/8"	A5454.	1/2"	A5457.	3/8"	A5460.	1"
A5452.	1"	A5455.	1 1/4"	A5458.	1"	A5461.	1 1/4"

MIDGET PORCELAIN Knife Switches

Neat and compact; mounted on glazed porcelain base. Blades have insulated handles. With screw terminals. For open or concealed wiring.

No.	Type	NET
A1275.	S.P.S.T.	10c
A1276.	D.P.S.T.	17c
A1277.	S.P.D.T.	12c
A1278.	D.P.D.T.	19c
A1279.	3 P.D.T.	38c

LITTLEFUSES



Designed especially for the protection of delicate test instruments. Littlefuses are so constructed as to break the circuit long before the equipment is harmed. Widely used. 1" long, 1/4" wide. May be used on A.C. or D.C. Fuse is glass enclosed. Protect all your equipment with Littlefuses.

Stock No.	Amps.	Load Rating	PRICE PER DOZ.
A6230	1/100	10 .12	\$1.32
A6231	1/32	25 .12	
A6232	1/16	60 .12	
Low Res.			\$1.00
A6233	1/8	.12	
A6234	1/8	100 .09	
A6235	1/4	200 .09	
A6236	3/8	300 .09	
A6237	1/2	400 .09	65c
A6238	3/4	600 .09	
A6239	1	1000 .06	65c
A6240	2	2000 .06	

LITTLEFUSE MOUNTINGS

Black moulded bakelite. Tinned terminals: 1 1/2" x 3/16" in. For instrument Littlefuses. Single hole mount.

PER DOZ.	PRICE
A6250.	9c
A6251.	12c
A6255.	12c
PER DOZ., \$1.30.	12c
A6255. For mounting on binding post back of meter.	12c
PER DOZ., \$1.30.	12c

BAKELITE KNOBS

MODERNISTIC TYPES

A6202. 1 1/2" across including Pointer. 3/8" high. 1/2" hole. Set screw in side. Modernistic design.

A6203. 1 1/4" Dia. 3/4" hole, 1/4" high. Octagon Pyramid Top. Walnut finish. Set screw in side.

A6204. 1 1/2" Dia. 3/4" high, 1/2" hole. Set screw in side. Polished black finish. Fluted design, with white reference pointer on side.

A6205. 1 1/4" Dia. 3/4" hole. Octagon Flat Type. Walnut finish. Set screw in side.

10 for 45c. YOUR PRICE EACH. **6c**

POINTER KNOB

Attractive, tapered black bakelite knurled knob, 3/4" in. bushing. White arrow pointer etched on face. 1 1/2" in. base.

A6208. NET EACH **5c**
LOTS OF 10..... **40c**

2 TONE KNOBS

Two tone effect and well proportioned. Appropriate for most receiver designs. Smooth, polished finish.

A6206. 1 1/2" A6207. 1 3/8" 10 Lots, 55c. EACH..... **6c**

STREAMLINED BAR KNOBS

Designed especially for use with test instruments. Give a professional appearance to any apparatus. With white pin-line indicator. Fit 3/4" inch shafts.

A8646. Black, 1 1/2".
A8647. Brown, 1 1/2".
DOZ., \$1.00.
YOUR PRICE EACH..... **9c**

A8648. Black, 2 1/4".
A8649. Brown, 2 1/4".
DOZ., \$1.10.
YOUR PRICE EACH..... **10c**

KURZ KASCH VERNIER DIAL

Polished black bakelite dial of pleasing appearance. Translucent universal scale reads 0-100-0. Has smooth, positive friction-drive vernier actuator; no backlash. Available in two sizes, both to fit 3/8" shaft. Ideal for Short Wave receivers, transmitters, monitors, and all other equipment requiring a smooth, free-tuning panel-mount dial. Very accurate. 4 inch dial has tuning ratio of 13 to 1; 3 inch size has 9 to 1 ratio. Wt., either size, 4 oz.

A6201. 4 inch Diam. NET.... **45c**
A6200. 3 inch Diam. NET.... **38c**

COILS • VARIABLE CONDENSERS



LARGE LOW-LOSS RIBBED COIL FORMS

Well-designed plug-in coil forms of moulded bakelite. Have eight-ribbed surface for low-loss coil windings. 1 1/2" diameter with 2 1/2" winding space. Rim moulded on top for easy handling. Listed in four colors.

	4 PRONG	5 PRONG	6 PRONG
Black	A2625	A2630	A2635
Brown	A2626	A2631	A2636
Red	A2627	A2632	A2637
Green	A2628	A2633	A2638
NET EACH	17c	19c	21c

Bakelite Ribbed Type

Genuine moulded bakelite, 1 1/2" diameter and 2 1/2" high, with moulded ribs for low-loss winding. With rim handles. Uniform precision-spaced windings for high efficiency. Prongs fit standard sockets. Coils are for use with 140 mmf. condenser.



4 PRONGS—2 WINDINGS

- A5574.** Short Wave Coil Kit. Set of four coils covers range of 16 to 217 meters. Grid and tickler windings. For use with 140 mmf. condenser. List. \$1.90. NET..... **\$1.03**
- A5575.** Broadcast Coil Kit. Set of 2 coils covers 190 to 550 meters. **84c**
- A5576.** Ultra Short Wave Coil. One coil covers 9.5 to 21 meters. List. \$0.75. NET..... **38c**

Rim Type Plug-In Coils

Small, high efficiency, space-wound coils for Short-Wave receivers. For use with 140 mmf. condensers. Forms are smooth h bakelite, 1 1/2" diameter and 2 1/4" high; have rim-top for easy handling.

4 PRONGS—2 WINDINGS

- A5565.** Short Wave Coil Kit. 4 coils cover range from 16 to 217 meters. **85c**
- A5566.** Broadcast Coil Kit. 2 coils cover range from 190 to 550 meters. **78c**
- A5567.** Ultra Short Wave Coil. Covers range from 9.5 to 21 meters. List. 65c. NET..... **35c**

R.F. CHOKES



Compact, easy-to-mount R.F. chokes of high quality. High impedance, lattice-wound type. Thoroughly impregnated. Accurately

rated. Wound with silk-covered wire on hard maple core. Two types: Shielded or unshielded.

Unmounted	MH	Shielded
A5589	2 1/2	A5596
A5587	5 1/2	A5594
A6400	6	A5571
EACH..		26c
A6401	8	A5572
A6402	16	A5573
EACH..		29c
A5584	30	A5591
EACH..		42c
A5585	60	A5592
A5583	80	A5590
EACH..		49c

BAND-SWITCHING COILS

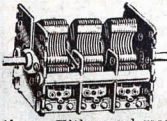


A new unit which gives complete coverage from 16 to 550 meters. No plugging-in; band changing easily accomplished by switching. Units are easily ganged by means of 1/4" shaft. With 4 prong base for rapid mounting.

Complete with pointer knob, dial plate and diagrams. For 140 mmf. condenser. **A5661.** List. \$4.25. **\$2.50**
YOUR PRICE

UNIVERSAL PRECISION GANG CONDENSER

These universal condensers solve every replacement or original gang condenser problem. 1/4" shaft extends 1" front and rear; easy ganging of 2 or more 2 or 3 gang units for obtaining 4, 5, 6 or more ganged sections. Either end may be used as front, providing either clockwise or counter-clockwise rotation in a single unit. Trimmers mounted on long side; may be easily moved to other side or removed altogether. Holes provided for easy mounting on bottom, top or either side, using spade lugs or brackets; adapts itself to any chassis. Slotted end plates for complete alignment of all circuits. Types: TRF type, all sections alike, for TRF or padded osc. circuits, and superhet type, with special cut section for unpaired oscillators. End shields measure 2 3/4" x 3 1/4".



	2 GANG	3 GANG
TRF... A2550	\$1.03	A2556
456KC... A2552		A2557
175KC...		A2558
	450 MMF.	

	2 GANG	3 GANG
TRF....	A2553 ..\$1.12	A2559 ..\$1.65

REPLACEMENT MAJESTIC I. F. TRANSFORMER COILS



Designed to replace the originals used in various Majestic receiver models. Will fit in original Majestic shield cans without change. Wound of double-coated enameled wire on paper tubing. Supplied less tuning condenser and can.

Cat. No.	Majestic Part No.	Model	NET EACH
A7150	4428	15, 15B, 150	\$0.35
A7151	8384	15, 15B, 150	.40
A7168	10149	460	.40
A7169	10253	800	.50
A7175	7187	Primary coil used as R.F. plate coil in Models 290, 300, 310, 330, 460, 520 and 800.	.40

Rim Type Forms

Smooth moulded bakelite; low-loss, with high dielectric strength. Universally used. Moulded rim handle for easy grip. 1 1/2" diameter and 2 1/4" high. Fit standard tube sockets. Mechanically strong; electrically efficient.



No.	Prongs	No.	Prongs	PRICE EACH
A1930	4	A1934	7S (.750)	18c
A1931	5	A1935	8S	
A1932	6			
NET EACH				

THREE CIRCUIT TUNERS



Has primary, secondary, and variable tickler windings. Covers 200 to 570 meters using 350 or 500 mmf. condenser. **A1700.** For 350 mmf. **A1701.** For 500 mmf. **YOUR PRICE EACH.. 73c**

DE-JONG BAND-SPREAD CONDENSERS WITH AIRPLANE DIAL



New band-spread tuning unit with one dial control. Main condenser drives one pointer; other pointer is driven by band-spread condenser section. One knob

controls both sections at will. 4" airplane dial is calibrated 0-100 on top scale and 0-10 on bottom scale. NET

No.	Gangs	MMF.	NET
A2700	2	370	\$6.17
A2702	2	140	
A2701	3	370	\$6.90
A2703	3	140	
A2704.	3 gang, 420 mmf. (Dial is specially calibrated for Meissner Kit).		\$6.90

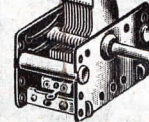
USL MIDGET CONDENSERS

A small, well-built condenser, ideal for Short Wave use. 3/4" shaft extends 3/8" from front of condenser. 3/16" bushing allows rigid mounting on panels up to 3/8" thick. Single hole mounting; fits 3/8" hole. Oversized with plates open. 1 1/2" x 1 1/2". Attractively priced, high quality units.



No.	Plates	Min. Mmf.	Max. Mmf.	NET 35c
A4125	3	3	15	36c
A4126	5	4	30	41c
A4127	7	6	45	44c
A4128	9	7	60	48c
A4129	15	7	100	57c
A4130	20	8	140	

DOUBLE-SPACED MIDGETS CONDENSERS

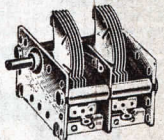


General purpose single unit bar type condensers of high quality. Bakelite insulation assures low-loss. Features ball-race front bearing and bronze contact spring. 1/4" shaft, 1 1/2" long. Measure 3 1/2" x 1 1/2". 1 1/2" deep.

No.	Min. Mmf.	Closes to the Right.	Max. Mmf.	EACH
A4115	100	A4117	370	67c
A4116	150	A4118	450	
A4114	240			

PRECISION 150 MMF. GANG CONDENSERS

Compact condenser assemblies designed especially for short wave use. Bakelite insulation; solid bar construction; assures the utmost rigidity; slotted end plates; ball-race bearings. Trimmers on long side; may be moved to other side, or removed altogether. End shields, 3 1/4" x 1 1/2".



No.	Min. Mmf.	Max. Mmf.	NET
A2567.	100	A2568.	\$1.25
2 GANG.	3 GANG.		
NET			85c

CONDENSER COUPLINGS

Insulated flexible shaft coupling. Permits tandem operation of condensers, etc. Bakelite insulation. For 1/4" shafts.



A2615.	21c
NET.....	

SHAFT FITTINGS

For Every Purpose



Split Bushing Coupling Extender

COUPLINGS and EXTENSIONS

Couplings are designed for extending shafts of volume controls, condensers, etc., or for ganging single units, even when shafts are not of same diameter. Extenders are for decreasing or increasing shaft diameter and for extending shaft length. STOCK NO.

SIZE	KIND	INSULATED	BRASS
3/4 x 3/4"	Coupling	A2085	A2091
3/8 x 3/8"	Coupling	A2086	A2092
3/4 x 3/8"	Coupling	A2087	A2093
3/4 x 3/4"	Ext.	A2089	A2095
3/8 x 3/8"	Ext.	A2090	A2096
Assorted	Per 10	Assorted	NET
85c		\$8.25	9c

Brass and Fibre Shafting

For extensions or replacements. 3/4" dia.

A2100.	Brass. 6' long.	EACH.....	9c
A2101.	Brass. 12' long.	EACH.....	14c
A2102.	Fibre. 6' long.	EACH.....	14c
A2103.	Fibre. 12' long.	EACH.....	18c

Split Bushing
For increasing shaft diameter from 1/4" to 3/8" Brass. 3/4" I.D. 3/8" O.D. 1 1/2" long. **A2097.** Per 10, 35c. EACH..... **5c**

Outstanding Values in APPLIANCES

Vaculator Coffee Brewer

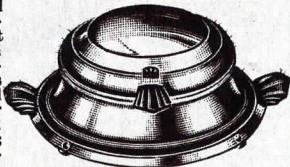


This new vacuum type coffee maker produces delicious, amber clear coffee. Double filter system captures fullest flavor, makes coffee that's "just right," and the maximum number of cups per pound. Made of clearest full-heat resisting glass with balanced "Ever-Kool" handle, and "Snap" filter holder. May be used on gas stove, electric stove, or any open flame. Illustrated with single-burner electric stove which is listed separately below. Stove is finished in triple-plated chrome, with long-life heating element; supplied with cord set. For 110-115 volt, A.C. or D.C.

A10135. 7 CUP MODEL. \$1.40
YOUR PRICE
A10136. 9 CUP MODEL. \$1.60
YOUR PRICE
A10137. ELECTRIC STOVE. NET 1.05

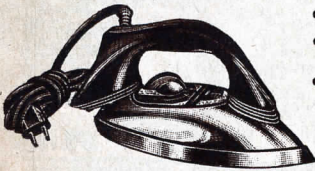
INDICATOR WAFFLE IRON

A modernistically designed waffle iron of the new Low-boy type. Full automatic heat indicator shows exactly when grids reach baking temperature. Heating element is completely encased and sealed against air and moisture for long trouble-free service. Greaseless 7/8" die-cast grids; trim heat-proof bakelite handles. Finished in beautiful chromium; durable, easy to clean, non-tarnishing. Complete with Underwriters' Approved cord set with unbreakable rubber plug. Real value at an exceptionally low price.



A7648. YOUR PRICE \$2.54

NEW SAMSON VISUMATIC IRON



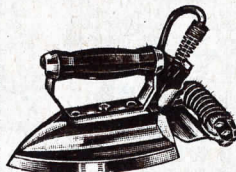
- HEAT IS ADJUSTABLE FOR EVERY FABRIC
- KEPT AT PROPER TEMPERATURE BY THERMOSTAT CONTROL
- SHUT-OFF SWITCH ELIMINATES NECESSITY FOR DISCONNECTING IRON

A very attractive automatic iron incorporating revolutionary new features in iron construction. Heat control knob can be set for proper ironing temperature of any fabric; heat indicator shows temperature of sole plate, and thermostat keeps iron at desired heat. Eliminates "Heat Rot," the invisible scorch caused by uncontrolled heat, which breaks down the tensile strength of fabrics. Heat unit is embedded in Steel Rock; the sole plate is the largest ever built into a household iron and means quicker, more efficient performance. Tearproof heel and beveled edge assure ease in all types of ironing. 1,000 watt rating; weighs 5 lbs.; fatigue-proof air-cooled bakelite handle. Underwriters' Approved.

A10300. YOUR PRICE \$5.10
Complete with cord and unbreakable plug.
A10304. Same as above except 690 watts and without automatic control feature. YOUR PRICE \$2.55

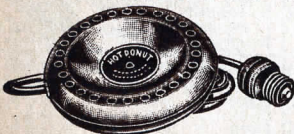
NEW SAMSON PANELLED IRON

Attractive, gracefully designed, and so perfectly balanced that ironing is done with a minimum of effort. Sturdily made, the heat unit is embedded in steel rock which seals it from air and moisture and maintains its heat level with a minimum of current. Large beveled sole plate and tearproof heel assure quick ironing and ease in getting around buttons. Pannelled enamel handle is shaped to hand and prevents hand and wrist strain. 600 watt rating. Weighs 6 lbs. Complete with 6 foot cord and rubber plug.



A10301. YOUR PRICE \$1.31

HOT DONUT HOT WATER HEATER



Hot water in a jiffy, when you want it. No fuss or bother; simply plug cord into any 110 volt A.C. or D.C. outlet and immerse the Hot Donut in water. Inexpensive and portable; invaluable to travelers and tourists. Finished in bright aluminum, easy to keep clean, will not rust. Supplied complete with 6 foot heavy rubber cord.

A9161. YOUR PRICE EACH 69c
YOUR PRICE PER LOTS OF 10 \$6.45

NEW AUTO FLIP TOASTER



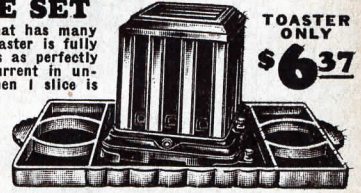
Has specially designed toasting chamber. Bread is toasted evenly over entire surface. Heating element is made of finest nichrome ribbon wound on selected mica; suspension mounting allows easy cleaning underneath. Toast is turned automatically when doors are lowered; finished slices can be kept warm on top of toaster. Chevron perforated doors finished in non-tarnishing chromium; top, bottom and end pieces are beautiful ebony-finish heat resisting bakelite. Complete with cord set.

A7647. YOUR PRICE \$1.30

TRI-MATIC 3 SLICE TOASTER AND CANAPE SET

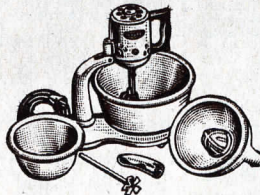
A smart new service that has many outstanding features. Toaster is fully automatic; toasts 3 slices as perfectly as 1; switch turns off current in unused empty chambers when 1 slice is being toasted. Auxiliary heating unit keeps toast "sizzling hot" after toasting. Beautifully finished in gleaming chromium and ebony. For use on any current from 105 to 120 volts A.C. or D.C. Complete with 6 foot cord and rubber plug. Gracefully shaped fluted crystal glass Canape tray has platinum trimmings.

A10302. Complete set. Tri-matic toaster and tray. YOUR PRICE \$8.18
A10303. 3 slice Tri-matic toaster only. YOUR PRICE \$6.37



TOASTER ONLY
\$6.37

MIRACLE FOOD MIXER

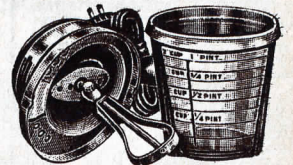


APPROVED BY GOOD HOUSEKEEPING INSTITUTE. A modern, high quality electric food mixer designed and constructed for long lasting service. Has many exclusive features. Will mix, whip, stir, or beat all types of batters, pastry dough, salad dressings, eggs, cream and many other foods; also equipped with juice extractor. Powerful three speed universal motor operates on 110 volts A.C. or D.C.; three speeds take care of foods requiring fast or slow mixing. Motor tilts back to drain beaters, or for easy removal of bowl; base revolves to permit even mixture. Finished in buff enamel. Complete with 1 large and 1 small mixing bowl, 1 juice extractor and reamer, 1 pair plated beaters and 1 beverage mixer. Underwriters' approved rubber covered cord.

A9164. YOUR PRICE \$11.07

VIDRIO ELECTRIC MIXER

An efficient little labor-saving assistant for the housewife. It beats, whips and mixes, swiftly and smoothly. For eggs, salad dressings, meringue, cream and countless other foods. Motor is sturdy and dependable. Portable motor driven beater may be used anywhere. Detachable beater is very easy to clean. Glass measured-capacity jar holds 1 pint. For 110 V. 60/60 cycles; complete with cord and plug. A very inexpensive, dependable electric beater that will find innumerable uses in every kitchen. Worth many times our price.



A9163. YOUR PRICE \$1.13
LOTS OF 6, YOUR PRICE EACH \$1.05

QUALITY AUTOMATIC 3-HEAT ELECTRIC PAD



A high grade Underwriters' Approved heating pad with three heat ranges. Full size 12"x15" with soft camel hair cover. Automatic double-thermostat positively prevents overheating. Heat range selected by four position bakelite switch, installed in Rayon covered cord; with rubber plug. For 110 V. A.C. or D.C. 55 watts. Thoroughly insulated.

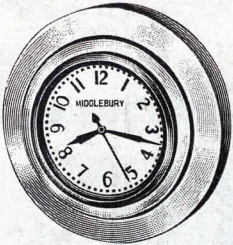
A7638. YOUR PRICE \$1.35

LOTS OF 3, YOUR PRICE EACH \$1.25

and RADIO SPECIALTIES

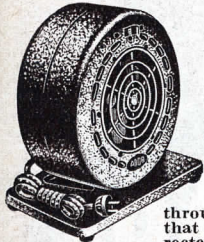
ELECTRIC KITCHEN CLOCK

A smart, well made clock designed to harmonize with the attractive kitchen. Metal case is 7" in diameter. 4 1/2" white dial has large, easy-to-read figures. Fitted with convex crystal and chrome bezel. Entire movement is sealed to keep out greasy vapors and dust. Available in ivory or green enamel finishes. For 110 volt, 60 cycle A.C.



A10305. IVORY. **\$191**
A10307. GREEN.
YOUR PRICE EACH...

ADCO SAFETY HEAT-FAN



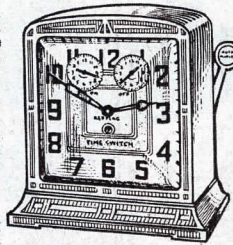
The modern safety heater that blows the hot air—circulates it through the whole room—instead of roasting one spot. Heat-shielded motor, air-cooled casing. Tilts back through 30 degrees so that heat can be directed as desired. Has

long-life 1,200 watt heating element. All metal construction with attractive green Morocco finish. 12" high, 5" deep and 1 1/2" wide.

110 Volts A.C. **\$637**
A10306. NET.....

NEW HAVEN ELECTRIC TIME SWITCH CLOCK

Serves as a high grade electric clock keeping accurate time and also as an automatic control. Will switch radio on or off at a pre-determined time; also controls fans, heaters, night lights, store window lights, etc. Easily adjusted for "on" or "off" action by small dials on face. Can be set for any period "on" or "off" from 10 minutes to 5 hours. Many valuable applications. Every storekeeper in your locality is a prospect for this clock. Underwriters' approved. For 110 volt 60 cycle A.C.



A9150. List. \$7.50.
YOUR PRICE EACH..... **\$477**

POCKET FLASHLIGHT



Invaluable to the service man. Throws a concentrated spot of light into dark corners of cabinet and chassis. Vest-pocket size fountain-pen style. Only 5 3/16" long, 3/8" dia. Shpg. wt., 5 oz.
A1160. Complete with battery and bulb. NET..... **28c**
A1156. Extra 2 cell battery. NET. EACH..... **7c**
A1161. Extra bulb. NET. EACH..... **7c**

Major Bowes Amateur Home Broadcasting Microphone

A sensation at parties, at home, wherever there's a radio. Helps develop "Mike" technique. A real single button microphone for home use. It is sensitive, reproduces with a good clear tone and with plenty of volume. Easy to connect, no rewiring necessary, simple instructions are furnished. Can be left permanently connected; equipped with switch to cut radio programs on and off. Metal case is 5" high by 4" wide. Finished in black and gold. Complete with 20 foot rubber covered cord.



GO ON THE AIR

\$194
A6790. NET.....

MODERN TABLE LAMP



An attractive table lamp of modern design combining pleasing appearance with soft even diffusion of light. An ideal reading lamp that harmonizes well with any type of room furnishings. Overall height is 16" with colored parchment shade 10 1/2" in diameter. Decorated shade is cellophane wrapped. Equipped with standard Edison socket with on-off switch. Supplied with 6 foot silk-covered

cord and plug.
A9162. TABLE LAMP. LESS BULB..... **\$105**
IN LOTS OF 6, EACH..... **96c**

U. S. AUTO COMPASS With Built-in Compensator

A handsome, efficient compass; tells at a glance the direction in which you are driving. Invaluable when touring, or on hunting or camping trips in unfamiliar territory. Especially helpful at night. Case is of attractive black bakelite, with chrome fittings. Built-in compensator assures accurate readings. With vacuum-cup and bracket for windshield or overhead mounting.



A2948. NET..... **\$145**
IN LOTS OF 6, EACH..... **\$135**

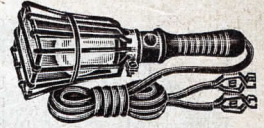
BURGESS LANTERN

An unusually practical search-light type lantern. Durably built; will stand up under hard usage. Provides a penetrating, well-distributed light; focusing adjustment allows variation of the light beam from a sharply focused spot to a broad beam. Carrying handles fold down when not in use. Small and compact; case finished in silver lacquer. Requires 4 No. 2 Uni-Cells; may be operated with only 2 cells if full brilliancy is not needed. Measures 5 1/2 x 2 1/2 x 4 3/4".

A1123. YOUR PRICE..... **\$100**
A1124. Same as above, but smaller; requires 2 No. 2 Uni-Cells. Measures 3 3/4 x 2 3/4 x 4". NET..... **36c**
A1117. Burgess No. 2 Uni-Cell. EACH..... **6c**

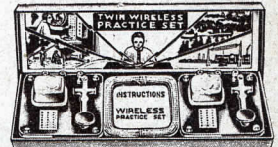
AUTO TROUBLAMP

Every motorist, mechanic, garage, service station, etc., will find countless uses for this new utility Drop Lite. Heavy duty 15 ft. cord; durable rubber handle and light socket. Equipped with cadmium plated clips to attach to any 6 or 12 volt battery; square lamp guard with reflector protects bulb and concentrates light upon object. Ideal for trucks, tow-cars, farmers, campers, etc., as an emergency light.



A9154. 6 Volt. WITH BULB.
A9155. 12 Volt. WITH BULB. **\$130**
NET EACH.....
IN LOTS OF 6, EACH..... **\$1.20**

Signal Twin Wireless Code Practice Set



LEARN WIRELESS CODE

A practical, scientifically designed set, invaluable for learning wireless code. Consists of two complete "stations," each equipped with key, buzzer and easy-to-read code plate mounted on a sturdy, attractive base. 75 feet of wire supplied for inter-connecting the stations; may be operated up to 1,000 ft. apart by adding more wire. Operate with standard dry cells, listed elsewhere in this book. Complete with instructions, in attractive Maroon and Gold display boxes. An ideal, inexpensive practice set for those who wish to learn the code. Shpg. wt., 2 1/2 lbs.

A7700. YOUR PRICE..... **\$203**

INDICATOR MULTIPLE FUSES

- 6 Fuses in 1.
- Indicator Glows When Fuse Blows.
- Turn of Knob Engages New Fuse.



A new improvement in fuse design. Contains 6 links; has neon light indicator. When fuse blows neon light glows permitting its easy location; no more guesswork. A turn of the knob on top of fuse engages new link. Fuse has six lives. Underwriters' approved.

A6795. 10 Amp. A6798. 25 Amp.
A6796. 15 Amp. A6799. 30 Amp.
A6797. 20 Amp.
YOUR PRICE EACH MULTIPLE FUSE..... **25c**
LOTS OF 5 OF ONE SIZE, EACH..... **19c**

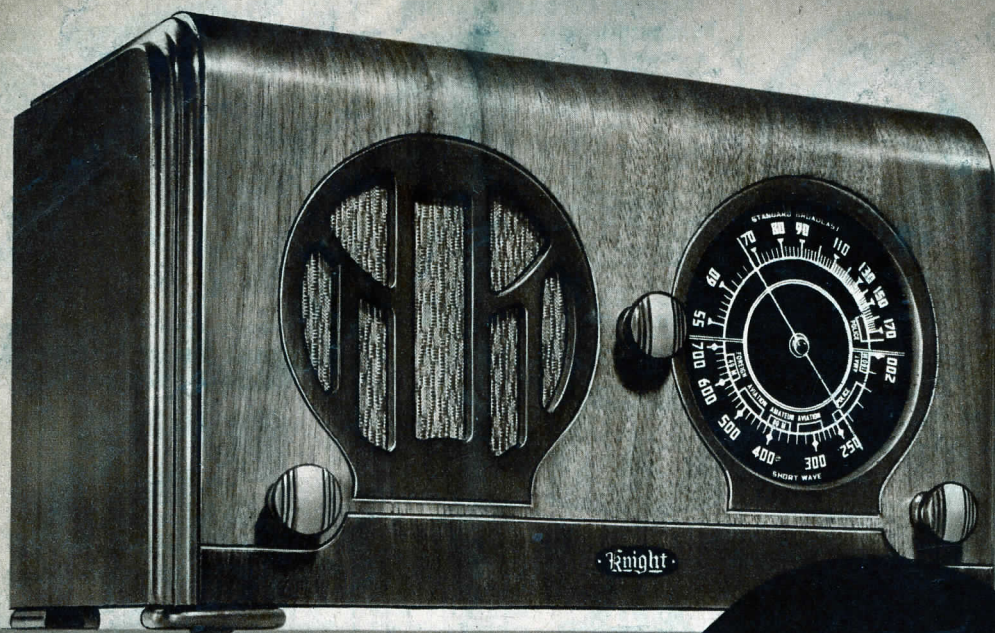
AIRMETER TELLS HUMIDITY AND TEMPERATURE

For your health and comfort, know the condition of the air you breathe. The Airmeter tells at a glance the relative humidity and temperature with unusual accuracy. Chrome case with black dial face and contrasting aluminum figures and pointers. Size 3 1/2 x 3 1/2".



A3967. YOUR PRICE, EACH, IN SINGLE LOTS..... **67c**
LOTS OF 6, EACH..... **59c**

A Sensational Hit!



Knight 5 TUBE A.C. SUPERHET

\$13.95
COMPLETE WITH
RAYTHEON
TUBES

Here's the Radio Sensation of the year—a new Dual Wave Knight 5 Tube A. C. Superhet that is literally packed with value! No other set at this price has half as many features. No other set at this price has so much built-in quality, such big power and fine tone, such good looks. Check these features for yourself—they prove that only **ALLIED** can give you radio's Outstanding Value!

• **TUNES 2 FULL BANDS.** The Knight 5 tunes from 43 to 150 Meters to bring in Short Wave police, aviation and amateur 'phone, as well as actual thrilling foreign reception on the popular 49 meter foreign Short Wave band. The second band covers from 175 to 550 Meters and tunes the upper police channel and the entire range of American and Canadian standard Broadcast stations. These two bands actually give you three band utility because they cover the most important Short Wave and Broadcast channels. A big Value Feature!

• **BIG 5 1/2 INCH VERNIER DIAL.** It's easy to tune the Knight 5. The big, fully illuminated 5 1/2 inch air-plane dial is accurately and clearly calibrated. It shows two easy-to-read scales, the upper calibrated in kilocycles for standard Broadcast tuning, the lower marked in kilocycles for Short Wave tuning. All important Short Wave bands are clearly designated in meters. Double-ended pointers and vernier action assure quick positive station logging. Another big Value Feature!

• **6 INCH DYNAMIC SPEAKER.** A full-size 6 inch Electro-dynamic speaker is used in the Knight 5. It faithfully reproduces the fine tonal output of the circuit with flawless fidelity at either full volume or at a whisper. You'll enjoy the life-like re-creation of the whole range of voice and music, the reproduction of each program with stirring realism and vitality. Another exclusive Value Feature!

• **LATEST CIRCUIT.** The Knight 5 assures you of the most recent radio improvements because its circuit is licensed by R. C. A. and Hazeltine and utilizes the newest developments from these world-famous laboratories. Latest type tubes are used throughout as follows: 6A7 as 1st Det.-Osc.; 6D6 as I.F. Amp.; 75 as Diode Det.-A.V.C.—1st Audio; 42 as Pentode; 80 as rectifier. Actually achieves 8 tube efficiency. Includes rubber-floated tuning condenser for greater stability; has 8 tuned circuits for maximum selectivity and automatic volume control to prevent blaring and to maintain uniform volume.

• **BEAUTIFUL "LOW-BOY" DESIGN.** The Knight Dual Wave 5 is presented in a beautiful laydown type cabinet with pleasing rolet top design. The top and front are one panel bent of selected vertically grained walnut. Measures 15 1/4 x 9 x 7 inches.

• **A \$30 VALUE.** The Knight Dual Wave 5—Radio's Sensational Hit—is offered in the beautiful cabinet illustrated above, complete with Raytheon tubes. For operation on 110 volt, 60 cycles, A.C. Code: KEEN. Shipping weight, 15 lbs. **A92860** Retail Value, \$30.00 **YOUR PRICE.....\$13.95**

RCA & HAZELTINE
LICENSED

TUNES
43-150 METERS
175-550 METERS
2 Thrilling Bands
with 3 BAND UTILITY
AUTOMATIC
VOLUME CONTROL
8 TUNED CIRCUITS

**FOREIGN
RECEPTION**
*Tunes 49 Meter
Band*

**5 1/2 INCH
DIAL**
*Vernier
FOR
Accurate Tuning*

**FULL 6 INCH
DYNAMIC
SPEAKER**
for Beautiful Tone

*Outstanding
Beauty*