

RADIO

MODERN RADIO SETS
ACCESSORIES KITS AND PARTS



for

1929

CONFIDENTIAL
WHOLESALE
PRICES



**ALLIED RADIO
CORPORATION**

711 W. LAKE ST. — CHICAGO ILL.

SERVICE

Lowest Wholesale Prices!

NEVER before in the history of radio have we been able to offer the thousands of dealers, throughout the country, such smashing values in Standard Nationally advertised radio merchandise! Never before has there been offered such a wide variety of all that is new and worth-while in radio. Tremendous purchasing power has placed us in an enviable position to buy at a price—and these savings reflect themselves to you throughout the pages of this catalog. Quality in merchandise has not been compromised for price—but sterling quality first, and lower prices second make the purchasing power of your dollar go farther, and do more for you when you concentrate your radio purchases here.

HOW YOU BENEFIT!

Allied Executives, who are Pioneers in Radio, backed by years of training and experience are able to buy right. Continual contact with the pulse of radio enables them to select merchandise that you can sell—and buying right—the savings they effect are passed right on to you in the way of lower prices. Allied prices invite comparison.

ALLIED FEATURE SPECIALS

Throughout the many pages of this catalog, you will find feature items offered at a price that stamps them as remarkable values. Allied offers them to you in popular modern items—A-C All-Electric Sets—Dynamic and Magnetic Speakers, Power Amplifiers, Power Packs. In fact, all the new items your trade is demanding—and Allied Service makes it possible for you to supply this demand—beat competition—and make a big profit.

Tremendous Stocks—

IN your purchases from Allied, you are drawing on a tremendous reserve of stock that enables immediate shipment of your orders. Fifty thousand square feet of floor space, literally loaded with all that is new, and modern in Radio is here ready for your call. These tremendous stocks mean that during the height of the season, when the inevitable rush of your trade demands super service—your shipments will go forward with a promptness and dispatch that will astound you. The entire Allied Organization is animated by a desire to render super service to our dealers—and to this end these tremendous stocks of merchandise are carried—ready for your call.

HIGHEST QUALITY MERCHANDISE

Our established policy of offering our dealers only such merchandise that passes our own rigid tests for quality at a price means that you can buy right. Every item listed in this catalog is faithfully described, and offers you in quality a value far in excess of the price we ask. Every effort—every precaution is made to select for, and offer, our trade only such merchandise that has established a reputation for quality—and represents a real value.

SHIPMENTS

Tremendous stocks of the many items listed in this catalog should enable us to make immediate shipment on your order. It is unusual that back orders occur. By making your problems our problems, we know the service you require—and we have made vast preparations to render you the service you have a right to expect. We cannot earn your good-will unless we render you such service as warrants a continuation of your business.

We Pay the Freight  **on all orders of!**
\$50.00 or more.

By making your order for \$50.00 or more, we pay the freight. This offer makes our low prices even lower—it brushes aside all obstacles in the way of increased profits. It places the goods on your floor at astoundingly low prices. If your order goes forward by express or parcel post, we will allow you the freight equivalent. Send us your paid freight bill with the order number you find on the shipping label.

Guarantee

We guarantee every piece of radio apparatus we sell to operate in the manner intended for such apparatus. Examine the goods we ship you; any article which does not meet our guarantee, if returned at once, will be exchanged for perfect merchandise. We are able to make this guarantee because we handle the best grade of carefully tested merchandise

EXCEPTIONS

All items shown in this large catalog with the exception of "A" and "B" batteries, consoles or radio furniture, aerial wire and insulators, when ordered alone, are included in this offer to all states except New Mexico, Colorado, Wyoming, Montana, Arizona, Utah, Idaho, Oregon, California, Florida, Washington, Maryland, and all New England States. This offer does include all complete radio sets



AN ORGANIZATION

THAT WINS

**Send
No
Money**

Big Profits..

THE low prices quoted in this catalog are strictly wholesale prices. They enable you to resell at a handsome profit. Thousands of dealers and agents, throughout the country, are in better position than ever before to meet all competition. Our low prices plus freight allowances, on orders of \$50.00 or more, places the goods on your floor at astounding low prices. Bigger profits for you and tremendously greater values to your customers.

BEAT ANY COMPETITION

Live dealers realize that the sale of complete receivers is the life-blood of their business. Knight A. C. All Electric and Battery Sets are without question the outstanding values of the season. The product of advanced engineering—incorporating features that you will find only in receivers selling for many times the prices we show. You will marvel at their overwhelming tone quality—their selectivity—their extreme distance range. The apparatus used in them is the finest that money can buy.

Immediate Shipment

Allied dealers and agents throughout the country not only expect immediate shipping service on their orders—they depend on it. A visit to our plant—a trip up and down the long aisles in our stock rooms, would give you a better conception of the enormity of our stock—convince you that our vast preparations to render service are an actual reality. You would then depend on Allied Shipping Service.

Order From This Catalog

The merchandise offered in this catalog has been carefully selected as the most popular and best selling items of the season. It is new merchandise—no job lots—no makeshifts. Packed in original factory cartons, it comes to you in perfect condition. Order right from this catalog. The service, the quality, the value you receive here, will warrant an ever increasing volume of your business.

Our Location

OUR location, just outside of Chicago's busy Loop District, is convenient to all railway terminals and express offices—boat lines—in fact, every form of transportation. Centrally located, with fourteen hundred trains a day leaving Chicago, means that Allied merchandise gets to you promptly.

**Send No
Money**

All prices quoted are net. All discounts have been deducted. All quotations are F. O. B. Chicago or factory. Our terms are cash with order or C. O. D.—as you choose. We sell to thousands of well rated firms on this basis—saving them thousands of dollars. Most of our customers send cash with order to avoid extra collection costs. Orders from distant points on heavy merchandise, should always be accompanied by a reasonable deposit.

50,000
Sq. Ft. of floor
space located in
this big modern
building devoted
exclusively
to RADIO

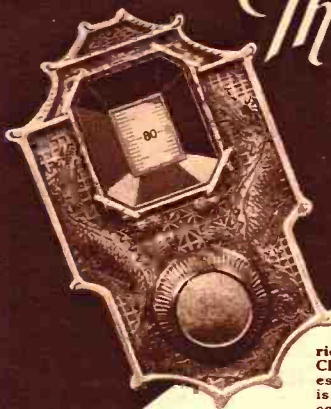


TRAINED IN SERVICE

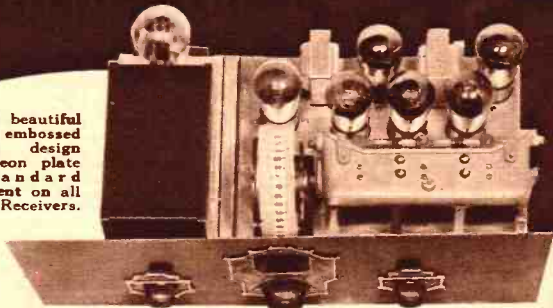
The Knight A-C

The Peer of A-C Electric Shielded Chassis

6-7



This beautiful richly embossed Chinese design escutcheon plate is standard equipment on all Knight Receivers.



**REAL A-C
SENSITIVE AND
SUPER SELECTIVE**

6-7 Tubes For Distance—Power—Tone

HERE is real radio efficiency—the product of some of the country's foremost engineers. It is not a mere assembly of radio parts. It is a carefully balanced synchronized construction, in which the utmost care has been exercised to assure maximum radio efficiency. It features a solid sub-chassis of substantial steel cadmium plated skyscraper construction, with double spring tube sockets. A three-gang cast frame bathtub type condenser with ample size automatic take-up bearings, and finely tested and sealed compensators. Carefully designed space wound coils on genuine Bakelite forms. Of Low Loss design, yet providing the highest radio frequency gain obtainable. Shielded construction with metal panel, finished in a soft velvet green color.

REVOLUTIONARY DESIGN

Nothing has been overlooked in the construction and design of the Knight Circuit to make it the peer of the season's A-C Receivers. Perfect balancing results in peak efficiency over the entire broadcast wave bands. Solid metal construction assures a minimum of servicing.

SINGLE CONTROL

Only one tuning control. A small knob to the left of the tuning control switches the set on or off. At the right is the volume control knob.

RUGGEDLY BUILT

One-piece die formed chassis of heavy gauge material, cadmium plated to increase its conductivity to radio frequency currents.

ASTOUNDING PERFORMANCE

Perfect engineering, coupled with the careful matching of all parts, imparts to the Knight Circuit unusual efficiency. The ease with which it brings in distant stations—the remarkable tone and volume will astound you. You will marvel at its ease in handling—the way station after station will come in, as you rotate the drum dial.

THE KNIGHT 6/7 A-C CIRCUIT

The Knight Circuit employs a total of seven tubes, so designed that each tube operates at maximum efficiency. Requires: 4 type X226, 1 type Y227, 1 type X171, 1 type X280 rectifier tube for operation. Three stages of radio frequency assure extreme distance range. Two stages audio amplification provide wonderful tone quality and volume. Ample size power plant assures freedom from breakdowns and provides a reserve power far in excess of normal requirements. The utmost in radio efficiency. Operates on 105-120 volts, 50-60 cycle A-C current.

PEAKED EFFICIENCY

Careful testing, coupled with many rigid inspections during manufacture, assures uniformity in output of Knight Receivers. Factory adjusted and sealed compensators couples peak efficiency with fool-proof construction.

ELECTRIC OPERATION

Here is real A-C Operation as you have always wanted it. No batteries, no charging. The Knight Power Plant is built-in as an integral part of the sub-chassis, and requires only to be plugged into the electric light main for its power. Shipping weight, 45 lbs.

No. 9851. Regular \$ **32⁹⁵**
\$75.00 Retail Value.
NET TO YOU ONLY ..

Complete With Accessories

Equipment includes 4 type X226 A-C tubes, one type Y227 tube, 1 type X171A tube, and one type X280 rectifier tube, along with complete aerial kit. \$ **44⁹⁵**
No. 9931. Retail, \$95.00. YOUR PRICE....

ALL ELECTRIC

SYMPHONIC 6-7

The Knight AC



RADIOS GREATEST VALUE

THE YEAR'S ELECTRIC RADIO SENSATION

HERE the famous Knight 6/7 A-C chassis is offered, housed in a substantial all-metal cabinet that is in strict keeping with the modern trend of table model cabinet design. Available in different colors to harmonize with the furnishing of any room. The beautiful illuminated drum dial, coupled with the attractive Chinese design escutcheon plates, imparts to the Symphonic Receiver a rich and beautiful appearance that will meet the instant approval of your taste.

CIRCUIT EMPLOYS SEVEN TUBES

The Knight Circuit as listed on Page 4 employs a total of seven tubes as follows: 4 type X226, 1 type Y227, 1 type X171 and 1 type X280 rectifier. Perfect circuit engineering assures maximum efficiency from each tube, imparting to the receiver unusual sensitiveness and power.

STONE QUALITY

Power tube equipment in Symphonic 6/7 results in a marvelous stone quality. Ample transformer design assures low note reception, without a falling off in the higher scale; resulting in a naturalness in reproduction that will astound you.

METAL CONSTRUCTION

Metal construction imparts to the Knight chassis substantialness and ruggedness that assures years and years of service. Its efficient yet fool-proof design reduces servicing to a minimum.

With All Accessories

Includes: 4 type X226 A-C tubes, 1 type Y227 five prong detector, 1 type X171 power tube, 1 type X180 rectifier tube, along with aerial kit. Shipping weight, 60 lbs.

No. 9802, Brown Bronze. \$ **47⁴⁵**
List Value \$100.00.
YOUR PRICE.....

No. 9804, Chinese Red. \$ **49⁹⁵**
No. 9805, Chinese Green.
List Value \$110.00.
YOUR PRICE.....

PRICED BELOW THE MARKET

Never before have you been able to buy such tremendous radio value at so low a price. The unusual popularity of Knight Receivers, resulting in tremendous sales volume has brought about manufacturing economies that make this low price possible.

A-C OPERATION

Just plug the Symphonic into the electric light socket, and it is ready to operate. No muss or fuss with cumbersome batteries, and eliminators. Operates on 105 to 120-volt 50-60 cycle A-C current.

SINGLE DRUM CONTROL

Illuminated drum dial. Smooth operating—no backlash. The beautiful drum dial has a turn ratio of 3 to 1, permitting extra fine tuning with little effort.

Handsome All-Metal Cabinets

Symphonic Receivers are available in a beautiful brown bronze finish, a Chinese red, or a Chinese green. They add a brightness and cheer to any setting. Cabinet measures 19½ in. long, 14½ in. deep, and 9¾ in. high. Their rugged construction and ample design makes them good for years of service.

Speaker Tables to Match
Will Be Found on
Page 23

Set As Illustrated

Here you are offered the famous Symphonic 6/7 A-C Circuit, in an all-metal cabinet at a price far below actual value. Shpg. wt., each, 55 lbs.

No. 9801, Brown Bronze. \$ **35⁴⁵**
List Price \$85.00.
NET TO YOU ONLY

No. 9803, Chinese Red. \$ **37⁹⁵**
No. 9805, Chinese Green.
List Value \$92.50.
YOUR PRICE.....

CHASSIS ONLY

\$ **32⁹⁵**

PERFORMANCE THAT WILL ASTOUND YOU!

The Knight

THE SET YOU HAVE BEEN WAITING FOR

IN the Flournoy Model, you are offered the famous Knight 6/7 Circuit in one of radio's most beautiful consoles. It answers the popular demand for a high grade console type receiver at a moderate price. A full detailed description of this remarkable circuit will be found on page 4. Study it carefully, you will find it to be one of radio's greatest values.

A. C. OPERATION

Plug the Flournoy Model into the electric light socket, and it is ready to go. It offers you real A-C convenience without messy batteries or eliminators. In Knight Receivers, A-C operation has been accomplished without a trace of hum. Operates on 105 to 120-volt, 50-60 cycle A-C current.

STONE QUALITY

A genuine Farrand Magnetic Power Cone Speaker is built-in as standard equipment in the Flournoy Knight 6/7 A-C Receiver. The wonderful tone quality and volume of which this famous receiver is capable, finds its full expression in the wide tonal range and carrying power of the Farrand Cone. It combines unusual sensitivity with flexibility, covering the entire audible scale range with remarkable fidelity. It offers you the utmost in tone quality.

THE CONSOLE

The Flournoy Console will immediately create a favorable impression on your trade. A convenient drop-door closes off the set when not in use, and acts as an armrest when tuning. Ruggedly constructed, beautifully finished.

Your \$ **52⁵⁰**
Price

FOR POWER, TONE AND SELECTIVITY

Nowhere else, at anywhere near this price can you buy such quality, such radio efficiency as you are offered in the Knight Flournoy. It combines real A-C operation—one dial control—shielded construction—unusual tone quality; in fact, everything you expect to find in the highest priced receivers. The beautiful console will win for itself a place in the most finely furnished home. Its attractive silk-backed grill is well proportioned, and forms an ideal support for the Farrand Speaker. You will do well to make the Flournoy one of your feature receivers for the season.

A BEAUTIFUL CONSOLE

The Flournoy Console stands 37 in. high, top measures 22x15 in. Its design is the work of artists. The smallest constructional details have been carefully worked out. Modern manufacturing methods imparts to it a ruggedness and rigidity that will prove a revelation to the purchaser. The substantial turned legs are securely braced with an attractive stretcher. The top of the console tilts up, permitting access to the receiver. Beautifully finished and high lighted.

FARRAND SPEAKER

Nationally advertised Farrand Magnetic Cone Speakers are standard equipment in Knight Receivers. This assures you of the utmost in tone quality. Farrand Speakers cost more, and are of the better speakers; yet we feel that the best is none too good to handle the output of the famous Knight 6/7 Circuit.

RUGGED CHASSIS

You can not appreciate the rugged construction of the Knight chassis without seeing it. Die formed in one piece of sixteen gauge cadmium plated material. Provides a shielding and housing for the wiring that assures fool-proof construction. When you sell Knight Receivers, they stay sold. Servicing has been reduced to a minimum.

6/7 TUBE CIRCUIT

The Knight Circuit employing three stages of radio frequency, detector, and two stages of audio frequency, stands forth as a marvel of engineering skill in A-C set construction. The power plant is built-in as a regular part of the chassis. It is of excellent design, ample size, and provides a safety factor far in excess of normal requirements. In the Knight Circuit A-C, Operation has been accomplished without a trace of hum. You will marvel at its perfection.

The Millionaire's Value at a Popular Price

Flournoy

6-7 AC ELECTRIC

REAL BEAUTY IN DESIGN

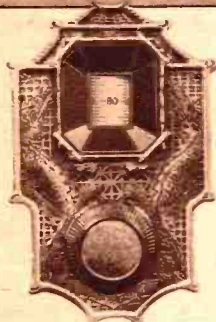
In the Flournoy Console only the finest combination Walnut Plywood is used; and this coupled with the modern cabinet manufacturing methods employed in its construction, has produced a rare piece of furniture. For durability in construction and beauty of finish, it is in a class by itself. Finished in an attractive two-tone, preserving the natural grain and beauty of the wood. It answers the popular demand for simple, yet dignified radio furniture. Stands 36½ in. high, measures 22 in wide by 15¼ in deep.

ONE DIAL

TONE QUALITY SUPREME

In the design of the Knight 6/7 Circuit, tone quality was kept foremost. Ample size audio transformers, and the use of a power tube in the output stage assures the utmost in tone quality. This quality output of the receiver, is further enhanced by use of a genuine Farrand Power Cone Speakers. These speakers have earned an enviable reputation to carry unlimited volume, and to reproduce faithfully all of the various tones in the musical scale, catching every delicate shading, from the lowest to the highest notes audible to the human ear. They are equipped with the new type driving unit, that assures faithfulness in reproduction.

One dial control simplifies tuning, and adds to the flexibility of the receiver. Being illuminated behind the drum, the calibrated numerals are plainly visible in the dark, as well as in the light.



CHINESE DESIGN

Above is reproduced the beautiful Chinese design escutcheon plate that is standard equipment on all Knight Receivers. Attractive antique bronze, beautifully etched and embossed.

THE KNIGHT 6/7 CIRCUIT

Designed for A-C Operation drawing its power direct from the light mains. The circuit employs one stage of untuned radio frequency amplification, two stages tuned RF, one radio frequency tuned detector stage, one stage of bass reproducing audio frequency amplification, and one stage of power amplification. For operation on 105 to 120 volt, 50-60 cycle A-C current.

REAL QUALITY THROUGHOUT

The single control illuminated drum dial has a die cast aluminum frame. It is equipped with a special stop feature preventing back lash, slipping of drum on condenser shaft, or abuse when turned to either end of the scale. Provides a three to one ratio, permitting unusually fine tuning. Only three knobs are on the front panel. One "on and off" switch, one volume control, while the center knob acts as station selector.

SET ONLY AS ILLUSTRATED

Here you are offered the famous Flournoy Knight 6/7 A-C All-Electric Receiver, equipped with genuine Farrand Magnetic Power Cone Speaker. Order a sample set today for use as demonstrator. It will result in many profitable sales for you. Shipping weight, 150 lbs. No. 9819. List price, \$130.00.

\$52.50

YOUR PRICE

COMPLETE WITH ACCESSORIES

The Flournoy is complete with all necessary accessories for its operation. Equipment includes: 4 type X226 A-C tubes, 1 type X171 power tube, 1 type Y227 detector tube, 1 type X280 rectifier tube, along with all necessary aerial and ground equipment. A real value, Shipping weight, 155 lbs.

\$64.50

No. 9820. List value, \$140.00.

YOUR PRICE

SET ONLY WITH FARRAND DYNAMIC

Equipped with a genuine Farrand Dynamic Cone Speaker, the Flournoy offers you the ideal combination for real tone quality and tremendous volume. Complete description of speaker will be found on page 137. Shipping weight, 163 lbs.

No. 9941. Retail list, \$160.00.

\$66.50

YOUR PRICE

WITH DYNAMIC SPEAKER AND ACCESSORIES

Here the Flournoy is offered equipped with Farrand Dynamic Speaker and following accessories: 4 type X226 A-C tubes, 1 type Y227 detector tube, 1 type X171A power tube, 1 type X180 rectifier tube, and complete aerial kit. Shipping weight, 165 lbs.

No. 9942. Retail list, \$165.00.

\$78.50

YOUR PRICE



Here the Flournoy Console is shown in its closed view. Notice its graceful proportions, and the beautiful overlays on the doors.

Up-to-the-Minute Design

The PLYMOUTH HIGHBOY Knight 6-7 ALL ELECTRIC



Your Price
59⁵⁰

Selective

The perfect matching of all parts used in the construction of the Knight Circuit assures unusual selectivity, permitting its use in the most congested broadcasting districts. The vernier drum dial permits unusually fine tuning.

usual selectivity, permitting its use in the most congested broadcasting districts. The vernier drum dial permits unusually fine tuning.

Sensitive

The Plymouth Highboy is noted for its sensitivity. It will pick up the faintest radio impulses and build them up into loud speaker volume, reproducing them with marvelous tone quality and with total absence of distortion. Such sensitivity assures remarkable distance range, and provides consistent performance by the receiver.

POWERFUL

Knight A-C Receivers offer you a world of power. Drawing their current from the electric light socket, they provide consistent reception, eliminating the fluctuations caused by run-down batteries, etc., in old style receivers. Knight Super-Power is always available at the turn of a switch. For 105 to 120 volt 50-60 cycle A-C current.

FARRAND SPEAKERS

The famous Farrand Magnetic Power Cone Speaker is built-in as standard equipment in the Plymouth Highboy. This famous Speaker is in keeping with the wonderful tone quality of the circuit. With it, tonal reproduction makes its nearest approach to the natural. Its soft, mellow quality will prove a delight to all lovers of good music.

REAL DISTANCE RANGE

The super-sensitivity of the Knight Circuit imparts to it a distance range that will astound you. Perfect engineering, perfect balancing and matching of all parts assures utmost efficiency in Knight Receivers. Many rigid inspections during the process of assembly assures uniformity and perfect operating characteristics in each Knight Receiver turned out. On page four a more detailed description of this famous chassis will be found.

BEAUTIFUL CONSOLE

Too much can not be said of the remarkable beauty of the Plymouth Highboy Console. Only the finest woods are used in its construction—selected for their beautiful grain, and exquisitely matched in an exclusive design. It stands 48 in. high; top measures 24 in. x 15½ in. Its exclusive design and rich appearance commends it to all lovers of fine furniture.

FOR THE FINEST HOME

The Plymouth Highboy is worthy of a place in the finest home—while the performance of the Knight 6/7 A-C Circuit is in strict keeping with the beauty of its cabinet. Your trade will be quick to appreciate the unusual quality offered in the Plymouth Highboy Receiver.

Complete With Accessories

The famous Plymouth Highboy Knight 6/7 A-C All-Electric Receiver is here offered with all accessories necessary for its operation. Nothing has been overlooked. Equipment includes: 4 type X226 A-C Tubes, 1 type Y227 5-prong detector tube, 1 type X171 power tube, 1 type X280 rectifier tube. Aerial and ground equipment, sufficient for the most difficult aerial installation is included. Complete with Farrand Magnetic Power Cone Speaker. Highest quality throughout. Shpg. wt. 145. No. 9808. List, \$125.00.

YOUR PRICE

\$72⁵⁰

Set As Illustrated

Here the Plymouth Highboy Knight Receiver is offered without tubes or aerial and ground equipment. Genuine Farrand Magnetic Power Cone Speaker is built-in, along with the Knight 6/7 A-C All-Electric Chassis, as is fully described on page four. The attractive Console stands 48 in. high, 24 in. wide, by 15½ in. deep. Order a sample set today. Shipping weight, 140 lbs. No. 9807. List, \$125.00.

YOUR PRICE

\$59⁵⁰

With the Dignity of the Pilgrims

THE SOVEREIGN A-C Electric Knight 6-7

BEAUTY IN RADIO

IN the Sovereign Knight 6/7 A-C Receiver, real beauty is combined with the utmost in radio efficiency. The console cabinet is made up of genuine black walnut, and fine American gum wood. The front door panels are in butt walnut, embellished with Antique brass hardware. A genuine Farrand Magnetic Cone Speaker is built-in as standard equipment.

ELECTRIC OPERATION

Just plug it into an electric light socket, and it is ready to operate. Messy batteries and eliminators are done away with. It employs the new A-C tubes. Operates direct from the light socket. For 105 to 120 volt 50-60 cycle A-C current.

FARRAND SPEAKER

The rare beauty of the Sovereign Console, coupled with the remarkable efficiency of the Knight chassis, has prompted us to include one of the season's finest cone speakers as standard equipment. The wonderful reputation of Farrand in speaker design, and manufacture finds its culmination in the wonderful magnetic cone speaker, with which the Sovereign is equipped. Its splendid tone quality, and instant response to the faintest impulse, coupled with its wide range, from the lowest to the highest notes in the scale, stamps it as one of the season's finest speakers.

CONSOLE DE-LUXE

To really appreciate the rare beauty of the Sovereign Console, you must see it. The perfect matching of the walnut butt doors and front panel, coupled with its graceful design and rigid construction, imparts to the Sovereign Console a richness in appearance that will make an instant appeal to your better trade. Stands 50 in. high, 27 1/2 in. wide and 17 in. deep. Beautiful high-lighted shaded and rubbed lacquer finish.

FOR THE FINEST HOMES

The unusual beauty of the Sovereign Knight 6/7 A-C, will instantly win for it a place in the finest homes. Its graceful design and proportions, is the work of artists. It stands forth as a real gem of the cabinet makers art.



KNIGHT 6/7 CIRCUIT

The famous Knight 6/7 Circuit employs three stages of radio frequency, detector, and two stages of audio frequency amplification, with power tube equipment. It incorporates refinements in construction and features that you expect to find in sets selling for many times the price quoted. A complete description of this wonderful chassis will be found on page 4.

ILLUMINATED DRUM CONTROL

Efficient shielding in Knight 6/7 chassis imparts to the receiver unusual selectivity and sensitivity. Its one dial illuminated drum control, with its beautiful Chinese design escutcheon plates makes tuning a real pleasure. Perfect balancing assures utmost efficiency. The finest parts, coupled with perfect workmanship, assures years of satisfactory service.

SET COMPLETE

Everything necessary for operating is included: Knight 6/7 chassis, Farrand Magnetic Cone Speaker, and 4 type X-226, 1 type Y-227, 1 type X-171 power tube and 1 type X-280 rectifier tube, along with all necessary aerial and ground equipment. Shipping weight, 155 lbs.

No. 9814. List value, \$230.00.

YOUR PRICE

\$94⁹⁵

No. 9859. Same as above but with Farrand Dynamic Speaker.
Retail list, \$260.00.
YOUR PRICE..... \$108.95

SET AS ILLUSTRATED

Here you are offered the famous Sovereign Knight 6/7 A-C Receiver, complete with genuine Farrand Magnetic Cone Speaker built-in. Accessories for its operation may be selected from the pages of this catalog. Shipping weight, 147 lbs.

No. 9813. List price \$200.00.

YOUR PRICE

\$82⁹⁵

No. 9858. Same as above except equipped with genuine Farrand Dynamic Speaker. Weight, 157 lbs.
Retail list, \$230.00.
YOUR PRICE..... \$96.95



**MAKE THE SOVEREIGN YOUR
FEATURE RECEIVER FOR 1929**

The MONTROSE A.C. ALL ELECTRIC Knight 6-7

HERE we present a rare combination of unusual features in a console receiver. The beautiful velvety green panel embellished with antique bronzed Chinese design escutcheon plates is in perfect balance with the beautiful silk-backed grill, which accommodates a genuine Farrand Magnetic Cone Speaker. It features real A-C humless operation, and offers you unusual perfection in radio.

TONE QUALITY

The use of power tube equipment in the Knight 6/7 Circuit provides remarkable volume and quality, without distortion or hum of any kind. You will marvel at its richness and timbre; at the remarkable fidelity with which it reproduces both music and voice.

BEAUTIFUL CONSOLE

Console stands 41 in. high, 25 in. wide, and 14 1/2 in. deep. Attractive two-tone lacquer finish, rubbed to a soft dull gleam, giving the wood an exquisite texture, and retaining all the natural beauty of the grain of the wood. Rigidly constructed and good for a lifetime of service.

DISTANCE and VOLUME

The perfect balancing and matching of parts in the construction of the Knight Circuit results in a distance range that will astound you. Far away stations come in like locals. Power tube equipment imparts a tone quality and volume far in excess of normal requirements. Unusual sensitivity assures remarkable distance range, while the built-in Farrand Magnetic Cone Speaker reproduces both music and voice with fidelity. You will marvel at its efficiency and its ease of tuning.

Illuminated Drum—1 Dial

Beautiful illuminated drum dial provides perfect control. As the drum is rotated, station after station will come in with overwhelming tone quality and volume. You will find real pleasure in tuning the Montrose Receiver.

Beautiful illuminated drum dial provides perfect control. As the drum is rotated, station after station will come in with overwhelming tone quality and volume. You will find real pleasure in tuning the Montrose Receiver.

\$53⁹⁵

Shielding—Illuminated Drum—Powerful—Selective

THE FAMOUS KNIGHT ELECTRIC CIRCUIT

IN Knight 6/7 Receivers a total of seven tubes are employed. Three stages of radio frequency, detector and two stages of audio frequency. The power plant is of ample design, providing a wide safety factor, and employs one type X280 rectifier tube. It is equipped with a high-low switch, adapting it to fluctuations in the A-C line voltage. Only the finest parts are used in the construction of the Knight Chassis. Careful testing during manufacture, and perfect balancing on completion assures you of the utmost quality. Description of Chassis will be found on Page 4. Operates on 105 to 120 volt, 50.60 cycle, A-C current.

SET ONLY

The Montrose A-C Knight 6/7 Tube Receiver as described and illustrated, with genuine Farrand Magnetic Cone Speaker built-in. Tubes and aerial equipment for its operation can be selected from the large variety shown in this catalog. Shipping weight, 135 lbs.

No. 9817. List price, \$135
YOUR PRICE.....

\$53⁹⁵

COMPLETE WITH ACCESSORIES

Here you are offered the Montrose A-C Knight 6/7 Receiver, complete with all necessary accessories. Equipment includes Farrand Magnetic Cone Speaker, 4 type X226 A-C Tubes, one type Y227 Detector Tube, one type X171A Power Tube, and one type X280 Rectifier Tube; along with all necessary aerial and ground equipment. Shipping weight, 145 lbs.
No. 9848. List value, \$60.00. YOUR PRICE.....

\$64⁹⁵

FARRAND SPEAKER

This famous Farrand Magnetic Cone Speaker is built-in as standard equipment in the Montrose Receiver. It is recognized as the ultimate in Magnetic Cone Speaker construction. Proof of its wonderful performance is found in a perfect rendition of the crescendo, of the symphony and refined shading of the overtones of the violin, and bass viol.

WONDERFUL TONE — AMPLE VOLUME

The Farrand Magnetic Cone Speaker is designed to carry unlimited volume and to reproduce faithfully all of the various tones in the musical scale. They are equipped with a new type driving unit, that assures faithfulness in reproduction. Comparative tests will quickly convince you of the Farrand superiority.



Radio's most Beautiful Console Set **CANTERBURY** A-C ELECTRIC **Knight 6-7**

WONDERFUL TONE QUALITY

THOSE who desire tone quality above everything else, will delight in the performance of the Canterbury Knight 6/7. Its wonderful tone quality, soft and mellow, yet offering ample volume for all needs is combined with remarkable selectivity, unusual sensitivity, and remarkable distance range. For 105 to 120 volt, 50-60 cycle A-C Current.

THE CONSOLE BEAUTIFUL

The beautiful Canterbury Console is substantially constructed of carefully selected and matched genuine walnut woods, with attractive scroll design over-lays on the doors. The attractively turned legs are substantially reinforced by a beautiful ornamented stretcher, imparting unusual rigidity to the console. Hand-rubbed and beautifully shaded—lacquer finish.

FOR YOUR FINEST TRADE

Your better trade will be quick to appreciate the many advantageous features of the Canterbury Knight 6/7. Its striking appearance, coupled with its wonderful tone quality—real A-C operation, distance range, selectivity, and power, is sure to please the most critical. Its dignified attractive design adapts it for use in the most finely furnished homes, while its beautiful two-tone finish will harmonize with any type of furnishings. Stands 62 in. high, 28 in. wide, 18 in. deep.

FARRAND SPEAKER—BUILT-IN

The Canterbury comes to you equipped with the famous Farrand Magnetic Cone Speaker that has earned for itself such an enviable reputation for quality. It covers the entire musical scale, from the lowest to the highest notes, with remarkable fidelity. Its soft, mellow tone quality will prove a revelation to you in true tonal reproduction.



FAMOUS KNIGHT 6/7 CIRCUIT

In the Knight 6/7 Circuit, you will find incorporated the most advanced features in radio construction that modern engineering has produced. Three stages of tuned radio frequency assure remarkable distance range. Employs new type Y-227 5-prong, A-C Detector Tube. Two stages of audio amplification employing a power tube, assures remarkable tone quality and volume.

POWERFUL—SELECTIVE

Perfect design, coupled with advanced engineering principles, imparts to the Knight Circuit unusual selectivity. It is adaptable for use in the most congested broadcasting districts. The remarkable sensitivity of the Knight Circuit assures wonderful distance range. The one-dial illuminated drum control simplifies tuning.

SET ONLY

The Canterbury Knight 6/7 is here offered for A-C operation complete with the Knight 6/7 Chassis, built-in Farrand Speaker, and beautiful console as illustrated above. Shpg. wt., 145 lbs. No. 9815. List price, \$160.

YOUR PRICE

\$74⁴⁵

No. 9938. Same as above, except equipped with a genuine Farrand 110-Volt A-C Dynamic Speaker. Shipping weight, 155 lbs.

\$88⁴⁵

Complete—Ready to Operate

Equipment includes 4 type X226 A-C Tubes, 1 type Y-227 Detector Tube, 1 type 171 Power Tube, and 1 type X280 Rectifier Tube; along with all necessary aerial and ground equipment. Total weight, 155 lbs.

No. 9816. List value, \$190.00.

YOUR PRICE

\$86⁴⁵

No. 9939. With all accessories same as above, except equipped with a genuine Farrand Dynamic Cone Speaker. Shpg. wt., 165 lbs.

\$99⁵⁰



Knight A-C Electric Chassis

8-9

SINGLE illuminated drum control. Only one tuning control centered on the bronze escutcheon plate for symmetrical beauty. The small knob to the left of the illuminated drum, switches the set on or off. The right hand knob controls volume.



PUSH-PULL AUDIO
Push-pull power amplification employing two power tubes assures tremendous volume, and true tonal reproduction in this famous chassis.

List \$100
\$45⁰⁰
NET

The Knight 8/9 A-C Circuit
The Knight 8/9 Circuit presents the ideal combination of features for perfect radio reception. The circuit employs a total of nine tubes as follows: One stage untuned radio frequency, two stages of tuned radio frequency amplification, one tuned radio frequency detector stage, one tuned transformer stage, one coupled audio frequency, one stage of bass reproducing push-pull power amplification, employing power tubes. The power Rectifier Tube. The perfect matching of parts and the attention, assures unusual perfection in the Knight 8/9 A-C Circuit.

ALL ELECTRIC OPERATION — NO HUM — PUSH-PULL AUDIO

IN the Knight 8/9 A-C All-Electric Receiver you will find your ideal in performance. Unusual selectivity insures extreme distance range. Perfect balancing of the radio frequency circuit, coupled with efficient shielding, assures unusual selectivity. The use of push-pull power audio amplification in the audio circuit assures remarkable tone quality and tremendous volume. The all-metal velvety-green finished panel, with its beautiful Chinese escutcheon plates, contains only three knobs. The beautiful illuminated drum dial provides perfect control, and permits unusually fine tuning, due to its vernier construction. The chassis proper is die formed in one piece of 16-gauge metal, heavily cadmium plated. For operation on 105 to 120 volt, 50-60 cycle A-C current.

SENSITIVE — SELECTIVE

The tremendous power, unusual selectivity, and remarkable sensitivity of the Knight A-C 8/9 All-Electric Circuit adapts it for use in the most congested broadcasting districts. Its simplified tuning, remarkable distance range, and freedom from critical adjustments, establishes a new standard in radio performance. Its remarkable tone quality and tremendous volume, is the delight of all who hear it.

CHASSIS AS ILLUSTRATED

For dealers who desire to feature their own receiver, the Knight 8/9 A-C Chassis is offered. Furnished with an 8x18 in. panel, it is readily adaptable for use in practically any console. A console for this chassis may be selected from the large variety shown in this catalog. Shipping weight, 70 lbs. No. 9852. List price, \$100.00.

45⁰⁰

HOUSED IN BEAUTIFUL CONSOLE CABINETS

On the following pages, the Knight 8/9 A-C All-Electric Chassis is offered in a wide variety of modern and attractively designed and finished consoles. Equipped with both Dynamic and Magnetic Speakers. Your trade will be quick to appreciate them.

YOUR FEATURE RADIO SET FOR 1929

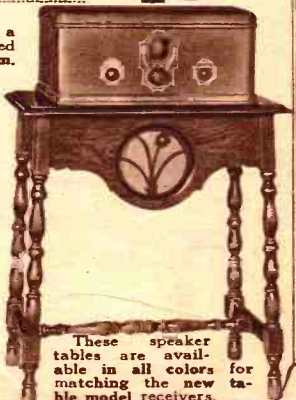
You are urged to order a Knight Chassis for use as a demonstrator. Knight Receivers are built for service. They offer maximum performance at a minimum price, and stand forth as one of the season's greatest values in A-C Receivers.

COLORED SPEAKER TABLES

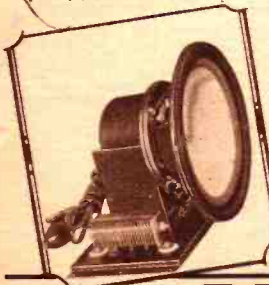
These beautiful tables are designed especially for use with Knight Receivers. Finished in an attractive Walnut, Chinese Red, or Chinese Green, and equipped with the famous Farrand Speakers, they form the ideal combination for table model receivers. A more complete description of these beautiful speaker tables will be found on Page 23.

FARRAND SPEAKERS

In all console models of the Knight Receivers, Farrand Speakers are standard equipment. Their wonderful tone quality, extremely wide musical range, and remarkable volume carrying capacity make them the ideal speaker for use with Knight Receivers. They are available in both the Magnetic Cone, and Power Dynamic Cone Speaker Types. A full description of the speaker chassis will be found on Page 137.

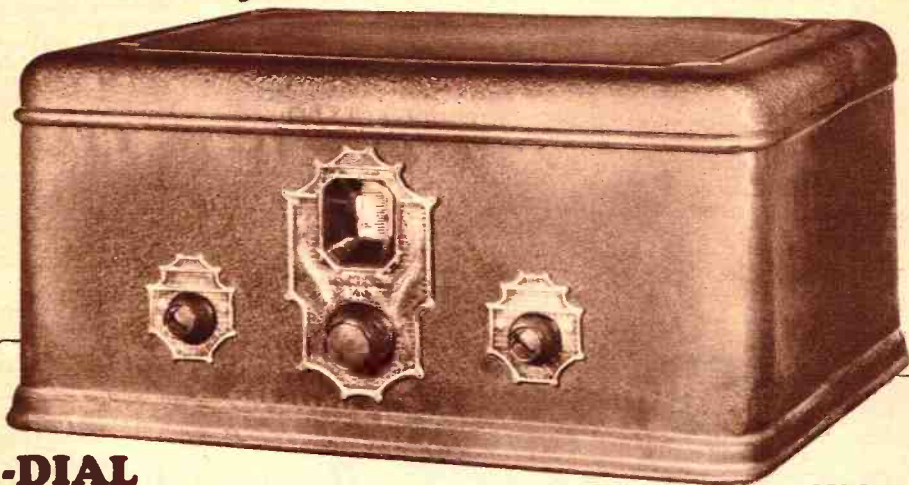


These speaker tables are available in all colors for matching the new table model receivers.



ARMORED BATTLESHIP

Senior A-C-8-9 Knight Electric



1-DIAL SINGLE CONTROL - ILLUMINATED DRUM

THE famous Knight 8/9 A-C All-Electric Circuit is here offered in a beautiful table model cabinet that is in strict keeping with the modern trend in radio. The big handsome cabinet measures 19½ in. long, 12½ in. wide, and 8¾ in. high. It offers you the utmost in radio efficiency, at a price far below its actual value. Its remarkable distance range, and unusual selectivity are found only in the highest priced receivers. Push-pull amplification, employing power tubes, assure remarkable fidelity and mellowness of tone with ample volume for all requirements. Only the finest parts are used in its construction.

\$49⁵⁰

WONDERFUL TONE
Push-pull amplification such as is employed in the Knight 8/9 Circuit, has long been recognized as radio's finest amplifying system. Its enviable reputation is due to its remarkable tone quality, freedom from distortion, and tremendous volume.

COLORED CABINETS
The Senior A-C 8/9 Receiver is available in either a brown bronze cabinet, a Chinese red, or Chinese green finish. They add a touch of brightness to any room, in which they may be placed. All metal construction assures unusual rigidity.

PUSH-PULL AUDIO
Push-pull power amplification. The extreme sensitiveness assures wonderful tone, and ease of tuning on distant stations. The beautiful Chinese design escutcheon plates, with the attractive illuminated drum dial, presents a rich, striking appearance.

Set - With Accessories

Equipment includes 5 type X226 A-C tubes, one type Y227 detector tube, two type X171A power tubes, one type X280 rectifier tube and complete aerial kit.

No. 9839. Brown Bronze.

No. 9847. Chinese Green.

No. 9843.

Chinese Red.

List. \$140.00.

YOUR PRICE.

\$64²⁵

THE KNIGHT 8/9 A-C CIRCUIT

Offers genuine A-C operation, without the use of batteries, eliminators, etc. Draws all necessary power direct from the electric light socket. Circuit employs a total of nine tubes, as follows: Three stages of radio frequency amplification, one tuned radio frequency detector stage, two transformer coupled audio stages, and one push-pull power audio amplification stage, employing power tubes. Operates on 105-120 volts, 50, 60 cycle A-C current. The large size power plant is built-in on the sub-chassis of the receiver. See page 12 for chassis description.

SET ONLY

Here the Senior A-C 8/9 All-Electric Receiver is offered, as illustrated above. Accessories not included. An exceptional value at the low price quoted. Shipping weight, 65 lbs.

No. 9838. Brown Bronze.

No. 9842. Chinese Red.

No. 9846. Chinese Green.

List. \$110.00.

YOUR PRICE.

\$49⁵⁰

WITH MAGNETIC CONE SPEAKER TABLE AND ALL ACCESSORIES

The famous Senior A-C 8/9 Receiver along with an attractive speaker table, as illustrated on Page 12, equipped with a genuine Farrand Magnetic Cone is here offered at a price that defies all competition. Accessories include 5 type X-226 A-C tubes, one type Y-227 detector tube, 2 type X-171A power tubes and 1 type X-280 rectifier tube along with aerial kit. See page 23 for description of speaker table.

No. 9840. Brown Bronze.

No. 9844. Chinese Red.

No. 9848. Chinese Green.

List. \$170.00. YOUR PRICE...

\$81⁷⁵

WITH DYNAMIC SPEAKER TABLE AND ALL ACCESSORIES

Here the Senior A-C 8/9 is offered complete with speaker table and genuine Farrand Dynamic Speaker, and all necessary accessories for its operation. Equipment includes 5 type X-226 A-C tubes, 1 type Y-227 detector tube, 2 type 171 power tubes, and 1 type X-280 rectifier tube, along with all necessary ground and aerial equipment.

No. 9841. Brown Bronze.

No. 9845. Chinese Red.

No. 9849. Chinese Green.

List. \$210.00. YOUR PRICE...

\$95⁷⁵

SHIELDED CONSTRUCTION

AMBASSADOR

Here's Real Quality In Radio!—A FEATURE SET



List Price \$250.00
YOUR PRICE
\$107⁵⁰

THE BEAUTIFUL AMBASSADOR CONSOLE

Console of genuine walnut. Doors are faced with fancy matched butt walnut, attractively over-laid with well figured scrolled maple, and heavy shaded mouldings. Console stands 52 in. high, 33½ in. wide, and 18½ in. deep. The beauty of the walnut burls and the attractive way they are butt matched, imparts unusual richness and dignity in appearance. Beautiful turned and fluted legs, with ornamental stretcher. A convenient drop-door is arranged for tools, log books, etc. Suited for any setting.

BUILT-IN FARRAND SPEAKERS

In keeping with the high quality of the Ambassador Knight Receiver, genuine Farrand Speakers are built-in as standard equipment. The enviable reputation of Farrand, in the manufacture of speakers, makes them a worthy companion to the Knight Circuit. They further enhance the wonderful tone quality and volume that the push-pull audio in the Knight Circuit produces. They cover with remarkable fidelity the entire audible scale, from the lowest to the highest notes. A complete description of these famous speakers will be found on Page 137.

YOUR PRICE
\$107⁵⁰

THE dealer who desires the finest in radio performance and appearance, will do well to feature the Ambassador A-C Knight 8/9 Receiver. The unusual beauty of its console, coupled with the remarkable performance of the Knight Circuit, and genuine Farrand Speaker makes it one of the outstanding radio values of the season. It offers unusual power, remarkable sensitivity, extreme distance range, and unusual tone volume.

A-C OPERATION

The modern demand for A-C Operation finds its answer in Knight 8/9 A-C Circuit. Just plug it into the electric light socket, and it is ready for operation. No batteries, no charge eliminators. Perfect engineering has eliminated all hum, producing remarkable tone quality and volume, without a trace of extraneous noises. Operates on 105-120 volt 50-60 cycle A-C current

*The most Beautiful
Walnut Console*

DISTANCE AND VOLUME

The tremendous distance range of the Knight 8/9 is the result of perfect engineering and the use of only the highest quality parts in its construction. Rigid inspections and careful tests during manufacture, finds its culmination in the perfect balancing of the finished receiver, assuring tremendous sensitivity and unusual selectivity.

*Power Amplification
Skyscraper Construction*

EFFICIENT SHIELDING

The shielded construction of the Knight Circuit assures unusual selectivity, and a total freedom from critical adjustments. It is adaptable for use in the most congested broadcasting districts. Eliminating the over-lapping of stations, and providing perfect separation in reception.

REAL DISTANCE RANGE

You will marvel at the unusual sensitivity of the Knight 8/9 A-C Circuit. The faintest radio impulses are picked up and amplified to loud speaker volume, with an ease that will surprise you. The beautiful illuminated drum control is of the vernier type, permitting extremely fine tuning. As the drum is rotated, station after station will come in, with remarkable volume and clarity.

A.C. Knight 8-9

The Ambassador of Knight Quality

THE remarkable performance of the Knight A-C 8/9 Chassis, coupled with the extreme beauty of the genuine Walnut Console, with its remarkable speaker equipment, makes this model the Ambassador of Knight Quality. In the designing of the Ambassador, nothing has been overlooked in making it one of the finest receivers available on the market today. It has nine tubes, and provides a reservoir of power, capable of and equal to the most unusual conditions. Three stages of radio frequency provides unusual selectivity and distance-getting ability. One dial control makes for ease in tuning and simplifies the operation of the set. Its outward appearance will instantly commend it to those critical buyers who want the best, regardless of price.

BEAUTIFUL CHINESE DESIGN

The beautiful Gold Bronze Chinese design escutcheon plates further enhance the beautiful appearance of the Ambassador Console. Mounted on a soft Velvety Green Metal Panel, with deeply drawn aperture to meet the translucent calibrated scale of the drum dial, which is brightly illuminated from the back, making it possible to operate the receiver in the dark, as well as in the light.



*A Masterpiece of
Cabinet-makers Art*

PERFECT CONTROL SINGLE DIAL ILLUMINATED DRUM

The single control illuminated drum is die cast of aluminum. It is provided with a special stop feature preventing backlash, or slipping of the drum on condenser shaft. Its unique design provides a 3 to 1 ratio, permitting exceptionally fine tuning. The illuminated drum acts as a pilot light, indicating when the set is turned on or off.

*Performance-Selectivity
Tone Quality Deluxe*

EMPLOYS THE NEW A-C TUBES

The Knight 8/9 A-C All-Electric Receiver employs the new A-C Tubes. The A-C Tube today stands out as the crowning achievement of radio, eliminating messy batteries, chargers, etc., and providing the utmost convenience in operation. For 105 to 120-volt, 50-60-cycle A-C current.

NO BATTERIES—NO HUM

The power plant of the Knight 8/9 A-C Circuit provides an unusually wide safety factor. It is equipped with a High-Low Switch adapting it to normal fluctuations in line current. Its ample size and design assures long life without breakdowns. A complete description of this chassis will be found on Page 12.

TREMENDOUS VOLUME

The ability of a receiver to pick up distant stations is not the only test of its superiority. Tone quality is all important. One of radio's greatest reproducing systems is used in the Knight 8/9 Circuit—push-pull amplification with power tubes. Push-pull power audio offers tremendous volume without distortion, yet under perfect control from a soft whisper to the full round volume of a large orchestra. Genuine Farrand Speaker equipment tends to further enhance the remarkable output of the Ambassador Receiver.

SENSITIVE SELECTIVE

You will marvel at the unusual selectivity of the Knight 8/9 Circuit. Perfectly designed and assembled by experts, it offers you in the complete receiver, not only unusual sensitivity, but remarkable selectivity as well. This, coupled with the soft mellow tone quality produced in the Ambassador Model provides a combination that you better trade will be quick to appreciate.

SET ONLY WITH MAGNETIC CONE

The Ambassador Model A-C Knight 8/9 is here offered in its beautiful Walnut Console equipped with a genuine Farrand Magnetic Type Cone Speaker. A complete description of this remarkable speaker will be found on Page 137. Tubes, aerial and ground equipment not included. Shipping weight, 157 lbs. No. 9872. Retail \$250.00.

YOUR PRICE

\$107⁵⁰

COMPLETE WITH ACCESSORIES AND MAGNETIC CONE SPEAKER

Complete outfit consisting of the Ambassador Receiver as described. Equipped with Farrand Magnetic Cone Speaker, along with 5 Type 226 A-C Tubes, 1 Type Y-227 Detector Tube, 2 Type 171 Power Tubes, 1 Type X-280 and all aerial and ground equipment. Shpg. wt., 165 lbs. No. 9873. Retail, \$281.00.

YOUR PRICE

\$122²⁵

SET ONLY WITH DYNAMIC CONE

Here the beautiful Ambassador Model Knight 8/9 A-C Receiver is offered equipped with a genuine 110-Volt A-C Type Farrand Dynamic Power Cone Speaker. Accessories for the operation of the receiver are not included. A complete description of this famous Farrand Dynamic Speaker will be found on Page 137. Shipping weight, 172 lbs. No. 9874. Retail, \$300.00.

YOUR PRICE

\$121⁵⁰

COMPLETE WITH ACCESSORIES AND DYNAMIC CONE SPEAKER

Ambassador Model Knight 8/9 A-C Receiver with genuine Farrand Dynamic Cone Speaker, and accessories consisting of 5 Type X-226 A-C Tubes, 1 Type 227 A-C Detector Tube, 2 Type 171 Power Tubes, 1 Type X-280 and aerial and ground equipment. Shpg. wt., 178 lbs. No. 9875. Retail, \$331.00.

YOUR PRICE

\$136²⁵

The MARQUIS

Knigh Electric

Powerful—Sensitive—Selective

THE old standard of radio, good as it was supposed to be, is now discarded. The Marquis A-C Knight All-Electric Receiver is establishing a new standard for radio. Its performance is astounding. Three stages of radio frequency, perfectly balanced, provides a sensitiveness that brings in the most distant stations with remarkable ease. Push-pull audio amplification—now acknowledged as radio's finest amplification system, is standard equipment in all Knight 8/9 Models. It provides a purity of tone that can only be compared to the original rendition, while the use of two power amplifying tubes assures you of ample volume for all occasions. In the Marquis Receiver, you are getting features that today are found only in the highest priced sets—yet the Marquis is offered you at a surprisingly low price—made possible through modern production methods and tremendous volume.

SHIELDED SKYSCRAPER CONSTRUCTION

The Knight Chassis is die formed in one piece of 16-gauge metal, and heavily cadmium plated to increase its conductivity to radio frequency currents, and permit the highest radio frequency gain obtainable. Strong enough to withstand a weight of 300 pounds. Ample reinforcement provides a wide safety factor assuring long, durable, trouble free humless operation. Efficient shielding provides unusual selectivity, and this coupled with its unusual sensitivity and remarkable tone quality, assures you of the utmost in radio satisfaction.

PERFECTLY BALANCED

The unusual efficiency of the Knight 8/9 Circuit is due in no small measure to the extreme care exercised in the perfect matching of parts and careful balancing of the receiver. Factory balanced and sealed, no further adjustments are required when you receive it, assuring you of 100% efficient operation.

CAREFULLY MATCHED PARTS

Only the finest parts are used in the construction of the Knight Circuit. Each part, before assembly, is carefully tested for both its electrical and mechanical characteristics, assuring remarkable perfection in the completed Knight Chassis.

NEW LOW LOSS COIL DESIGN

The radio frequency coils are of the new Low-Loss design, being made of enameled wire space wound on special Bakelite tubing of exact size, permitting absolute matching and eliminating variation due to moisture absorption, or other climatic conditions. Each set of coils are hand matched and calibrated to assure peak efficiency in each Knight Receiver turned out.

PUSH-PULL POWER AUDIO

Realizing the modern demand for better tone in addition to distance getting ability, Allied engineers in designing the Knight 8/9 Circuit incorporated push-pull audio amplification employing power tubes. The use of two power tubes precludes the possibility of distortion, regardless of volume. Its assurance to the man who knows radio is that Knight-8/9 A-C is all we claim it.

PANEL IN CHINESE DESIGN

Equipped with a soft velvety green colored metal panel, with beautiful gold bronzed Chinese design escutcheon plates and appointments. The beautiful panel is exceptionally well balanced and symmetrical in appearance. It is in strict keeping with the high quality of the Knight Receiver throughout.

A MASTERPIECE OF RADIO

Your trade will be quick to appreciate the many advantageous features of real A-C Operation as offered in the Marquis A-C Receiver. Its extreme sensitiveness, unusual selectivity, tremendous power, and unusual tone and volume, coupled with the outstanding beauty of its genuine walnut console, will win the instant admiration of all who see it. You will marvel that such unusual value can be offered at so low a price.



FARRAND SPEAKER

In keeping with the quality output of the push-pull amplifying system, in the Marquis Knight Receiver, genuine Farrand Speakers are built-in as standard equipment.

No. 9860, Marquis 8/9 All-Electric

Your Price **\$97⁰⁰**

See opposite page for Marquis 8/9 fully equipped at an astounding low price

THE BEAUTIFUL CONSOLE OF GENUINE WALNUT

THE beautiful Marquis Console is constructed of only the most carefully selected woods. The case is of genuine black walnut, and fine American gum woods. The front and side panels are of matched butt walnut. The sliding disappearing doors are of matched butt walnut trimmed with antique brass hardware. Finished in a fine high-lighted shaded and rubbed lacquer.

NEW DESIGN SLIDING DOORS

A unique feature of the Marquis Console is the design of its doors. They slide back into the console itself, permitting its being placed in any snug corner without fear of damage to the doors. The console stands 50 in. high, measures 27 1/2 in. wide, and 17 in. deep. A beautiful silk backed grill covers the speaker compartment, while an attractively designed wood panel sets off the chassis in unusual style.

A-C 8-9

ALL ELECTRIC

EMPLOYING the new A-C tubes, the Marquis A-C Knight 8/9 offers you real A-C operation. Just plug it into the electric light socket, and it is ready to operate. No messy batteries or chargers and no bothersome eliminators to adjust. The dependability of your electric light current becomes the dependability of your radio receiver, assuring consistent performance.

No Hum

In the Knight 8/9 A-C Chassis, the power plant which is built in as an integral part of the unit, is of ample size and capacity, providing a wide safety factor. Its large over-size filtering system assures a total freedom from hum, while a convenient high-low switch adapts it to variations in line voltages.

Selective

Efficient shielding in the Knight 8/9 Circuit, assures unusual selectivity and freedom from critical adjustments. Its remarkable sensitivity permits unusual distance range.

CONSOLE BEAUTIFUL!

The beautiful Marquis Console will prove the instant delight of all who appreciate good furniture. Its beautiful matched butt walnut front and inside panels, coupled with the attractively designed disappearing doors of diamond matched walnut, stamps it as a gem of the cabinet makers art. Its antique brass hardware trimmings, along with its durable high-lighted, shaded and hand-rubbed lacquer finish, offers you the utmost in radio furniture. The console stands 50 in. high, measures 27 1/2 in. wide, by 17 in. deep.

SET ONLY WITH FARRAND CONE

The beautiful Marquis Receiver, with its genuine walnut console, and the famous Knight A-C All-Electric 8/9 Circuit, is here offered equipped with a genuine Farrand Magnetic Type Cone Speaker. Complete descriptions of speaker and chassis will be found on Pages 12 and 13. Shpg. wt., 155 lbs. **\$97⁰⁰**
No. 9860. List price, \$210.00.
YOUR PRICE.....

COMPLETE WITH ACCESSORIES AND FARRAND MAGNETIC CONE

Here you are offered the complete Marquis Receiver, along with all necessary accessories for its operation. Equipment includes 5 type X-226 A-C tubes, 1 type Y-227 detector tube, 2 type X-171 power tubes, 1 type X280 rectifier tube; along with all necessary aerial and ground equipment. An exceptional value at the low price quoted. Shipping weight.

160 lbs. **\$111⁷⁵**
No. 9861. List price, \$240.00.
YOUR PRICE.....



\$97⁰⁰

WONDERFUL TONE AND VOLUME

Available with genuine Farrand Speakers of either the Magnetic Cone, or Power Dynamic Types. The ability of a receiver to pick-up distant stations, is not the only test of its quality. Tone and volume are also an important factor. The use of push-pull audio amplification in the Knight Circuit employing power tubes, provides tone quality that is surprising in its fidelity, with a volume that is far in excess of all normal needs. The genuine Farrand Speakers, due to their wide range and capacity, are ideal for the Knight Circuit. Receiver operates on 105-120 volts, 50-60 cycle A-C current.

SET WITH FARRAND DYNAMIC

Equipped with a Farrand 110-volt, A-C type Power Dynamic Speaker. This receiver offers the ideal combination for critical buyers who desire the best, regardless of price. It offers the utmost in radio efficiency, and the price quoted is far below its actual value. Shipping weight, 170 lbs. **\$111⁰⁰**
No. 9862. List price, \$260.00.
YOUR PRICE.....

COMPLETE WITH ACCESSORIES AND FARRAND DYNAMIC CONE

Here the Marquis is offered complete with all accessories, including a genuine Farrand Dynamic Power Speaker, ready to operate. Accessories include 5 type X-226 A-C tubes, 1 type Y-227 A-C detector tube, 2 type 171 power tubes and 1 type X280 rectifier tube, along with all necessary aerial and ground equipment. Highly recommended. Shipping weight,

174 lbs. **\$125⁷⁵**
No. 9863. List price, \$290.00.
YOUR PRICE.....

The Venetian Knight 8-9 A-C Electric

YOUR RADIO IDEAL

EVERYTHING that you look for in a radio receiver, is offered in this beautiful Venetian Knight 8/9 A-C Electric Model. Beautiful genuine walnut two-tone console, with its exquisite scroll design overlays and ornamental stretcher. The Knight Circuit offers you the convenience of real A-C operation; drawing all its power from the electric light socket. Its tremendous reserve power, unusual sensitivity, and remarkable selectivity are combined with one of radio's greatest audio amplifying systems—employing power tubes. Push-pull audio offers you the utmost in tone quality, and provides a volume far in excess of normal home requirements. Equipped with genuine Farrand Speakers, the Venetian offers you exceptional tone quality—soft, mellow—and with such realism that it will carry you back to the broadcasting station.

SHIELDED CONSTRUCTION

Efficient shielding of Knight 8/9 Circuit, assures unusual selectivity and extreme distance range. Perfect design, takes from each tube its full efficient capacity and provides a reserve of power that will surprise you.

PUSH-PULL POWER AUDIO

Two power tubes in the Knight Push-Pull Audio System assures tremendous volume, and true tonal reproduction. The low notes of the musical scale, so long missing in radio reproduction, are saved with their full value in the Knight 8/9 Circuit. Its tremendous volume is under instant control from a whisper to the full round volume required in a large hall.

DRUM CONTROL

As the beautiful illuminated drum dial is rotated, station after station will come in, with unusual quality and surprising ease. Its simplified tuning, coupled with its tremendous power, is establishing new standards for radio performance.



LIST \$200.00

\$84⁵⁰

Your Price

POWERFUL

Efficient design in the Knight 8/9 Circuit, results in a reserve of power, that will astound you. The ease with which distant stations are brought in, the way it cuts right through the locals; will quickly convince you of its quality.

KNIGHT 8/9 A-C ELECTRIC CIRCUIT

The Knight 8/9 A-C Electric Circuit employs a total of nine tubes. Circuit consists of 1 stage untuned radio frequency amplification, 2 stages of tuned radio frequency amplification, 1 tuned radio frequency detector stage, 2 stages transformer coupled audio frequency amplification, and 1 stage push-pull amplification employing power tubes. Expertly assembled and efficiently designed. It offers you the utmost in radio performance. Operates on 105-120 volts, 50-60 cycle, A-C current.

GENUINE WALNUT CONSOLE

The exquisite Venetian Console is the design of artists. Beautiful lines and graceful proportions. The attractive burl walnut front doors are beautifully embellished with a scroll maple overlay. Stands 54 in. high, by 29 in. wide, by 18 1/2 in. deep. Its attractively turned legs and ornamented cross stretcher imparts unusual rigidity. Hand-rubbed lacquer finish brings out the beautiful walnut grain.

Set Only With Farrand Cone Speaker

The beautiful Venetian Model, equipped with a genuine Farrand Cone Speaker, is offered at a price far below its actual value. A complete description of the famous Knight 8/9 Chassis will be found on Page 12. Shipping weight, 145 lbs.

No. 9864. List price, \$200.00 YOUR PRICE...

\$84⁵⁰

Set with Accessories & Cone Speaker

Complete with a Farrand Cone Speaker, and all necessary accessories for its operation. Equipment includes 5 Type X-226 A-C Tubes, 1 Type Y-227 Detector Tube, 2 Type X171A Power Tubes, and 1 Type X280 Rectifier Tube, along with all necessary aerial and ground equipment. Shipping weight, 149 lbs.

No. 9865. List value, \$231.00 YOUR PRICE.....

\$99²⁵

Set only with Farrand Dynamic Speaker

Equipped with a genuine Farrand 110-volt A-C Type Dynamic Power Cone Speaker. Shipping weight, 162 lbs.

No. 9866. List price, \$240.00. YOUR PRICE....

\$96⁵⁰

Set with Accessories and Dynamic Cone

Complete with Farrand Dynamic Cone and 5 Type X-226 A-C Tubes, 1 Type Y-227 Detector Tube, 2 Type X-171A Power Tubes and 1 Type X-280 Rectifier Tube, along with all necessary aerial and ground equipment. Nothing more required for operation. Shpg. wt., 180 lbs.

No. 9867. List value, \$271.00. YOUR PRICE.....

\$111²⁵



Beauty-Performance-Power-

The Huntington A.C. ALL ELECTRIC Knight 8-9



A FEATURE RADIO SET

THE unusual beauty of the Huntington Console, with its handsome two-tone finish, and attractively designed silk backed grill, coupled with the efficiency of the Knight 8/9 Circuit and genuine Farrand Speaker equipment, stamps it as one of the season's greatest values in an A-C type radio receiver. Its striking appearance, remarkable performance, and wonderful tone quality wins the instant admiration of all who see it.

TONE AND VOLUME

The lover of fine music will quickly appreciate the many superior features of the Huntington. Its soft, mellow tone, covering all audible frequencies, from the lowest to the highest notes, is remarkable in its fidelity. It responds to the faintest impulses of energy, reproducing to full volume the weakest signals from distant stations.

PUSH PULL AMPLIFICATION

Push-pull amplification, long recognized as radio's greatest reproducing system, is used in the Huntington Model. The use of power tubes tends to further enhance the remarkable tone quality and tremendous volume of the Knight Circuit. Push-pull amplification precludes the possibility of distortion, regardless of volume. It provides a 100% safety factor for perfect tone. All of this is offered, along with the convenience of real A-C operation. For 105-120 volts, 50-60 cycle A-C current.

Beautiful Panel

The beautiful gold bronze Chinese design escutcheon plates, mounted on the attractive velvety green panel of the Knight Receiver, lends a touch of harmonious color to any setting. Its finish blends well with the Huntington Console, and is in exceptionally good taste.

SET ONLY WITH MAGNETIC CONE

Here the Huntington Model Knight 8/9 A-C Receiver is offered, equipped with a genuine Farrand Magnetic Cone Type Speaker. A complete description of this remarkable speaker will be found on Page 137. Its unusual beauty, and remarkable performance, assures for it unusual popularity. Shipping weight, 135 lbs. No. 9868. List price, \$160.
YOUR PRICE.

\$71.00

Walnut Console

The Huntington Console is of genuine walnut ply wood construction. Its design is the work of artists; its construction the product of master cabinet craftsmen. Its beautiful hand-rubbed lacquer finish retains all the natural beauty and grain of the selected walnut, that is used in its construction. It will prove a worthy addition to the most finely appointed home.

\$71.00
Net

**THE UTMOST
IN REAL WALNUT
RADIO FURNITURE**

The beautiful Huntington Console stands 41 in. high, measures 25 in. wide by 14 3/4 in. deep. Its beautiful design and graceful proportions, coupled with its exquisite two-tone finish make it a worthy addition to the most finely appointed home. The attractive velvety green panel and beautiful gold bronze Chinese design escutcheon plates, along with the attractively designed silk backed grill, imparts an unusual striking appearance, to the Huntington Receiver. Its low price along with its unusual performance, makes it a real sales leader. The live dealer will be quick to realize its sales possibilities.

KNIGHT 8/9 A. C. CIRCUIT

The Knight 8/9 A-C Circuit employs eight tubes along with one type X280 rectifier tube, for use in its power plant. The circuit consists of 1 stage untuned radio frequency amplification, 2 stages tuned radio frequency amplification, 1 tuned radio frequency detector stage, 2 stages transformer coupled audio frequency amplification, and 1 stage push-pull audio, employing power tubes. A complete description of this remarkable chassis will be found on Page 12.

SET COMPLETE WITH ACCESSORIES —MAGNETIC CONE

Here the Huntington is offered, with Farrand Magnetic Cone, and all necessary accessories for its operation. Accessories include 5 type X-226 A-C tubes, 1 type Y-227 detector, 2 type X-171 power tubes, 1 type X280 rectifier tube, along with all necessary aerial and ground equipment. Everything necessary for its operation is included. Shipping weight, 140 lbs.
No. 9869. List value, \$191.
YOUR PRICE.

\$85.75

SET ONLY WITH DYNAMIC CONE

Here the Huntington Receiver is offered equipped with a genuine Farrand 110-volt A-C type Dynamic Power Cone Speaker. A complete description of this famous speaker will be found on Page 137. It offers the ideal combination for real tone quality, and tremendous volume. Priced far below its actual value. Tubes, aerial and ground equipment not included. Shipping weight, 150 lbs. No. 9870. List price, \$210.
YOUR PRICE.

\$85.00

SHIELDED

The tremendous power, unusual selectivity and sensitivity of the Knight 8/9 is due in no small measure to its shielded construction. Engineered to perfection, it offers you remarkable performance, along with the convenience of real A-C Operation.

SET COMPLETE WITH ACCESSORIES —DYNAMIC CONE

Here the Huntington is offered with all accessories required for its operation, along with a genuine Farrand Dynamic 110-volt A-C type Power Cone Speaker. Equipment includes 5 type X-226 A-C tubes, 1 type Y-227 detector tube, 2 type X-171 power tubes, 1 type X280 rectifier tube, along with all necessary aerial and ground equipment. Shipping weight, 155 lbs.
No. 9871. List value, \$241.90
YOUR PRICE.

\$99.75

NEWCOMBE-HAWLEY SPEAKERS

EQUIPPED WITH DYNAMIC SPEAKERS

A BEAUTIFUL Walnut Reproducing Table equipped with genuine Newcombe-Hawley Dynamic Power Cone Speaker, designed for such sets as the Crosley Jewel Box, Crosley Band Box, Atwater-Kent 37 and 38, Steinite 990, Stewart-Warner 801, Bremer Tully 6-40, and all other popular receivers of similar size. The exceptional tone quality and faithful recreation of tone shadings, which distinguish good music and clear voice articulation, is due to the wonderful Newcombe-Hawley Dynamic Power Cone Unit. Splendid results obtained with Knight Receivers.

GENUINE BEAUTIFULLY GRAINED WALNUT

The attractive design of these tables with their well-balanced, gracefully proportioned silk-backed grills, makes them the ideal housing for these famous Dynamic Speakers. They are of beautiful grained Walnut, attractively finished to harmonize with all interior decorations. Table stands 30 in. high, 23 1/2 in. wide, and 15 1/2 in. deep. The three types provide a reproducer for every need.

No. 9290. Equipped with 6-volt D-C Type Dynamic Power Cone. Shpg. wt., 65 lbs. List, \$70.00.

YOUR PRICE **\$41¹⁶**

No. 9291. Equipped with Dynamic Cone Unit for 100-200 volts D-C. Shpg. wt., 65 lbs. List, \$75.00.

YOUR PRICE **\$44¹⁰**

No. 9292. For 110-115 volts, 60 cycle A-C Operation. Shpg. wt., 68 lbs. List, \$88.00.

YOUR PRICE **\$51⁷⁴**

CONSOLES WITH DYNAMIC SPEAKER

BEAUTIFULLY designed walnut Console Reproducers, equipped with genuine Newcombe-Hawley Dynamic Power Cone Speakers. The smaller size will accommodate sets C17 or 18. Attractively designed and beautifully finished.

CONSOLE 44x13 1/2 x 15 1/2 IN. - SHIPPING WT. 90 LBS.

No. 9293. For sets up to 22 1/2 in. by 3 1/2 in. deep. 6-volt D-C Type Speaker. List, \$80.00.

YOUR PRICE **\$47⁰⁴**

No. 9294. For sets up to 22 1/2 in. by 3 1/2 in. deep. 110-volts A-C Type Dynamic. List, \$98.00.

YOUR PRICE **\$57⁶²**

CONSOLE 40x32 1/2 x 15 1/2 IN. - SHIPPING WT. 100 LBS.

No. 9295. For sets 27 1/2 in. by 8 1/2 in. by 17 1/2 in. deep. 6-volt D-C Type Dynamic. List, \$92.00.

YOUR PRICE **\$54¹⁰**

No. 9296. For sets 27 1/2 in. by 8 1/2 in. by 17 1/2 in. deep. Equipped with 110-volts A-C Type Dynamic Cone. List, \$64.68.

YOUR PRICE **\$64⁶⁸**

COMBINATION RADIO-PHONOGRAPH CONSOLE WITH DYNAMIC SPEAKER

THE Newcombe-Hawley Combination Radio-Phonograph Console enables the owner of any good A-C Radio Receiver to have a high grade electric phonograph at small additional cost and at the same time provide a beautiful cabinet to house the radio receiver, phonograph turntable, pick-up and reproducer. A phonograph turntable with noiseless electric motor of the induction type is included in the console. Equipment includes efficient electrical phonograph pick-up, completely wired, ready for use. The console stands 50 in. high, 32 1/2 in. wide and 19 in. deep. Set compartment measures 29 1/2 in. wide, 10 1/2 in. high, and 16 in. deep. The cabinet work is in fine burl walnut beautifully finished. Equipped with the famous Newcombe-Hawley Dynamic Power Cone Speaker, noted for their remarkable tone quality and tremendous volume carrying capacity. Shipping weight, 160 lbs.

No. 9297. Complete console with equipment as described above, fitted with 100-200-volts D-C Type Power Cone Reproducer. Highly recommended. Retail, \$237.50.

YOUR PRICE **\$139⁶⁵**

No. 9298. Console is all equipped, as described above, along with 100-115-volts, 60 cycle A-C Newcombe-Hawley Dynamic Reproducer. Retail, \$237.50.

YOUR PRICE **\$139⁶⁵**

COMBINATION PHONO-RADIO CONSOLE

AN extremely attractive design in a combination console. Constructed of genuine walnut ply wood. Attractively finished and hand-rubbed. The doors are routed in a well balanced design and embellished with a carved medallion and antique bronze drop door-pulls. The front apron is built in the form of a drawer and houses the phonograph turntable, electric pick-up and tone-arm, while the electric motor is securely mounted underneath. A Cathedral type silk backed grill sets off the large size speaker compartment, measuring 24 1/2 in. wide, 14 in. deep, and 14 in. high.

GENUINE WALNUT TWO TONE FINISH

This beautiful combination console stands 53 in. high, measures 26 1/2 in. wide and 16 in. deep. Attractively finished in durable lacquer. The turned legs and ornamental cross stretcher imparts unusual rigidity to its construction. Set compartment measures 24 1/2 in. wide, 14 in. deep, and 8 1/2 in. high. The spacious drawer below, which houses the phonograph equipment measures 23 in. wide, 4 1/2 in. high, and 14 in. deep.

COMPLETE ELECTRIC PHONO EQUIPMENT

Includes a high grade electric turntable and motor of the induction type. A specially designed tone-arm is supplied along with a high grade electrical pick-up.

CONSOLE ONLY

Console only, as described. No speaker, phonograph equipment or radio set included. Shpg. wt., 100 lbs.

No. 9288. Retail, \$75.00. YOUR PRICE **\$31⁵⁰**

WITH Phone Equipment

This beautiful walnut two-tone finished console with its complete phonograph equipment, as described above is offered at a price far below its actual value. No radio set or speaker included. Shipping wt., 130 lbs. No. 9289. Retail, \$150.00. YOUR PRICE **\$74⁷⁵**



WROUGHT IRON for Modern Radio

WROUGHT IRON RADIO TABLE

The modern trend to Wrought Iron in furniture finds full expression in this attractively finished table. Table stands 27 in. high, top measures 28 1/4 in. by 11 1/4 in. Large enough to accommodate the new sets. Top covered in Spanish Leather Grain Fabrikoid. A convenient shelf across the bottom of the table holds the speaker. Metal work in black and gold. Shipping weight, 40 lbs.

No. 9265. Retail List, \$12.75.
YOUR PRICE **\$7.49**

Metal Table for NEW SETS

An exceptionally well designed metal table, ideal for use with the new sets. The table stands 27 in. high, while its top measures 22 3/4 in. by 12 in. The entire top is of metal in a beautiful scroll design. A bottom shelf provides a space for speaker. Finished in black and gold. Shpg. wt., 45 lbs. No. 9266. Retail, \$12.75.
YOUR PRICE **\$7.49**

UTILITY BENCH

Full padded seat is covered with Yellow Gold and Old Rose Velour, or in a Taupe and Green Velour to match the interior furnishings of the home. The substantial base is of solid rugged construction in an ornamental design.

A REAL PROFIT MAKER

The benches adapt themselves to an endless variety of uses in the home, and they form the ideal bench for use with radio consoles. Bench stands 18 1/2 in. high, top measures 24 1/2 in. by 12 in. Metal work finished in Black and Gold. Shipping weight, 45 lbs.

No. 9267. Yellow Gold and Old Rose Velour. \$5.73
No. 9268. Taupe and Green Velour. Retail, \$9.75.
YOUR PRICE

WROUGHT IRON RADIO BENCH

An attractively designed, beautifully finished radio or utility bench, that will immediately suggest for itself many uses in the home. The attractive full padded seat is finished in a beautifully figured Yellow Gold and Old Rose Velour. The seat measures 24 1/2 in. by 14 in., and is 18 1/2 in. high. The overall height of the stool measures 23 in. Its rigid all-metal construction makes it good for a lifetime of service. The beautiful scroll design sides are finished in Black and Gold. Model No. 450. A feature value. Shipping wt., 50 lbs. No. 9269. Retail List, \$12.25.
YOUR PRICE **\$7.20**

Genuine Walnut TABLES

WALNUT CONSOLE TABLE

A practical and well-designed radio utility table of heavy genuine Walnut. Finished in an attractive light and dark two-tone French Walnut. Its substantial construction with its durable lacquer finish makes it good for a lifetime of service. The table stands 31 in. high, top measures 32 in. long by 18 in. deep.

TWO TONED EXQUISITE DESIGN

The large size of this table makes it adaptable for use with practically all of the new receivers, such as Atwater-Kent, Crosley, Radiolas, etc. Its two front doors open up to a spacious battery compartment of ample size, to house all batteries, eliminators, accessories, etc. Shipped full crated from factory in Southern Indiana, or our Chicago Warehouse. Shipping weight, 80 lbs. No. 9270. Retail list, \$25.00.
YOUR PRICE **\$11.75**

SPEAKER TABLE DE LUXE



A high grade speaker table in genuine Walnut, of unusual design and finish. Table stands 29 in. high, 32 1/2 in. wide, and 14 1/4 in. deep. Ample size for the largest receivers. Speaker table is in Walnut finish with beautiful satin wood frame around the grill. The beautifully shaped rope style legs and ornamented trestler provide unusual rigidity.

TABLE ONLY
No speaker included. Wt., 40 pounds. No. 9281. Retail list, \$27.
YOUR PRICE **\$18.82**

With Farrand Speaker
Complete with Magnetic Cone Speaker. Wt., 45 lbs. No. 9282. List, \$47.50. NET **\$25.82**

With Dynamic Speaker
Genuine Farrand 110-volt A-C type. Wt., 55 lbs. No. 9283. List, \$75.00. NET **\$39.82**

Speaker Consoles & Consolettes

BEAUTIFUL TABLES WITH AIR COLUMN HORNS



EQUIPPED WITH
9 FOOT AIR COLUMN
TONE CHAMBER

Accommodates Any Radio Set

The ample size of this beautiful speaker table adapts it for use with the largest receivers. It stands 33 in. high, measures 34 in. wide and 18 in. deep. It is equipped with a genuine Puropower 9 1/2 ft. exponential type Air Column Horn. The unusual size of this horn, coupled with its correct exponential design, assures the utmost in low note reproduction.

GENUINE FIDELITY UNIT

Standard equipment with this remarkable speaker table is a genuine Fidelity unit, selected for its wonderful volume carrying capacity and unusual tone quality. The speaker compartment measures 23 1/2 in. high, 33 in. wide, and 16 in. deep. An exceptional value at the low price quoted. Shipping weight, 55 lbs. No. 9284. Retail list, \$85.00.

YOUR PRICE

\$34⁰⁰

THE tremendous popularity of the exponential type Air Column Horn has created an unusual demand for quality furniture designed to accommodate these large horns. In these genuine Walnut tables with their Air Column Horn equipment, you are offered the utmost in speaker cabinet construction.

REAL WALNUT

Only the finest carefully selected Walnut is used in the construction of these tables. Their beautiful hand-rubbed lacquer finish retains all the natural beauty of the wood. Their rigid construction and expert workmanship assure for them unusual long life.



GENUINE PUROPOWER

86 INCH EXPONENTIAL HORN

This beautifully finished and attractively designed speaker table is equipped with a Genuine Puropower Horn, having an Air Column length of 86 in. Its ample size and correct acoustical design assures remarkable tone quality, and the faithful reproduction of all low note frequencies.

MARVELOUS TONE QUALITY

The speaker stands 33 in. high, measures 25 1/2 in. wide, and 16 in. deep, providing ample space for the largest receivers. It is equipped with a genuine Fidelity unit that has already earned an enviable reputation for its soft mellow tone quality, and tremendous volume carrying capacity.

Shipping weight 45 lbs. No. 9285. Retail list, \$65.00.

YOUR PRICE

\$26⁰⁰

GENUINE WALNUT SPEAKER TABLES

THE unusual popularity of the new Temple Airchrome Speakers has resulted in the design of these two unique speaker tables, equipped with these famous speakers. Airchrome Speaker construction, with its double diaphragm arrangement and wide frequency response is rapidly earning an enviable reputation for unusual tone quality and volume. The attractive design of the tables with their genuine Walnut construction and durable hand-rubbed lacquer finish, makes them leaders in the speaker table field. Their ample size adapts them for use with practically all of the new receivers. Too much cannot be said about the wonderful tone quality of the genuine Temple Airchrome Speakers, with which they are equipped. They assure you of the utmost in tone quality, along with fine furniture.

Exquisite Design

Only the finest selected Walnut veneers are used in the construction of these speaker tables. Their beautiful finish is hand-rubbed to that soft, dull sheen found only in the finest furniture. They answer the demand of those critical radio buyers, who demand the finest in speaker tables.

AIRCHROME SPEAKERS

The double diaphragm in the Temple Airchrome Speakers assure the utmost in frequency range. The special double action unit with which they are equipped, is self-supported, giving the driving unit free play, resulting in extreme sensitiveness. Their wonderful soft, mellow tone quality is only matched by their tremendous volume carrying capacity.



A GORGEOUS TABLE SPEAKER

Genuine Walnut Veneer Table equipped with Temple Model Z Airchrome Speaker. Table stands 30 1/2 in. high, 24 in. wide, and 14 in. deep. Will accommodate such sets as Crosley, Atwater-Kent, Bosch, Steinite, Shamrock, A-C Dayton, Day-Fan, Standardyne, etc. Shipping weight, 58 lbs. No. 9286. Retail list, \$42.50.

YOUR PRICE

\$24⁹⁹



FOR LARGE RECEIVERS

This remarkable speaker table is designed for the larger size receivers, such as Atwater-Kent 37, or Radiola 18. It is equipped with a genuine Temple Model F Airchrome Speaker, measuring 19 in. by 23 in. The table stands 30 in. high, 29 in. wide, and 15 in. deep. Its attractive finish and beautiful design assure for it unusual popularity. Shipping weight, 65 lbs. No. 9287. Retail list, \$45.00.

YOUR PRICE

\$26⁴⁶

**CHINESE RED
GREEN
IVORY
WALNUT**

**FOR ALL
THE LATEST
RADIO SETS**

THESE beautiful speaker tables are offered in a variety of colors to match the new receiving sets. Their beautiful lacquer finish—unusual design, and rigid construction adapt them for use in any setting. For Radiola, Atwater-Kent, Crosley, Freshman, and all other popular table model sets.

EXQUISITE FINISH

Only the finest durable lacquer, hand-rubbed to a soft dull sheen, is used in finishing these remarkable speaker tables. Available in Natural Walnut, Chinese Red, Chinese Green, or Ivory; they offer an ideal combination for the new receivers.



Farrand Speakers

Equipped with genuine Farrand Speakers, these tables offer the utmost in quality. The wonderful reputation of Farrand in the manufacture of quality speakers reaches a new peak in the design of the Magnetic and Dynamic Power Speaker Chassis with which these tables are equipped. Tables stand 40 in. high and require a floor space of 23 1/2 in. by 17 inches.

\$10⁴⁵
YOUR PRICE

**DYNAMIC MAGNETIC
SPEAKER TABLES** such as

**FARRAND
DYNAMIC**



Farrand Dynamic Power Speakers have earned an enviable reputation for tone quality, and tremendous volume carrying capacity covering the entire audible frequency range with remarkable fidelity. Dynamic Speakers, because of their tremendous volume, are proving extremely popular. Will not chatter or blast, regardless of volume. A complete description of these famous Dynamic Power Speakers will be found on Page 137.

**KNIGHT, ATWATER-KENT, CROSLY
GORGEOUSLY COLORED**

Offered in a variety of colors, they harmonize perfectly with the furnishings in any room.

TABLE ONLY, WITHOUT SPEAKER

For those who DESIRE to SELECT their own speaker, these tables are here offered without speaker equipment. A speaker for them may be SELECTED from the wide variety shown in this catalog. Shipping weight, 45 lbs.

No. 9200. Walnut. No. 9247. Ivory.
No. 9271. Chinese Red.
No. 9275. Chinese Green.
Retail list, \$25.00. YOUR PRICE.....

\$10⁴⁵

TABLE WITH FARRAND SPEAKER

Equipped with a genuine FARRAND MAGNETIC TYPE CONE SPEAKER, as illustrated on the right. The ideal combination for the finest receivers. Shipping weight, 50 lbs.

No. 9201. Walnut. No. 9248. Ivory.
No. 9202. Chinese Red. Retail list, \$30.00.
No. 9203. Chinese Green. YOUR PRICE.....

\$17⁵⁰

WITH FARRAND 6 VOLT DYNAMIC

Table equipped with GENUINE FARRAND 6-VOLT D-C TYPE DYNAMIC SPEAKER for the utmost in tone quality. Shipping weight, 50 lbs.

No. 9245. Walnut. No. 9279. Chinese Green
No. 9249. Ivory. Retail list, \$70.00.
No. 9273. Chinese Red. YOUR PRICE.....

\$29⁷⁵

TABLE WITH FARRAND A-C DYNAMIC

Equipped with GENUINE FARRAND 110-VOLT, 60-CYCLE A-C DYNAMIC SPEAKER, as illustrated at the left. Shipping weight, 50 lbs.

No. 9246. Walnut. No. 9280. Chinese Green.
No. 9250. Ivory. Retail list, \$75.00.
No. 9273. Chinese Red. YOUR PRICE.....

\$32¹⁵



**FARRAND CONE
MAGNETIC
TYPE**

This Magnetic Type Cone Speaker is of remarkable design and performance. Farrand engineers have achieved a new triumph in Cone Speaker construction in the design of this remarkable speaker chassis. Its tone and volume is the delight of all who hear it. See Page 137 for complete description.

Improve Your Set's Appearance



The SUPER DYNAMIC POWER CONE SPEAKER

with Farrand Unit
for **POWER
TONE
VOLUME**

THE FINEST SPEAKER FOR ANY SET

THE tremendous popularity of the Dynamic Speaker is transcending every new development in radio. The modern demand for better tone quality and tremendous volume without distortion finds its answer in the new Dynamic Speakers. An entirely new scientific principle of tone reproduction in the Dynamic achieves extraordinary quality of reproduction. Its remarkable capacity covers the full range of musical and audible frequencies, recreating both the high and low notes with remarkable fidelity. They bring to listening ears a range of tonal beauty that covers the entire musical scale, providing perfect rendition of the crescendo, of the symphony and the fine shading of the overtones of the violin and bass viol.

TONE QUALITY

In the Dynamic Speaker construction the cone shaped diaphragm has a coil winding at the small end. The outer edge is supported by a ring of flexible leather. This mounting permits a perfectly free horizontal movement of the cone, resulting in remarkable fidelity in reproduction.

SENSITIVITY

When the impulses from the radio receiver are conducted through the moving coil of the cone, a reaction occurs between the coil and the magnetic field which causes the cone diaphragm to pulsate in unison with the impulses from the radio receiver, resulting in unusual sensitivity and volume carrying capacity.

REAL VOLUME

Primarily designed for purity of tone the Dynamic offers at the same time unusual volume capacity. It is the ideal speaker for power amplifiers, public address systems, etc., where tremendous volume is required. In the home it offers purity of tone with ample volume for all normal requirements.

DYNAMIC CHASSIS FOR CONSOLE

Here these Famous Farrand Dynamic Speakers are offered in chassis form for use in consoles and as a replacement unit for consoles equipped with speakers of obsolete type. An exceptional value.

6 Volt D-C Type

No. 8446. Chassis only for operation on 6-volt D-C Current. For use with storage battery, etc., on D-C Sets. Shipping weight, 15 lbs. YOUR PRICE

\$19⁷⁰

110 Volt A-C Type

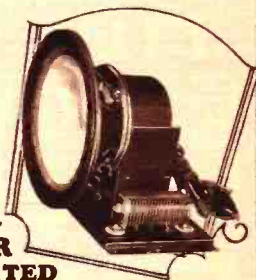
No. 8448. Complete chassis for operation on 110-volt A-C Current. Plugs into the electric light socket. Shipping weight, 18 lbs. YOUR PRICE

\$21⁷⁰

110 Volts D-C Type

No. 8447. Complete chassis for use on 100-200-volt D-C supply. Takes power from 110-volt D-C line, power pack or plate supply. Shipping weight 15 lbs. YOUR PRICE

\$17⁹⁵



CABINET SPEAKER AS ILLUSTRATED

Here the genuine Farrand Dynamic Power Cone Speaker chassis is offered housed in a beautiful genuine walnut cabinet of unusual design. Only the finest grained walnut is used in its construction. The attractive silk-backed grill is gracefully proportioned. Cabinet measures 13 in. high by 14 1/2 in. wide, by 9 1/2 in. deep. Highly recommended for use where unusual tone quality and volume is desired. Its low price should not be confused with its quality. It is acoustically correct.

6 Volt DC Type

No. 8443. For use with any standard battery set using 6-volt storage battery. Shipping wt. 20 lbs. Retail list, \$70.00.

YOUR PRICE

\$30⁵⁰

110 Volt AC Type

No. 8445. For all standard A-C and battery sets whenever 110-volt, 50-60 cycle A-C current is available. Shipping wt. 23 lbs. Retail list, \$75.00.

YOUR PRICE

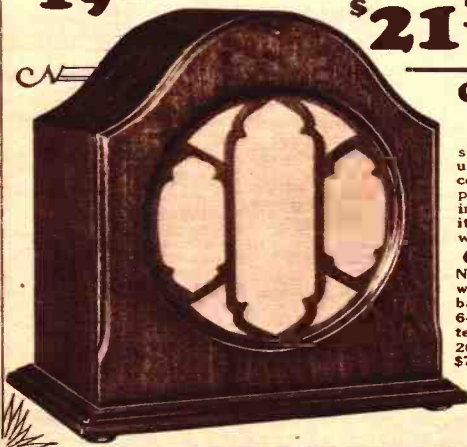
\$32⁵⁰

110 Volt DC Type

No. 8444. For use on 100-200 volt D-C current with sets designed to supply field current or from 110-volt D-C line. Shipping wt. 23 lbs. Retail list, \$60.00.

YOUR PRICE

\$28⁷⁵



GOTHIC

DYNAMIC SPEAKER

A Marvelous New Speaker

THE outstanding value in dynamic reproducers. Combines the utmost in outward beauty with marvelous performance—an entirely new degree of tone response and power reproduction is achieved. It reproduces perfectly without overloading or chattering and responds to the weakest signal impulses. Its response is equal over the full range of musical and audible frequencies, re-creating naturally as though the artists were actually performing before you.

GENUINE DYNAMIC

The dynamic principle of reproduction is entirely different than all other types of loudspeakers. Basically, the dynamic speaker consists of a cone shaped diaphragm having the coil winding mounted directly at the small end. The outer edge of the cone is supported to a rigid rim by a ring of flexible material. The small coil attached to the cone is allowed to move freely in

the field with a powerful electro-magnet which is excited from a storage battery or by rectified A. C. current.

GOthic CABINET

Beautifully designed table cabinet. Richly finished in walnut. The cabinet itself is a fine piece of furniture, carefully designed and perfectly constructed. The grill is graceful and is backed with heavy silk cloth.

A GENUINE DYNAMIC AT LESS THAN WHOLESALE

Wonderful Tone Quality

The equal response of the dynamic reproducer to all frequencies, results in a degree of natural reproduction surpassing any previous acoustical development. Each instrument may be clearly defined.

Regular \$60.00 Value

A genuine quality product. We can offer you this unsurpassable reproducer at this exceedingly low price not because quality has been sacrificed but because of our tremendous buying power. This identical speaker when purchased regularly on the open market would cost you 50% more.

Why Not Have The Best?

Here is the finest of dynamic reproducers at a price barely higher than you pay for a good magnetic speaker. Stock this peer of dynamic speakers and resell below the market at a greater margin of profit.

FOR 110 VOLT A. C. CURRENT

For operation with any standard A. C. or D. C. radio receiver wherever 110 volt 50-60 cycle house lighting current is available. Size 13 in. high x 18 1/2 in. wide x 10 in. deep. Shipping weight, 22 lbs. **YOUR PRICE..... \$27⁵⁰**
No. 8480. List \$60.00.

FOR 6 VOLT BATTERY

For use with any standard radio receiver where a 6-volt storage battery is employed. Provided with leads for attaching to the battery as well as speaker cord to the radio set. Size 13 in. high x 11 1/2 in. wide x 8 1/2 in. deep. **YOUR PRICE..... \$25⁵⁰**
No. 8481. List \$60.00.

110-Volt D C Model

For sets and amplifiers designed to provide 110-volt D C field winding current
Your \$23⁷⁵
Price
No. 8450 Retail \$60.00



Accousticone Air Cone Kits

Build your own air cone speaker. Marvellous reproduction, perfect tone quality.

The airplane cloth is already tightly stretched under tension. Requires only the mounting of unit. Use Accousticone or any good cone unit. Chassis size 18x24x3 in. Richly made. Unfinished. Wt. 5 lbs. No. 8479. List Value \$10.00. **YOUR PRICE..... \$4²⁵**

Accousticone Unit

Speaker motor recommended for the above kit. Adaptable to any cone kit or cone speaker. Wt. 1 lb.

No. 6555. List \$6.00. **YOUR PRICE..... \$2.95**

Airplane Cloth Dope



High grade solution for impregnating airplane cloth. Not available.

No. 6557. 8 oz. can. **YOUR PRICE. 29c**

Airplane Cloth

Genuine airplane cloth for making all cone kits. High quality grade A mercerized cloth. Width 36 in. Wt. 4 oz.

No. 6558. Yard **75c**
No. 6559. 10c Cone Apex.....

Utah Standard

Genuine Utah standard reproducer equipped with extra large Utah unit. The finest horn type speakers.

Wonderful volume. Natural response to all frequencies. Vivid reproduction of the low bass notes. A standard, popular speaker. Known the world over for its remarkable performance. Full flare. Heavy metal stand.

The new Standard is equipped with the latest Utah unit. We offer this splendid speaker at a new low price. It is the large standard model. Wt. 12 lbs. **YOUR PRICE..... \$5⁸⁸**
No. 8537. List Price \$25.50.



Operetta Drum Cone \$5²⁵

A new drum cone speaker which is a masterpiece of acoustical development. Consists of a marvelous free edge cone speaker encased in an attractively finished heavy gauge non-vibrating aluminum drum.

SUPERIOR TONE QUALITY

The scientifically developed free edge cone is actuated by the new Operetta unit built of the finest materials with large heavy magnet and sensitive windings. The aluminum drum is beautifully finished in Tuscan bronze gold crackle crystalline. Highly finished and polished wood grill with attractive silk backing.

A \$20.00 VALUE
The Operetta drum regularly retails at \$20.00. A real opportunity for live dealers to cash in on a speaker in regular demand. Not an absolute novelty. This is our manner of establishing profitable merchandising for our dealers. Wt. 8 lbs. No. 8566. List \$20.00. **YOUR PRICE..... \$5.25**



Balsa Wood Reproducer

Make It Yourself

Nature's Sounding Board. The most radical development since the birth of radio. Sounding medium is made of this board of Lata Balsa Wood. It reproduces frequencies lower and higher than are audible to the human ear. All parts except unit are included. Assembly is easy. Shipping weight, 5 lbs.



No. 8482. 13x24 inches. List, \$8.00. **NET \$5.10**

No. 8483. 21x36 inches. List, \$10.00. **NET \$6.37**

No. 6560. Balanced armature unit. List, \$3.00. **NET \$5.10**

Temple Air-Chrome Speakers VOLUME!

THE Temple Air-Chrome speaker heralds a new advance in speaker design, tone quality and volume carrying capacity. The most advanced principles ever developed in sound reproduction.

RIGID CONSTRUCTION

The square or rectangular frames of these speakers offer maximum protection for the entire unit and make possible an ease of installation in cabinets. The range of sizes is such as lends itself to almost any kind of cabinet or console.

SPEAKER MARVEL

The Temple Air-Chrome represents one of the most startling speaker developments that the radio industry has ever seen. Climatic changes have no influence on their operation in that no paper is used in their construction and the mechanical design is rugged. In Air-Chrome construction two tightly strung chemically treated skins form the diaphragm. At the balanced center a driving unit operates and as there is no dead weight to operate because of the balanced feature it is easy to understand how the slightest impulse on the driving unit is instantly transmitted to the taut diaphragm.



Sensitive to All Audible Frequencies

Air-Chrome construction of two diaphragms—one for the low and one for the high frequencies—results in a sensitivity, a frequency response and a carrying capacity in undistorted volume that is a revelation in speaker design. They are suited to every kind of power output.

THE performance of the especially developed, powerful Temple double action unit accounts in no small measure for its tremendous carrying capacity—for its enormous volume—its brilliancy—its full response to all audible frequencies.

SENSITIVE

Air-Chrome construction makes possible the balanced tension principle of design whereby the slightest impulse is carried on the driving unit to the diaphragm without any loss. Lightness is combined with rigidity.

A SIZE TO FIT YOUR CONSOLE

Air-Chrome construction makes possible a wide range of sizes, one of which is sure to fit your cabinet or console. Each type regardless of size offers the same sensitivity, practically the same volume carrying capacity and the same wonderful tone quality and frequency range of the other models. A new treat in tone quality and mellowness awaits you in your first Air-Chrome.



FOR ANY CONSOLE CABINET

<p>MODEL S No. 8575. Size 9x18 1/2 in. Wt. 8 1/2 lb. Retail \$20.00. YOUR PRICE \$11⁷⁶</p>	<p>MODEL J No. 8577. Size 24x24 in. Wt. 16 lbs. Retail \$25.00. YOUR PRICE \$14⁷⁰</p>	<p>MODEL F No. 8579. Size, 18x23 in. Wt. 8 1/2 lb. Retail \$23.00. YOUR PRICE \$13⁵²</p>	<p>MODEL D GIANT SIZE No. 8581. 30x36 in. Exceptionally large powerful unit for use in halls, large ballrooms, etc., where unusual volume is desired. Wt. 15 lbs. Retail \$75.00. YOUR PRICE \$44¹⁰</p>
<p>MODEL R No. 8576. Size 9x24 in. Wt. 8 1/2 lb. Retail \$20.00. YOUR PRICE \$11⁷⁶</p>	<p>MODEL K No. 8578. Size, 14x14 in. Wt. 8 1/2 lb. Retail \$20.00. YOUR PRICE \$11⁷⁶</p>	<p>MODEL T No. 8580. Size, 10x13 in. Wt. 8 1/2 lb. Retail \$20.00. YOUR PRICE \$11⁷⁶</p>	

TEMPLE'S NEW AIR COLUMN EXPO-HORNS



THE famous Temple Air Columns for use in console cabinets are now available in the new light weight construction. They offer all the advantages of the previous models which have made the name Temple a byword in quality reproduction—plus the advantage of being very light in weight, extremely rigid, free from internal vibration and of correct exponential design.

For Console Installation

Two sizes are offered of exceptionally compact design that readily lend themselves to console installation. Priced without unit.

No. 180-80 In. Air Column
Provides center line or column length of 80 in. 18 in. diameter, 11 1/2 in. deep. Wt. 36 lbs. **YOUR PRICE \$14¹¹**

No. 150-60 In. Air Column
Provides center line or column length of 60 in. Measures 11 1/2 in. in diameter, 7 1/2 in. deep. Wt. 10 lbs. **YOUR PRICE \$8²³**

TEMPLE SPEAKER COMPARATORS

Designed for the use of the dealer who wants to compare speakers. This unit is so constructed that it permits the quick switching from one speaker to another without even the loss of a single note. Seven speakers may be attached and compared as desired. A wonderful seller. Wt., 8 oz. **YOUR PRICE \$2⁰⁶**



Temple Air Chrome

MODEL 20

Responds in true realistic fashion to all of the notes of the audible range—from the lowest bass to the highest treble. Naturalness that leaves nothing to be desired.

Beautiful Design

Its genuine walnut frame, together with the deftly effected of its sides, give it an eye appeal that is most pleasing—refined beauty in every line. The artistic grill work is strikingly attractive.



New Revolutionary Principle

An entirely new principle of speaker construction. Diaphragm so arranged that the larger front half is tuned to the lower frequencies and the smaller back half to the higher frequencies. Driven by the powerful Temple double action unit.

Volume Without Distortion

Due to the new principle of balanced tension construction the slightest impulse from the driving unit is carried to the diaphragm without any loss. Sturdy, rugged mechanical construction. Stands approximately 13 in. high, 11 in. wide and 5 1/2 in. deep. Shipping weight, 9 1/2 lbs. **YOUR PRICE \$17⁰⁵**

New Temple Dynamic

No. 8439. For 110 volt A.C. **\$28.80**
No. 8440. 6 volt for battery sets. **\$28.80**
List. \$49.00. **YOUR PRICE**

TEMPLE SPEAKERS

True Exponential Air Column Design

TEMPLE drum speakers have quickly won an enviable reputation for tone quality. Their popular acceptance has been due to perfect design and a thorough understanding of the fundamental acoustical laws. Their correct construction provides a maximum response and a complete frequency range—all with a brilliancy that is startling in its realism.

54-Inch Centerline Air Column

The especially designed air column of 54 inches is acoustically correct. The unit is of the ultra-sensitive type readily responding to faintest electrical impulses. It covers the full musical scale. Re-creates every tone from a whisper to a full symphony orchestra without blast or chatter.

FAULTLESS TONE

Dealers who recognize the modern trend in radio will find their trade quickly responsive to the better type of speaker. Temple drums bring forth new low tones that are the delight of all. Faithful reproduction of an orchestra without favor to the higher pitched instruments has been the goal of speaker engineers for years and it finds its culmination in these perfected Temple drum speakers.

A \$22.50 Value

Temple's tremendous popularity has effected manufacturing economies making possible these exceptionally low prices. They are beautifully housed in an over all metal drum with silk grill and attractively finished wood base. Wt., 20 lbs.

No. 8534 **\$12⁷⁸**
YOUR PRICE ONLY



MODEL 11 AIR COLUMN

A Masterpiece in Artistry

The Model 11 Temple Air Column Drum is similar to the above except for minor refinements and improvements. It offers the same realistic tone and the same tremendous volume. Its outward appearance makes it a masterpiece in artistry and dignified appearance.

54-Inch Centerline Air Column

The Model 11 Speaker contains a full 54-inch center line measurement air column in a new light weight construction. Measures 11 $\frac{3}{4}$ inches wide, 12 $\frac{3}{4}$ inches high, and 8 $\frac{1}{4}$ inches in depth.

A Genuine Walnut Case

The beautiful finish will appeal to the most critical. It is encased in genuine walnut with sides of the same color in a beautiful grain leather effect with a beautiful silk back grill. Weight, 20 lbs. No. 8583. Retail \$22.50. YOUR PRICE.....

\$13²³



OPERADIO AIR COLUMN SPEAKERS



JUNIOR

Height, 7 inches. Finished in two colors. Wt., 5 lbs. No. 8585. Retail Price \$15.00. **\$8⁸²**
YOUR PRICE...

Genuine air column speakers of attractive design. Will satisfactorily handle the output of large receivers. Extremely sensitive and capable of tremendous volume without blast or distortion.

NEW SENIOR
Full 54 inches air column. Stands 12 inches high. Wt., 10 lbs. No. 8586. Retail \$25.00. **\$14⁷⁰**
YOUR PRICE ..

Temple Air Column NEW IN PERFORMANCE



MODEL 15

The new Temple Model 15 Air Column Speaker. A reproducer of advanced design. Its remarkable performance responding to all frequencies equally and handling an unusual capacity of volume that is astounding is really a revelation in speaker construction. Its tone is faultless. It reproduces all of the notes of the lower register and those of the highest-treble clef as well, in a manner that actually brings the broadcast itself directly in the home.

Volume to Spare

There is volume—more than is ever needed—it will not chatter under the heaviest of signals. It amplifies all of the notes equally and naturally with a degree of tonal beauty that is true and life-like. With this new Temple Air Column, weaker signals which heretofore have been lost in old fashioned speakers are reproduced with volume, enabling you to hear programs of many distant stations which before were barely audible.

Refined Beauty—Small in Size

From a standpoint of appearance the new Model 15 will impress everyone with its rich and pleasing beauty. It is truly a masterpiece of harmony in its artistic and dignified lines. It is encased in genuine walnut with sides of the same color in a beautiful grained leather effect. The grill work is graceful and artistic.

Lighter in weight and smaller than most air column speakers, yet it actually has a longer air column. The exponential horn measures 60 inches. It is scientifically designed. It is an acoustical masterpiece. Weight, 20 lbs. No. 8584. List \$29.00. YOUR PRICE..... **\$17⁰⁵**

Operadio Westminster Speakers



The newest and finest in Operadio air column speakers. Embodies all that is new and beautiful in loud speaker design.

True Tone. Noted for its remarkable tone quality which will win for it a place in any home. Full 61-inch air column. Stands 15 $\frac{1}{2}$ inches high. Beautiful design. Attractively finished. Wt., 8 lbs. No. 8587. Retail \$35.00. OUR PRICE TO YOU.....

\$20⁵⁸

RACON LONG AIR COLUMN DRUM

Full 66 Inch Air Column

YOU will appreciate the mellowness of tone and the wonderful volume that the genuine exponential air column drum will give. These drums with an actual air column length of 66 inches, bring out the low notes with a marvellous realism. They cover the entire audible range giving the high as well as the low notes their proper values in the scale. They are impervious to climatic conditions and their wonderful performance is dependable and consistent throughout their long life.

Noted For Its Mellow Tone

The exponential air column design is not for the full, round yet mellow tones it produces. The entire scale is rendered with proper values, reproducing an orchestra with all the timbre and brilliancy of the music as originally rendered in the broadcasting studio. The attractive, well proportioned design of the drums is pleasing to the eye and they find a ready place with the furnishings of the most finely appointed home.

Exponential Design

No. 8562. Retail \$19.50

Your Price

\$ 11²⁵

The exponential design of these drums is the result of careful experimenting in the application of established acoustical laws and the proper expansion of the air column. They measure 11 $\frac{1}{2}$ in. in diameter and 7 $\frac{1}{2}$ in. deep. Highly recommended to all who desire a high grade speaker of the drum type. Wt., 7 lbs.



RADIO'S FINEST SPEAKERS

UTAH

A SPEAKER FOR EVERY NEED

Utah Drum Speaker, X-18

A leader in the famous line of Utah speakers. 16 $\frac{1}{2}$ in. high. The cabinet is made of metal mounted on an ornamental wood fibre base and finished in a pleasing antique brown walnut. The well known Utah quality is found in this remarkably low priced speaker. Equipped with the celebrated Utah motor. It incorporates all the newer refinements in Utah construction. Our dealers are urged to feature this remarkable speaker. Wt., 10 lbs.

Retail \$18.00

No. 8490 **\$ 10⁵⁸**
Your Price



A New Utah Speaker X-26

One of Utah's famous featured speakers for the new season. Has the famous Utah power motor noted for its wonderful tone range and the naturalness of reproduction, rendering each group of instruments from the low bass to the piccolo in their proper values.

Beautifully Finished

The attractive cabinet will instantly win the approval of the most fastidious. Both the front and back have the same grill and appearance, permitting the speaker to be set out on a table.

A Perfected Power Motor

Utah units are the result of careful engineering and the correctness of their design is made evident through the thousands of these units that are sold yearly. The model X-26 speaker stands 10 $\frac{1}{2}$ in. high and measures 10 $\frac{1}{2}$ in. width, 5 $\frac{1}{2}$ in. deep.

Highly Recommended No. 8491 Retail \$26.00

The attractive grill design of this speaker in its embossed carved relief design gives it a richness in appearance that adapts it for use in any setting. A real value. Wt., 10 lbs. YOUR PRICE.....

\$ 15²⁹



UTAH "DYNOLA" Dynamic Speakers

Tremendous Volume Without Distortion



A genuine dynamic type speaker housed in a beautiful cabinet of five ply walnut with a genuine burl walnut front finished in antique brown. The cabinet is of non-directional design having the same grill and appearance in both the front and back. Stands 12 $\frac{1}{2}$ in. high, 15 $\frac{1}{2}$ in. wide and 12 $\frac{1}{2}$ in. deep.

Blast and Rattle Proof

Utah Dynamic Speakers will handle tremendous volume without blast or rattle of any nature. They are unusually sensitive and respond to volume variations instantly, reproducing music and voice naturally. Wt., 35 lbs.

Model A-100	Model B-300	Model D-200
110 v. A. C. actuated type.	6 to 12 volts D.C. type. Operates from storage battery.	110 to 220 volts D.C. type.
No. 8492. Retail \$75.00. NET	No. 8493. Retail \$60.00. NET	No. 8494. Retail \$65.00. NET
\$44.10	\$35.28	\$38.22

Utah Dynamic Chassis

The wonderful reproduction of music by the Dynamic principle has created the demand for a Dynamic Chassis for console installation. This is the standard Utah chassis as listed in the dynamic speakers above. Wt., A-100, 20 lbs.; B-300, 200, 15 lbs.



Model A-100	Model B-300	Model D-200
110 v. A. C. actuated type.	6 to 12 volts D.C. type. Operates from storage battery.	110 to 220 volts D.C. type.
No. 8495. Retail \$50.00. NET	No. 8496. Retail \$35.00. NET	No. 8497. Retail \$40.00. NET
\$29.40	\$20.58	\$23.52

The New Air Column Drum

The Golden Voiced Speaker

THE tremendous popularity of the air column drum is due primarily to the tremendous power it can stand without rattling, to the faithful reproduction of the low notes, to its mellow tone and deep, vibrant, tonal delivery. Beautiful in appearance with the air column fully 8 inches in depth, 11 inches high and approximately 14 inches wide. Beautiful grill, all encased in a crystalline finished case, beautifully mounted.



Correct Exponential Design

The unit used in this now famous CAMCO speaker is used in most of the famous drum speakers of the day. It is acoustically correct and delivers what is desired in reproduction. It is the proper speaker for either a 5, 6, 7 or 10-tube set where real reproduction and plenty of "kick" is desired. Wt., 12 lbs.

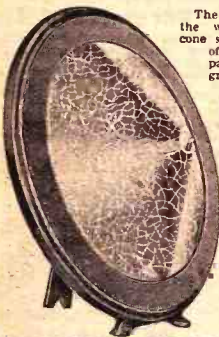
A Real Value

Drum Speaker, beautifully finished is priced right. It is a real value. Buy a sample. It will surprise you.

No. 8563 List Price \$25.00

\$12⁷⁵
YOUR PRICE

Camco Easel Cones



The illustration does not do justice to the wonderful appearance of this easel cone speaker. The cone material itself is of a beautiful alligator leatherette paper, which is mounted on a high grade mahogany, hand rubbed frame.

Finished so that all the natural beauty of the wood is retained. Easel permits its being inclined at any angle for improved reproduction. The cone measures a full 16 in. in diameter.

New Unit

Has a new type adjustable power unit having a large magnet and broad surface Apex attachment. Covers the full musical scale with wonderful tone quality. A real value. Wt., 9 lbs.

No. 8525. Retail, \$12.50. **\$5⁹⁵**
YOUR PRICE..

Utah X30 Mantle Speaker

A Utah leader. Cabinet of genuine walnut plywood, attractively finished in hand rubbed antique brown. Both front and back have same grill and appearance. Has the famous Utah power motor noted for its wonderful clarity and volume. 11 1/2 in. high, 15 in. wide and 8 1/4 in. deep. Shipping wgt., 10 lbs.

No. 8498. Retail, \$30.00. **\$17⁶⁴**
YOUR PRICE



Utah Drum

No. 8489. The famous Utah drum housed in a beautiful five ply genuine walnut finished antique brown cabinet beautifully embossed. Standard Utah power motor. Recognized as a standard. 18 in. high. Shipping weight, 11 lbs.

Retail \$35.00. **\$20⁵⁸**
YOUR PRICE



3 FOOT CONE KIT BUILD IT YOURSELF

You will marvel at the simplicity with which you can construct your own large three foot cone speaker.

The tremendous volume, supersensitivity and wonderful tone quality of factory built speakers is offered you in this special three foot kit and in addition an attractiveness that imparts to it a factory built appearance.

Each kit contains one fine speaker unit, one sheet heavy cone paper cut to proper shape with edging braid, one tube cement, 15 ft. connecting cord, ornamental cut out design, and complete instructions for assembling.

WONDERFUL TONE EASY TO BUILD

The simplified instructions explain each operation so that the novice will experience no trouble in proper assembly. Its wonderful appearance when finished coupled with its remarkable performance will win for it a place in the living room of the most finely appointed homes.

A real value. Wt., 5 lbs. No. 8556. Retail Price, \$9.00. OUR PRICE **\$4¹⁰**
TO YOU ONLY



Ensco 3 ft. Cone

Build your own 3 ft. cone speaker. Complete parts for constructing marvelous speaker which faithfully reproduces with enormous volume. Includes new Ensco adjustable unit, wood brackets and all hardware with instructions. Packed complete. Wt. 5 lbs.

Your Price **\$7⁰⁰**

No. 88565. Retail Price, \$12.00.



Utah XB Speaker FOR CONSOLES

No. 8499. For console installation these famous Utah power motors will impart wonderful tone quality, supersensitivity and tremendous carrying power. Furnished complete in plain wood cabinet ready for mounting in any position. No external baffle board required. A high grade, practical speaker arrangement backed by the famous Utah standards of quality. Dimensions: 9 1/2 x 9 1/4 x 5 in. Wt., 8 lbs.

Retail YOUR PRICE **\$9⁴¹**
\$16.00



Accousticone Air Cone Speakers

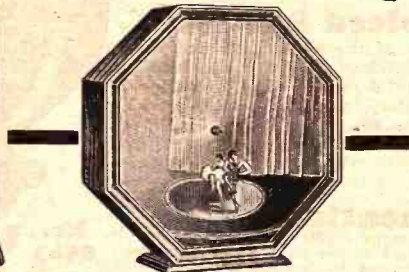


**The Year's
Outstanding
Speaker Sensation
—Decorated**

Air Cone speakers hand-painted. Beautiful designs. Decidedly attractive speakers that will lend grace to the most finely finished home. Striking colors—artistic beauty in every line. Offered in three models.

Japanese Art Model

Air cone, floor type speaker beautifully and attractively painted with striking color effects. Stands approximately 30 in. high. Wt. 12 lbs. No. 8468. List \$25.00. **YOUR PRICE \$12⁸⁵**

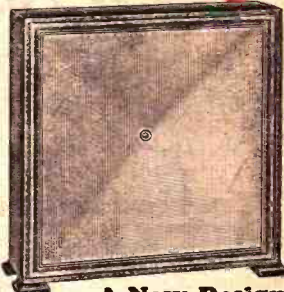


The Air Cone Principle Unusual Tone Quality

The most startling speaker development. The balanced tension principle whereby the airplanes cloth of the diaphragm is stretched tightly under tremendous tension in such a way that the diaphragm responds to the slightest impulse from the driving unit. Its characteristic difference from cone speakers of the usual type is that no low frequency paper is used, but instead impregnated airplane cloth of the finest grade stretched so tightly that it has in itself no natural vibration period in the audible scale of frequencies.

Octagon Table Model

The stage design of the Octagon model is beautifully hand painted in brilliant colors. Its effect is unusually attractive. Stands approximately 20 in. high. Wt. 10 lbs. No. 8469. List \$25.00. **YOUR PRICE \$12⁸⁵**



A New Design

Here is the first really new speaker development since the invention of the cone speaker. An outstanding advanced principle of recent development. The peer of magnetic reproducers.

Light in weight, rigid in construction. Not influenced by climatic conditions, for no paper is used. Practically indestructible under average conditions. Furnished in three strikingly attractive models to suit the individual taste.

Silver Screen Model

Attractively finished in neutral color. Diaphragm and frame are finished in silver. The effect is beautiful and highly desirable wherever a neutral color is desired. Wt., 8 lbs. Size, 16x18 in. No. 8470. List \$18.00. **YOUR PRICE \$7⁸⁵**

Peerless Dynamic Cone Speakers



Peerless Presents a new dynamic speaker embodying radical new developments in construction. Built for those who want volume and quality of tone on near and distant stations alike. Enables you to listen to distant stations with ease and comfort where before you could barely bring them in with sufficient volume to hear.

With perfection of tone it will provide enough volume to fill a hall or auditorium if desired. Wt., 22 lbs. No. 8471. 110 v. A.C. model. List Price. \$75.00. **YOUR PRICE \$44¹⁰**

Peerless Dynamic Chassis

Embodies new developments in dynamic speaker construction. In electrical efficiency it excels the average dynamic unit. Rugged construction. Designed for mounting in practically any console cabinet. Height of chassis, 14 in.; depth, 6 1/2 in.; width, 5 1/4 in. Diameter of cone, 7 in. 110 volt A.C. model. Wt., 18 lbs. No. 8472. List Price. \$60.00. **YOUR PRICE \$35²⁸**



Peerless Magnetic Speaker



Classic Gothic beauty, marvelous tone and volume. Matchless Peerless quality. Life-like reproduction. Fine performance on the low tones and the highest notes. No distortion. true-to-life rendition. Reproduces sound with amazing fidelity. Wt., 10 lbs. No. 8473. List \$20⁵⁸

YOUR PRICE \$35.00

Peerless Cone Chassis



Modernizes any radio set. Designed for ease of installation in any console cabinet. A sane, efficient reproducer contained in the famous Peerless, Gothic speaker. Splendid performance. Brings any radio set up-to-date. Wt., 6 lbs. No. 8474. List \$20.00. **YOUR PRICE \$11⁷⁶**

YOUR PRICE

BALDWIN 99 DRUM

The Peer of Baldwin Reproducers

A superfine musical reproducer. The Baldwin 99 is equipped with genuine Nathaniel Baldwin balanced armature unit of latest design. Combines the finest qualities of both cone and air column speakers eliminating the disadvantages of both. Sensitive to all frequencies—it reproduces the fine overtones and delicate shadings without introduction of false notes, noises or rattles.



Powerful Super-sensitive and powerful. The new Baldwin 99 responds to the faintest impulse—it will yet handle the output of the most powerful amplifier without overloading or distorting. Actually tested at the factory on 400 volts with a 210 power tube.

Beautiful in Appearance

In the Baldwin 99 more thought has been given to appearance than has heretofore been customary in the design of speakers. It was designed by one of America's finest artists: its ornate lines catch and hold the eye. It is finished in dark bronze, with a lighter shade of silk in the grill. A tiny centerpiece of blue lends life to the whole effect. The 99 was designed for the finest homes and it adds to the attractiveness of any room, regardless of how richly it may be furnished. Shipping weight, 12 lbs.

No. 8511. Retail List \$28.50. **YOUR PRICE \$16⁷⁵**

A \$35⁰⁰ value POWER SPEAKER \$12⁹⁵

A NEW STANDARD FOR QUALITY

IN OFFERING this speaker as our special, we feel we have set a new standard for real quality reproduction in a magnetic cone speaker. It delivers the volume, tone quality, and faithful reproduction with a powerful "kick" such as has yet to be reproduced in magnetic speakers of the day.

Beautiful Two Tone Walnut

Beautifully shaded two-tone walnut panel, resting as an easel with the speaker behind it, rendering a real beautiful quality tone speaker, more beautiful than ever. The speaker cone is of the new balanced type cone manufactured by a nationally known manufacturer.



No. 8460.
List Price, \$35.00

YOUR PRICE

12⁹⁵

3 REASONS WHY

- 1 Beautiful tone quality—tremendous volume—all dynamic reproduction.
- 2 Low bass notes as well as high. Beautiful in appearance.
- 3 The right price and the right speaker for any radio set.

A \$35⁰⁰ VALUE!

The Baffleboard Principle

Most speakers in cabinets will not produce as much and as even a volume as this panel speaker which acts as a baffle board and resonates the clear, distinct bass notes as well as the high notes of the scale. This is the ideal type of speaker.

Perfect Tone—No Rattle

This speaker renders a perfect tone quality and will stand a tremendous pressure of volume and voltage. Specially designed for 6, 7, 8, or 10 tube sets with big volume and almost dynamic delivery. Ship. wt., 8 lbs.

DO NOT CONFUSE ITS LOW PRICE WITH ITS QUALITY

MAGNAVOX DYNAMIC SPEAKERS



No. 8461. Model 61. For six volt operation from storage batteries. Wt., 22 lbs. Retail, \$55.00. **YOUR PRICE**

\$32³⁴

No. 8462. Model 71. For 110v. D.C. operation. Wt., 20 lbs. Retail, \$60.00. **YOUR PRICE**

\$35²⁸

No. 8463. Model 801. For 110v. 60 cycle A.C. operation. Wt., 23 lbs. Retail, \$70.00. **YOUR PRICE**

\$41¹⁶

A table type speaker in an attractive two tone brushed walnut cabinet of graceful contour. Made under Magnavox exclusive patents. Acknowledged as the only type of speaker construction capable of accurate radio reproduction. Natural, enjoyable music or speech from a low whisper to a volume far in excess of normal home requirements—all without distortion.

Magnavox Quality Throughout. Beautiful cabinet stands 13½ in. high, 18 in. wide and 9 in. deep. Furnished complete with cords and plug.

MARCO DYNAMIC

Faithfully reproduces all frequencies within the range of the human ear.

Special construction results in absolute freedom of motion of diaphragm which assures reproduction at tremendous volume without the slightest possibility of chattering. Impedance is constant over entire range.



A Perfect Power Reproducer

Rich dull rubbed walnut finish. Height 14 in., width 14½ in., depth 11 in. Shipping weight 20 lbs.

No. 8441. 110 volt A.C. Model. List \$75.00. **YOUR PRICE**

\$44¹⁰

No. 8442. 6 volt D.C. Model. List \$65.00. **YOUR PRICE**

\$38²²

MAGNAVOX Dynamic Chassis

Your old console fitted with a Magnavox chassis becomes a new modern unit capable of unusual reproduction. The chassis is simple to install and comes to you complete with all instructions.

No. 8464. Model 6. For six volt storage battery operation. Wt., 16 lbs. Retail, \$35.00. **YOUR PRICE**

\$20⁵⁸

No. 8465. Model 7. For 110v. D.C. operation. Wt., 15 lbs. Retail, \$40.00. **YOUR PRICE**

\$23⁵²

No. 8466. Model 80. For 110v. 60 cycle A.C. operation. Wt., 18 lbs. Retail, \$50.00. **YOUR PRICE**

\$29⁴⁰



Amplion Cone Chassis

Super-sensitive. Tremendous carrying capacity without blast or distortion. Equipped with a genuine Burtex 9-inch cone noted for its ruggedness.

Improved Type Cone Unit

Improved unit and with laminated pole pieces. Accurately balanced. A Real "Buy." Wt., 5 lbs.



Your Price **\$9⁹⁵**

No. 8467 Retail Price \$17.50.

Exponential Air Column Horns

JUST so long as good musical reproduction is desired, just so long as the low bass notes with all overtones are pleasing to the ear, just so long will the exponential air column horns be in vogue.

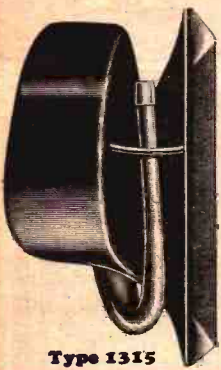
All horns shown on this page give uniform performance and are acoustically correct. There are no muffled nor jumbled tones, no distortion, but full smooth round quality reproduction.

Material Construction

The material used in the construction of the air columns on this page are a special fibre that is practically vibrationless and is very durable. These horns are arranged to take practically all standard units and are well finished. All horns are uniform, light in weight, pleasing in appearance and are easily mounted into any console-cabinet or may be individually used. The longer the air column, the deeper the tone and the better the quality.

No. 8485. The air column listed to the left has a 101 in. air column with a bell of 18x24 in., depth 13 in., wt. 8 lbs.
List Price \$16.00.
YOUR PRICE \$9⁴²

No. 8484. The type 200 pictured on the right has a 92 in. air column, 18 in bell, depth 13 1/2 in., wt. 5 lbs.
List Price \$15.00.
YOUR PRICE \$7⁸⁰



Type 1315



Type 200

Console Model



Designed especially for console cabinets. Vastly superior to ordinary manufacturers' wooden horns.

No. 8599. Air column 60 in., bell 6x15 in., depth 10 1/2 in. Wt. 3 lbs.
List Price \$7.00.
YOUR PRICE \$4.12

No. 8600. Air Column 80 in., bell 14x18 1/2 in., depth 13 1/2 in. Wt. 4 lbs.
List Price \$10.00.
YOUR PRICE \$5.88

Orthophonic Horns

The famous orthophonic type horn. Wonderful tone quality. Used in either radio set or phonograph. The most wonderful air column speaker obtainable on the market today. Shown in all sizes.



No. 8486. Special 66 in. air column type No. 399. Small space and the size of ordinary drum speaker. 11 in. round. Weight 3 1/2 lbs.
List Price \$8.00.
YOUR PRICE \$4⁵⁰

No. 8487. As pictured here—type 100—84 in. air column. 14 in round bell, 9 in. deep. Wt. 4 lbs.
List Price \$11.00.
YOUR PRICE \$6⁴⁵

No. 8488. This is type 101 as shown here with a 72 in. air column, 12 in round bell, 9 in. depth. Wt. 4 lbs.
List Price \$10.00.
YOUR PRICE \$5⁵⁰

Compact Ortho



A compact air column. Length 43 in., bell 10 in. round, depth 8 in. Wt. 2 1/2 lbs.
 No. 3589. List Price \$5.00
YOUR PRICE \$3⁰⁰

Ortho Horns 72" and 96"



Graceful, compact moulded wood tone chamber. Sweet and mellow as a violin. Produces low notes without distortion. May be put behind your console or used with any good unit.

No. 8544. 72 in. air column. Wt. 5 lbs.
List Price \$7.85
YOUR PRICE \$7⁸⁵

No. 8548. 96 in. air column. Wt. 8 lbs.
List Price \$18.00.
YOUR PRICE \$10⁵⁸

120-Inch Column

This is the type 300 with a 120 in. air column, 18 in. bell, depth 13 in. Wonderful reproducer. Tremendous volume. Wt. 8 lbs.



No. 8564.
List Price \$18.00.
YOUR PRICE \$10⁶⁰

Highboy Speaker



With a good unit, this 45 in. air column is wonderful. Bell 6 1/2 x 20 in. depth 12 1/2 in. Wt. 8 lbs.
List Price \$5.00.
YOUR PRICE \$2⁹⁴

Newcombe - Hawley

This is the Newcombe Hawley air column reproducer. Remarkable reproduction of low and high notes. Sold with a genuine Nathaniel Baldwin Rival Unit. Does not require power amplifier. 86 in. air column. Can be installed in most any cabinet. Ht., 24 in.; width, 19 in.; depth, 14 in. Shipping weight, 25 lbs.
 No. 8598
List Price \$25.00
YOUR PRICE \$14⁷⁰



Balanced Armature Unit

This is the feature of our speaker unit page offered here and on that page at our special price. Value \$8.00. Wt. 2 lbs.



No. 6538
YOUR PRICE \$1⁹⁵

THE NEW FARRAND SPEAKERS

Gothic Dynamic Speaker



Farrand—an unquestionable leader. In the field of reproducer development, introduces their new power dynamic.

Blare Proof Design

An entirely new degree of tone response is achieved with purity of reproduction unaffected by the most powerful volume. Handsome, two-tone walnut cabinet of classic Gothic design. Height, 11 in.; width, 11 in.; depth, 7 1/2 in. Ship. wt., 20 lbs.

No. 8566. 6 volt battery model [List Each. \$50.00] **\$29.40**
No. 8567. 110 volt AC model [NET.....]

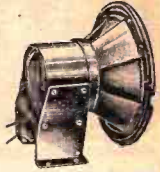
Dynamic Chassis

Farrand dynamic cones may be installed in any console cabinet. Large field current and extra heavy magnet. Small and compact. Height, 9 in.; width, 8 1/2 in.; depth, 7 in. Farrand Quality. Built to Farrand high standards, which have been responsible for Farrand world wide leadership. Superior tone quality. Wt., 15 lbs.

No. 8571. 6 Volt Type. **\$20.58**
For all storage battery sets. List, \$35.00. NET.....

No. 8572. 110 Volt DC Type. Used only with such AC sets designed to accommodate dynamic speakers. **\$23.52**

List Price, \$40.00. NET.....
No. 8573. 110 Volt AC Type. Adaptable to all AC, DC sets with 110 volts, 50-60 cycle AC current. **\$26.46**
List Price, \$45.00. NET.....



Gothic Magnetic Cone

No. 8568. Its exterior beauty is unequalled. Its reproductive performance is astounding. "Rose Window" finished two-tone walnut. 12 in. in height. Shipping weight, 15 lbs. **\$16.17**

NET.....

Cone Chassis

No. 8569. An unusual small size cone reproducer of unlimited tone capacity and volume. Mounted and housed in a wood sounding chamber. Size, 9 1/4 x 4 1/8 x 4 1/8. Shipping weight, 8 lbs. **\$10.58**



Farrand Panel

No. 8570. Finely finished two-tone walnut panels with rich silk screen.

Fashioned in a manner of a fine portrait frame. A beautifully finished panel, acts as a baffle for the natural reproducing cone speaker. Shipping weight, 15 lbs. **\$10.53**



Jr. Clock Speaker

Uses the standard Farrand cone unit and bids fair to be the most popular reproducer in America. Handsome bronze finished metal cabinet, at an extremely moderate price. 10 in. high. Shipping weight, 12 lbs.



No. 8574. **\$11.47**
List, \$19.50. NET

Newcombe-Hawley Reproducers

THE SEASON'S FEATURE LINE OF SPEAKERS

Dynamic Cone Speaker

Newcombe-Hawley's famous dynamic power speaker. Reproduces with exceptional tone quality and faithful recreation of tone shadiness which distinguishes good music and clear voice articulation. Reproduces with such fidelity that each orchestral instrument can be instantly recognized.

Radio's Finest Speaker

This wonderful dynamic speaker is furnished in a cabinet of beautifully grained walnut and finished to appeal to the most discriminating buyer. Its design will harmonize with all interior appointments. Height 12 1/2 in., width 14 1/2 in., depth 10 1/2 in. Shipping weight, 30 lbs.

6 Volt Battery Model

For use with all standard DC sets employing the use of a 6 volt storage battery. May be easily and quickly connected. Also may be used with DC sets with an "A" Eliminator. No. 8590. List Price, \$52.00. Less 40% **\$30.58**

A.C. Model

For use with any set, AC or DC, where the use of 110-115 volt, 60 cycle AC current is available. Simply connect to the set in the usual way and plug into the light socket. No. 8591. List Price, \$70.00. Less 40% **\$41.16**

DYNAMIC CONE CHASSIS

FOR CONSOLE INSTALLATION

The same dynamic power unit used in all of the new famous Newcombe-Hawley reproducers. Does not include baffle-board.



Specifications. Baffle rings 9% in. DC model 6 1/2 in. deep by 9 1/2 in. wide. AC model 6 1/2 in. deep by 11 1/2 in. wide.

No. 8592. Type NH 6. For 6 volt DC model. For all standard sets. Ship. wt., 15 lbs. List, \$35.00. Less 40% **\$20.58**

No. 8593. Type NH 7. For 100-200 volt DC model. Field magnet supply—100 to 200 volts. 40 to 80 mils. Used only with 110 volt DC line or with AC sets. Accommodates dynamic speaker. Ship. wt., 15 lbs. List Price, \$40.00. Less 40% **\$23.52**

No. 8594. Type NH 9. For 110 volt AC model with step down transformer. Westinghouse rectifier may be plugged directly into the 110 volt 60 cycle AC line. Ship. wt., 20 lbs. List Price, \$50.00. Less 40% **\$29.40**

Portable Cone Speakers

MAGNETIC TYPE



No. 8595. Meet the demand for a high quality loud speaker at a moderate cost. A strong, durable, permanent magnet and many unusual features make possible exceptional tone quality and a remarkable degree of volume.

Furnished in a beautiful walnut cabinet with cloth covered grill. Can be used with any radio set and requires no special amplifier for its operation. Ship. wt., 20 lbs. List Price, \$28.00. Less 40% **\$16.46**

No. 8596. Magnetic Chassis Only. For console installation. Cone 9 in. Baffle-box height, 9 1/4 in.; width, 9 1/4 in.; depth, 8 1/4 in. Ship. wt., 15 lbs. **\$10.58**

List Price, \$18.00. Less 40%, \$10.80. Less 2%.....

Newcombe-Hawley AIR COLUMN DRUM

A new, attractively designed air column reproducer. Metal case attractively finished in brown bronze. Extremely sensitive and has exceptional volume and clarity. No special power amplifier is necessary. Gives excellent results with any radio set.

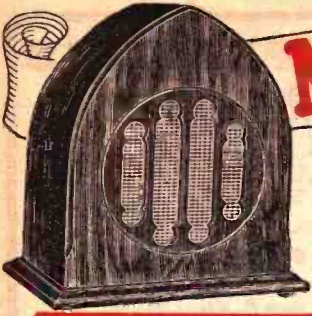


56-in. Tone Travel
A true exponential drum reproduces the low as well as high notes. Genuine Nathaniel Baldwin Rival Unit. Ship. wt., 25 lbs. No. 8597. List Price, **\$14.70**
\$25.00. Less 40% **\$15.00.**
Less 2%.....

NOW! A SUPER SPEAKER

ASTOUNDING NEW SPEAKER DEVELOPEMENT

WITHIN the last year there has been developed a new and better type of magnetic cone speaker. The same old principles have been applied to better construction of speakers producing a finer tone quality, delivering greater volume and a tremendous "kick," almost comparable with dynamic speakers. Many so-called dynamic speakers on the market haven't the volume, nor the tone quality, nor do they produce the low notes as this super magnetic speaker will do.



Perfected Driving Unit

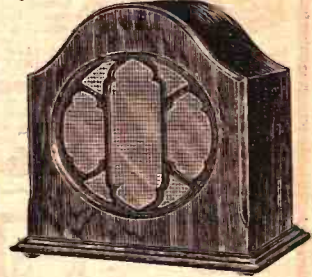
Fully enclosed and encased and shielded driving unit. True to the thousandth of an inch and perfectly engineered. Produces the beautiful tones with extraordinary volume.

Finest Quality Cone

MANUFACTURED BY A NATIONAL-
LY KNOWN MANUFACTURER PRODUCING SPEAKERS AT \$35.00 AND \$50.00 VALUES COMPARABLE TO THIS.

A New Low Price

All this at the new low price we are quoting. You should be in position to sell very large quantities of these well finished, well designed, beautifully toned speakers at the price we offer them. Highest quality. Needless to say the very best speaker construction is offered in these Gothic and Grecian models.



Grecian Model

Measures 7 1/2 x 11 1/2 x 12 inches. The Grecian model has exactly the same style of construction. A little larger, a little more beautiful than the Gothic model in beautifully turned, and exquisitely finished soft walnut. A full size, full depth speaker, wonderfully designed with a grill very delicately cut out of genuine walnut and the entire speaker moulded beautifully. Most speakers listing for \$50.00 are not as well finished nor as beautifully designed, nor as fine a product. Powerful volume, tone quality, perfect reproduction. Wt., 29 lbs. No. 8452. A \$50.00 List Value. YOUR PRICE.....

Genuine Walnut Cabinet

The Gothic model pictured above is of the beautiful Gothic design, made of genuine dark walnut finished in a soft velvety piano finish. The rich walnut appearance adds dignity and grace. The most exquisitely designed grill backed with gold cloth sets off this speaker as a \$35.00 value.

Gothic Model

Measures 7 1/2 x 11 1/2 x 14 in. The fine Gothic model magnetic power cone speaker, the almost "vibrationless" speaker with the premier baffles. A real "thing of beauty." Wt. 20 lbs. No. 8451. List Price, \$35.00. YOUR PRICE.....

\$10 95

**REGULAR \$35.00 VALUE
MARVELOUS TONE-
BEAUTIFUL ATTRACTIVE
HIGHLY RECOMMENDED**

\$13 95

O'Neil Ship Speakers

Illuminated Ship

Equipped with a new O'Neil super unit incorporating new remarkable features. Extremely heavy magnet encased in a cast non-magnetic housing. Has transparent enclosure protecting the unit and all actuating parts, insuring its long life under practically all conditions. Perfect reproduction, full volume. Base treble and overtone are brought forth with remarkable fidelity.



Sunset Effect

A beautiful oval frame. The ship is finished in antique bronze and illuminated with two concealed lamps effecting a beautiful sensitive and low illumination. A speaker and lamp in one, which will beautify any home. Equipped with lamps and phone cords. Shipping weight, 12 lbs.

No. 8454. List Price, \$25.00. YOUR PRICE..... **\$14 70**

Western Electric Cone

New Western Electric 560-AW loud speaker. Latest Western Electric 24 in. cone speaker. Western Electric cone speaker telephone is nationally reputed for quality reproduction.

Real Tone Quality

Few speakers compare with this exceptional reproducer. True, natural, faithful reproduction of the full musical scale. The new Western Electric as well as being a highly efficient speaker is attractive in appearance with its colorful stenciled design. The new speaker covers over a greater length of frequencies than its famous predecessors. Wt. 18 lbs. No. 8453. List, \$35.00. YOUR NET PRICE \$



JENSEN DYNAMIC REPRODUCERS

Superior Reproduction

True fidelity of reproduction—reproduction true as the original and with the ability to create tremendous undistorted volume. Full range reproduction from the deep throated zooming bass of a kettle-drum up through the entire musical scale to the highest treble note of a piccolo. Any radio receiver will sound better with a Jensen reproducer.



6 Volt Model

For use with all standard 6 volt sets. Shipping weight 30 lbs. No. 8455. List Price, \$55.00. NET **\$32 34**

110 Volt AC Model

For use with all A.C. or D.C. sets, where 110 volt 50-60 cycle housing light current is available. Shipping weight, 30 lbs. No. 8456. List Price, \$70.00. NET **\$41 16**

Jensen Dynamic Chassis

Jensen dynamic speakers are available in three types for console installation. In each the reproducing magnetism is identical. Dimensions 8 1/2 in. deep over all, 10 1/2 in. height over all. Shipping weight, 23 lbs.



6 Volt Model
No. 8457. List, \$40.00. NET..... **\$23 52**

AC Model 110 Volt 50-60 Cycle AC
No. 8458. List, \$55.00. NET..... **\$32 34**

110 Volt DC Model
No. 8459. List, \$43.00. NET..... **\$25 28**

Radio's Greatest Value

Symphonic

16" Free Edge Cone

HERE is a speaker of marvelous tone quality—beautiful design—tremendous volume. An amazing value built to retail for not less than \$9.50 offered to our dealers at the ridiculously low price quoted below. This remarkable new speaker is of genuine free edge cone construction scientifically designed. The highly sensitive unit with its oversized heavy magnet responds to the slightest impulse, faithfully reproducing the voice and orchestra from a whisper to the full flare of a brass band. Will not rattle or chatter at the higher frequencies.

A Low Price Cost Plus Speaker

Our tremendous cash buying has resulted in this exceptionally low price. Our policy of passing these savings along to our dealers is just one of the many ways that we help our dealers to succeed. The quality has in no way been overlooked and we recommend this speaker as a feature item for your volume sales.

The Tone Quality Will Delight You

The oversized, powerful unit has an adjustable feature enabling you to match it to the output of your receiver. It is almost impossible to overload this unit. Its tone quality over the entire scale is comparable to speakers selling at many times more than the low price we ask.

Remarkable Low Price

Do not confuse the exceptionally low price of the speaker with its quality. They are the product of a reputable manufacturer and are built to exacting specifications. You will not believe your eyes when you open the carton and bring forth this remarkable value. Wt., 5 lbs.

A Regular \$9.50 Value

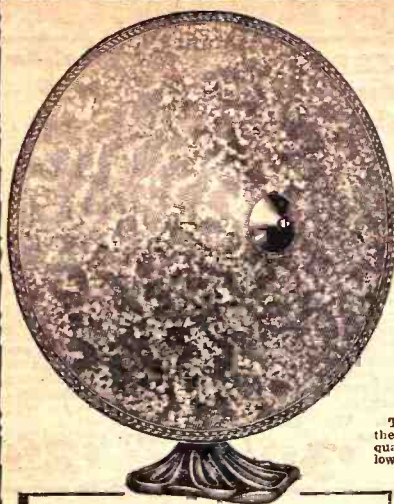
No. 8529 **\$3³⁵**

Your Price

New 20" Cone

Here you are offered a large, superbly designed 20 in. free edge cone. It has the same wonderful tone quality as the 16 in. Symphonic above. It carries a trifle more volume while its added eye value makes a ready market among your customers. Wt., 7 lbs.

No. 8530. **\$5⁶⁵**
Retail \$15.00
YOUR PRICE



Adjustable New Unit

The adjustable feature of these units readily adapts them to any receiver. It is possible to change the pitch to meet the individual taste of your customers desiring either a low or higher pitched speaker.

Just One of Our Many Values

Thousands of dealers throughout the country eagerly await our special offerings of this nature. You are urged to feature these items and run them in your sales.

American Bell Quality Headphones

Here is a super value for the DX fan. Well designed, unusually sensitive headphones built with genuine molded caps and aluminum molded shells. Adjustable. Reproduce music and voice with exceptional clarity.

For DX Tuning

For extreme long distance reception a pair of these headphones will prove indispensable. Their unusual sensitivity enables you to hear stations that you cannot receive through your loud speaker.

Built to a Laboratory Standard

American Bell Quality Headphones are the product of one of America's foremost laboratories, carefully engineered for super-sensitivity and soft mellow tone. Users of crystal sets will find them a necessary accessory to their equipment. Wt., 2 lbs.



\$1¹⁰

2000 ohms.
No. 6501.
Retail, \$2.50.

\$1¹⁰

3000 ohms.
No. 6502.
Retail, \$3.50.

\$1³⁹



Ekko Adapters

Adapt loud speaker units to any type of phonograph. Wt., 8 oz.

No. 6503. Ekko No. 1 for Edison phonograph. **YOUR PRICE 17c**
No. 6504. Ekko No. 3 for Columbia, Pathé and Jewell style tone arms. **YOUR PRICE 14c**
No. 6505. Ekko No. 4 for Brunswick phonograph. **YOUR PRICE 20c**

Ekko Phone Adapters

Adapt phones for loud speaker or phonograph operation. Wt., 1 lb.

No. 6513. Single Adapter. Retail, \$1.00. **YOUR PRICE 59c**
No. 6514. Double Adapter. Retail, \$2.00. **YOUR PRICE \$1.27**



RUBBER ADAPTER

A 2 in. flexible rubber tube for adapting unit of loud speaker to any type of phonograph. No. 6526. Retail, 10c. **YOUR PRICE 5c**

Baldwin Phones

Backed by the wonderful reputation of Baldwin for quality products. Their supersensitiveness will enable you to hear stations you never heard before. The diaphragm of genuine mica adds to their sensitivity and improvement of tone quality. The DX fan and the crystal set user will find them indispensable. Wt. 2 lbs.



No. 6506.
Retail, \$9.00.

YOUR PRICE \$4⁹⁵

Frost Phones

These phones incorporate several superior features which add greatly to their efficiency of reproduction, namely increased width of the diaphragm seat to give better reproduction; an aluminum tone plate under the diaphragm which acts like a sound board and the new permanent magnet capable of better retentivity. Wt., 2 lbs.



No. 6507. 2000 ohms. **\$1⁷⁶**
Retail, \$3.00. **YOUR PRICE**
No. 6508. 3000 ohms. **\$2⁰⁶**
Retail, \$3.50. Aluminum shell. **YOUR PRICE**
No. 6509. 3200 ohms. Bakelite shells. Retail, \$6.00. **YOUR PRICE \$3⁵³**

Tone Filters—Voltage Regulators



Knight Tone Filter

Used between last power tube and speaker of set. Improves tone quality. Eliminates chattering. Designed to match the output impedance of power tubes.

For All Sets Using Power Tubes

\$1.40

On all sets employing power tubes for audio amplification, the output filter protects the loud speaker windings from the high voltage of power amplification. They eliminate chatter and blast from the speaker. Attractively finished. Wt. 2 lbs. No. 3004. List \$5.00.

YOUR PRICE

Beede A. C. Voltage Control



For reducing excessive line voltages to proper operating value for the new A.C. sets. Equipped with an accurate A.C. voltmeter and power rheostat mounted in an attractive bakelite case. A well made, expertly designed and moderately priced unit. Wt., 5 lbs. No. 1996.

Retail, \$8.00.
YOUR PRICE

\$4.70

Sterling Power Output Transformer



Protects loud speaker from high voltage used with power tubes. Improves tone quality. Can be instantly connected to any set.

No. 2106.
Retail, \$5.00.
YOUR PRICE

\$2.94

JEFFERSON Output Transformer



Used between the loud speaker and the power tube, to purify and improve the tone quality of the speaker. It permits greater volume without distortion. Attractively enameled upright case with plainly marked terminals. Supplied with 30 in. of cord. Equipped with phone tips, and pin type jacks to receive the speaker cord.

No. 1994. Wt., each, 2½ lbs. Retail, \$6.00.
YOUR PRICE

\$3.53

MUTER Clarifier



The high grade tone filter that improves tone quality and volume. Protects loud speaker windings from high voltages of power tubes. Equipped with binding posts, and phone cord. Easily attached without changing wiring. Highly enameled metal container, measuring 4¾x2½ in. Wt., each, 3¾ lbs.

No. 2023.
Retail, \$5.00.
YOUR PRICE

\$2.94

Amsco Orthophones

A new output filter. Connects between the last tube of receiver amplifier, and the loud speaker. They provide greater volume without distortion, and better tone qualities. They keep high voltage from speaker windings, preventing demagnetization. Prevents rattling, chattering and distortion. Connects without changing wiring. A necessity on all sets using power tubes. Wt., 3 lbs. No. 2024. Retail, \$6.00.



\$3.53

R-B-M Voltage Regulator



For all A.C. Electric Sets. Enables anyone to operate his electric set at just the proper voltage at all times under all line voltage conditions.

Reduces high voltage, raises low. Consists of special transformer and adjustable switch and provided with buzzer to indicate just when the proper 110 volts is reached. Reduces excessive voltage or steps up low voltage. Instantly installed.

No. 2001. Retail, \$10.00.
YOUR PRICE

\$5.88

Wirt A.C. Voltage Regulator

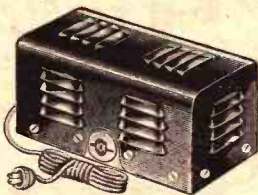


This is made especially for use with all the latest types of A.C. operated radio receiving sets. Saves tubes and eliminates extraneous tube noises. This unit is different than the rest of the regulators in that it plugs into the wall socket and the cord from the set plugs into it. Five taps for regulation. A very fine product of Wirt. Wt., 12 oz.

No. 1999. List Price, \$2.25.
YOUR PRICE

\$1.32

Automatic Line Voltage Regulator



For all A.C. Sets

Strictly Automatic

Compensates for variations in the 110 volts A.C. light line. Entirely automatic—keeps A.C. current down to 110 volts under all conditions of line surge and fluctuations.

No Rheostats or Tubes

This regulator employs no rheostats nor tubes and automatically regulates itself, delivering an even flow of 110 volt A.C. current. The Potentialator is strictly automatic. Longer life to your tubes assured. Size, 4x7½x4 in. Wt., 10 lbs.

No. 2000. List, \$15.00.

\$8.40

YOUR PRICE

Beede AC Line Tester



A compact, specially designed for checking the line voltage on A.C. sets when plugged into any electric light socket or receptacle. Scale reads 0-150 volts. Tells if line voltage is constant. A real value. Wt. 1½ lbs.

No. 2160. Type 75 Line Voltage Tester. Retail, \$3.00.
YOUR PRICE

\$1.76

Metered Voltage Regulator

For reducing excessive line voltages to proper operating voltages for all electric sets. Accurate A.C. meter for power rheostat mounted in bakelite case. Attractive appearance, very well made and priced far below its value.

Save Your Tubes

With the meter and the rheostat it is possible for you to regulate the current exactly where it should be regardless of your line current. This will save your tubes. Wt., 3 lbs.

No. 1998. List Price, \$6.50.
YOUR PRICE

\$3.82

QUALITY SPEAKER UNITS!

BALANCED ARMATURE SPECIAL UNIT



THE balanced armature type unit is known as the one capable of the most volume without chattering. The unit we offer here is one of the balanced armature type, well constructed, completely shielded. Completely encased and really a unit worth a \$12.00 list price.

Super Sensitive

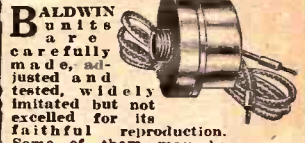
This unit is extremely sensitive. Will produce a very fine tone quality and will deliver tremendous volume. It is well worth while and it is because of a large "bust" that we are in position to offer it.

Priced Below Value

The low notes and high notes are faithfully reproduced in clear liquid natural tones. Will handle up to 700 volts. The price we offer this unit at is ridiculously low based on its list value. Shipping weight, 2 lbs. **List \$8.00 Your Price**

\$1.69

Baldwin Units



BALDWIN units are carefully made, adjusted and tested, widely imitated but not excelled for its faithful reproduction. Some of them may be lower in price—Baldwin is superior in quality to most units. Impedance range from twelve to thirty thousand ohms.

No. 6518. Type H-1, Unshielded. Wt. 2 lbs. List Price \$5.00.
YOUR PRICE . . . \$2.94

No. 6517. Type H-2, Completely Shielded. Wt. 2 lbs. List Price, \$6.00.
YOUR PRICE . . . \$3.53

No. 6516. Type C Unit. Wt. 2 lbs. List Price, \$5.00.
YOUR PRICE . . . \$2.94

No. 6548. Standard Unshielded Unit. Wt. 2 lbs. List Price, \$6.00.
YOUR PRICE . . . \$3.53

No. 6519. Rival Unit. Unshielded. Wt. 2 lbs. List Price \$6.50.
YOUR PRICE . . . \$3.82

No. 6520. Rival Model. Shielded. Wt. 2 lbs. List Price \$7.00.
YOUR PRICE . . . \$4.12

Baldwin Concert Units

These are the finest units Baldwin makes.
No. 6549. Baldwin Concert. Wt. 2 lbs. List Price, \$10.00. **\$5.88**
No. 6550. Baldwin Concert Grand. Wt. 2 lbs. List Price, \$12.00. **\$7.06**
YOUR PRICE

Temple Double Action Special Units



Each and every part has been designed and matched to every other part, resulting in a master piece. Most rigid tests and supervision, plus the air-gap construction, gives a total freedom from chattering under enormous volume. One of the most dependable powerful quality speaker units available. Wt., 2 lbs.

No. 6539. Retail, \$5.00. **YOUR PRICE \$3.53**

Utah Piano Units



Converts your Piano into a high grade radio reproducer. Easily attached to the sound board. Produces natural mellow tone quality with ample volume. Complete with 25 ft. cord. Wt. 3 lbs.

No. 6530. Retail \$10.00
YOUR PRICE . . . \$5.88

Utah Standard Units

With a new diaphragm design and tripod arrangement, faithfulness in reproduction is obtained. Highly nickel plated case. Wt. 3 lbs.

No. 6543. Retail, \$5.00. **YOUR PRICE . . . \$2.94**

Utah DeLuxe



New oversize unit. Has an enviable reputation for tone quality and volume. Ideal for air-column horn. Wt. 3 lbs.

No. 6544. Retail, \$7.50. **YOUR PRICE . . . \$4.41**

Utah Phono-Units



Standard unit arranged for phonograph. Will give satisfactory service with any phonograph. Wt. 3 lbs.

No. 6545. With Stand. Retail, \$8.00. **YOUR PRICE \$4.70**

No. 6546. Without Stand. Retail, \$7.50. **YOUR PRICE \$4.41**

Utah Big Chief Units



A high grade Utah unit designed especially for Conquest installation, and as a replacement unit in existing speakers. Attractively finished in nickel. Equipped with 5 ft. cord. Highly recommended. Wt. 2 lbs.

No. 6547. Retail, \$3.50. **YOUR PRICE . . . \$2.06**

Amplion Units



Amplion One Unit represents the ideal combination of improvements offering an intense magnetic field, laminated pole pieces, light moving parts, accurately balanced restoring springs, noiseless transfer levers, and scientific step-up ratio. Extremely sensitive, yet rugged in construction. Noted for its remarkable tone quality and ability to carry tremendous volume without distortion. Highly recommended. Wt. 3 lbs.

No. 6551. Retail, \$10.00. **YOUR PRICE . . . \$5.88**

Fidelity Units

A carefully and sturdily constructed loud speaker unit. Diaphragm of special alloy, light as aluminum but with five times its tensile strength, assuring elimination of vibration and long life. Wt., 3 lbs.

No. 6553. List, \$6.00. **YOUR PRICE . . . \$3.53**

Brielle BA Motor



This famous motor is especially for cone speakers. Large size permanent magnet and broad pole face and armature provides maximum action and sensitivity. Laminated pole pieces. Wt. 3 lbs.

No. 6540. Retail, \$14.50. **YOUR PRICE . . . \$8.53**

Best Cone Unit



Provides a uniform handling of high and low frequencies, with elimination of distortion. Rugged compact construction. Real volume and sensitivity. Highest quality throughout. Wt. 2 lbs.

No. 6541. Retail, \$8.00. **YOUR PRICE . . . \$4.70**

BBL Speaker Motor



A new and original Cone Speaker Unit, reproducing the broadcast voice and music throughout the entire frequency range. Tremendous volume without blasting due to magnetic saturation. A quality motor throughout. Wt. 3 lbs.

No. 6542. Retail, \$10.00. **YOUR PRICE . . . \$5.88**

Kodel-Kuprox Socket Power Units



A Model for Every Receiver

The name Kodel has been synonymous with efficiently designed power units since the early days of Radio. You can't go wrong with a Kodel power unit.

Kuprox "A" Power Packs



ing and the elimination of all hum. Has automatic control switch for B eliminator.

Model 302-A

Capacity 8 UX 201A or other similar tubes. Connects to the set same as a battery. No rewiring necessary. Capacity 2 1/2 ampere. Measures 5 1/4 x 7 x 12 1/2 in. Price complete. No. 8084. Retail \$35.00. YOUR PRICE **\$20⁵⁸**

Model 301-A

Use with sets employing UX 199 or other .06 amp. 3-4 volt tubes. Capacity 10 tubes or one ampere. Size 3 1/2 x 7 x 12 1/2 in. long. Price complete. No. 8085. Retail \$32.50. YOUR PRICE **\$19¹¹**

Kuprox Multi-Rate Rectifier

Dry Trickle Charger



A high grade trickle charger with a variable charging rate. Ideal for trickle charging of radio and auto batteries—operating dynamic loudspeakers—supplying radio filament current, etc. Provides for any charging rate between .25 and 1 ampere on 3, 4 or 6 volt batteries.

Has Many Uses

This charger can be used for any purpose requiring direct current of one ampere or less at six volts. Contains no bulbs, vibrator or other frail parts. Provides a maximum 1-ampere charging rate constantly regardless of the number of hours in service.

Any Charging Rate Up to 1 Amp.

You control the charging rate by a turn of the knob to the exact rate you require. This is an exclusive feature of the Kuprox Multi-Rate Trickle Charger. Size 3 1/2 x 8 1/2 in. No. 8088. Retail \$11.50. YOUR PRICE **\$6⁷⁶**

Kuprox ABC Power Packs

KUPROX combination ABC Power Packs are identical to those used in modern A.C. receivers except that the "A" portion supplies perfectly smooth direct filament current instead of the rapidly fluctuating, uneven alternating current. This permits the use of standard, time-tested and proven battery type of tubes such as the UX 201A, UX 222, etc. The B end of these units is of rugged and powerful design and construction.

Provide Constant, Carefree, Humless Power
The "A" section has a genuine Kuprox rectifying unit with sufficient output for 8 201A type tubes. The Kuprox drydisc rectifiers are noted for their long life and fool-proof construction.

Model 306 ABC

Consists of standard Model 302A and 310 B.C. Power Packs. Capacity 8 tubes at "A" 6 volts. "B" voltages are 45, 67 1/2, 90 and 135 volts and "C" voltages of 4 and 10 volts are provided. Size 10 1/2 x 12 1/2 in. No. 8081. Retail \$65.00. YOUR PRICE **\$38²²**

Model 307 ABC

Consists of standard Model 302A and 316 B.C. Power Packs. Capacity 8 tubes at "A" 6 volts. "B" voltages are 45, 67 1/2, 90 and 135 volts. "C" voltages of 4 and 45 volts are provided for use of type 171 power tube. Size 10 1/2 x 12 1/2 in. No. 8082. Retail \$67.50. YOUR PRICE **\$39⁶⁹**

Kuprox "B" Eliminator—Model 361B

Meets the demand for a small, yet highly efficient B eliminator. Operates without hum—gives greater volume and sweeter tone than batteries. Once installed requires no further attention.

For Sets Up to 6 Tubes

Supplies B current only up to 35 M.A. at 45-90 and 180 volts. Unaffected by line voltage and frequency variations. Requires UX 280 type rectifier tube, not included. Measures 4x11x7 1/2 in. No. 8083. Retail \$26.50. YOUR PRICE **\$15⁵⁸**



Model 310 BC

Supplies 22, 45, 67 1/2, 90 and 135 volts B together with 4 and 10 volt C current. Measures 5 1/2 x 11 1/2 in. long. Uses 280 type full wave rectifying tube. Tube not included. No. 8086. Retail \$35.00. YOUR PRICE **\$20⁵⁸**

Kuprox "BC" Power Units For Use with Large Sets

These power units are designed for large sets with UX 112 or 171 power tube equipment. They provide powerful, humless, dependable current. Equipped with separate adjustment for detector voltage output, they are the ideal power pack for use on all large receiving sets equipped with power tubes of the 112 and 171 type.

Model 316 BC

Supplies 22, 45, 67 1/2, 90 and 180 volts B together with 4 and 45 volts C current. Measures 5 1/2 x 11 1/2 in. Requires UX 280 full wave rectifying tube. Tube not included. No. 8087. Retail \$37.50. YOUR PRICE **\$22⁰⁵**

Kuprox Replacement Units

Kuprox drydisc rectifiers made up in standard units for replacing electrolytic jars, for rectifying bulbs, etc. are now available. They provide perfect, smooth rectification without service or care of any nature.

Type A-110. For use on Balckite type K, Silite and Vesta trickle chargers. Provide full wave rectification and 5-3 ampere charging rate. Last indefinitely.

Type AR-3. For use on Philco socket powers, Gould unipowers, Unifron, Exide, Willard, Eagle, G & G, Johnson, etc. Full instructions are supplied with each unit.

Type CR-1. Replaces Tungar 1 amp. (small) bulbs on the following power units—Tungar 1 amp. trickle chargers and all bulb types of Philco socket powers, Willard socket powers and Exide socket powers.

Type RG. Used as a replacement unit on vibrating battery chargers of the 6 volt type such as the Homecharger, Star, Valley, France, Sterling, Apco, Fore, Holmes, Interstage, Simplex, King, Full Wave, Niles, etc. Provide maximum charging rate of 1 amp. Noiseless in operation.

No. 8092. Type A-110

No. 8093. Type AR-3

No. 8094. Type CR-1

No. 8095. Type RG

Retail YOUR **\$2⁹⁴**
\$5.00 PRICE



Knight "B" Eliminator

FOR ALL SETS

NO LIQUIDS

NO HUM

AMPLE POWER

ATTRACTIVE

FOOL PROOF

PRICED RIGHT

USING RAYTHEON BH TUBES

THE New Knight "B" Eliminator using Raytheon tube, entirely eliminates "B" batteries and furnishes a steady, constant current for plate supply for radio receivers from an A.C. electric light source. This new powerful eliminator is equal to the best and better than many within \$10.00 of its cost. Will operate sets up to eight tubes including power tubes.

UP TO 180 VOLTS

The Knight "B" Supply will operate eight tubes including one power tube up to 180 volts. Has three variable adjustments. Has a fine filter circuit and finest materials throughout, entirely eliminating the usual loud hum.

THOUSANDS SOLD

The manufacturer of this unit has sold thousands of these eliminators and it is tried and found as perfect a unit as is obtainable. Uses type BH Raytheon tube. Size $7\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{2}$. Operates from 110 to 115 volt 60 cycle A.C. current.

A \$28.50 VALUE

This is regularly retailed at \$28.50 including the tube. Our Price Does Not include the Tube. Wt. 25 lbs.

No. 8062. List, \$28.50.

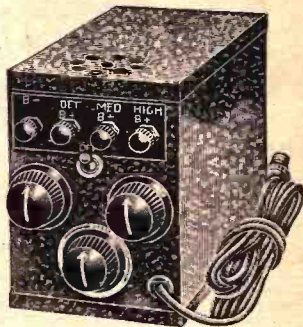
YOUR PRICE WITHOUT TUBE.....

RAYTHEON BH TUBE EXTRA

No. 206. Wt., 12 oz. List, \$4.50. YOUR PRICE.....

\$11.95

\$2.65



THE KNIGHT "B" ELIMINATOR CAN BE DEPENDED UPON FOR CONSTANT UNFAILING POWER

ORDER A SAMPLE AT \$11.95 PLUS THE COST OF THE TUBE. THIS IS A REAL "BUY"

Sterling Socket Power Units

STERLING B ELIMINATORS

MODEL RT-41 FOR RADIOLAS

For 2 to 5 tube sets and for Radiolas. Employs UX-213 type rectifier tube. Capacity, at 120 volts—25 mills. Variable amplifier and detector voltages. Measures $7\frac{1}{2}$ by $4\frac{1}{2}$ by $5\frac{1}{2}$ in. For 110 volts, 60 cycle "AC" operation. Tube not included.

No. 8110. Wt., 12 lbs. Retail, \$22.00. YOUR PRICE.....

\$12.94



STERLING "A" ELIMINATORS

A high grade meter equipped "A" Eliminator for sets up to 8 tubes, including power tube. Provides a simple positive long-lived dependable "A" Current.

DRY—NO LIQUIDS
Not a charger-battery combination. Uses the new Marathon $2\frac{1}{2}$ amp. dry disc rectifier. Supplies a maximum of $2\frac{1}{2}$ amp. continuously, at 6 volts.

FREE FROM HUM

A special oversize filtering condenser assures perfect freedom from hum. One installed, requires no further attention. Complete, ready for 110 volt, 60 cycle "AC" operation. $4 \times 10 \times 4$ in.

No. 8113. Retail \$39.50. YOUR PRICE.....

\$23.23



MODEL R-81 FOR 3 TO 5 TUBE SETS

Satisfactorily operates sets having 3 large tubes, including power tube when grid biased. Employs Raytheon type BH tube. Variable amplifier and detector adjustments—operates from 110 volt, 60 cycle AC current. Measures only $7\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{2}$ in. Tube not included.

No. 8111. Wt., 12 lbs. Retail, \$24.00. YOUR PRICE.....

\$14.11



FOUR VOLT "A" UNIT MODEL R-94 FOR RADIOLAS AND SETS USING 199 TUBES

Replaces the 4 volt "A" Battery or Dry Cells. For sets using up to 10 type 199 tubes. Automatic control switch, built-in, providing carefree automatic operation.

Large Capacity Condenser. Has specially designed condenser of extra capacity, so that it smooths out the last trace of hum. Employs standard .6 amp. Tungar Bulb. Measures only $7 \times 4 \times 10 \frac{1}{2}$ in. Bulb not included. YOUR PRICE.....

No. 8114. Retail \$28.00. YOUR PRICE.....

\$16.46



"BC" UNIVERSAL MODEL R-98

Operates on set using up to 100 milliamperes. Maximum "B" voltage of 180 volts, and 40 volts "C". Uses standard type BH Raytheon Rectifier Tube.

FOR MULTI-TUBE SETS

Adaptable for the largest sets. Both detector and amplifier voltages are variable. Operates from 110 volt, 60 cycle "AC" current. Measures only $4\frac{1}{2} \times 11\frac{1}{2} \times 6$ in. Tube not included.

No. 8112. Retail, \$35.50. Wt., 20 lbs. YOUR PRICE.....

\$19.70



Knigh Dry "A" Supply

**NOT A BATTERY CHARGER COMBINATION—
BONE DRY—NO VIBRATING PARTS—HUM-
LESS—NO MORE BATTERY TROUBLES**

2½ Ampere Output

This dry "A" eliminator is manufactured by one of the large power unit manufacturers of the country. Can supply eight tubes including a power tube. Includes a 2½ ampere rectifier that has a long record for high performance. Exhaustive tests and months of continuous service by the manufacturer has proven this. Entirely Dry. Requires no attention. No water—no acids—no moving parts.

Quiet Operation—No Hum

Dry electrostatic condenser, a creation of this manufacturer, combined with the efficient filter chokes give very excellent filtration and very excellent supply excelling a storage battery. For complete "A" electrification. Replaces battery, charger and relay entirely. Constant quiet "A" power instantly available at the flick of the switch.



**FOR
1 TO 8 TUBE SETS**

Economical

This unit is very economical to operate. From 110 to 115 volt. 50-60 cycle A.C. current. Size of unit. 4x10x7. Will use very little current and is supplied with a meter for perfect operation. Is used only when radio set is in operation. Utilizes current only while set is in use. No batteries, chargers or relays.

1 TO 8 TUBE SETS

For sets up to 8 tubes, including power tube.

Meter equipped for perfect control.

Single switch controls.

Simple, positive and dependable.

Easy to Install

This is a simple unit to install. Provides receptacle for plugging in any "B" supply. Meter equipped so that one may see when 6 volts is being delivered. This unit need only be plugged in. Contains a permanent push switch and is ideal and fool-proof.

YOUR PRICE

Priced Far Below Market Value

This unit has a normal list price of \$39.50 and is herewith offered to you at an extraordinary low price because of our volume purchases with its manufacturer, who is nationally known. Wt., 18 lbs.

No. 8074. List Price \$39.50

\$17⁸⁵

Chargers— BALKITE —Power Units

Dry Model "F"—2 Rate

Charges "A" batteries. Noiseless. Also supplies field voltage for 6 volt dynamic speakers. Two million in use. Absolutely dry, using Balkite new rectifier unit. Size, 4½x7½x6½. Operates from 110-120 volts A.C., 60 cycle. Charging rate .5 to .8 amp. Wt. 7 lbs.

No. 8115. List \$11.00. NET

\$6⁴⁷

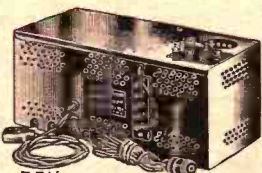


Model N Charger

This is the electrolytic standard Balkite Two Rate Charger. Size, 4½x7½x6½. Operates from 110-120 volt A.C. 60 cycle. Wt. 7 lbs.

No. 8013. List \$9.50. NET

\$5⁵⁹



DRY

AB COMBINATION

Replaces "A" and "B" batteries. Contains no battery. Operates only during reception. No adjustments, no accessories. Very quiet. Will also supply 110 volt Dynamic speaker. A complete power supply. This is a dry unit with an output of 2 amperes at 6 volts for the "A" supply. The "B" supply uses UX280 rectifier tube with an output of 30 mllis at 167 volts. Size, 8x16x7. Uses 110-120 A.C. 60 cycle current. Wt., 28 lbs.

No. 8116. List Price **\$40⁸⁷**
\$69.50. OUR PRICE

"B" POWER SUPPLY MODEL T-DRY

Uses 280 rectifier tube. Operates from 110-120 volt A.C. 60 cycle. Absolutely bone-dry. Can also operate 110 volt Dynamic speaker. Supplies "B" current from the light socket. Wt. 15 lbs.

No. 8117. List Price—less tube \$28.00.

YOUR PRICE.. **\$16⁴⁶**



"B" Supply—Model "E"

Uses the electrolytic Balkite "B" eliminator with the same capacity as above unit. Also operates from 110-120 volt A.C. 60 cycle. Size, 4½x8½x8½ in. The old standby Balkite "B" eliminator. Wt. 15 lbs.

No. 8118. List Price \$32.00. YOUR PRICE.....

\$18⁸²



SUPER POWER B ELIMINATOR

YOUR \$15⁹⁵
PRICE

Constant Output

Dependable Power

The Super Power B Eliminator is manufactured by a nationally known manufacturer who has been in production on this unit for many years. Uses a Raytheon tube and maintains a standard output voltage at all terminals regardless of load or line variations. Easy to attach. One of the finest eliminators built.

Quiet Operation — No Hum

Supplies B and C current for any radio set up to 100 mills—without hum. Maximum voltage 180 volts. "C" voltage 40 volts. Has two variable regulators, for detector and R.F., also regulator for A.F. and power voltages.

For the Largest Sets

This unit can be used on the largest sets now in use. Operates from 110 to 120 volts 60 cycle A.C. current. Size, 4 1/2 x 11 1/2 x 6 in.

Compare It With Any

Compare this unit with the best on the market. Binding posts plainly marked supplying all voltages. This is a real buy and a wonderful unit although it is not the cheapest inasmuch as it is a real quality B eliminator.

Permanent Power

Using the Super Power eliminator you may forget all B battery troubles. It is a wonderful value at a much lower price.

Dry — No Liquids

Absolutely dry. Uses Raytheon BH tube. No liquids. Uses large humless filter container for filtration.

Note—Raytheon tube must be purchased extra with this unit. The unit will not work without it.

No. 206. Raytheon BH tube. List \$4.50. YOUR PRICE..... \$2.65



No. 8033

SUPER POWER

B Eliminator

YOUR NET PRICE WITHOUT TUBE

\$15⁹⁵

RADIO'S SUPER VALUE

GREENE BROWN

"B" Eliminators



Greene Brown power units are ruggedly constructed, scientifically developed and nationally known for their superior performance. It may be used with any standard radio receiver. Constant un-failing power. Quiet and humless.

No. 8063. 5-6-7 Tube Model. For all sets up to 7 tubes including power tube. Capacity, 35 mils and 135 volts. Hum free and dry. Operates from 110 volt 50-60 cycle A.C. Size, 3 1/2 in. wide, 9 1/4 in. high, 9 in. long.

Handsomely finished metal case. Complete with tube. Shipping weight, 22 lbs. With Tube. List. \$27.50. YOUR PRICE.....

\$1617

No. 8064. Hi-Power "B". A heavy duty unit for all high voltage sets up to 10 tubes. 6 output posts for simplified installation. B—, 45+, 67+, 90+, 135+, 180+. No variable adjustments. Requires no attention. Shipping weight, 25 lbs. With Tube. List. \$30.00. YOUR PRICE.....

\$1764

No. 8065. "B" Royal 25-40 Cycle. Heavy duty model power unit for use with 25-40 cycle 110 volt alternating current. Will operate all high voltage sets up to 10 tubes. Shipping weight, 25 lbs. With Tube. List. \$40.00. YOUR PRICE.....

\$2352

KINGSTON POWER SUPPLY UNITS

"A" Current Supply Unit



New Kingston product. A dependable, reliable "A" power supply unit for use with all D.C. tubes. May be used with any standard set having from 4-199 tubes to 9-201A and 1 power tube.

Dry—requires no attention. Maximum current output is 2 1/2 amp. at 6 volts. Uses the well known Elkon rectifier. Dimensions, 10 1/4 in. long, 6 1/4 in. wide, 7 1/4 in. high. May be had with or without Wester voltmeter. Shipping weight, 35 lbs.

No. 8066. With Voltmeter. List. \$48.00. YOUR \$2822 PRICE..... No. 8067 Without voltmeter. List. \$40.00. YOUR \$2352 PRICE.....

KINGSTON "B" CURRENT SUPPLY UNITS

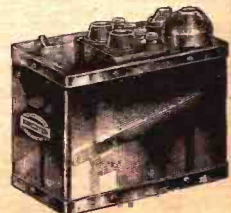
New improved Kingston "B" Eliminators use the new Raytheon 125 milliamperes BH tube. Provided with 3 voltage terminals. Each adjustable over a wide range making possible any desired voltage from 5 to 200. Dimensions, 9 in. long, 5 1/4 in. wide, 8 1/4 in. high.

Model 2

No. 8037. Model 2. For all receiving sets having up to 8 tubes without type 171 power tube. Operates from 110 to 120 volts A.C. 60 cycle current. Shipping weight, 25 lbs. List. \$32.50. YOUR \$1911 PRICE.....

Model 2A

No. 8038. Model 2A. For all sets of 9 or more tubes including 171 power tube. Has high voltage and high output capacity. For operation from 110 to 120 volts 60 cycle A.C. current. Shipping weight, 25 lbs. List. \$42.50. YOUR \$2499 PRICE.....





SUPER POWER

ELIMINATES THE "A" BATTERY

A Real Value

A genuine "A" eliminator representing the foremost engineering advance in rectification of A. C. current for use in the "A" circuit of radio receivers. No "A" battery charger combination but a new principle of rectification through a high capacity condenser.

CONSTANT — UNFAILING

This Super Power "A" can be depended upon for years of constant unflinching service. Its output of 2½ amperes at 6 volts is steady, dependable and free from hum. It places in the discard the old troublesome battery and charger and offers in its place a clean, trouble free unit that puts a definite end to your "A" battery troubles.

For All Sets Using 201A Type DC Tubes

Our tremendous sales volume makes possible this low price to our dealers. Buying for cash, we offer our dealers lower prices.

No. 8001
Shipping
wt., 25 lbs.
List Price
\$35.00
Your Price

\$15⁷⁵
NET

The Super Power "A" is adaptable to all sets employing five volt DC tubes — 201A and Power tubes. In connection with a B eliminator it completely electrifies your set and assures you of constant, uninterrupted reception.

NO TUBES

The Super Power A is a complete, self-contained unit. It employs no tubes to burn out or deteriorate.

NO HUM

Perfect freedom from hum is a unique feature of the Super Power A. It assures perfect reception.

NO BATTERIES

The Super Power A contains no batteries. It cannot run down. It is always on the job when the power is turned on.

NO CHARGERS

The Super Power A eliminates entirely the messy battery and charger. Being a complete unit in itself, no accessories are required for its operation.

NO NOISE

Battery noises commonly blamed on static from run down batteries are entirely eliminated in a Super Power installation. It offers you perfect Quiet hum-free A. C. current.

New Tube "A" Supply

Completely dry "A" eliminator. Replaces "A" battery and chargers entirely. Consists of Tube Trans-A-Former and Tube "A" Filter completely assembled. 8-tube capacity will take care of practically any battery set. No wiring or rewiring of set necessary. Supplies constant "A" current. Requires no attention once installed.
No. 8108, Tube "A" Supply, Wt., 15 lbs. **\$19.40**
List \$33.00. YOUR PRICE.....

Tube Trans-A-Former

A complete rectifying unit assembled within one case, includes a step down transformer and a rectifying unit with a three ampere capacity. Fits neatly and quickly on a Tube "A" Filter.

No. 1404, Tube Trans-A-Former complete with cord and plug. Wt., 7 lbs. **\$8.82**
List \$15.00. YOUR PRICE.....

Tube-A-Filter

Will convert any two or five amp. bulb or electrolytic charger into a good "A" supply unit in a minute's time. Consists of two Tube Dry A 8000 mfd. condensers and two chokes. Completely wired. Simply attach to any good transformer plus charger for complete "A" elimination. Size 1x5x4¼ in. Wt., 8 lbs. **\$10.58**
No. 1405, List \$18.00. YOUR PRICE.....



Greene-Brown Dry "A" Unit

A battery-less bone dry "A" eliminator of advanced design. Entirely eliminates the annoyance and inconvenience of wet or dry "A" batteries. It provides a steady, unflinching source of "A" current for the operation of five volt type D.C. receivers. Its trouble free operation coupled with its amazing performance will win for it a ready market wherever D.C. receivers are being used.

A Super, Heavy Duty Unit

The Greene-Brown Dry "A" Unit is the result of careful engineering and years of experimental work to produce an unflinching, hum-free power for radio reception. Its authorized construction plus the high safety factor of its component parts imparts to it a ruggedness that insures many years of trouble free service. Delivers 2½ amperes at 6 volts. For use on sets employing up to ten 201A type tubes. A real value.

No. BQ25, Shipping weight, 25 lbs. **\$22.05**
Retail, \$37.50.
YOUR PRICE.....



New Abox "A" Eliminators

A six volt A.C. converter that provides a steady source of six volt direct current for the operation of radio receivers. In connection with a "B" eliminator it offers complete A.C. electric operation.

Consists of a rectifier and filter so perfectly engineered that it is impossible to detect a trace of hum. The high capacity heavy duty electrolytic rectifier used, provides a steady, non-fluctuating current. The metal housing acts as a shield, effectively confining the field of the oversized transformer so that it cannot interfere with the operation of the most sensitive receiving sets.

6 Volt Type

No. 8007,
Wt., 25 lbs.
Retail Price, \$35.00

YOUR PRICE
\$20⁵⁸

4 Volt Type

No. 8068,
Wt., 20 lbs.
Retail Price, \$27.50

YOUR PRICE
\$16¹⁷



The SUPERPOWER "AB"

Combination

ELECTRIFY YOUR SET

The Dry "A" and Dry "B"

THIS combination of the Knight Dry "A" and the Knight Dry "B" using a Raytheon tube, makes the finest combination "A" and "B" eliminator for use with one to eight-tube sets, including power tube.

These twin power supplies are manufactured by one of the largest power supply manufacturers in the country.

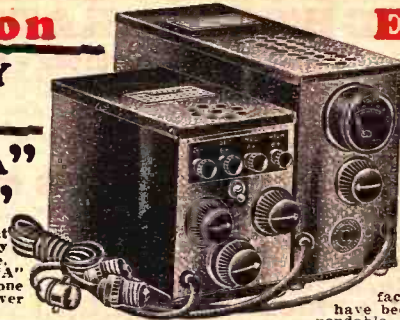
QUIET - CONSTANT

For those who now have battery operated sets, this combination supply is ideal to electrify the set. The dry "A" has receptacle for the "B" and requires only turning on or off a switch to release the smooth 110-115 volt 60 cycle current. No hum because of the fine filter circuit.

The combined width of space taken by this combination is only 8 1/2 in. while the height is 7 1/4 in. maximum and the depth 10 1/4 in. Very compact.

For Sets From 1 to 8 Tubes

This combination is for sets from 1 to 8 tubes including a power tube and these two units combined require no water, no acids of any kind.



ELIMINATORS

PLUG INTO THE LIGHT SOCKET

No Water--No Acids

MOST of the cheaper combinations of "A" and "B" eliminators require waters or acids. This combination requires only a Raytheon type BH tube which does not require replacement for over 1,000 hours. All these claims made by the manufacturers have been substantiated by their successful manufacture of quality products. These units have been tried by thousands and found dependable.

A Tremendous Value

Needless to say we offer here a retail value of \$68.00, at a price and discount which is astonishing. We offer this combination of the Knight "A" eliminator and Knight "B" Eliminator together with Raytheon BH tube and ask you to compare their value with any similar combination. Their performance is outstanding.

No. 8075, Including "A" Eliminator, "B" Eliminator and Raytheon BH Tube. Wt., 59 lbs.

List Price \$68.00

Your Price

\$32⁴⁵

The FAMOUS WEBSTER POWER UNITS

Bone-Dry "A" Model A-10

The Webster Model A-10 Bone-Dry "A" eliminator is a compact power supply unit providing an output of 2 1/2 amperes at 6 volts. It has been carefully engineered and its design is such that it can be depended upon for long, continuous, uninterrupted service. It entirely eliminates the troublesome "A" battery and charger combination and provides in their place a trouble free unit always ready to serve you at the turn of a switch.

Supplies 2 1/2 Amps at 6 Volts

The high output of the Bone-Dry Webster "A" is sufficient to properly operate a receiver having as many as ten 201A type tubes or any receiver having an amperage draw not exceeding 2 1/2 amperes. In operation, the Bone-Dry "A" provides a steady, hum-free six-volt current to the receiver, assuring you of consistent reception under all operating conditions. Equipped with a variable resistance controlling the power to local line conditions. A built-in relay switch enables the "B" eliminator to be plugged into the dry "A" unit so that both may be controlled from the pendant switch on the "A" unit. For all 5-volt tubes, 201A type, and power tubes.

Genuine Elkon Rectifiers

Genuine Elkon rectifier and condenser units are used in the Webster Bone-Dry "A". These units have demonstrated their stamina through severe tests and are generally accepted by the trade as long life, service free units. The Webster Dry "A" solves a demand for an efficient "A" eliminator. Stands 10 1/2 in. high, 6 1/2 in. wide, 11 1/2 in. long. Its compact design permits its use in practically any type of console. A real value. Weight, 30 lbs.

No. 8105
Regular \$35.00 Retail
Your Price

\$20⁵⁸

Reliable "B" Eliminator

The Webster reliable "B" unit has earned an enviable reputation for quiet and economical operation. It is provided with two variable controls governing the detector and amplifier output and an extra power tap supplying 135 to 180 volts. It can be arranged to deliver current values for detector up to 6 7/8 volts, 90 and 135 volts for intermediate output and up to 180 volts for power output.

It is fully adjustable to meet the requirements of any set. Designed for Raytheon tube electrification. Stands 6 in. high, 6 1/2 in. wide, 11 1/2 in. long. Price does not include tube. Weight, 18 lbs.

No. 8106

Retail \$18.50

Your Price

\$10⁸⁸

Without Tube



Super "B" Eliminator

Designed to meet the requirements of any receiver drawing up to 60 milliamperes with five tubes or more. Three variable controls control detector, amplifier and power tap outputs. Its large capacity delivers sufficient surplus current to assure perfect operation of the receiver. The variable taps can be adjusted to fit the exact needs for best reception. Designed for Raytheon tube electrification. Stands 6 in. high, 6 1/2 in. wide, 11 1/2 in. long. Price quoted does not include tube. Weight, 20 lbs.



No. 8107
Retail \$24.00

Your Price

\$14¹¹

Without Tube

Chargers—Tungar, Elkon, Knight

KNIGHT TWO-RATE CHARGER

Bone Dry - Noiseless - Economical

Dry, noiseless, efficient. The Knight Two-Rate Charger is economical and compact. It uses the new dry disc rectifier. Will charge batteries quickly up to 2 amperes. Size $3\frac{1}{2} \times 5\frac{1}{2} \times 3\frac{1}{4}$ inches. Shipping weight, 5 lbs.

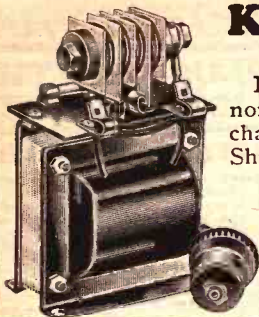
COMPACT—REQUIRES SMALL SPACE

Very compact, requiring small space. Two charging rates, 7 amperes and 2 amperes, changed by changing position of the fuse. The biggest charger value today.

No. 8079. List, \$12.00.

YOUR PRICE

\$4⁹⁵



New Tungar Chargers

For charging radio and automobile storage batteries. Unusually quiet in operation. Complete absence of moving parts. Will charge 2, 4, or 6 volt radio A batteries and can also be used to charge 24 to 96 volt B storage batteries in series of 1 to 25 amps. May be connected to the A battery permanently for full control from the lighting circuit.

The transformer is thoroughly insulated and is completely embedded in compound, eliminating all objectionable noise and making it impossible to burn out tubes.



No. 8046. For 110 v., 60 cycle operation. 5 amp. size. Wt., 15 lbs. Retail, \$24.00. **\$15²⁹**

No. 8047. For 110 v., 60 cycle operation. 2 amp. size. Wt., 10 lbs. Retail, \$14.00. **8⁹²**

No. 8048. For 25 cycle operation. 2 amp. size. Wt., 9 lbs. Retail, \$18.00. **11⁴⁷**

STANDARD TUNGAR BULBS \$5¹⁰

No. 126. 5 amp. size. Retail, \$8.00. **YOUR PRICE**

No. 125. 2 amp. size. Retail, \$4.00. **YOUR PRICE**

No. 127. 6 amp. size. Retail, \$4.00. **YOUR PRICE**

Tungar Trickle Chargers

Designed for continuous operation on 4 or 6 volt radio A battery providing a dependable A supply from the lighting circuit. Small, compact and economical in operation.

Adjustable Charging Rate

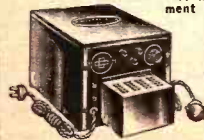
Charging rate is adjustable from .1 to .5 amperes per hour to meet individual requirements. Furnished complete with battery clips and 8 ft. of A.C. cord ready to plug in. complete ready for installation. Wt., 8 lbs. **\$6³⁷**

No. 8051. Retail, \$10.00. **YOUR PRICE**

Knapp A Eliminator

A high grade A eliminator that supplies filament voltage of 3, 4 or 6 volts. Not a battery charger combination. Employs the famous Elkon rectifier and three dry Elkon condensers for rippleless, humless current. Supplies 24 amperes at 6 volts. Operates on a 105-120 volt A.C. 50-60 cycle current. Complete with B eliminator receptacle and pendant switch which controls set A power and B eliminator. Highly recommended. Once installed requires no further attention. Wt., 25 lbs. **\$22⁰⁵**

No. 8073. Retail, \$37.50. **YOUR PRICE**



Elkon Tapering Chargers

Trickle Type

A new idea—A high charging rate when the battery is low—low rate when the battery is high. Maximum charging rate of one ampere. Uses Elkon dry disc rectifiers. Absolutely dry, no corrosion, no trouble, no attention, no moving parts. Long, dependable life. Weighs 8 lbs.



No. 8056. Retail, \$10.00.

YOUR PRICE \$5⁸⁸

Three Ampere Type Charger

For radio or automobile batteries. Provides a noiseless, absolutely dry, trouble free unit with the famous tapering feature protecting the battery. Uses the famous replaceable Elkon rectifiers that will last for years. No moving parts. Silent in operation. Maximum charging rate of three amperes. Wt., 15 lbs.

No. 8026. Retail, \$13.50. **\$7⁹⁴**

Elkon High Capacity Dry Condensers

Genuine Elkon dry type high capacity condensers. Used in the leading A eliminators and in all filter systems where high capacities are needed. Perfectly dry, being baked for twenty-four hours at a temperature of 2000 before sealing in can. Measures $2\frac{1}{2} \times 3\frac{1}{2}$ in. Wt., 2 lbs.

No. 8099. 750 mf. Retail, \$4.50. **\$2⁶⁵**
 No. 8100. 1250 mf. YOUR PRICE

No. 8101. 1500 mf. YOUR PRICE

No. 8102. 2000 mf. PRICE

Elkon Replacement Units For Balkite Chargers

For Models N and K Chargers

The only authorized replacement rectifier for Balkite chargers. They snap into place on the old charger and give it new life. They are solid, dry, noiseless, need no attention and perform perfectly for years. They increase the charging rate on the type N unit to one ampere and on the type K unit to .8 amperes. Wt., 4 lbs.

No. 8103. Retail, \$5.00. **\$2⁹⁴**

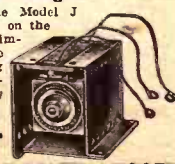
YOUR PRICE

For Model J Balkite Charger

Genuine Elkon replacement unit for the Model J Balkite Charger. Snaps instantly into place on the Charger. Instructions for installation are simple. They increase the charging rate of the type J charger fully 20% on all charging rates. They are noiseless, dry and dependable under all operating conditions. Highly recommended. Wt., 5 lbs.

No. 8104. Retail \$7.50. **\$4⁴¹**

YOUR PRICE



Chargers, Relays and Rectifiers

Valley Chargers



This charger will charge both 6 and 12-volt batteries by means of binding post connections. Is a rotating, vibrator type. Has non-shocking bakelite panel and clear vision glass cover. Wt., 14 lbs.

No. 8096. For 110-volt, 60-cycle A.C.
List, \$19.50.
YOUR PRICE \$11.47

No. 8097. For 110-volt, 25-cycle A.C.
List, \$21.00.
YOUR PRICE \$12.35

Yaxley Automatic Power Controls Voltage Relay



A device for completely controlling the current to your set from eliminators, or batteries. Neat, black enameled case with full instructions for attaching in each box. Wt., 1 1/2 lbs.

No. 5738. List, \$7.50.
YOUR PRICE \$4.41

Yaxley Automatic Relay

An automatic relay for controlling the "R" eliminator and charger automatically from the radio switch. Perfect electrical connections. Thoroughly dependable.

Type 444—series type
No. 2371. For sets with current draw equal to 4 159 tubes and up to 11 201A tubes. Wt., 1 1/2 lbs.
List, \$5.00. **YOUR PRICE \$2.94**

Type 445—multiple type
No. 2372. No voltage drops. May be used with any set and any number of tubes. Wt., 1 1/2 lbs.
List, \$6.00. **YOUR PRICE \$3.53**

Rex Relay



A low priced automatic relay. Easy to install and dependable. Good for eliminator and battery operated sets. Wt., 1 1/2 lbs.

No. 2370. List, \$3.00. **YOUR PRICE \$1.71**

Full Automatic Relay

An "A" and "B" relay for use with trickle chargers and "B" eliminators. Particularly compact. Wt., 1 1/2 lbs.

No. 2375. For sets with 6-volt batteries. List, \$3.50.
YOUR PRICE \$2.06

2 Amp. Cut-out Type

Makes control of power entirely automatic. Cuts off charger when battery is fully charged. Wt., 2 lbs.

No. 2376. For sets using 6-volt batteries. List, \$7.50.
YOUR PRICE \$4.41

Webster 3 Ampere Chargers

The New Webster Bone Dri Charger when once installed needs no further attention. Charges at full rate of 3 amps.

Provides Tapering Charge

When your "A" battery is low, the rate of charge is high, and when the battery is high, the charging rate is low. This feature insures you against the possibility of over-charging your battery. For 110-volt, 60-cycle A.C. Size, 4x6x7 in. Wt., 6 lbs. List, \$12.50.
No. 8098. **YOUR PRICE \$7.35**



New Brach Relay for "A" Eliminators

A new and novel automatic relay which is up-to-the-minute in every respect and which will not stick. Recommended for use with any type of "A" eliminator. For use with 110-volt A.C. Wt., 2 lbs.
No. 5739. List Price, \$6.50.
YOUR PRICE \$3.82

Brach Controlit Switch

An automatic relay for "A" battery charger and "B" eliminator. Automatically switches "B" eliminator off and charger on or off as the set is switched on or off. Entirely automatic. Wt., 1 1/2 lbs.

No. 2373. R-6, for 6-volt sets.
No. 2374. R-4, for 4-volt sets. List, \$4.50.
YOUR PRICE \$2.65



Reliable Automatic Relay

Reliable, automatic power control switch for use with trickle charger and "B" eliminator. Automatically turns on or off either or both as required. Its use advised with every "B" eliminator. Wt., 1 1/2 lbs.

No. 2377. List, \$2.00. **YOUR PRICE \$1.18**



Service Station Battery Chargers

These modern service station chargers come complete with 6 ampere Genuine Tungar bulb. Handle controls current and meter shows current being passed. Efficient, automatic and totally enclosed.



There's Profit in Charging Batteries

The reasonable price and usual large profits to be made in charging radio and automobile batteries, pays for equipment in short time.

A Type For Every Need

No. 8076. Type 6-B for 1 to 6 batteries. 110-220-volt. 50 or 60-cycle. 6-amp. charger. Weight, 96 lbs.
YOUR PRICE \$44.10

No. 8077. Type 6-B for 1 to 6 batteries. 110-220-volt. 25, 30 or 40-cycle. 6-amp. charger. Weight, 112 lbs.
YOUR PRICE \$53.90

No. 8078. Type 15-B for 1 to 15 batteries. 110-220-volt. 50 or 60-cycle. 6-amp. charger. Weight, 112 lbs.
YOUR PRICE \$68.60



Handy Two-Rate Trickle Chargers

The ideal charger for all around use—efficient and quiet. The latest development in chargers providing a double charging rate. Has ammeter and dry indestructible metallic tube.

The Trickle-Booster Principle

For ordinary use throw toggle switch to "low." If battery is below normal, switch to "high" for a quick charge. "Low" rate is 1/2 ampere—"high" rate is 2 to 2 1/2 amperes. Wt., 10 lbs.

No. 8069. 110-volt, 50 to 60-cycle. A.C. List, \$14.00. **YOUR PRICE \$8.23**

No. 8070. 110-volt, 25, 30 or 40-cycle A.C. List, \$16.00. **YOUR PRICE \$9.41**

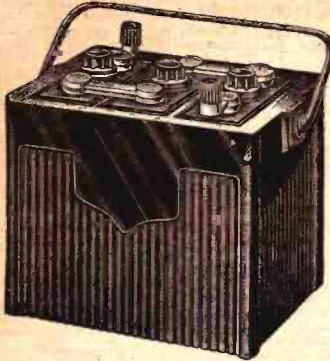
Handy Metallic Rectifiers

Dry, noiseless tube, delivers maximum 2 1/2 amperes or trickle charge. May be used in Handy Two-Rate chargers or any standard bulb chargers. Wt., 12 oz.

No. 8737. List, \$4.00. **YOUR PRICE \$2.35**



Storage Batteries & Accessories



Heavy Duty Leak-Proof

3 Year Guarantee

A high capacity thick plate, sturdy rubber ebonite battery. Solid construction, sealed cells. Shipped fully crated and charged; rigid leads at grids. Guaranteed for three years against any defect in material and workmanship. Fully rated capacity at 1 amp. discharge.

- | | | | | |
|---|--|--|--|--|
| No. 8601
6-volt, 60-amp.
Wt., 40 lbs. | No. 8602
6-volt, 100-amp.
Wt., 47 lbs. | No. 8603
6-volt, 120-amp.
Wt., 50 lbs. | No. 8604
6-volt, 150-amp.
Wt., 55 lbs. | No. 8605
Special 100-amp., thinner plate 11. Wt., 45 lbs. |
| \$5.88 | \$7.11 | \$8.82 | \$10.35 | \$6.55 |

In-A-Cap Hydrometer

All damage to rugs and furniture caused by the spilling of battery acid, can now be avoided by the use of this novel set of hydrometers. Fit into the screw vent of all standard storage batteries. In-A-Cap Hydrometers can be permanently installed into each individual cell. It is not necessary to remove the hydrometer to take readings. Instantly shows the condition of each cell. Wt., 1 lb. No. 6214. Retail per set of three, \$3.00. **YOUR PRICE...**



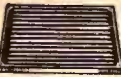
\$1.30

Battery Terminal Connectors



Makes perfect connections to "A" Batteries having plate terminal posts. Blips over post. Wt., 6 oz. No. 6246. **YOUR PRICE... 19c** No. 6247. Retail per set of three, \$3.00. **YOUR PRICE... \$1.78**

Rubber Battery Mats



A well built acid resisting rubber battery mat. Takes largest size batteries.

Wt., 8 lbs. No. 6208. Retail, **36c** \$1.00. **YOUR PRICE...**

"B" Battery Meter



Tests your "B" Batteries. Shows their condition. Tests all "B" Batteries. Combination meter, also tests 1 1/2 volt dry cells. Wt., 1 lb.

No. 2079. 0-50. **55c** No. 2080. Combination Volt-ammeter, 0-35 amps., -0.60 volts. **YOUR PRICE... 75c**

Charge Indicator



A small pocket meter that quickly indicates when your battery is dead - requires charging, or is fully charged. Eliminates the messy hydrometer. Wt., 8 oz.

No. 6206. Retail, **68c** \$1.50. **YOUR PRICE...**

Bede Test-A-Bat



Mounts directly on any storage battery. Pressing the button quickly indicates condition of battery. Complete with all attachments. Wt., 8 oz.

No. 6201. Retail, **\$1.05** \$1.75. **YOUR PRICE...**

Battery Clips



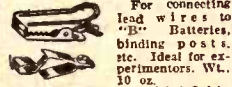
Non-corrosive, perfect gripping clips. Fit any size storage battery terminal. Lead covered. Wt., 6 oz. Large use. **TWO FOR... 18c**

Battery & Radio Clips



Built for lighting service. The strong spring action tension makes perfect contact at all times. Ready lead coated to prevent corrosion. Shipping wt., 2 oz. to 8 oz. each. No. 6228. 10 amp. size, 1 1/2 in. long—jaws open, 3/4 in. **YOUR PRICE... 37c** No. 6229. 25 amp. size, 2 1/2 in. long—jaws open 1 in. **YOUR PRICE... 67c** No. 6230. 50 amp. size, 3 1/2 in. long—jaws open 1 1/2 in. **YOUR PRICE... \$1.30** No. 6231. 100 amp. size, 4 1/2 in. long—jaws open 1 in. **YOUR PRICE... \$2.40** **LOTS OF TEN...**

Connecting Clips



For connecting lead wires to "B" Batteries, binding posts, etc. Ideal for experimenters. Wt., 10 oz. Neat nickel finish. No. 6209. **YOUR PRICE... 37c** No. 6210. Pee Wee, copper finish—small pocket size. **YOUR PRICE... 7c** No. 6211. Lead covered for storage "B" Batteries. **YOUR PRICE... 37c** **PER DOZ...**

Battery Cable Connector

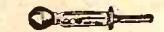
Flexible stranded conductor wire, with soldered spade type terminals. Packed 25 in carton. No. Length **PER 25 PKG.** 6232. 3 in. Wt., 1 1/2 lb. **55c** 6233. 6 in. Wt., 1 1/2 lb. **63c** 6234. 8 in. Wt., 2 lbs. **70c** 6235. 12 in. Wt., 2 lbs. **78c**

Bargain Hydrometer



A well made hydrometer with accurately graduated float. Tests storage "A" and "B" Wet Batteries. Wt., 1 1/2 lbs. No. 6248. Retail, 50c. **YOUR PRICE... 23c**

S.O.S. Hydrometer



Chaslyn Type. If all three balls float, battery is charged—if one sinks, battery is nearly charged—with two down, the charge is low—and with all three down, the battery is dead. Wt., 1 1/2 lbs. No. 6249. Retail, 50c. **YOUR PRICE... 49c**

Leader Hydrometer



Has accurate beaded float which is practically unbreakable. The rubber bulb and stem are of high grade live rubber that retains resiliency. Wt., 1 1/2 lbs. No. 6203. Large size highly recommended. Retail, 50c. **YOUR PRICE... 39c**

Service Hydrometer



Extra large size heavy duty Hydrometer for battery stations, and dealers. Accurately calibrated beaded float that is practically unbreakable. Rubber parts are high grade live material in shock absorbing construction. Wt., 1 1/2 lbs. No. 6260. Retail, \$2.50. **YOUR PRICE... \$1.45**

Hydrometer Floats



High grade replacement float that fits practically any standard Hydrometer. No need to throw away the old Hydrometer. Wt., 4 oz. No. 6204. Retail, 25c. **YOUR PRICE... 17c**

Battery Cables



Made of high grade flexible stranded rubber, insulated and braided covered conductors. For "A," "B" and "C" battery connections. Conform to R.M.A. color code. Soldered terminal lugs prevent loose connections. Wt., 6 oz. to 1 1/2 lbs.

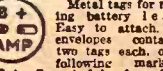
- | | |
|-------------------------|------------------------|
| 4 1/2 FT. LONG | |
| No. 6236. 5 conductor. | Retail, 50c. NET... |
| No. 6237. 6 conductor. | Retail, 60c. NET... |
| No. 6238. 7 conductor. | Retail, 70c. NET... |
| No. 6239. 8 conductor. | Retail, 85c. NET... |
| No. 6240. 9 conductor. | Retail, \$1.00. NET... |
| No. 6241. 10 conductor. | Retail, \$1.15. NET... |
| 10 FT. LONG | |
| No. 6242. 5 conductor. | Retail, \$1.25. NET... |
| No. 6243. 6 conductor. | Retail, \$1.55. NET... |
| No. 6244. 7 conductor. | Retail, \$1.85. NET... |
| NET | \$1.05 |
| No. 6245. 8 conductor. | Retail, \$2.15. NET... |
| NET | \$1.28 |

Cable Markers



Easily read markers that fit snugly to the wire. Packed in boxes of 11. A+, A-, B-, C+, C-, B+Det., B+Att., B+R.F., B+P.F., G+P.F., 3 oz. No. 6227. Retail, per set, 25c. **YOUR PRICE... 16c**

Battery Lead Tags



Metal tags for marking battery lead connections. Easy to attach. In envelopes containing two tags each, of the following markings: B+Det., B+, A+, A-, I+B Amp. Wt., 2 oz. No. 4001. Retail, per set, 15c. **YOUR PRICE... 7c**

Heavy Duty "B" Batteries

KNIGHT B BATTERIES



Manufactured to our exacting specifications by a nationally known manufacturer. Knight batteries have already earned a reputation for long life and quiet operation. Their low price enables the dealer to realize a handsome profit on his B battery business. Nothing has been spared in the manufacture of these batteries to make them one of the best batteries on the market.

Noted For Their Long Life

Knight batteries are noted for their low internal resistance and exceptional long life. Your trade wants good batteries—give them Knights. Their low internal resistance eliminates many battery noises commonly blamed on static. Good batteries improve reception. You cannot afford to take a chance on inferior batteries. Standardize on Knight. You will be ahead in the long run.

The Low Price

Means Extra Profit For You!

Mass production and the use of labor saving machinery has so lowered the cost of Knight battery construction that these low prices are possible. The savings thus effected are passed on to our dealers so that they in turn may reap a larger profit. You can buy a big heavy duty Knight for the price you would ordinarily pay for a regular size standard B battery.

45 VOLT HEAVY DUTY

No. 5727. For multi-tube sets. Their extra large size means many months of additional service. Should be used on all sets employing power tubes. Highly recommended. Size 3 1/2 x 4 1/2 x 7 1/4. Wt. 13 lbs.

Retail \$3.75
YOUR PRICE **\$1.98**

45 VOLT UPRIGHT

No. 5725. Large upright standard type batteries for use on five and six tube sets. Perfectly insulated large cells assure long life. Tapped at 2 1/2 volts. Size 8 1/2 x 3. Wt. 11 lbs.

Retail \$2.50
YOUR PRICE **\$1.39**

22 1/2 VOLT UPRIGHT

No. 5726. A long life battery designed for use where space is limited. A fast moving popular size battery measuring 4x3x8 in., which every dealer should stock. Wt. 6 lbs.

Retail \$1.75
YOUR PRICE **72¢**

4 1/2 VOLT 'C' BATTERY

No. 5728. Standard type C battery which should always be used with power tubes. Reduces B battery drain. Assures proper amplification without distortion. Size 1 1/2 x 2 1/4 x 4. Wt. 1 lb.

Retail 50¢
YOUR PRICE **22¢**

BURGESS "B" BATTERIES

Burgess batteries are known the world over for their efficiency. Nationally advertised. Unusually long life. These batteries are absolutely dependable. You can rely upon their giving splendid service over months of use. Each battery individually tested. Stocks always fresh.



No.	Fac. No.	Volts	Type	List Price	YOUR PRICE
5701.	4156	22 1/2	B small, flat 2 lbs.	\$1.25	\$.94
5702.	5156	22 1/2	B medium, flat 3 lbs.	1.50	1.13
5703.	2156	22 1/2	B large, flat 6 lbs.	1.75	1.31
5705.	2158	22 1/2	B large, upright 11 lbs.	1.75	1.31
5706.	5308	45	Upright 6 lbs.	2.50	1.88
5707.	2306	45	B large, flat 11 lbs.	2.50	1.88
5708.	2308	45	B battery, large 11 lbs.	2.50	1.88
5709.	10308	45	Heavy duty upright 14 lbs.	3.75	2.81
5710.	5360	4 1/2	C small, plain 1 lb.	.40	.30
5711.	2370	4 1/2	C large, tapped 2 lbs.	.75	.38
5712.	5540	7 1/2	C medium, tapped 1 lb.	.75	.56
5713.	6A	1 1/2	Dry cell A 3 lbs.	.50	.40

EVEREADY 'B' BATTERIES

Nationally known. Always fresh stocks. No. 767 or No. 772 for sets having less than five tubes. For five-tube sets or larger heavy duty, or No. 486 layer built should be used.



Suggest No.	Volts	Price	YOUR PRICE
5715.	763 22 1/2-volt, small, flat 2 lbs.	\$1.50	\$1.05
5716.	768 22 1/2-volt medium, flat 2 lbs.	1.75	1.22
5717.	766 22 1/2-volt large, flat, tapped 6 lbs.	2.00	1.40
5719.	767 45-volt, large, flat, tapped 12 lbs.	2.75	2.06
5720.	772 45-volt, large, upright 12 lbs.	2.75	2.06
5721.	770 45-volt, heavy duty, upright 4.00		3.00
5722.	486 45-volt, heavy duty, "Layer Built," upright 4.25		3.20
5723.	771 1/4-volt "C", tapped 2 lbs.	.60	.42
5724.	7111 1 1/2-volt, Dry Cell, "A" 3 lbs.	.50	.40
5729.	485 45-volt medium layer built 15 lbs.	2.95	2.22
5730.	762 45-volt, Portable 6 lbs.	2.75	1.93
5731.	779 22 1/2-volt vertical medium 4 lbs.	2.00	1.40

RELIANCE DRY CELLS

Our tremendous distribution of batteries enables us to buy the celebrated Reliance A batteries at an enormous saving. They are fresh stock of high amperage, 1 1/2 volt. Wt. 3 lbs. No. 5714. Retail 60¢. YOUR PRICE... **30¢**

RCA-Cunningham Tubes

ALL OF THE LATEST TYPES



**CX 301A
UX 201A**
Amplifier and Detector. General purpose, all around storage battery tube for detector, R.F. or audio circuits. Fits all standard sockets. Filament 5 volts, .25 amp. 25-45 volt detector. 67 1/2-90 volts amplifier.
No. 101, List, \$1.50.
NET **\$1.03**

CX 300A UX 200A

Detector. Most efficient and sensitive detector. Not at all critical to plate voltage. Considerably more sensitive than 201A as detector. Interchangeable with 201A. Storage battery tube. Filament voltage 5. Current .25 amp. Plate voltage 45.
No. 102, List, \$4.00.
NET **\$2.74**

CX 340-UX 240

High Mu Detector, Amplifier. For use in resistance or impedance coupled amplifier circuits. May be used either as audio detector or amplifier. Has amplification factor of 30. Performs more efficiently than standard 201A tubes in resistance or impedance amplifiers. Filament voltage 5. Filament current .25 amp. Plate voltage 90-180 volts.
No. 111, List, \$2.25.
NET **\$1.37**



C 299-UV 199 CX 299-UX 199

Detector and Amplifier. Dry battery tube adaptable to either portable receivers or multi-tube sets in the home. Equally serviceable as detector or highly efficient R.F. or audio amplifier. Economical to operate. Filament voltage 3. .06 amp. Plate voltage 45-90. CX or UX types will fit standard X sockets only. UV or C type fit small 199 sockets only. All types identical in characteristics.
No. 103, C 299 or UV 199, List, \$2.25. NET **\$1.54**

No. 104, C 299 or UX 199, List, \$2.25. NET **\$1.54**

WD11-C11-CX12-WX12

Detector-Amplifier. Popular for small receivers for economical operation. Requires only 1 1/2 volt dry cell battery. Filament voltage 1.1. Current .25 ampere. Plate voltage 22 1/2-45 detector. 45-90 amplifier. Fits X type socket only. Standard X type sockets. C11 and WD11 fit only special WD11 socket.
No. 105, CX12-WX12, List, \$2.50.
No. 106, C11-WD11, List, \$2.50.
NET **\$1.71**

CX 220-UX 120

Dry Cell Power Amplifier. For use in last stage of audio frequency amplifier. Should be used in last stage of Radiolas or any dry cell operated receiver. Fits X type socket only. Filament voltage 3. Current .125. Maximum plate voltage 120. Requires 22 1/2 volt C bias.
No. 110, List, \$2.50.
NET **\$1.71**



AC Tubes

CX 326-UX 226

AC Amplifier. For radio frequency and audio circuits. Designed for operation on raw AC at 1 1/2 volts. Filament current 1.05. Plate voltage 90-180 volts. Cannot be used as detector. Fits standard and UX sockets. Used in all the popular new AC electric circuits.
No. 112, List \$2.50.
NET **\$1.71**

C 327-UY 227

AC Detector. Special five prong AC detector of the heater element type. Operates from raw AC at 2 1/2 volts, draws 1.75 amps. Plate voltage 45-90. May be used as a radio frequency or audio frequency amplifier as well as a detector though not generally adapted to this use. Has special five prong base and fits only special Y type socket.
No. 113, List, \$5.00.
NET **\$3.43**

CX 380 UX 280

Full Wave Rectifier. New full wave rectifier of the filament type. Has rugged filament and extremely long life. Stable in operation. Quiet. The maximum current output is 125 M. A.

No. 116, List, \$4.50.
NET **\$3.09**

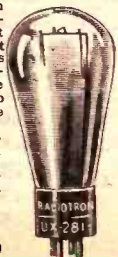


CX 381-UX 281

Half Wave Rectifier. High voltage rectifier for use with current supply or power amplifiers supplying 310 or 350 power tubes. Rated output is 65 to 110 M. A. In many amplifiers two of these tubes are used to secure full wave rectification and high voltage and high current output. Extremely rugged in construction with ribbon type filament. Long life. Quiet and stable in operation.
No. 117, List, \$7.50.
NET **\$5.14**

CX 374-UX 874

Voltage Regulator. Designed to maintain constant voltage supplied by B eliminator at the different current drains. Also stabilizes output under line voltage variations. With the voltage regulator no variable adjustments are required with the eliminator or power amplifier. Maintains constant potential of 90 volts, also maintains detector and intermediate voltages at uniform potentials.
No. 118, List, \$4.75.
NET **\$3.26**



Power Tubes

CX 371A UX 171A

Power Amplifier. New power amplifier replaces 171. Has excellent low output impedance. Should be used in the last audio stage only. Draws 20 M.A. at 180 volts with 40 volts C bias; consequently should only be used with some form of output coupling device. May be operated with six volt storage battery or from five volt AC source. Draws .25 amp. at 5 volts. Will handle enormous input without distorting. Has great power output. Low impedance and high power factor provide improved tone quality.
No. 108, List, \$3.00.
NET **\$2.06**



CX 112A-UX 112A

Power Amplifier-Detector. An improved general purpose tube. Primarily designed as a power amplifier, but also operates efficiently as a detector-radio frequency amplifier or audio amplifier. Extremely sensitive. Improved 112A draws only .25 amperes at 5 volts and may be used with 6 volt storage battery or may be operated from 5 volt AC source in the last audio stage. Has higher amplification than 371, but lower power output. Use of coupling device not essential. Plate voltage 90-157 1/2.
No. 107, List, \$3.00.
NET **\$2.06**

CX 310-UX 210

Power Amplifier. High voltage power amplifier capable of handling enormous volume without distortion. Power output exceeding one hundred times the output of 301A. Used singly and also in push-pull circuits in the new popular power amplifiers. Filament voltage 7 1/2 volts. Should be supplied from AC source. Plate voltage 250-425, draws 18 M.A. at maximum plate voltage and should always be used with some output device to protect the speaker from this heavy current. Extremely popular in connection with amplifiers and the new dynamic power speakers.
No. 109, List, \$9.00.
NET **\$6.17**

CX 350-UX 250

New Super-Power Amplifier. Capable of handling far greater volume without distortion or overloading than any receiving tube on the market. Its power output is practically as great as the power output of two 210 power tubes in push-pull. The amplification factor of the 250 is somewhat lower than the 210, but its power output is considerably greater. Popular in the new amplifiers, particularly when used in connection with dynamic power speakers. Maximum plate voltage 450 volts. Maximum current 55 M.A. Filament voltage, 7 1/2. Should be supplied from AC source. The extremely high plate current of the 250 compels the use of some coupling device as essential.
No. 130, List, \$12.00. NET **\$8.23**



CX 322-UX 222

Screen-Grid Radio Frequency Amplifier. A new tube element tube, designed particularly for radio frequency amplification. With proper shielding of the radio frequency circuit, neutralizing and stabilizing devices are unnecessary. Filament voltage 3.5. Draws .132 amperes. May be operated with a 6 volt storage battery when used with 15 ohm series resistor. Also adaptable to use with dry cells. Plate voltage 180. Grid voltages 1 1/2 and 2 1/2 volts.
No. 250, List, \$6.50.
NET **\$4.46**

HYLON TUBES

HIGHEST IN QUALITY - LOWEST IN PRICE

THE tremendous popularity of Hylon Tubes has been won in the face of keenest competition, due to their reliability, long life, and matched uniformity. Hylon Tubes need no introduction to the radio enthusiast who demands quality in reception.

ORDER
A SET
NOW

THE HYLON QUALITY PLEDGE

Modern automatic machinery of superior design is used in the manufacture of Hylon Tubes. The time saved by this, permits a most rigid and larger number of inspections on every tube; resulting in a more uniform quality at no advanced cost—and it assures you of an inherent stamina in every Hylon Tube, that spells lasting pleasure for the user.



201A Type
DET-AMP

No. 200 Retails \$1.50

49^c

EVERY
TUBE IS
TESTED

171 Type
POWER TUBE

No. 204 Retails \$3.00

85^c

WHY PAY MORE

Hylon offers you a perfect radio tube at a price you can afford to pay. Hylon quality will never be sacrificed for price—yet Hylon prices enable you to sell a quality tube below the market, and still make a reasonable profit.

Priced Less Than Jobbers' Wholesale

Hylon offers you a quality line of tubes—priced actually below jobbers' wholesale prices. They enable you to make a profit on your tube sales—to put your service calls on the right side of the ledger. The quality built into each tube assures full efficiency in every Hylon turned out. Every tube passes the most exacting tests before it can be released.

EQUIP ALL YOUR SETS WITH HYLONS

Try switching Hylons in your own set. You will be amazed at their overwhelming volume and richness of tone, as well as their extreme sensitiveness. Their rigidly supported internal elements result in an almost complete absence of microphonic noises—producing natural, smooth, powerful reception.

HYLONIZE YOUR SET AND NOTE THE DIFFERENCE

Type 226 A.C. Radio and Audio Amplifier. No. 189. List. \$2.50 YOUR PRICE 79^c	Type Y227 A.C. Detector Tube. No. 190. List. \$5.00. YOUR PRICE 1³⁵	Type X199 No. 201. List. \$2.25. YOUR PRICE 68^c	Type X112A No. 203. List. \$3.00. YOUR PRICE 85^c	Type X120 Dry Cell Amplifier. No. 196. List. \$2.50. YOUR PRICE 75^c	Type X140 Hi-Mu. No. 198. List. \$2.00. YOUR PRICE 60^c	Type X201A No. 200. List. \$1.50. YOUR PRICE 49^c	Type X171A No. 191. List. \$3.00. YOUR PRICE 85^c
Type X200 Full Wave Rectifier. No. 192. List. \$4.50. YOUR PRICE 1³⁵	Type X222 Shielded Grid Amplifier. No. 193. List. \$6.50. YOUR PRICE 1⁹⁵	Type X171 No. 204. List. \$3.00. YOUR PRICE 85^c	Type 200A Detector Tube. No. 202. List. \$4.00. YOUR PRICE 98^c	Type X201 Half-Wave Rectifier. No. 197. List. \$7.50. YOUR PRICE 2²⁵	Type X222 A.C. No. 199. List. \$8.00. YOUR PRICE 2⁴⁰	Type X210 Power Amplifier Tube. No. 194. List. \$9.00. YOUR PRICE 2⁷⁰	Type X250 Power Amplifier. No. 195. List. \$12.00. YOUR PRICE 3⁶⁰

KNIGHT SUPER

A TUBE for

KNIGHT QUALITY

THE Knight tubes are distinguished by many special features of construction and are unquestionably made by the most costly process yet used in tube manufacture. They are of a superior quality, manufactured by one of the largest tube manufacturers of the country, who is nationally known.

LABORATORY STANDARD

Knight tubes are selected for their superiority and standard of perfection. They are tested to rigid specifications.

KNIGHT TUBES LABORATORY



Use them in your own sets

KNIGHT TUBES ARE NOTED FOR LONG LIFE

TYPE X201A

Amplifier and detector. Used as radio and audio amplifier on D.C. sets. Filament Voltage 5 volts. Filament Current, .25. Plate voltage maximum 135. Amplification constant 8-9. No. 226. List Price, \$1.50.

Your Price **59¢**

TYPE X280

This is a full wave rectifier tube used at 5 volts, drawing 2 amps, with a plate voltage of 300. Used as full wave rectifier in all of the latest type sets.

No. 239. List Price, \$4.50.

Your Price **\$1.80**

TYPE X240 High-Mu

This is an amplifier for resistance coupling with an amplification factor of 30. At 5 volt draws 25 amp. Plate voltage 130.

No. 234. List Price, \$3.00.

Your Price **76¢**

TYPE X120

This is a power amplifier tube for use in the last stage of a set using 199 tubes. Operates at 3 volts. Draws .125 amp. Plate voltage 135.

No. 229. List Price \$2.50.

Your Price **95¢**

Be the Live Dealer in Your Town

Regardless of what status your radio business is in, the live progressive dealer takes a good line like the Knight tube and pushes it. It will profit him in sales and should increase his volume.

PROFIT

Profit should be figured on the basis of larger gross profits and bigger sales. Good tubes like the Knight tube offers every means of increasing your profit by quick turnover.

EQUIP YOUR SETS WITH KNIGHT TUBES

For standard equipment and original equipment on radio sets that you sell, it will pay you to use Knight tubes. These tubes offer you a margin of profit and a standard of quality which should make the sets operate at their highest efficiency and have the life that a good tube is designed to have. As standard equipment or for replacement they cannot be beat.

BETTER TONE—MORE POWER

It is the quality of tone and the "pep" that produce results. It is the power of the power amplifier tube and the uniform amplification of each of them which produce the results from a good set. Give your set an opportunity to perform with a good tube.

POCKET THE EXTRA PROFIT

Profits and margin of profit pyramid themselves. A perfect tube need not cost any more than the Knight offer, regardless of what kind it is or for what purpose it is used. Pocket the extra profit on the purchase and sale of Knight tubes.

TYPE X199

The 199 is a dry cell amplifier and detector tube drawing .06 amps. at 3 volts. Plate voltage 90.

No. 228. List Price \$2.25.

Your Price **89¢**

TYPE X171

This is a powered amplifier tube drawing .5 amp. at 5 volts. Plate voltage 180. Used as a last stage audio amplifier in most modern radio sets.

No. 232. List Price \$3.00.

Your Price **\$1.19**

TYPE X112A Power Amplifier

Used as a power amplifier tube in last stage. At 5 volts draws .25 amps. Maximum plate voltage 130.

No. 231. List Price, \$3.00.

Your Price **\$1.19**

TYPE X281 Rectifier, Half Wave

The type X281 is a half wave rectifier with a filament voltage of 7.5 and a filament current of 1.25. Used as a half wave rectifier in power amplifiers and "B" supplies.

No. 238. List Price, \$7.50.

Your Price **\$2.85**

RADIO TUBES

EVERY NEED

KNIGHT VITALITY

It is the long life of a tube which counts. Knight tubes are with bakelite bases, milled prongs. The plate, grid and filament elements are supported by a bridge. THE MANUFACTURER HAS DESIGNED THEM TO STAND UP WITH THE BEST ON THE MARKET.

BUILT-IN QUALITY

A tube may be just a tube or it may have been manufactured properly. From the information we have, this tube is put through a process of evacuation, eliminating moisture and detrimental gases. Liquid air is used as a freezing agent. Knight tubes are among the finest made.

ARE BUILT TO A
STANDARD



REPLACE WITH
KNIGHT TUBES
WHY PAY MORE

BETTER RECEPTION—and how!

FREE

\$12.50 Tube Checker

We offer you a tube checker which will operate on either A.C. or D.C. tubes, range 0 to 6 volts and 0 to 10 mils. For dealer or serviceman, this tube checker will be given with any purchase of 30 assorted KNIGHT TUBES ONLY.



**YOUR OWN TEST ON KNIGHT TUBES
WILL SHOW THEIR QUALITY**

Test all your tubes. Make up an order of 30 assorted Knight tubes and obtain this tube checker free. Knight tubes will be sold in less than 50 lots only at the prices shown. In lots of 50 Knight tubes only, we will ship you this Readrite \$12.50 tube tester without additional charge. This offer applies to none other than Knight tubes.

**DON'T FORGET THIS WILL TEST A.C. OR D.C. TUBES.
INCLUDES A METER RANGE FROM 0 TO 300 VOLTS.
CONCENTRATE ON KNIGHT TUBES**

TYPE X171A Power Amplifier

Used as a power amplifier taking the place of the 171. Used in the last stage audio only or in push-pull. Draws .25 amperes. An exceptionally good power amplifier tube. No. 235. List Price, \$3.00.

Your Price **\$1.19**

TYPE X222 Shielded Grid R. F. Amplifier

Amplification Factor of 300. Plate voltage 180. Filament voltage 3.2. Truly a wonderful radio frequency tube for sets designed for its use.

No. 237. List Price, \$6.50.

Your Price **\$2.47**

TYPE 222 A. C. Shielded Grid Tube

This is the latest shielded grid A.C. tube, lately perfected with a very high amplification factor for radio frequency amplification.

No. 236. List Price, \$8.00.

Your Price **\$3.04**

TYPE X200A

This is a special super-sensitive detector tube. Used instead of 201A for greater sensitivity.

No. 230. List Price, \$4.00.

Your Price **\$1.52**

TYPE X201B

Used also as model 201A as a detector and amplifier tube. Very sensitive as a radio or audio amplifier.

No. 227. List Price, \$3.00.

Your Price **\$1.20**

TYPE X226 A. C. A. C. Amplifier

The type 226 is an A.C. tube used in all modern A.C. sets for radio and audio amplification. Draws 1.05 amps. at 1 1/2 volts with a plate voltage of 90-180 volts maximum.

No. 247. List Price, \$2.50.

Your Price **95c**

TYPE Y227 A. C. Detector Tube

The type Y227 is an A.C. detector tube used in the detector stage of all modern radio A.C. sets. It is a heater type tube, voltage 2.5, ampereage 1.75. D.C. plate voltage 45-90.

No. 248. List Price, \$5.00.

Your Price **\$1.90**

TYPE X250 Power Amplifier

This is the latest 250 power amplifier tube. Filament voltage 7.5. Plate voltage 450 volts maximum. Filament current 1.25 amp. A real powerful tube.

No. 240. List Price, \$12.00.

Your Price **\$4.70**

TYPE X210 Power Amplifier

This is a power amplifier tube also of the latest type. Both this and the 250 are used in the last stages of radio sets designed for it. Plate voltage 425. Filament voltage 7.5.

No. 233. List Price, \$9.00.

Your Price **\$3.55**

[Ceco Tubes need no introduction to the radio dealer and enthusiast. They have long been recognized as one of the country's foremost quality line of tubes. Their sterling quality has won for them an enviable reputation with all who desire the utmost in tube efficiency.]

General Purpose Tubes

TYPE "AX." 201A type. Excellent detector and amplifier for any circuit. Noted for uniformity and marked efficiency. Standard UX base. Filament volts, 5. Plate volts, 45-135. Retail, \$1.50. **88c**



TYPE "201-B." 201B type tube. Similar to the Type "AX" above, except filament amp. is half the drain. Special process dull burning filament. Grid bias required where plate voltage exceeds 45 volts. Filament volts, 5. Filament amps., .125. Maximum plate voltage, 135. Standard UX base. Retail, \$2.00. **YOUR PRICE..... \$2.06**

TYPE "BX." Standard 199 type tube for dry cell use. Good detector and amplifier. Standard UX base. Filament volts, 3. Filament amps., .06. Plate volts, 45-90. No. 253. Retail, \$1.18. **YOUR PRICE..... \$1.18**

TYPE "B." Similar to type "BX," except with short prong UV type base. No. 254. Retail, \$1.18. **YOUR PRICE..... \$1.18**

TYPE "E." Corresponds to UX120 and is a power amplifier for dry cell use. Filament volts, 3. Filament amps., .125. Plate volts, 90-180. Standard UX base. Retail, \$2.50. **YOUR PRICE..... \$1.47**

TYPE "H." 200A type and special detector. Standard UX base. Filament volts, 5. Filament amps., .25. Plate volts, 67-90. No. 256. Retail, \$1.47. **YOUR PRICE..... \$1.47**

A.C. Tubes

These are new CECO AC types of tubes to meet the AC operation. **Type "M.26."** General purpose A.C. Tube similar to type 226. For all standard A.C. sets. Careful construction assured long life. Filament current 1.5. Filament current 1.05. Plate voltage not over 180 volts. No. 260. Retail, \$2.50. **YOUR PRICE..... \$1.47**



Type "N.27." Special A.C. tube of the separate heater type, used as a detector or amplifier. Has new 5-prong base. Heater volts, 3.5. Heater amps., .175. Plate volts, 45. As an amplifier, 90-135—not over 180. No. 261. Retail, \$2.94. **YOUR PRICE..... \$2.94**

Type "AC.22." Shielded grid type using A.C. on the heater filament. Similar to the R.F.22. Provides increased amplification, and has special circuits designed for it. Also for television circuits. Filament volts, 2.5. Filament amps., .175. Plate volts not to exceed 180. New UX 5-prong base. No. 262. Retail, \$4.70. **YOUR PRICE..... \$4.70**

Special Purpose Tubes
Type "R.F.22." Shielded grid four-element tube similar to the UX222. Used in any set requiring this type tube. Filament volts, 3.3. Filament amps., .135. Control grid bias, 1 to 1.5. Screen grid bias, +45. Standard UX base. No. 257. Retail, \$6.50. **YOUR PRICE..... \$3.82**

Type "K." A special tube for the R.F. stages of the average set. Improves reception. Filament volts, 5. Filament amps., .25. Plate volts, 67-140. Standard UX base. No. 258. Retail, \$1.76. **YOUR PRICE..... \$1.76**

Power Tubes

TYPE "I-12-A." Power tube like standard type 112A tube, for the last stage of audio. For battery or A.C. operation. Filament volts, 5. Filament amps., .25. Plate volts, 90-180. Standard UX base. No. 263. Retail, \$3.00. **YOUR PRICE..... \$1.76**

Type "J-71-A." Similar to the 171A power tube. Handles largest load speaker, full volume. Filament volts, 5. Filament amps., .25. Plate volts, 90-180. No. 264. Retail, \$3.00. **YOUR PRICE..... \$1.76**

TYPE "L.10." Like the UX210 type power tube for plate voltages up to 425 volts. Used in special power packs and sets for high voltages. Filament volts, 7.5. Filament amps., 1.25. Plate volts, 425. Stand. UX base. No. 265. Retail, \$9.00. **YOUR PRICE..... \$5.29**

TYPE "L.50." Like the new 250 type power tube for plate voltages up to 450 volts. Handles 3 times the output of the Type L.10. Filament volts, 7.5. Filament amps., .25. Plate volts, 450. Standard UX base. No. 266. Retail, \$12.00. **YOUR PRICE..... \$7.06**

Rectifiers

TYPE "R.80." Like the 280 type tube, excellent rectifier of high emission. For use in "A," "B" or "C" Eliminator or Power Packs. Special process filament. Filament volts, 5. Filament amps., 2. A.C. volts, 300-0-300 mill., 125. Standard UX base. No. 267. Retail, \$4.50. **YOUR PRICE..... \$2.65**



TYPE "R.81." Like Type 281 rectifier tubes. A half wave rectifier of high emission. "B" or "C" Eliminator. No. 268. Retail, \$7.50. **YOUR PRICE..... \$4.41**

Carter Adapters

Carter adapters are in general use and provide a simple means for using the new types of tubes in many of the older receivers.

TYPE "CA." For adapting UX and CX types of tubes to WD-11 sockets. No. 2320. Retail, 50c. **YOUR PRICE..... 29c**

TYPE "171." For adapting UX-112 or UX-171 power tubes to the old type 201A or any type base. Furnished with leads to provide additional "B" and "C" voltages for power tubes without altering the wiring of the set in any way. No. 2322. Retail, \$1.00. **YOUR PRICE..... 59c**

CARTER "A.C." Adapter Adapts A.C. tubes to all standard sets. Makes possible 1 h.c. operation of battery sets for A.C. operation. Two types of adapters provided. One for the 4-prong 226 amplifier tube, and one for the 5-prong 227 heater detector. No. 7076. Type 26 for UX226 tubes. Retail, 90c. **YOUR PRICE..... 53c**

No. 7077. Type 27 for 5-prong UX227 detector tubes. Retail, \$1.10. **YOUR PRICE..... 65c**



New McCullough A. C. Tubes



For new A.C. operation of sets. Operates directly from the house lighting current through the use of a step-down transformer. Quiet operation. No hum. Non-microphonic. Better tone quality. Extremely rugged with long life. No burn-outs. No. 242. Detector Amplifier. Retail, \$5.00. **YOUR PRICE \$3.67**

New Sovereign A. C. Tubes



Heater type requiring no "A" batteries for filament operation. Actuated direct from the house lighting current through a step-down transformer. Converts any radio set into an A.C. set. No. 245. A.C. Tube. Retail, \$5.00. **YOUR PRICE \$3.19**

McDonald Howl Arrester



Will eliminate any tube howl due to microphonic disturbances. Indispensable for use on sensitive detector tubes. Should be used on every tube in the receiver. Greatly improves reception and stops oscillation. No. 2324. For tubes of same shape. Retail, 75c. **YOUR PRICE..... 44c**

Naald Connectorals

TYPE "942." For testing A.C. or D.C. tubes, in D.C. tube tester. Consists of two adapters with a cable between and extra twisted pair of wires to connect with an A.C. heater. Indispensable to service men. No. 269. Retail, \$4.00. **YOUR PRICE..... \$2.35**

TYPE "946." For connecting electric phonograph pick-ups to radio sets. Unique design. One wire connects to one side of the pick-up—other wire from the pick-up attaches to the second wire or connector which in turn goes to the 45-volt "B" battery. Recommended wherever phonograph pick-ups are used. No. 270. Retail, \$1.50. **YOUR PRICE..... 88c**

TYPE "947." Similar to type 946 except designed especially for Victor phonographs. Takes the output of the detector tube and feeds it to an external audio or power amplifier. Endorsed by Victor Talking Machine Co. No. 271. Retail, \$1.50. **YOUR PRICE..... 88c**

TYPE "948." Connects electric pick-ups to the new A.C. sets. Takes standard 5-prong A.C. detector tubes. Two wires go into it, connecting in series with the plate to attach an electric phonograph pick-up to an A.C. set. Highly recommended. No. 272. Retail, \$1.50. **YOUR PRICE..... 88c**

TYPE "920." This connectorial will hold any standard tube upright in a UV109 socket. No change in set or wiring is necessary. A real value. No. 273. Retail, \$1.25. **YOUR PRICE..... 73c**



MARATHON RADIO TUBES

MARATHON'S tremendous following among radio dealers and enthusiasts throughout the country, is due to the actual performance of Marathon Tubes. Marathon's superior manufacturing facilities—coupled with their many years' experience in tube construction, has resulted in a line of tubes noted for their long life, ruggedness, and extreme sensitiveness.

IMPROVED RECEPTION WITH MARATHONS

To get the most from your receiver, you must have perfect tubes. You will do well to standardize on tubes of proven quality. Marathon's justly earned reputation for quality tubes, stands squarely back of every Marathon Tube you sell. A trip through the Marathon Tube Plant will prove a liberal education to you in the precision, care and careful testing that manifests itself in every operation in their manufacture.

THE MARATHON REPUTATION FOR SUPER QUALITY

Marathon quality stands today as an achievement, backed by years of manufacturing experience, and thousands of dollars expended in laboratory equipment and experimenting. All of which finds its culmination in the perfected Marathon Line of Tubes, as offered you today.

A TEST WILL CONVINCe YOU

In the face of the many superfluous claims made of tubes today, we say order a sample set of Marathons and test them. An actual test, under operating conditions will quickly convince you that Marathon's claims for quality are justified. National advertising has already acquainted the buying public—establishing a consumer confidence that assures you of a ready market for the Marathon Tubes you offer to your trade.

A COMPLETE LINE OF TUBES

Marathon offers a complete line of tubes, enabling you to standardize your tube business on one line. The attractive two-color carton in which Marathons are packed, will live up to the appearance of your shelves, and keep your stock moving.

ORDER A SET TODAY



MARATHON A. C. TUBES

Type A. C. 226 Amplifier

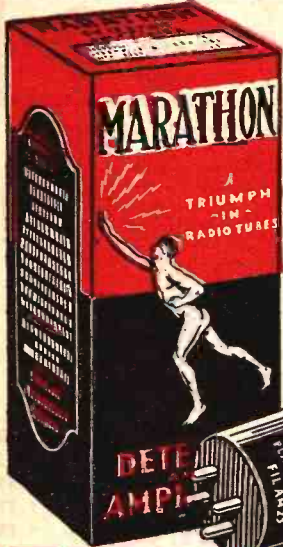
Type A. C. 226 operated from A.C. current used for amplifier purposes only. Draws 1.05 ampere. Fits standard and U.X. Sockets. D.C. plate 90-180 volt max.

No. 301. List. \$2.50. NET **1 1/2**

Type A. C. 227 Detector

This is the heater type tube used as a detector in all A.C. radio sets using the 226 and 227 tubes.

No. 302. List Price, \$5.00. NET **2 4/5**



Type X201A
Detector-Amplifier.
No. 303.
List Price, \$1.50. NET. **73¢**

Type X171A
Latest power amplifier tube. Draws only .25 ampere. Takes the place of the 171.
No. 304. List. \$3.00. NET. **1 4/7**

Type X112A
Power amplifier tube for audio purposes drawing 3/4 amp.
No. 305. List Price, \$3.00. NET. **1 4/7**

Type X200A
Special detector tube, low consumption. Sensitive.
No. 308. List. \$4.00. NET. **1 96**

Type X280
Full wave rectifier tube. Output 125 mills.
No. 307. List. \$4.50. NET. **2 20**

Type X210
Power amplifier tube 7.5 volt. Very high plate current from "B" eliminator.
No. 306. List. \$9.00. NET. **4 41**

Type X222
Special shielded grid tube.
No. 310. List. \$6.50. NET. **3 18**

Type X240
High-Mu Detector Amplifier.
No. 312. List Price, \$2.00. NET. **98¢**

Type X250
Super power amplifier. Max. 450 v. Draws max. 55 milli, filament 3/4 v. A.C.
No. 309. List. \$12.00. NET. **5 88**

Type X199
Dry battery tube drawing .06 amp.
No. 311. List Price, \$2.25. NET. **1 10**

Type X120
Amplifier tube for the dry cell type.
No. 313. List. \$2.50. NET. **1 22**

Type X281
Half wave rectifier. Output 65-110 mil.
No. 314. List. \$7.50. NET. **3 67**

\$12.50 Tester Tube FREE

A. C. or D. C.

With each purchase of 50 Marathon tubes, either of one kind or assorted, we offer the dealer a special premium of a \$12.50 tube tester FREE OF CHARGE. In this tester will test either A.C. or D.C. tubes. This is the Readrite tube tester and will serve for all purposes for an A.C. or D.C. tube tester.

Buy a lot of 50 Marathon Tubes. Sell them and in addition to the regular profit, you have the tube tester.

No. 315

Mention this offer number on your order. In ordering any 50 assorted tubes, specify them in their individual stock numbers and type. There are no strings attached to it and you get the same quality Marathon tubes.

NUTONE Tested Tubes

Economy Long Life Tubes



At the lowest price we offer the greatest radio value. First quality, first grade standard tested tubes at the lowest price ever before offered.

We recommend the use of Nutone tubes in any and all radio sets. The low price of these tubes in no way indicates their value. They may be used in the highest priced radio receivers for new tone-increased volume and greater power and sensitivity. Nutone tubes are worth every bit of \$1.50. They are highest grade, tested to highest standards and laboratory approved. Latest type construction. Elements firmly and ruggedly supported. Non-microphonic. Genuine thoroated Tungsten filaments properly aged. May be reactivated. Excellent detector and amplifier. Used in all stages of radio receivers. Genuine molded bakelite base and tipless construction. Filament operates at 5 volts, ¼ ampere. Plate voltage, 20 to 135.

Laboratory Tested—Type 201A

Each and every Nutone tube is tested before we send them to you. The tubes are tested under the most rigid conditions. They are tested not only for oscillation, filament and plate current and amplification current but also for plate impedance and mutual conductance. All tubes are tested under actual operating conditions. As our laboratory standards require that all tubes test within definite limits you may be assured that all tubes are uniform and may even be used as matched tubes in superheterodyne circuits.

Type 201A Tubes—A Tremendous Value

Type 201A—No. B7070—List \$1.50

YOUR SPECIAL NET WHOLESALE PRICE

39¢

Our Special Shielded Screen Grid Tubes

For Dry Cells or Storage Battery



This tube has an amplification constant of anywhere from 175 to 300. Designed for use as a radio frequency amplifier and is capable of giving ten times the amplification obtainable from 201A tubes. Because it is a shielded grid, circuits using this shielded grid tube will usually not oscillate providing the input is shielded.

No. 274—List Price, \$6.50. **\$2.86**
Your Price

Genuine RAYTHEON Rectifier Tubes



Designed for "B" battery elimination and used in practically all standard "B" eliminators. Type "B" has a maximum output of 150 volts at 60 mls. Types B4, B5 will deliver 180 volts at 80-120 mls with transformer and chokes designed for this high voltage and current.

No. B 205. Type B. List \$4.50. YOUR PRICE **\$2.65**

No. B 206. New Type B.H. List \$4.50. YOUR PRICE **\$2.65**

Raytheon "A"

Raytheon "A" cartridge is a 2½ ampere half-wave rectifier. Two cartridges may be used for full wave rectification with 5 amp. output. Used in many chargers.

No. 8024. List \$4.50. YOUR PRICE



\$2.65

Continental Tubes

We here present a remarkable tube value. Continental tubes are of splendid quality, scientifically constructed, and well advertised. All popular types are listed. The following exceptionally attractive prices will undoubtedly mean increased tube sales.



No.	TYPE	List	Your Price
7062	201A	1.00	\$0.59
7063	X199	1.25	.73
7064	200A	2.50	1.47
7065	171	2.50	1.47
7066	112	2.00	1.18
7069	280	4.00	2.35

Concert Master Copper Shielded Tubes



Completely encased in a copper shield. Protects tubes from breakage, shields elements. The manufacturer claims that it prevents howls, squeals and microphonic noises. Will fit most any set. This is a good tube, substantially constructed and a real quality product.

	LIST	NET
B216. 201A	\$2.50	\$1.46
B216. X199	2.50	
B217. X200A Detector	4.50	NET
B218. X112 Power tube	4.50	\$2.65
B219. X171	4.50	

ARCTURUS TUBES

15-Volt A.C.

The first four prong 15 volt line of A.C. tubes. The first line of 2.5 volt five prong detector tube and also the first A.C. shield grid tube on the market.

For the experimenter and the set builder and also as replacement in sets using Arcturus tubes.

No. 275. Type 26 four prong A.C. 15 volt detector tube. List, \$5.00. YOUR PRICE **\$2.94**

No. 276. Type 28 15 volt amplifier tube, four prong. List, \$4.00. YOUR PRICE **\$2.35**

No. 277. Type 127 quick acting 2.5 volt, five prong A.C. detector. List, \$5.00. YOUR PRICE **\$2.94**

No. 278. Type 30 four prong A.C. power tube, 15 volt. List, \$4.00. YOUR PRICE **\$2.35**

No. 279. Type 22 A.C. shield grid tube. List, \$7.50. YOUR PRICE **\$4.41**

Shield Plate Tube

A. C. and D. C.

Shielded grid amplifier is non-oscillating and non-critical. It is a revolutionary development. Designed for use as a radio frequency amplifier. Has amplification factor of from 175 to 300. This is enormous in comparison to the 201A, which has an amplification factor of only 6 to 8. Non-oscillating when used in shielded circuits. Filament voltage 3.3. Filament current .133. Plate 90 to 135.

No. B7075. List \$6.50. **\$3.82**

YOUR PRICE

The A.C. Shield Plate Tube. A shielded grid tube used for A.C. No. B7078. List \$7.00. **4.12**

YOUR PRICE



250 Power Amplifier

And Plate Supply for Any Receiver

Uses the new super-power 250 tube. Adaptable for the last stage of audio amplification of any receiver. Complete power to operate the 250 tube at full efficiency. Also supplies complete "B" voltages for any radio receiver.

COMPLETELY BUILT—READY TO PLUG-IN

Comes to you completely built ready for operation. A compact, ruggedly constructed amplifier which may be instantly connected to your radio set, and plugged into the light socket. Uses two 281 rectifier tubes, one 250 power tube and one 374 voltage regulator.

Tremendous Power

The enormous power output of the 250 tube is sufficient to operate several loud speakers if desired. Will handle highly amplified signal without overloading and without distortion.

For Dynamic Speaker

Because of its enormous power output the 250 power amplifier should only be used with electro-dynamic speakers. Provision is made to excite the field windings of DC type dynamic speakers.

Voltage Regulator

Uses 374 voltage regulator tube, which holds the output voltages constant under practically all conditions of load or line variation. For 110 volts A.C. current. Size, 16 in. wide by 9 1/2 in. deep by 7 1/2 in. high. Shipping weight, 50 lbs.

No. 8120—Retail Value \$95
YOUR PRICE **\$48²⁵**
Without Tubes



210 Push-Pull Power Amplifier

AND PLATE SUPPLY FOR ANY RECEIVER COMPLETELY WIRED AND BUILT

The practical power amplifier for home use. Operates the popular 210 power tubes at maximum capacity, giving an undistorted power output of over 3000 milliwatts, more than two hundred times the power of the standard 201A tube. Has sufficient reserve to operate any dynamic speaker at full volume and in addition sufficient plate voltage for the "B" supply of any receiver.

USE WITH DYNAMIC POWER SPEAKER

Any good dynamic speaker will easily handle the full power output of this amplifier. The circuit is designed to match the impedance of dynamic speakers. With a speaker of good design the range of power and fidelity of reproduction is astounding. Precision is made to excite the field coil of D.C. Dynamic Speakers.

HAS VOLTAGE REGULATOR

Designed for use with 374 voltage regulator ballast tube. This tube maintains the voltages for the radio set constant under practically all load and line variation conditions. For operation 110 volts A.C. current. Size, 16 in. wide by 9 1/2 in. deep by 7 1/2 in. high. Shipping weight, 50 lbs.

No. 8121—Retail Value \$110.00.
YOUR PRICE **\$49⁸⁵**
Without Tubes

Requires two 210 power tubes, two 381 rectifiers, one 374 voltage regulator.



TWO STAGE 250 POWER AND PHONOGRAPH AMPLIFIER

PLATE SUPPLY FOR ANY RECEIVER

A complete two stage audio unit to replace audio amplifier of any radio receiver or may be used with magnetic pick-up for phonograph amplification. The amplifier is completely self-operating and also supplies sufficient plate current for the largest radio receiver.



Modernizes Any Radio or Phonograph

Incorporates a 227 A.C. tube in the first stage, CX 350 power amplifying tube in the output stage. Produces sufficient undistorted volume for any home or auditorium use. Power output will operate any dynamic speaker. Not recommended for use with magnetic speakers.

Completely Built—Ready To Operate

The plate supply feature provides detector, intermediate and 90 volt terminals. A voltage regulator tube of the 374 type is used which serves to keep the receiver plate voltages constant regardless of line voltage or load fluctuations. For 110 volts A.C. current. Size, 16x9 1/2x7 1/2 in. Shipping weight, 50 lbs.

No. 8122—List Value \$125.00
YOUR PRICE **\$58⁷⁵**

Without Tubes

Tubes required: one 227 A.C. tube, one 250 amplifier, two 381 rectifiers, one 374 voltage regulator.

171 PUSH-PULL POWER AMPLIFIER and Plate Supply

A practical power amplifier using two 171 power tubes in push-pull. For last stage amplification with practically any receiver. Also adaptable as an additional amplifier following the usual final stage. Furnishes its own A, B and C supply and will also supply sufficient plate current for the operation of practically any radio receiver.

COMPLETELY BUILT

Compact in size. Ruggedly constructed on steel chassis. Fully assembled and wired. Comes to you complete, ready to connect to radio receiver and plug in.

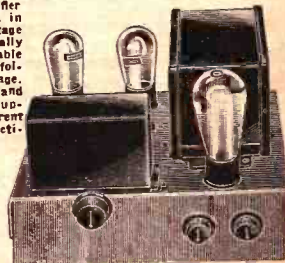
FOR MAGNETIC SPEAKERS

It is recommended that a magnetic cone or air column speaker be used with this amplifier rather than a dynamic speaker. Perfect reproduction with a good speaker of full range of musical frequencies with sufficient power to reproduce the lower bass notes with full natural timbre. For 110 volts A.C. current. Size, 10 1/2 in. wide by 9 in. deep by 7 1/2 in. high. Shipping weight, 30 lbs.

No. 8123—List Value \$75
YOUR PRICE **\$21⁸⁰**

Without Tubes

Tubes required: two 171A power tubes, one CX 380 rectifier.



Build your own Electrical Phonograph

ANYONE can now build a superior electrical phonograph at one-third the cost of the better grade phonographs on the market.

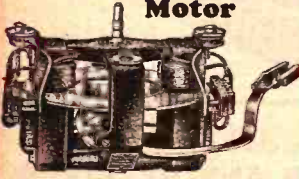
Complete equipment is offered you for converting your present phonograph into an electric reproducer using your present radio receiver if you wish or the new power amplifiers specifically designed for phonograph reproduction.

IF YOU NOW OWN A PHONOGRAPH and a radio all that you will need for reproducing your phonograph records electrically through your radio amplifier and loudspeaker is a good electric pick-up and a phonograph-radio switch.

IF YOU OWN A RADIO RECEIVER and wish to combine it with an electrical phonograph reproducer, you will require a phonograph motor, turn table with mounting plate and an electric pick-up and a switch.

IF YOU HAVE NO RADIO RECEIVER but wish electrical reproduction of your phonograph records, you will require a pick-up, power amplifier and a good loudspeaker either of the orthophonic air column type or a dynamic reproducer. **MANY OF THESE ARE OFFERED IN CHASSIS FORM AND MAY BE INSTALLED IN YOUR PRESENT PHONOGRAPH CABINET.** See pages 25 to 34 **PHONOGRAPH CONSOLE CABINETS OF EXQUISITE DESIGN AND SUPERIOR WORKMANSHIP ARE ILLUSTRATED ON PAGES 20 AND 84.**

G. E. Induction Motor



The finest electrical phonograph motor ever designed. Has no brushes or commutators. A variable induction motor. Unlike other types of motors it cannot cause electrical interfering disturbances to mar the reproduction. This is the type motor universally used by the manufacturers of the better grade of electrical phonographs. Equipped with generator and switch. Features mounting plate and turn table. Without A.C. cord. Wt., 25 lbs. No. 6570. List \$22.75
\$50.00. NET. YOUR PRICE

Mounting Plate
Metal mounting plate designed for mounting G.E. Induction Motor. No. 6567. NET. \$3.48

Pick-Up and Tone Arm

A special Phonograph pick-up device designed for permanent installation with any phonograph. A high quality product. The pick-up device is extremely sensitive. It will pass the record vibrations on to the amplifier without distortion, producing an unusual degree of volume. The tone arm is of the latest design swirl turn back type. The arm and pick-up are bronze finished. Wt., 8 lbs. No. 6565. List. \$20.00. \$9.85
YOUR PRICE



Turn Table

12 in. Phonograph turn table of finest quality. Designed for use with the General Electric Induction Motor but is adaptable to any type phonograph. Finished in bronze with felt covering to protect record surface. Wt., 5 lbs. No. 6566. YOUR PRICE \$1.20

Gordon Pick-Up

The new phonograph electrical pick-up that is superior to anything you have ever heard. Reproduces phonograph records through the radio amplifier and loudspeaker with life-like perfection. The phonograph record is re-created with such true fidelity that you are able to hear instruments and reproduction of the lower frequencies which were entirely missing when the record was reproduced in the old fashioned way. No. 6529. Wt., 3 lbs. List. \$5.75 complete with tone arm. \$13.50.
YOUR PRICE

No. 6561. Gordon Pick-up Head Only. Wt., 2 lbs. YOUR PRICE \$3.38



SWIRL TONE ARM

Swirl tone arm for use with any phonograph and any electrical pick-up head. Excellent quality—finely finished. For permanent installation with any phonograph. Wt., 4 lbs. No. 6562. YOUR PRICE \$4.65

NATIONAL SCRATCH FILTER

For reducing noise caused by needle scratch with electrical phonograph reproducers. Greatly reduces the intensity of scratch noises without affecting the volume of reproduction. Wt., 2 lbs. No. 6537. List. \$5.00. YOUR PRICE \$3.23

Carter Phono-Radio

TO PICK-UP AND VOLUME CONTROL

Switch

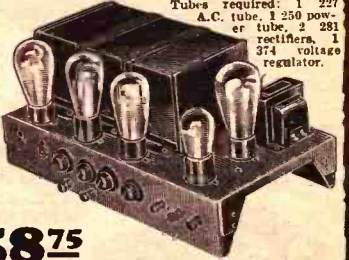


A new simplified method of switching from phonograph to radio. Consists of an adapter for plugging into detector socket of radio receiver, a special phonograph-radio switch with connecting cords, simply plug into the detector socket of any radio receiver, place the detector tube in the adapter socket, connect pick-up in the usual way and you may switch from phonograph to radio at will. No. 6563. With D.C. adapter for battery sets. No. 6564. With A.C. adapter for all A.C. sets. List. \$2.75. \$1.62
NET. YOUR PRICE

250 Phonograph Power Amplifier

Two Stage 250 Power Amplifier ideal for Phonograph Amplification. Tremendous Power - True Reproduction.

Will bring out the full resonant tones of the bass viol, kettle drums and will naturally reproduce all musical frequencies in an amazingly life-like manner. A dynamic speaker is recommended to handle the full power of the 250 Phonograph amplifier. Its power output is so great that its true beauty of performance can only be enjoyed with a dynamic speaker. It has provision for exciting field coil of D.C. type dynamic reproducers. May be used with any dynamic speaker. For 110 v. 50-60 cycle A.C. current. Wt., 50 lbs. No. 8122. Without T.U. \$58.75
List. \$125.00. YOUR PRICE

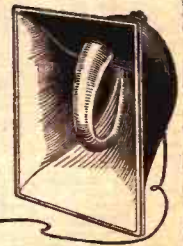


Tubes required: 1 227 A.C. tube, 1 250 power tube, 2 281 rectifiers, 1 374 voltage regulator.

Public Address System

For Auditoriums, Conventions, Dance Halls, Hotels, Theatres, Restaurants and Call Systems

A Public Address System for every purpose. Includes the new Public Address Amplifier incorporating the new 250 power tube. Tremendous amplification. Perfect natural reproduction. Voice articulation is natural and clear, unlike the usual harsh hard-to-understand reproduction of most types of Public Address Amplifiers. Consists of Kellogg table type Public Address Microphone, special Two Stage 250 Public Address Power Amplifier and large exponential air column horn with tone chamber 12 1/2 feet in length provided with super-power unit. Each essential portion of Public Address apparatus is offered individually in order to allow flexibility of installation where, for example, several speakers are required. The Public Address Power Amplifier will operate a number of speakers in unison. Public Address System complete with microphone, power amplifier and exponential horn with unit. Wt., 110 lbs. No. 8126. Without Tubes. List. \$700.00. YOUR PRICE \$275.00
Tubes required: One 227, one 250 power tube, one 374 voltage regulator, two 281 rectifiers.



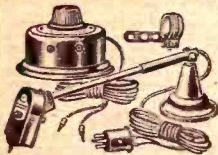
Public Address Microphone
Kellogg super-sensitive Public Address Microphone with out case. Wt., 20 lbs. No. 6568. YOUR PRICE \$100.
Without Case. Without Case. Kellogg Microphone. Wt., 10 lbs. No. 6569. YOUR PRICE \$25.00

250 Two Stage Power Amplifier
Two Stage 250 Super Power Amplifier with built-in microphone transformer. Employs a stage of 227 amplification followed by a power stage with a 250 tube. Wt., 55 lbs. No. 8127. List without tube, \$68.00 \$150.00. YOUR PRICE
Tubes required: 1-227 A.C. tube, 1-250 Amp-ifier, 2-281 Rectifiers, 1-374 Voltage Regulator.

Public Address Horn
12 1/2 ft. air column. Exponential air column for all forms of public address installation. Suitable for theatres and excellently adaptable to Vitaphone work. Size 30x15 in. Depth, 31 in. Weight, 40 lbs. No. 6571. Complete With Power Unit. List. \$200.00
YOUR PRICE \$85.00

Electric Phonograph Pick-Ups

New Bosch Recreator for AC or DC Sets

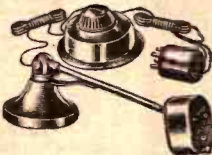


Reproduces or re-creates the phonograph record electrically through the radio set and loud speaker. May be installed with any phonograph in any radio set without alteration or change of wiring. Note for its wonderful clarity and volume. Reproduces the new orthophonic type electrically recorded records with all the fidelity of tone and mellowness of the most expensive machines. Furnished complete with adapters for A.C. or D.C. sets.

\$11⁷⁶

No. 6512. Complete, with plug, volume control and necessary adapters. Simple to install. Wt., 3 lbs. Retail, \$20.00. **YOUR PRICE**.....

United Phonograph Pickup



An amazing forward step in the development of electrical phonograph pickups. Assures splendid reproduction of all phonograph records through the radio receiver and loud speaker. Adapted for both A.C. and D.C. sets. May be used with any phonograph since it is equipped with a tone arm permitting universal use. It offers true volume values along with volume that will equal that of modern electric phonographs selling at hundreds of dollars. Wt., 3 lbs.

\$9⁴⁵

No. 7041. Retail, \$16.50. **YOUR PRICE**.....

National Scratch Filter

The purpose of the National Scratch Filter is to greatly reduce the needle scratching heard from the loud speaker when using any of the several types of electric phonograph pick-ups in connection with an audio frequency amplifier for playing phonograph records electrically. The terminals of the filter are connected across the output of the pick-up. So designed as to suppress the greatest possible amount of needle scratch with the least possible suppression of the upper musical notes. Highly recommended. Wt., 2 lbs.

\$3²³

No. 6537. Retail, \$5.50. **YOUR PRICE**.....

Gordon Pick-Up

Amplifies any phonograph record through the radio receiving set. Installed at will with an adapter with the audio frequency amplifier of any radio. Results in a superior, perfect reproduction of the record through the radio loud speaker than is obtained with the new type high priced electric phonographs. Life-like, rich, deep, natural tones. Complete with tone arm and adapter for A.C. or D.C. sets. Wt., 3 lbs.



\$5⁷⁵

No. 6529. List, \$13.50. **YOUR PRICE**.....

Na-Aid Pick-Up



Inexpensive electrification of all phonographs. Fine results with a good amplifier. Will operate with A.C. and D.C. sets. Convert your phonograph into the new orthophonic type with power amplification. Wt., 3 lbs.

No. 179. Retail, \$5.00. **\$2⁹⁴**

YOUR PRICE.....

NEW DELUXE PACENT PHONOVOX

A new electrical pick-up with counter balanced tone arm. Three separate units: 1. The pick-up unit, volume control and radio set adapter.



Their performance equals that of the most costly phonographs.

No. 6510. Model 124. Complete with counter balanced tone arm, adapters for both A.C. and D.C. sets, volume control and connecting cords. Wt., 3 lbs. Retail, \$13.50. **YOUR PRICE**..... **\$7.94**

No. 6511. Model 105-A. Similar to Model 124 except counter balanced tone arm is not included. Wt., 3 lbs. Retail, \$10.50. **YOUR PRICE**..... **\$6.17**

BMS Via-Rad Electric Pick-Up

Consists of electric phonograph reproducer, a Via-Tector which fits into the detector sock of the radio set and one Via-Trol which regulates the reproduction from a mere whisper to the loudest volume. The high as well as low notes are reproduced with clarity and life-like fidelity. Exceptionally simple to install. Highly recommended. Wt., 3 lbs. Complete outfit, Retail, \$12.00. **YOUR PRICE**..... **\$7⁰⁶**



Gradeon Electric Pick-Up

A high grade electric pick-up that attaches to the arm of any phonograph. It carries the sound impulses from the record through the radio tubes of the radio set, amplifying them electrically with glorious splendor and volume through your radio loud speaker. This new instrument adds the perfect reproduction of an audio system to any phonograph resulting in a tone quality surpassing the most expensive instrument.



No. 6534. Retail Price, \$17.50. **YOUR PRICE**..... **\$3⁹⁵**

BMS Broadcaster for Home Use



Here is a new idea for a radio party. Consists of small microphone, extension cord and adapter plug which fits detector socket. Broadcast your own voice or music. Does not interfere with radio reception. Absolutely noiseless and gives clear, undistorted reproduction. It is small, easily carried in the pocket. Wt., 3 lbs.

No. 6536. 4-Frong Adapter..... **YOUR PRICE** **\$4⁴¹**
No. 6536A. 5-Frong Adapter.....
Retail, \$7.50

Webster Electric Pick-Up

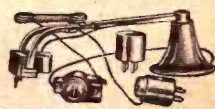
Faithfully reproduces with remarkable volume and clearness all the frequencies that are now recorded on the best orthophonic records. Chattering or any other objectionable noise is eliminated, due to unique design and light weight. Correct weight is always carried on the needle—yets prevents excessive record wear. Changes from radio to electric phonograph without removing detector tube by use of special adapter furnished. Wt., 3 lbs.



MODEL 1A
No. 6531. Complete with supporting arm. Retail, \$17.50. **YOUR PRICE** **\$10²⁹**

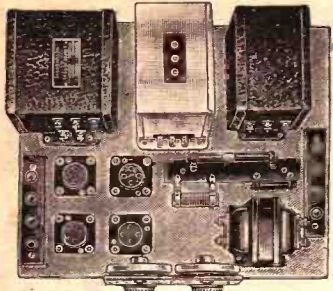
NEW AMPLION REVELAPHONE

Converts any phonograph into the most modern reproducing instrument. Light weight, equipped with volume control, arm and pivot support and 20-ft. extension cord. Will satisfactorily reproduce the full range of vocal or instrumental music which is actually on the record. Complete for A.C. and D.C. sets. Wt., 3 lbs. No. 6200. Retail, \$15.00. **YOUR PRICE**..... **\$8⁸²**



THORDARSON POWER AMPLIFIERS

250 Plug-in Power Amplifier and Plate Supply



No. 8861.
Total List Price,
\$85.50.
YOUR PRICE...

\$47⁸⁵

THIS is Thordarson's latest. A one stage power amplifier using the latest 250 tube and including the "B" supply. Complete kit of parts ready to be wired. This is not a wired kit.

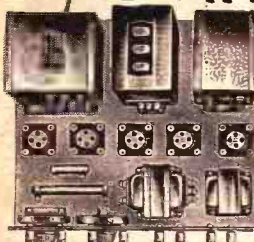
Designed for last stage audio amplification in connection with receivers for home demonstration uses and may be used with either Dynamic or ordinary high impedance speakers. The "B" supply also supplies "B" current for any receiver regardless of how large it may be. To be used for 110-115 volt, 50-60 cycle current only. Also energizes the field of a D. C. Dynamic speaker. Provides for use of 374 or 874 voltage regulator tube. Uses 425 volts on the plate with a grid bias of 80 volts. Uses 2-281 rectifier tubes, 1-voltage regulator tube No. 874 or No. 374, and 1-250 tube.

Also Electric Phonograph Amplifier

May also be used with any standard pickup, phonograph or turn-table to amplify records and reproduce them through loud speaker. Wonderful tone quality for either phonograph or radio. Tremendous volume. Very easy to build. Furnished with diagram for construction. Wt. 50 lbs.

- List of Parts:
- 1-Thordarson Power Supply Transformer, T-2900; 1-Condenser Block.
 - 1-Thordarson Double Choke Unit, T-3099; 1-Fixed Resistance, 1,500 Ohms, 25 watts.
 - 1-Thordarson Speaker Coupler Transformer, T-2901 1-Standard 4-Prong Sockets;
 - for High Impedance Speaker, T-2902 for 8-Binding Posts;
 - 1-Thordarson Resistance Kit, R-2098; 1-1-Mid. By-pass Condenser;
 - 1-Thordarson Resistance Kit, R-2098; 1-Wood Baseboard, 14x12x1 inches.
 - 1-Thordarson Power Input Plug; 1-Bakelite Panel, 14x12x1/2 inches.
- Tubes Required:
2-UX-281 Rectifiers; 1-UX-250 Power Amplifiers; 1-UX-874 or 374 Voltage Regulator.

210 Push Pull Power Amplifier and "B" Supply



Std. UX Sockets; 1 Wood Baseboard, 12x12x1/2; 1-Binding Posts.
If wanted for dynamic speaker order with output transformer type 2629 at additional charge of \$1.20.
No. 8862. List Price, \$36.50. YOUR PRICE.

\$49⁹⁰

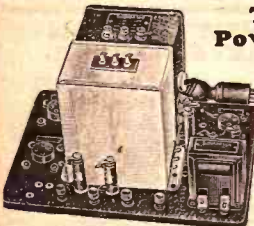
210 Two Stage Push Pull Power Amplifier and "B" Supply

A kit using a 227 type tube in the first stage and a 210 power tubes in push-pull for either radio or phonograph reproduction. Wt., 55 lbs.

- List of Parts:
- 1-Thordarson Transformer, T-2098; 1-Thordarson Choke Unit, T-2099;
 - 1-Thordarson Filament Supply, T-3081; 1-Thordarson Audio, B-300; 1-Thordarson Push-Pull Input, T-2408; 1-Thordarson Output Choke, T-2420;
 - 1-Thordarson Resistance Kit, R-2098; 1-1 Mid. By-pass Condenser; 1-Condenser Block, Type 210, Aerovox; 1-10-ohm Pot. or Center Tapped Resistor; 5-Sockets; 10-Binding Posts; 1-UX 5-prong Socket; 1-8-2,000-ohm Resistor (variable); 1-Wood Baseboard, 12x12x1/2; Bakelite 6x12x3/4 in.
- If wanted for dynamic speaker, order with output transformer type 2629 at additional charge of \$1.20.
No. 8863. List Price, \$106.00. YOUR PRICE.

\$61⁷⁵

Thordarson 210 Power Amplifier and Plate Supply



If your radio set hasn't enough "kick" this is the amplifier for you. This amplifier gives you one stage of 210 power amplification with 100 times the power of a type 201A tube. Wonderful tonal improvement on your radio set over the entire musical range, particularly on the lower notes. Includes metal baseboard. Easy to wire and assemble. Comes complete with diagram. Wt. 35 lbs.

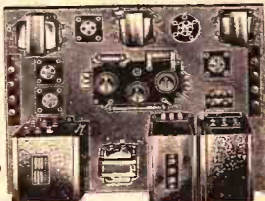
No. 8865. List Price, \$51.90. YOUR PRICE.

\$35⁵²

- List of Parts:
- 1-Thordarson Power Compact, R-210;
 - 1-Thordarson Metal Baseboard, B-211;
 - 1-Thordarson Resistance Kit, R-508-3445;
 - 1-Thordarson Speaker Coupling Transformer, T-2876;
 - 1-Type 210 Condenser Block;
 - 1-Thordarson Power Input Plug, R-172.
- Tubes Required: 1-Type 281 or 381, 1-Type 210 or 310, 1-Type 374 or 374.

250 Two Stage Power Amplifier and Plate Supply

The latest 250 Two Stage Power Amplifier and plate supply also supplying the set with necessary current. Uses one stage of 227 and one stage of 250 in addition to 2-281 rectifier tubes. Delivers tremendous power, wonderful tone quality and should be used with a Dynamic speaker or other high impedance speaker, either aircorne, cone or exponential type. For 110-150 volt, 50-60 cycle, 425 volts on the plate, delivering tremendous volume for dance-hall, icecream parlor or auditorium. May be used with electric pickup for phonograph reproduction. This is the latest in power amplifiers and is today one of the fastest selling and finest constructed combination of parts for this purpose. This is not a complete wired amplifier but is ready to assemble and wire. Wt. 55 lbs.



- Parts Required:
- 1-Thordarson Power Transformer, T-2900; 1-Thordarson Double Choke Unit, T-3099; 1-Thordarson Filament Transformer, T-3081;
 - 1-Thordarson Speaker Coupling Transformer, T-2901 for High Impedance Speaker, T-2902 for Dynamic Speaker (static which); 1-Thordarson Resistance Kit, R-2098; 1-Condenser Block, 250 type;
 - 2-1-Mid. By-pass Condensers; 1-1,000-Ohm Resistor, 25-Watt Capacity; 4-Four-prong Sockets; 1-Five-prong Socket; 10-Binding Posts; 1-Variable Resistor, 2,000 Ohms; 1-Potentiometer, or Center Tapped Fixed Resistor, 25 Ohms; 1-Baseboard.

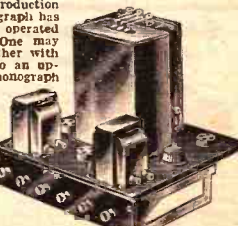
Tubes Required for this as Follows:
1-Type 250 or 350 Tube.
1-Type 874 or 374 Tube.
2-Type 281 or 381 Tube.
1-Type 227 or 327 Tube.

\$56⁸⁶

No. 8864. List Price, \$98.00. YOUR PRICE.

Thordarson 210 Phonograph Amplifier

The remarkable quality of reproduction of the electrically operated phonograph has forced the older mechanically operated machine into total oblation. One may convert the old phonograph together with its motor, turntable and all into an up-to-date electrically operated phonograph with this power amplifier and by replacing their present speaker with a Dynamic speaker and also using an electrical pickup. Operates on 110-115 volts A.C. Uses 1 type 199, 1 type X210, and 1 type X281. Wonderful tone quality. Wt., 35 lbs.



- List of Parts:
- 1-Thordarson R-210 Power Compact; 2-Thordarson R-300 Audio Transformers; 1-210 Condenser Block, Aerovox; 1-Fixed Resistor, 5000 Ohms; 1-Yaxley 400-Ohm Potentiometer; 3-Benjamin Sockets (Sub-panel); 6-Binding Posts; 3-Benjamin Sub-panel Brackets; 1-1-Piece Bakelite 10x10x3/4 inches; 1-Piece Bakelite 10x2x1/2 inches.
- No. 8859. List Price, \$61.25. YOUR PRICE.

\$33⁵⁰

Power Amplifiers

THORDARSON

Power Transformers

NEW 250 PUSH PULL POWER AMPLIFIER

DEALERS' MODEL

THIS amplifier is designed exclusively as a small Public Address amplifier for dealers' demonstration use. It produces considerably more undistorted volume than is required for home use and is ideal for outdoor broadcasting purposes. It is a complete audio system designed for either phonograph, radio or microphone reproduction and enables the dealer to make sales talks or personal comments between programs. Three stages are used for microphone tubes in push-pull working at full capacity. Wt., 60 lbs.

LIST OF PARTS

- | | |
|---|---|
| 1—Thordarson T-2950 Power Supply Transformer. | 3—Potter one Mid. By-Pass Condensers. |
| 1—Thordarson 3100 Double Choke Unit. | 1—Potter 2 Mfd. By-Pass Condenser. |
| 1—Thordarson B-300 Audio Transformer. | 2—Carter 2000-ohm Variable Resistors. |
| 1—Thordarson Microphone Transformer, T-2357 (see note). | 1—Carter 25-ohm Center Tapped Resistor. |
| 1—Thordarson 5081 Filament Supply Transformer. | 1—Centralab 200,000-ohm Modulator. |
| 1—Thordarson T-2992 Push-Pull Input Transformer. | 1—Yaxley Single Circuit Jack. |
| 1—Thordarson T-2903 Speaker coupling Transformer. | 1—Yaxley Open Circuit Jack. |
| 1—Thordarson B-2098 Resistor Kit. | 5—Benjamin UX Sockets. |
| 1—Potter 250 type Condenser Block. | 3—XU Binding Posts. |
| | 2—Benjamin UY Sockets. |
| | 1—110-Volt Switch. |
| | 1—Nakelite Panel, 25x37 1/2 in. |
| | 1—Wood Baseboard, 26x15x1 in. |

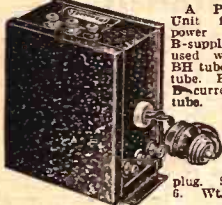
Note.—For double-button microphone, use transformer T-2920. For single-button transformer T-2357. When high impedance speaker is used for microphones use transformer R-300. Extra charge of \$1.80 for R-300 or T-3020. Tubes required: 2 type 281, 2 type 237, 1 type 374, 2 type 250.



No. 8860
Total List Price \$145.74

YOUR \$81.85 PRICE

Thordarson Power Compacts



A Power Supply Unit for combined power amplifier and B-supply. May be used with Raytheon BH tube and type 171 tube. Provides A and B current for power tube. Designed for 110 volt 60 cycle A-C current only. Equipped with six foot 6 or 8 pin plug. Size: 3 1/2 x 5 1/2 x 6. Wt., 12 lbs.

No. 8851, R-171 Power Compact.....	\$15.00	\$ 8.82
No. 8850, R-210 Power Compact.....	20.00	11.76
No. 8855, R-280 Power Compact.....	17.00	10.00

Thordarson Steel Chassis



A special foundation for 210 Power Amplifier and B-supply using Thordarson B-210 Compact. All mounting holes drilled and sockets and binding posts are already mounted. Insulating template shows subpanel wiring. All nuts, screws, bolts and hook-up wire included. Size, 11 1/2 x 14 in. Wt., 5 lbs. No. 7044. List \$5.00. **YOUR PRICE \$2.94**

Thordarson Heavy Duty Power Supply Transformers



Conservatively rated power supply transformers designed primarily to supply A-B-C current to various combinations of tubes as listed below. All types are used with two 281 rectifier tubes. Cool in operation. Wt., 14 lbs.

Type 2999
No. 7042. Data: Primary, 110-115 V., 50-60 cycle, alternating current only. Secondary No. 1—350 volts each side of center tap—130 M.A. Secondary No. 2—7 1/2 volts, center tapped, 2 1/2 amperes. Secondary No. 3—7 1/2 volts, center tapped, 2 1/2 amperes. Dimensions: 1 1/2 x 5 1/2 x 5 1/2 in. For two 210 tubes and B current for set. List, \$11.76. **YOUR PRICE \$11.76**

Type 2996
No. 7083. Data: Primary, 110-115 V., 50-60 cycle, alternating current only. Secondary No. 1—610 volts each side of center tap—130 M.A. Secondary No. 2—7 1/2 volts center tapped, 2 1/2 amperes. Secondary No. 3—7 1/2 volts, center tapped, 2 1/2 amperes. Dimensions: 1 1/2 x 5 1/2 x 5 1/2 in. For single 250 tube and B current for set. List, \$11.76. **YOUR PRICE \$11.76**

Type 2950
No. 7084. Data: Primary, 110-115 V., 50-60 cycle, alternating current only. Secondary No. 1—875 volts each side of center tap—200 M.A. Secondary No. 2—7 1/2 volts, center tapped, 2 1/2 amperes. Secondary No. 3—7 1/2 volts, center tapped, 2 1/2 amperes. Dimensions: 1 1/2 x 5 1/2 x 5 1/2 in. For two 250 tubes in push-pull. List Price, \$17.35. **YOUR PRICE \$17.35**

Thordarson Heavy Duty Double Chokes



Where a high grade, high output power supply device is being constructed, this Choke, in one of the three sizes, is invariably employed. This is for the reason that engineers unanimously approve and endorse these chokes to serve the purpose efficiently. Each unit contains two 30-henry chokes, conservatively rated. Cracked finish steel case, compound filled.

Type 2999
This type has rated capacity of 130 Milliamperes. Used in conjunction with the T-2998 power supply transformer or any similar high grade transformer. Wt., 14 lbs. No. 7043. List \$14.00. **YOUR PRICE \$8.23**

Type 3099
Has rated capacity of 160 M.A. Used with T-2990 power supply transformer or any similar transformer. Wt., 11 lbs. No. 7081. List \$16.00. **YOUR PRICE \$9.41**

Type 3100
Largest of the three, having output capacity of 200 M.A. T-2950 transformer or other good transformer may be used although Thordarson is recommended. Wt., 18 lbs. No. 7082. List \$18.00. **YOUR PRICE \$10.58**

Thordarson Filament Supply Transformers

With the new 226 and 227 type of A-C tubes now in popular usage, this form of filament supply transformer has been developed to meet the special requirements. The three separate winding idea is employed providing proper filament voltages for six 226 tubes, two 227 tubes and the third winding will heat two 5 volt power tubes of the regular type. Dimensions 2 1/2 x 5 1/2 x 4 1/2 in. Wt., 7 lbs. No. 7048. List, \$10.00. **YOUR PRICE \$5.88**



For Kellogg and McCullough A. C. Tubes
Designed for use with Kellogg and McCullough Tubes of the heater type. Capacity is sufficient to supply from one to ten tubes. No. 7046. List \$7.50. **YOUR PRICE \$4.41**

For Power Tubes
Transformers for supplying AC current to last stage power tubes, generally in push-pull amplifiers. No. 7047. 5 V. A.C. List \$5.00. **YOUR PRICE \$2.94**
No. 7048. 7 1/2 V. A.C. List \$7.50. **YOUR PRICE 4.41**

Type 3091
A special Filament Supply Transformer used with two or three stage amplifier for radio or phonograph reproduction. Not to be incorporated in a multi-tube set. Size 2 1/2 x 3 1/2 x 3 1/2 in. No. 7085. List \$6.00. **YOUR PRICE \$3.53**

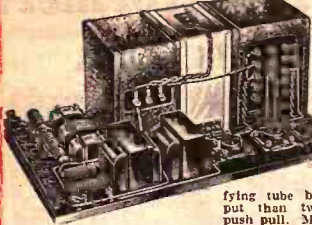
Power Input Plugs

Makes possible a convenient method of connecting amplifier to receiver. Plugs in last audio socket of set and connects to grid of power amplifying tube. Eliminates changes in wiring. Wt., 8 oz. No. 7086. List \$1.00. **YOUR PRICE 59c**

Resistance Kits

A voltage divider Kit for use with power amplifiers using Thordarson B-210 Compact or similar amplifiers employing 874 tube. Provides the necessary B-plate voltages of 45, 80, 135, 400 and 90 volts for C-bias for 210 tube. This is a handy kit for power supply builders. Wt., 3 lbs. No. 7087. Type R-50R-3445. List \$4.90. **YOUR PRICE \$2.88**

210-250 Power Pack Kits



250 Power Amplifier

Tremendous Power
A new super-power amplifier and plate supply for any radio receiver.

The new 250 amplifying tube has a greater power output than two 210 power tubes in push pull. May be used to replace the last audio stage in any receiver or as an additional power stage where great amplification and power are both desired. May be used with dynamic or magnetic speaker, though the average magnetic reproducer will not be able to carry the power output of this amplifier.

Similar to assemble and wire. A complete A.B.C. supply for the 250 power tube and a large reserve of current for supplying the plate voltage to practically any multi-tube radio receiver. Shipping wt., 25 lbs.

LIST OF PARTS

- 1—Power supply transformer.
- 1—Heavy duty double choke.
- 1—Audio transformer.
- 1—Heavy duty output choke.
- 1—250 condenser block.
- 3—UX sockets.
- 1—2000 ohm resistance.
- 1—10,000 ohm resistance.
- 2—3000 ohm resistance.
- 1—12,000 ohm resistance.

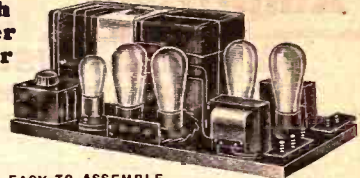
Tubes required: two CX 381 rectifying tubes, one CX 350 power amplifier.

- 3—1. mid. by-pass condensers.
- 1—Binding post strip.
- 10—Binding posts.
- 1—18x19 baseboard.
- 1—Wiring diagram, screws, wires.

No. 8124. o.t.a. List. **\$36.95**
YOUR PRICE

210 Push Pull Power Amplifier

A complete power amplifier consisting of apparatus of the highest quality for operating two 210 power tubes in push-pull.



EXCEEDINGLY EASY TO ASSEMBLE
Provides super-power amplification for the output of any radio receiver—A.C. or D.C. Used either to replace the last audio stage in any set or as an additional push-pull power stage following the output of the radio set. When used with a good magnetic or dynamic speaker, the tone quality is superior to anything ever before heard.

FOR DYNAMIC OR MAGNETIC SPEAKERS
Can be used with the new power dynamic speakers of the 110 volt D.C. type. Provision is made whereby the field coil may be excited by this power supply.

PLATE SUPPLY FOR ANY SET
Has sufficient reserve to supply plate B current for any multi-tube set. Plate voltage, 45 and 90 volts. Has 1 1/2 amp. .25 volt windings for filament voltage to A.C. tubes if desired. Shipping wt., 25 lbs.

LIST OF PARTS

- 1—Power supply transformer.
- 1—Heavy duty double choke.
- 1—Push pull input transformer.
- 1—Push pull output transformer.
- 1—Aerovox 210 condenser block.
- 4—UX sockets.
- 1—2000 ohm resistance.
- 1—10,000 ohm resistance.
- 2—3000 ohm resistances.

Tubes required: two CX 381 rectifiers, two CX 310 amplifiers.

- 1—90x fixed condenser.
- 1—18x10 baseboard.
- 2—Binding post strips.
- 10—Binding posts.
- 1—Wiring diagram, screws, wire.

No. 8125. o.t.a. List. **\$36.95**
YOUR PRICE

Naald Truphonic Power Amplifier

Gives perfect undistorted amplification. Brings any radio set up-to-date. May be installed with any set and used with either B batteries or B eliminators. Uses standard 201A tubes or power tube. Has output filter which protects speaker from injury when power tubes and heavy current are used. An excellent phonograph amplifier for use in connection with a magnetic pick-up. Wt., 7 lbs.

No. 2120. List, \$25.00.
YOUR PRICE **\$14.69**

Walbert Penetrola

Adds a stage of tuned radio frequency to any receiver. Increased volume from distant stations, greater selectivity — sharper tuning. Incorporates the Walbert Isotard circuit. Comparable to adding two stages of common radio frequency. Entirely eliminates reradiation. Wt., 15 lbs.

No. 4512. Completely built Penetrola. List, \$35.00.
YOUR PRICE **\$20.58**
No. 4513. Penetrola Essential Kit without cabinet. Wt., 8 lbs.
List, \$15.00.
YOUR PRICE **\$8.82**

Browning Drake Shield Grid Booster



Provides a stage of shield grid amplification preceding the first radio frequency stage of any receiver. Tremendous amplification of the weakest signals, heretofore lost, is obtained. Easily and quickly installed. Simply connect the aerial to one binding post and the antenna post of the radio to second post on the booster. Boosts up the signal strength enormously. Completely built and wired ready to install with any battery type radio receiver. Wt., 8 lbs.

No. 2147. List, \$25.00.
YOUR PRICE **\$14.70**

SHIELD GRID BOOSTER KIT
Unassembled kit of parts for Shield Grid Booster.

No. 2148. List, \$17.00.
YOUR PRICE **\$10.00**

Power Essentials



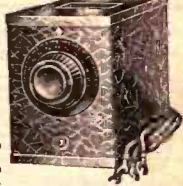
No. 2145. Power Transformer. A heavy duty power transformer. Provides sufficient voltage and current for two 210 tubes in push pull or a single 250 amplifier. Provided with filament windings for 210 and 250 tubes, and for 381 rectifier tube, also 1.5 and 2.25 windings for A.C. 228 and 327 tubes. Wt., 7 lbs.



No. 2146. Heavy Duty Chokes. Consists of two 30 Henry chokes, each capable of carrying 130 milliamperes. For use with 210 push pull or 250 power amplifier. Wt., 6 lbs.
List, \$13.00. YOUR PRICE **\$6.65**

Sterling Pre-Amplifier Shield Grid Booster

More distance, better tone, greater selectivity. Uses the 222 screen grid tube which, without question, is the radio sensation of the year and has an amplification of about ten times that of the 201A tube. Provides a stage of radio frequency amplification using the screen grid tube preceding the first stage of amplification of any radio set. Completely built and assembled. Small and compact—only 7 1/2 x 4 1/2 x 3 1/2 in. Equipped with switch and power cable. Shipping Weight, 5 lbs.



No. 2144. List, \$15.00.
YOUR PRICE **\$8.82**

Centralab Tone Amplifier

A stage of power amplification for any radio receiving set. Adaptable to use with 171 or 112 power tubes for improved tone quality and increased volume. May be used with any set with batteries or B eliminators. Provided with tone filter protecting speaker from heavy current when power tube is used. Wt., 8 lbs.



No. 2124. List, \$16.00.
YOUR PRICE **\$9.41**

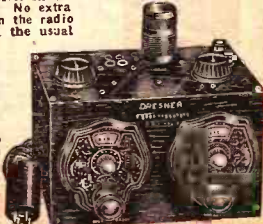
Dresner Short Wave Converter Adapter

The short wave adapter may be connected to a standard receiver in a moment's time by anyone. Instantly adapts the set for reception of short wave stations. No extra tubes or batteries are required. No change at all is made in the usual wave length.

GREAT DISTANCE ON SHORT WAVES
Many large broadcasting stations transmit short wave programs on regular schedules. These may be received on any radio set using this short wave adapter with good volume and without interference. Then there is the thrill of receiving European stations. Thousands of amateur stations in all countries transmit short waves at all hours of the day.

Covers Complete Short Wave Range. Five plug-in short wave coils cover a wave band of 15 to 550 meters. Coils have prongs like a vacuum tube and are interchangeable. Compact in size, measuring only 3 1/2 x 2 1/4 x 5 1/4 in. Shipping weight, 5 lbs.

No. 2149. List, \$22.50.
YOUR PRICE **\$13.23**



SM

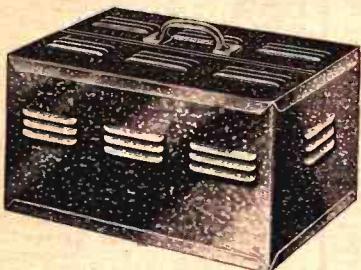
Unipac Power Amplifiers

Type 680

The Ultimate Power Amplification With 210 and 250 Tubes

NO MATTER what kind of set you have or are going to build, you'll need power and audio amplification for it. And in Silver-Marshall light socket power amplifiers and Unipac Power Units you'll find the answer to your needs for medium and high voltage B power supplies; for ABC power units to operate KT, 210, or 250 power tubes right in your present set; a power amplifier for dynamic speakers; one and two stage Unipac amplifiers for 210 and 250 tubes, singly or in push-pull.

No matter what your set, it must have power, and S-M Unipacs and Reservoir Power units give it to you cheaply, designed to add a stage of super-power amplification. For the one who really wants fine reproduction, in its presence, the Unipacs (combined power amplifiers and receiver power supplies) are a vital necessity, for their undistorted power outputs insure the deep, full tonal range that they alone can give—one that adds a new zest and enjoyment to radio with its beauty, brilliance, and realism of bass and treble alike.



Unipacs may be used with dynamic, air-chrome, altoflume, cone, or other standard speakers. All S-M power units and Unipacs operate from 105 to 120 volts, 50 to 60 cycle A.C.

681-210 and 681-250 Single Stage Amplifiers

The S-M single stage power amplifiers and B supplies are available to replace B batteries on any receiver and to add a stage of super-power amplification. Type 681-210 is a truly push-pull amplifier using 2 UX210 or UX250 power tubes, two UX281 rectifiers, and a UX171 voltage regulator tube. It supplies a stage of power amplification and 45, 90, and 135 volts B to the radio receiver. A lower priced unit is the 681-250, exactly the same as 681-210 but having only one UX210 or UX250 amplifier tube, though the same as 681-210 in other respects. Size, 17 1/4 in. long, 10 1/2 in. high, 9 3/4 in. deep.

681-210 Unipac Kit, Push-pull type—factory packed, less tubes. Ship. wt., 62 lbs. **\$51¹⁶**
No. 1574, List Price, \$87.00. NET

681-210 Wired Unipac Kit, Push-pull type factory wired and tested, less tubes. Ship. wt., 62 lbs. **\$59⁹⁸**
No. 1574, List Price, \$102.00. NET

681-250 Unipac Kit, Factory packed, less tubes. Ship. wt., 62 lbs. **\$47⁹²**
No. 1575, List Price, \$81.50. NET

681-250 Wired Unipac, Factory wired and tested, less tubes. Ship. wt., 62 lbs. **\$56⁷⁵**
No. 1576, List Price, \$96.50. NET

682-210 and 682-250 Two Stage Amplifiers

Two complete two stage super-power Unipac Amplifiers, for amplification of radio set detector output or phonograph record pick-up, are the finest of their types. Type 682-210 uses one UX210 first stage tube, two UX281 rectifiers, and a UX171 voltage regulator tube. It supplies two stages of power amplification and 45, 90, and 135 volts B power for a receiver. Type 682-250 is the same Unipac except that it uses only one UX210 or UX250 tube in the last stage. Size, 17 1/4 in. long, 10 1/2 in. high, 9 3/4 in. deep.

682-210 Unipac Kit, Push-pull type, factory packed, less tubes. Ship. wt., 69 lbs. **\$59⁹⁸**
No. 1570, List Price, \$102.00. NET

682-210 Wired Unipac, Push-pull factory wired and tested, less tubes. Ship. wt., 69 lbs. **\$68⁸⁰**
No. 1571, List Price, \$117.00. NET

682-250 Unipac Kit, Factory packed, less tubes. Ship. wt., 69 lbs. **\$56⁷⁵**
No. 1577, List Price, \$96.50. NET

682-250 Wired Unipac, Factory wired and tested, less tubes. Ship. wt., 69 lbs. **\$63³⁶**
No. 1578, List Price, \$111.50. NET

Reservoir B and ABC Power Supplies

The new S-M 670 B and ABC Power Supply Units are unquestionably the highest grade B and ABC units in the radio in the U.S.A.



line in every way and perform faithfully and noiselessly, providing a source of B power as steady and continuous as the current in your light socket.

Constant Power

The new type 280 full wave rectifier is used. The filter system is the famous S-M "brute force" type, insuring freedom from hum. There are two types, 670 B and 670 ABC. The 670 B supplies fixed voltages of 22, 90, 135, and 180 volts, and a variable voltage of 23 to 90 volts calibrated at 22, 45, 67, and 90 volts. A total of 60 ma. may be drawn at these voltages. It is the only B power unit with voltages accurate enough for the safe use of screen-grid tubes.

ABC Unit

The 670 ABC Unit supplies the same B voltages as 670 B, and in addition provides 1 1/2 volts at 4 amperes, 2 1/2 volts at 3 1/2 amperes and 5 volts at 1/2 ampere—enough for four or five 226 type, 2-227 type and two 112A or 171A type tubes. It is a complete ABC power supply for an AC set of six or seven tubes. Both models are supplied in either kit or wired form, with a beautiful crackle brown steel cabinet, 13 in. long, 5 1/2 in. high, 3 1/2 in. wide, to fit into any radio set cabinet, wired desired.

670 B Kit

Factory packed, less tubes. Ship. wt., 14 lbs. **\$23⁸²**
No. 1579, List Price, \$40.50. NET

670 B Wired Power Supply, Factory wired and tested, less tubes. Ship. wt., 14 lbs. **\$25⁵⁸**
No. 1580, List Price, \$43.50. NET

670 ABC Kit, Factory packed, less tubes. Ship. wt., 14 lbs. **\$25²⁹**
Price, \$43.00. NET

670 ABC Wired Power Supply, Factory wired and tested, less tubes. Ship. wt., 14 lbs. **\$27⁰⁵**
No. 1582, List Price, \$46.00. NET

685 Public Address Amplifier

The new SM685 Public Address Amplifier has been designed especially to meet the demand for a portable light-socket operated amplifier capable of covering 1,000 to 10,000 people with undistorted music or speech. It may be used indoors or outdoors. The 685 consists of three stages of S-M Audio amplification using 1-227, 1-226, and 1-250 type tubes, with self-contained power supply using 2-281 type rectifiers. The input transformer is so arranged that either radio, standard magnetic phonograph pick-up, or a single or double button microphone may be used.

The amplifier will operate up to six loud speakers of any standard type, or with a special output transformer. (S-M221D) It will operate up to twelve speakers. It is the ideal amplifier for conventions, churches, theatres, or wherever it is necessary to increase the volume of a speaker or to furnish music to thousands of people. It is 15 1/2 inches long, 10 1/2 inches high, and 9 3/4 inches wide.

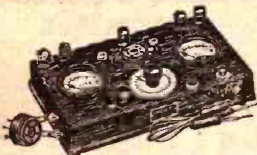
685 Unipac Kit, factory packed, less tubes. Ship. wt., 71 lbs. **\$73⁵⁰**
No. 1584, List Price, \$125.00. NET

685 Wired Unipac, factory wired and tested, less tubes. Ship. wt., 71 lbs. **\$94⁰⁸**
No. 1585, List Price, \$160.00. NET



TUBE CHECKERS and SERVICE TEST SETS

HOYT UNIVERSAL AC-DC TUBE TESTERS



The Hoyt Model 400 Tube Tester is a universal tester for all types of A.C. and D.C. tubes. Its unique design permits its operating power to be taken either direct from batteries, the A.C. line or from a radio set tube socket. A filament transformer of standard design can be used as "A" supply for testing A.C. tubes or a battery may be used if desired. A standard type dry "B" battery is recommended for plate supply.

The service man's tool kit is not complete without a universal tester of this type and a set builder who desires perfect operation from his receiver will find this tester indispensable. Highly recommended.

No. 2551. Model 400 Tube Tester including "five hole for prong" adapter and leads. Retail Price, \$30.00. **\$22.05**

YOUR PRICE

STERLING AC VOLTMETER

A high grade, efficient, dependable A.C. voltmeter for testing A.C. line current. Indispensable for use where the new A.C. tubes are employed. Will quickly pay for itself in the savings on tubes it makes possible. It is of compact pocket size design, measuring only 3.5x3 1/4 in. May be used on all A.C. circuits up to 150 volts. A rugged and accurate instrument. Wt. 3 lbs. instrument. Wt. 3 lbs.

No. 2077. Retail Price, **\$4.41**

YOUR PRICE



Two Meter Tube Checker

A two-meter tube tester containing 0-6 high resistance voltmeter, 0-10 milliammeter and special adapter for checking the "A" circuit. The use of the No. 21 cord and plug listed below enables you to plug right into the set socket. The tester can be connected to batteries if so desired. A low priced, yet accurate and dependable instrument. Wt. 5 lbs.

No. 2557. Type 210 Two Meter Tube Checker. Retail Price, \$7.50. **\$4.41**

YOUR PRICE

No. 2558. Type 21 cord and plug with full instructions for attaching to No. 210 Tester. Wt. 6 oz. Retail Price, **59c**

YOUR PRICE

No. 2559. Type 199 Adapter for small tubes. Wt. 4 oz. Retail Price, **35c**

YOUR PRICE



STERLING REACTIVATOR

A necessary unit where maximum efficiency is expected from D.C. tubes over a long period of time. Will give new life to old, dull tubes of the thorium coated filament type. Quickly pays for itself in improved reception. Wt. 3 lbs.

No. 4506. Retail Price, \$3.75. **\$2.41**

YOUR PRICE



Universal AC or DC Set

Analyzer and Tube Checker

Will check both A.C. and D.C. tubes. The set contains nine meters, a range permitting practically any type of checking to be done on sets, accessories, etc. A high power rheostat and the following meters are included: 0-100, 0-300, 0-10 milliammeters; 0-15, 0-6, 0-150 A.C. voltmeters; 0-8, 0-50, 0-500 D.C. voltmeters. Necessary tube adapters and full instructions included. Wt. 10 lbs.

No. 2564. Type 9 Set Analyzer with nine meters. Retail, \$35.00. **\$20.58**

YOUR PRICE

No. 2565. Type 25 Set Analyzer with any four meters only. Retail, \$22.50. **\$13.23**

YOUR PRICE



HOYT UNIVERSAL AC-DC SERVICE TEST SET

A high grade test set equipped with a D.C. precision type moving coil volt-milliammeter and a three range A.C. voltmeter.

Five D.C. scales reading 0-10-100-500 volts, 0-25-100 milliamperes. Three A.C. ranges are available: 0-3-9-150 volts. Plainly marked push buttons and switches provide easy operation during each test. Will test all types of sets, tubes, power units, etc. Wt. 6 lbs.

No. 2553. Retail Price, \$90.00. **\$66.15**

YOUR PRICE



Jewel AC-DC Set Analyzer

Every conceivable test necessary in proper checking and testing of radio sets, tubes and power units has been provided for in the design of this famous Jewel Pattern 199 Set Analyzer. Will test A.C. and D.C. tubes, A and B eliminators, batteries, circuits, grid, plates and cathode voltages, plate milliamperes, chargers, line voltages, etc. Readings of 0-1-5-15-160 A.C. volts; 0-7.5-75-300-600 D.C. volts and 0-15-150 milliamperes. Furnished complete with all necessary instructions. A precision instrument throughout. Wt. 15 lbs.

No. 2554. Retail, **\$71.66**

YOUR PRICE



JEWELL DC TUBE TESTER

Permits the set owner to accurately check the condition of his tubes at home. The milliammeter quickly indicates the condition of the tubes. Tests all three and five volt D.C. type tubes. Complete with cord, plug and adapter. Wt. 3 lbs.

No. 2555. Retail Price, \$10.50. **\$7.72**

YOUR PRICE



JEWELL AC TUBE TESTER

A high grade unit containing a compound rheostat for adjusting the filament on the 0-4-8 volt and A.C. filament voltmeter. Plate current is read on a 0-15 milliammeter and by the grid shift method a second reading of plate current shows the value of the tube. Tests all types of tubes by merely plugging into a 110 volt 60 cycle outlet. A real value. Wt. 6 lbs.

No. 2553. Retail, \$30.00. **\$27.93**

YOUR PRICE



AC-DC Two Meter Tester

For testing A.C. and D.C. tubes, power tubes, etc. Contains 0-8 high resistance voltmeter with rheostat and double range 0-20-100 milliammeter with switch. Four and five prong tube adapters are included. Every dealer should have one on his counter. Wt. 3 lbs.

No. 2560. Type 212 Tube Tester. Retail Price, \$8.00. **\$5.88**

YOUR PRICE

No. 2561. Type 22 cord for adapting to a D.C. set. Wt. 8 oz. Retail, \$1.50. **88c**

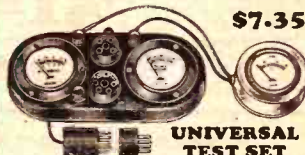
YOUR PRICE

Two Meter Tester 215

For testing either A.C. or D.C. tubes. Contains 0-10 voltmeter giving A.C. or D.C. readings and a double scale milliammeter reading 0-20-100 milliamperes. Can be plugged directly into A.C. or D.C. set. The ideal instrument for the service man. Wt. 5 lbs.

No. 2562. Type 215 Tube Tester. Retail Price, \$12.50. **\$7.35**

YOUR PRICE



UNIVERSAL TEST SET

Universal Test Set consists of No. 215 Universal Tube Tester listed above and a special high resistance voltmeter providing a range of 0-300 volts. Plugs into the set socket for testing tubes. Quickly locates defective circuit wiring, open transformers, poor contacts and shorts. Equipped with a revision type voltmeter of 0-10 volts and double scale milliammeter of 0-20-100. Tester is provided with 30 inch cord, a five prong plug and four prong adapter. A high grade instrument throughout. Wt. 6 lbs.

No. 2563. Retail \$17.50. **\$10.29**

YOUR PRICE

HOYT AC ATTACHMENT FOR DC TUBE TESTERS

The Hoyt Model 101 A.C. attachment is a simple and inexpensive unit consisting of a heavy duty rheostat and a low reading voltmeter responsive to either D.C. or A.C. filament current supply. Complete with special adapter for the U X 27 tube line is included along with terminal leads for such tubes as the McCullough and Kellogg types. Voltmeter of double scale type reading 0-3 and 3-9 volts. Complete with all necessary operating instructions. A real value. Wt. 4 lbs.

No. 2562. Retail Price, **\$11.03**

YOUR SPECIAL PRICE



Tube Testers—Rejuvenators—Meters

Sterling A.C.—D.C. Tube Tester and D.C. Tube Reactivator



A high grade unit that tests all styles of tubes including the screen grid type. Checks emission on both AC and DC tubes and reactivates all thorium coated filament DC tubes.

Both emission and grid performance tests are shown on the combination meter having a plate milliampere scale 0-15 and emission scale 0-100. Filament scale covers complete range of tubes. Quickly shows whether tube is good, fair or poor, and if low by merely throwing a switch DC tubes can be reactivated. Measures $6\frac{1}{2} \times 9\frac{1}{4} \times 3\frac{1}{4}$ in. Wt. 12 lbs.

No. 4522. Retail \$35.00.
YOUR PRICE

\$20⁵⁸

Sterling Tube "Short" and Emission Checker

Tube emission checker. Designed to check tubes for "shorts" between "fil-grid," "plate-grid" and "plate-fil." Checks all A.C., D.C. and rectifier tubes.



EVERY SERVICE MAN SHOULD CARRY ONE

Shows emission on type 226 and 227 AC tubes as well as 199 and 120 tubes. Shows "shorts" but not emission for 201A, 300A, 112, 171 and all rectifier tubes, including Raytheon. Designed only for service man. Measures $6\frac{1}{2} \times 3\frac{1}{4} \times 3$ in. Wt. 3 lbs.

No. 4523. Retail Price, \$13.50.
YOUR PRICE

\$7⁹⁴

Sterling Universal Tube and Battery Tester

Tests all D.C. tubes, including the 171 and 112 types. Simple to operate. Shows amplifying strength of tubes. Also tests circuits, transformers, batteries, etc. Just the thing for the dealer and service man. Wt. 6 lbs.



No. 4504.
Retail, \$25.00.
YOUR PRICE

\$14⁷⁰

Sterling A. C. Tube and Service Test Set

A portable AC set and tube tester for accurately testing the plate current on all AC tubes. Locates open grids as well as open circuits in transformers, poor contacts, etc., and tests power units.



One meter upper scale of 0-200 volts, lower scale of 0-20 milliamperes. Other meter of double scale type for voltage higher and lower than three volts as well as A voltage on tubes. Measures $7\frac{1}{2} \times 2\frac{1}{2} \times 3\frac{1}{4}$ in. Wt. 6 lbs.

No. 4526. Retail, \$35.00.
YOUR PRICE.....

\$20⁵⁸

Sterling R-411 "Home" Tube Tester

For testing all large tubes including 300A, 112 and 171 types. By removing tube and inserting test unit, the rectifier rheostat will actuate the meter to the proper point. By pressing a button the indicator will show whether tube is good, fair or poor. Direct readings—no computations. Size, $5\frac{1}{2} \times 2\frac{1}{2} \times 3$ in. Wt. 3 lbs.



No. 4503. Retail, \$7.50.

\$4⁴¹

Sterling Tube Tester Professional Model

Checks all types DC tubes, including the 171 power and 200A detector. Has rheostat and 3 meters giving 0-8 filament volts, 0-120 plate volts, 0-15 milliamperes. A tube socket adapter and adapters for UV 139 and C 295 tubes is supplied. No potentiometer or C battery is required for testing. Complete with instructions. Size, $6\frac{1}{2} \times 3\frac{1}{4} \times 3$ in. Wt. 6 lbs.



No. 4527.
Retail, \$25.00.
NET

\$14⁷⁰

Readrite Home Tube Tester

The meter hand indicates directly the condition of the tube without calculation or comparison of any kind. No switches or contacts to get out of order.



Detachable Milliammeter
Meter is removable and may be used for other testing when desired. This tester will also detect "shorts" between grid and filament. Full instructions are furnished with tester. Wt. 2 lbs.

No. 4524. For all 5v. tubes.
No. 4525. For all 3v. tubes.
Retail, \$3.00. **YOUR PRICE**

\$1⁷⁶

JEFFERSON TUBE CHECKER

Quickly checks condition of D. C. tubes. Also checks poor contacts, open wiring, etc. Full operating instructions included. Measures $5\frac{1}{4} \times 2\frac{1}{2} \times 1\frac{1}{2}$ in. Wt. 3 lbs.



No. 4507.
Retail, \$4.50.
YOUR PRICE.....

\$2⁶⁵

Jefferson A. C. Tube Checker

Equipped with meter, four and five prong sockets, rheostat and push button. Checks all A.C. tubes. Full instructions included. Measures $5\frac{1}{2} \times 2\frac{1}{2} \times 3\frac{1}{4}$ in. For 110v. 60 cycle operation.

No. 4520. Retail, \$10.00.

\$5⁸⁸

Yankee Test Set

Designed to test practically all tubes in general use, including D.C. and A.C. types, as well as a number of the two element rectifier tubes. Current for testing is taken direct from any 110v. 60 cycle A.C. line. It is also an efficient and easily operated tube activator for all tubes having thoriated tungsten filament. Mounted in an attractive carrying box. Convenient for service calls. Wt. 6 lbs.



No. 4521.
Retail, \$32.50.

\$19¹¹

JEFFERSON TUBE REJUVENATOR

201A and 199 tubes and tubes having thorium impregnated filaments can be successfully rejuvenated and brought back to full efficiency when they lose their pep after months of constant use. Paralyzed tubes can also be rejuvenated. Can be connected to any radio set and will rejuvenate all of the tubes in the set at one time.

Keep Your Tubes At Peak Efficiency

At the low price quoted on this rejuvenator, every set owner should have one on hand. Quickly pays for itself in improved reception, longer tube life and satisfaction that comes from knowing the exact condition of your tubes. Wt. 3 lbs.

No. 4501. Type 276. Retail, \$4.50. **YOUR PRICE.....**

\$2⁶⁵



VOLTMETERS - MILLIAMETERS - TEST KITS

Readrite High Resistance Voltmeters



A portable type high resistance voltmeter for testing B eliminators, power units, etc. Operates on the principle of the polarized range and slow polarity. Each instrument is hand calibrated and is accurate. A necessary instrument for the set builder and service men for accurate testing of B eliminators.

No. 2067. YOUR PRICE \$2.94
Scale 0-300 volts for B Eliminators. Wt. 14 oz. Retail, \$5.00.

No. 2082. YOUR PRICE \$3.53
For B Eliminators, Power Packs, etc. Scale, 0-500 Volts. Wt. 1 lb. Retail \$6.00.

READRITE AC VOLTMETER

No. 2033. A high grade A.C. voltmeter of the repulsion type. Hand calibrated and dependably accurate. Necessary for testing the A.C. voltage. Wt. 1 lb. Scale 0-150 volts. Retail, \$5.00. YOUR PRICE \$2.94

Jewell PinJack Meter No. 135A



A high grade D. C. voltmeter, reading 0-5 volts, equipped with 1/4 in. pin jacks for plugging into sets such as the Radiola and other sets equipped with jacks for a precision unit that tells exactly what voltage your tubes are receiving. Highly recommended. Wt. 12 oz.

No. 2054. Retail, \$7.50. YOUR PRICE \$4.77

Jewell Meter Pattern No. 57

A high grade portable type D. C. voltmeter designed for general use in testing batteries, circuits and for laboratory work. An accurately calibrated dial with silver etched numerals providing readings of 0-8 and 0-200 volts. Complete with 1/4 in. test leads. Wt. 6 lbs.



No. 2055. Retail, \$10.50. YOUR PRICE \$7.72

Jewell Meters Pattern No. 135



A well known 2 in. panel mount D.C. instrument. Very accurate. Especially for panel mounting. Wt. 2 lbs.

No. 2049. 0-8 Volts. Retail Price, \$7.00. YOUR PRICE \$4.46

No. 2050. 0-100 Volts. Retail Price, \$7.50. YOUR PRICE \$4.78

No. 2084. Double Meter 0-8-200 Volts. Retail Price, \$8.50. YOUR PRICE \$5.42

MILLIAMETERS

No. 2051. 0-25 M.A. Retail \$7.00. YOUR PRICE \$4.46

DOUBLE RANGE VOLTMETER
No. 2053. Jewell Pattern No. 135B with double scale and push button switch for high or low readings. Scale 0-75-150 volts. Retail \$9.00. YOUR PRICE \$5.73

Flush Panel Mounting Meters



Well designed, accurate high resistance meters designed to mount flush on panel. Mounts in 2 5/16 in. hole and are securely held in place with back clamps. Nickel plated rim and bezel. Wt. 1 1/2 lbs.

No. 2068. 0-8 volts DC. Retail \$1.00. NET \$0.59c

No. 2070. 0-150 volts DC. Retail \$1.50. NET \$0.88c

No. 2071. Double range 0-8-100 volts DC. 0-10 M.A. Retail \$1.75. NET \$1.03

No. 2073. 0-50 M.A. Retail, \$1.00. NET \$0.59c

No. 2074. 0-100 M.A. Retail, \$1.00. NET \$0.59c

No. 2075. 0-400 M.A. Retail, \$1.00. NET \$0.59c

AC METERS

No. 2086. 0-6v. AC. Retail, \$3.00. NET \$1.76

No. 2087. 0-10v. AC. Retail, \$3.00. NET \$1.76

No. 2088. 0-15v. AC. Retail, \$3.00. NET \$1.76

No. 2089. 0-15v. AC. Retail, \$3.00. NET \$1.76

No. 2090. 0-15v. AC. Retail, \$3.00. NET \$1.76

No. 2091. 0-15v. AC. Retail, \$3.00. NET \$1.76

No. 2092. 0-15v. AC. Retail, \$3.00. NET \$1.76

No. 2093. 0-15v. AC. Retail, \$3.00. NET \$1.76



Beede AC Line Tester

A compact, specially designed for checking the line voltage on A. C. sets when plugged into any electric light socket or receptacle. Scale reads 0-150 volts. Tells if line voltage is constant. A real value. Wt. 1 1/2 lbs.

No. 2160. Type 75 Line Volt. Tester. Retail, \$3.00. YOUR PRICE \$1.76

Jewell Meter Pattern 139

A high grade high resistance type voltmeter for checking B eliminators, power units, etc. The resistance is about three times that of an ordinary voltmeter while the current draw is very low. Quickly pays for itself in improved reception. Scale range 0-300 volts D. C. Wt. 2 lbs.



No. 2087. Retail, \$12.00. YOUR PRICE \$7.64

Jewell AC Meter Pattern 77



Calibrated, accurate. For A. C. current tests. Small current draw. Permits A.C. current testing up to 14 for lengthening the life of A.C. tubes. Wt. 4 lbs.

No. 2089. Three Range 0-3-15-150 V. Retail \$15.00. YOUR PRICE \$11.02

No. 2090. Two Ranges. 0-15-150 V. Retail \$10.50. YOUR PRICE \$7.71

No. 2091. Direct Readings. 0-150 Volt. Retail, \$10.00. YOUR PRICE \$7.35

Beede Portable "B" Eliminator Tester

It is of the high resistance type and will give accurate readings. The scale covers a full range from 0 to 300 volts, sufficient to test all existing types of eliminators designed for power tube operation with the 112 and 171 types of power tubes. A complete and accurate testing outfit at a very low price. Wt. 1 1/2 lbs.

No. 2161. Retail Price, \$3.00. YOUR PRICE \$1.76

No. 2162. Retail Price, \$3.00. YOUR PRICE \$1.76

No. 2163. Retail Price, \$3.00. YOUR PRICE \$1.76

No. 2164. Retail Price, \$3.00. YOUR PRICE \$1.76

No. 2165. Retail Price, \$3.00. YOUR PRICE \$1.76

Sterling Panel Meter



Narrow rim type panel mounting voltmeters. Silver etched dial. Over all 2 1/2 in. Diameter 2 in. Wt. 1 lb.

No. 2063. 0-8 Volt. Retail, \$3.00. NET \$1.76

No. 2064. 0-150 Volt. Retail, \$3.50. NET \$2.06

No. 2065. Double Range Switch. 0-7.5-150 Volt. Retail, \$5.00. NET \$2.94

No. 2066. 0-50 M. A. Retail \$3.50. NET \$2.06

AC METERS

No. 2092. 0-3 V. Retail \$4.50. NET \$2.65

No. 2093. 0-15 V. Retail \$4.50. NET \$2.65

Beede AC Panel Meter



A special type A. C. panel meter for the new A. C. kit sets. Accurate readings at all times of the tube voltage. Wt. 1 1/2 lbs.

No. 2162. Scale Range 0-10 V. Retail \$1.75. NET \$1.76

No. 2163. Scale Range 0-150 V. Retail, \$3.00. NET \$1.76

Beede Swivel Jack Meter



A swivel jack type meter for Radiola, Victor and Brunswick Superhets. Swivel jacks for variations in spacing. Wt. 12 oz.

No. 2164. Diameter 2 in. Retail, \$3.00. NET \$1.76

No. 2165. Diameter 1 1/2 in. Retail, \$2.50. NET \$1.47

THE NEW BEEDE TEST KIT

A high grade, universal type test kit consisting of a plate voltage meter having a scale range of 0-300 volts, an A. C. filament meter having a scale range of 0-7 1/2 volts and an A. C. line tester with 0-150 volt range and a grid bias meter with 0-50 volt range together with adapter for converting from four to five prongs.



Test the New AC Tubes

One of the most complete and most practical A. C. tube test kits on the market. Attractive carrying case in black leatherette. A complete and accurate testing outfit at a reasonable price. Wt. 6 lbs.

No. 2166. Retail \$15.00. YOUR PRICE \$8.82



Hoyt Radio Rotary Meter

Combines five scale ranges necessary in testing sets, tubes and accessories. 0-30-100 M.A.; 0-10 amps.; 0-10-200 v. D.C. Complete with flexible leads. 4 1/2 x 3 1/2 x 2 1/4 in. Highly recommended. Wt. 6 lbs.

No. 2078. Retail, \$26.00. PRICE \$19.11

A C and DC Panel and Portable Meters

Hoyt Meters for Every Radio Need

Hoyt A. C. Panel Meters Type 548A



The advent of the new A.C. tubes has created a definite demand for a panel mounting A.C. volt-meter. To meet this demand the Hoyt type 548A meters were designed. They are accurately calibrated instruments, dependable under all operation conditions and their use insures long life of the A.C. tubes. Dealers are urged to stock these meters as they are certain to be popular sellers with the trade. Wt., 1 lb. Retail Price \$2.50

No. 2167, Scale Range 0-3
No. 2168, Scale Range 0-9
No. 2169, Scale Range 0-15

YOUR PRICE \$1.65

Hoyt A. C. Panel Meters Type 530

Attractively designed panel mounting A.C. volt-meters for filament or line voltage control. Cases are 2 in. in diameter for fish mounting with narrow back rim. Their resistance is well over 20 ohms per volt. Wt., 1 lb.

No. 2170, Scale Range 0-3
No. 2171, Scale Range 0-5
No. 2172, Scale Range 0-9
No. 2173, Scale Range 0-15
No. 2174, Scale Range 0-25
No. 2175, Scale Range 50-150 volts

Retail Price \$7.50
YOUR PRICE \$4.78



Ammeters
Similar in construction to above meters.

No. 2176, Scale Range 0-3 amps.
No. 2177, Scale Range 0-15 amps.

Retail Price \$5.00
YOUR PRICE \$3.18

Double Range Meters
Similar to above meters, except designed with double scale. Wt., 1 lb.

No. 2178, Type 5362, Scale Range 0-3, 3-9 volts.
No. 2179, Type 5366, Scale Range, 0-3, 4-15 volts.

Retail \$7.50
YOUR PRICE \$4.78

A. C. PORTABLE METER TYPE 551



A portable type A.C. meter offering a scale range from 0 to 150 volts. Designed especially for testing A.C. line voltages. This unit employs the standard type 548 meter attractively housed in a block with necessary binding posts for leads. 1 1/2 lbs.

No. 2180, Retail \$5.00
YOUR PRICE \$3.18

A. C. POCKET METER TYPE 550

The unusual demand for A.C. line voltage checking meters has resulted in the design of this special pocket meter having a scale range of 0 to 150 volts. It is housed in a highly finished, watch-like casing and neat leather container. Indispensable to the service and radio repair man. Wt., 1 lb.

No. 2181, Retail Price \$2.20
YOUR PRICE \$2.20



HOYT D. C. PANEL METERS TYPE 17

Equipped with sensitive D'Arsonval movement having a resistance of 70 ohms per volt. Cases are 2 in. in diameter and 2 1/4 in. across front flange. Hand calibrated scales with zero adjuster. Black finish. Wt., 1 lb.

No. 2182, Filament voltmeter 0-6 v. Retail, \$7.00
YOUR PRICE \$4.46

No. 2183, Double range voltmeter 0-5 to -150 v. built in switch. Retail, \$9.00. **YOUR PRICE \$5.73**

No. 2184, Milliammeter 0-5 scale. Retail, \$8.00
YOUR PRICE \$5.10

No. 2185, Milliammeter 0-50 scale. Retail, \$7.00
YOUR PRICE \$4.46



Hoyt D. C. Panel Meters Type 548



A standard type D.C. panel meter with a 2 in. body, 1/2 in. flange. Accurately calibrated and dependable. These meters are attractively finished in an over all black with white numerals making them easy to read under all conditions. Wt., 1 lb.

No. 2186, Range 0-6 D.C.
No. 2187, Range 0-8 D.C.

Retail Price \$2.50
YOUR PRICE \$1.65

No. 2188, Range 0-150 D.C.
Retail \$3.00. **YOUR PRICE \$1.91**

Hoyt A. C. and D. C. Pocket Meters

Attractively designed pocket meters that adapt themselves to all types of testing work. Complete in leather cases. Wt., 1 lb.



A. C. Meters

No. 2189, Type 537, Scale range 0-150 v. Retail, \$11.00
YOUR PRICE \$8.08

No. 2190, Type 547, Scale range, 0-3, 3-9 v. Retail \$12.00
YOUR PRICE \$8.82

No. 2191, Type 5473 triple range, 0-3, 50-150 v. Retail \$16.00
YOUR PRICE \$11.76

D. C. Meters

Moving coil type meters with leveled bearings and resistance of 70 ohms per volt. 2 1/2 in. nickel case. Wt., 1 lb.

No. 2192, Type 5062, Double range 0-7.5-150 v. D.C.
No. 2193, Type 5063, Double range milliammeter 0-15, 0-75. Retail \$11.50. **YOUR PRICE \$7.33**

Jewell Portable Meter Type 116



An exceptionally high grade portable testing meter. Uses only 1 1/4 M.A. draw for all scale reading. Resistance is 800 ohms per volt. Gives accurate B eliminator output readings. Two scale of 0-50 and 0-250 volts. A pair of leads are provided. A precision instrument that gives accurate readings. Wt., 6 lbs.

No. 2194, Retail \$25.00
YOUR PRICE \$18.37



Sterling D.C. Voltmeter

A Sterling type R 415 D.C. voltmeter that is a high resistance unit for testing batteries and D.C. circuits up to 300 volts. Its simple operation enables the set owner to quickly test the output of his B eliminator for improved radio reception. Measures 3x5 1/2 in. Priced low for use as a sales leader. Wt., 3 lbs.

No. 2076, Retail \$7.50
YOUR PRICE \$4.41

Jewell A. C. Panel Meters



2 1/2 in. fish type A.C. instrument designed for panel mounting. Accurately calibrated. Wt., 1 1/2 lbs.

No. 2195, 0-3 v.
No. 2196, 0-8 v.
No. 2197, 0-20 v.

Retail, \$7.50
YOUR PRICE \$5.52

Pattern 190
No. 2198, 0-150 v. Retail, \$9.50
YOUR PRICE \$6.99

Ammeters
Similar in construction to above meters.

No. 2199, 0-3 amperes.
No. 2258, 0-5 amperes.

Retail, \$7.50
YOUR PRICE \$5.52

Beede Socket Test Meters



Beede Socket Test meters are unique in design, being so constructed that they fit into the standard UV on UV tube socket and give correct readings without external connections. Wt., 1 lb.

No. 2152, Type 50 plate voltage meter. Range 0-300 v. Retail \$3.00
YOUR PRICE \$1.76

No. 2153, Type 53 grid bias meter. Scale range, 0-50 v. Retail, \$3.00
YOUR PRICE \$1.76

No. 2154, Type 6 A.C. filament meter 0-7 1/2 scale. Retail \$2.50
YOUR PRICE \$1.47

No. 2155, Type 60A five prong adapter for No. 60 meter. Retail 90c.
YOUR PRICE 54c

Readrite Socket Meters



An attractively designed series of socket meters that permit direct readings by plugging in the socket of set. Wt., 1 1/2 lbs.

No. 2156, Type 148 socket voltmeter 0-300 D.C. scale range. Retail \$6.00
YOUR PRICE \$1.76

No. 2157, Type 150, 0-50 v. D.C. meter. Retail \$3.00
YOUR PRICE \$1.76

No. 2158, Type 152, 0-10 v. A.C. meter. Retail \$2.50
YOUR PRICE \$1.47

No. 2159, Type 148, 0-150 v. A.C. meter for plugging directly into light socket. Retail \$3.00
YOUR PRICE \$1.76

Jewell Panel Cutters



Special case hardened cutters for bakelite or wood. Fits standard brass. Quickly and easily cuts holes for mounting meters, etc. Wt. 8 oz.

No. 2060, 2 in. size.
No. 2061, 2 1/2 in. size.
No. 2062, 3 in. size.

Retail, each, \$1.25
YOUR PRICE 80c



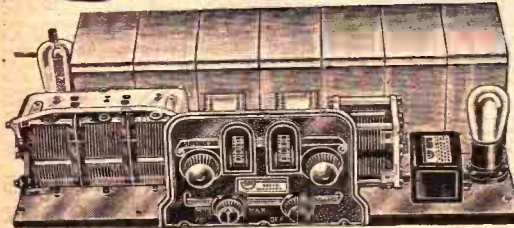
Sterling "Metered" Tube Rejuvenators

For use with large and small tubes including types 200A, 171A, 112A, 240, 200A and all tubes having threaded filaments. The emission meter determines instantly whether a tube needs rejuvenation and also to what degree the filament emission has been restored. Has carrying handle. Size, 6 1/2 x 5 in. For 110 volt. 60 cycle A.C. operation. Wt. 8 lbs.

No. 2200, Retail, \$14.50
YOUR PRICE \$8.53

SM

THE 1929 SCREEN GRID LABORATORY SUPER HETERODYNE



5 Screen Grid R.F. Stages with Tremendous Power

No. 8882
List Price **\$95.20**
Your Price **\$55.98**

THE 1929 Screen Grid Nine Tube Laboratory Receiver is a nine tube superheterodyne, having only two tuning controls for a total of five stages of R.F. amplification! It is an ultra sensitive superheterodyne giving positive 10 K.C. selectivity, and usually gives 2,000 to 3,000 mile regular reception range and marvelous tone. (These are manufacturers' statements.)

The circuit employs one untuned stage of short wave R.F. amplification, followed by two stages of tuned R.F. amplification, all three tuned by a super-accurate three gang condenser controlled by one vernier drum dial. This amplifier is followed by a screen grid first detector tube, an oscillator, tuned by the second vernier drum dial and a single condenser, two stages of sharply tuned 65 K.C. intermediate amplification, a second de-

tor and one audio stage using the new Clough audio system, The tuned R.F., oscillator, both detectors and I.F. amplifier stages are shielded in individual copper cans which are assembled upon the S-M 701 Universal steel chassis, and the whole set is doubly shielded by the S-M 700 Shielding Cabinet when used.

10 K. C. SELECTIVITY

The sensitivity and selectivity of the three short wave screen grid R.F. amplifier stages alone is great enough to provide better results than are had with the average T.R.F. receivers, yet they only require a special screen grid super to boost its sensitivity, insure positive 10 K.C. selectivity, and cut out harmonics! As a result of this combination of short wave R.F. amplification and ultra-efficient 65 K.C. intermediate amplification, the 1929 Laboratory Receiver is the most sensitive and selective superheterodyne that can be built, yet its parts cost but \$95.20.

A Beautiful Receiver

Appearance of the set, with its attractive control panel escutcheon, and when in the S-M 700 cabinet is rich and distinguished in the extreme, while the whole set is but 2 1/2 in. long, 10 in. deep and 7 1/2 in. high! It has the compactness and efficiency of the thoroughly engineered precision radio receiver that it is.

The set has but one stage of audio, and is intended for the discriminating buyer who content with only the best, will use it with a 210 or 250 power pack. The S-M type 681-250 Unipac, for one 210 or 250 tubes, or the ultra fine 681-210 push-pull Unipac for two 210 or two 250 tubes, is the ideal power

LIST OF PARTS

1-S-M 701 Universal chassis.....	\$ 3.00
1-S-M 809 control escutcheon.....	2.75
1-S-M 806L drum dial.....	2.50
1-S-M 806L drum dial.....	2.50
1-S-M 320B .00035 mfd. cond.....	4.00
7-S-M 638 stage shields.....	13.50
3-S-M 132B H.F. trans.....	10.50
1-S-M 132C oscillator.....	3.75
1-S-M 255 A.F. trans.....	1.25
1-S-M 210 long wave trans.....	6.00
1-S-M 512 sockets.....	2.40
1-S-M 511 sockets.....	4.00
1-S-M 275 choke.....	30
1-S-M 708 connection cable.....	1.75
1-S-M 818 hook-up wire.....	1.00
1-Yaxley 53,000, 3,000 ohm mid-get pot.....	2.50
1-Yaxley 500 witch.....	.40
1-Yaxley 420 tjackps.....	.25
1-Carter RL10 10-ohm res.....	1.50
1-Carter A3 3-ohm res.....	.50
1-Carter H1/2 1/2 ohm res.....	.25
1-Durham 150,000 ohms res. with leads.....	.50
1-Potter 104, 1 mfd.....	3.00
1-Surgue 1/2 mfd. mid-get cond.....	5.25
1-Polymet .00015 grid cond.....	.50
1-Polymet .002 condenser.....	.40
1-Polymet 2 meg. grid leak.....	.50
1-Noid 481X3 socket.....	.65
1-Moulded binding posts.....	1.00
1-Set hardware.....	1.00

\$95.20

output stage and B supply for the Laboratory Receiver, combined in one unit. The receiver will operate a loud speaker without the power amplifier, but this is not conducive to the fine, full tone, distance, and power it will give with the power pack.

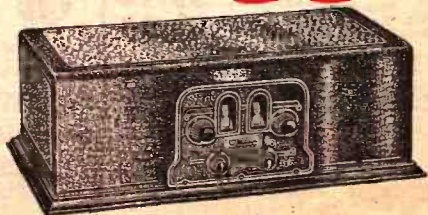
All parts for the 1929 Nine Tube Laboratory Receiver are of standard reputable manufacture, and their high quality is one of the best recommendations for the set itself—a set so fine however, as to require no other recommendation than a single evening's tuning of it.

Ideal for Power Amplifiers

Accessories required are six UX222 (CX322) tubes, two UX201A (CX301A) tubes and one UX112A (CX312A) tube. Any six volt A power unit, and an 8-M 670I—or 675 ABC power unit if no power amplifier is used. The combined power amplifier and B power units recommended especially are the 8-M 681-250 Unipac or the 681-210 push-pull Unipac, both single stage amplifiers for UX210 or UX250 super-power tubes.

1929 Screen - Grid Laboratory. Model Superheterodyne—complete kit less tubes. Wt., 45 lbs.

No. 8882
List Price, \$95.20
Your Price **\$55.98** Net



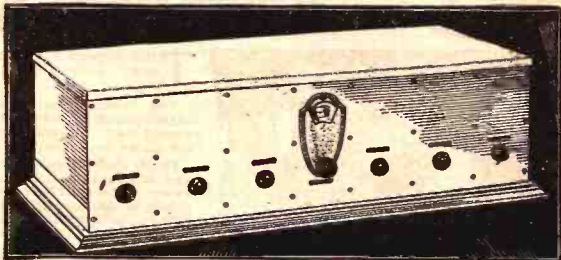
No. 1088 - S-M 700 **\$5.44**
Shielding Cabinet for the 1929 Super. Wt., 17 lbs. List \$9.25 ... **Net**

The 1929 S-M Feature Super

SM 710 Sargent Rayment Seven

Screen Grid

**A Station
Every 10 Kilocycles**



A STATION tuned in for every ten kilocycles—an average of one hundred stations heard in one evening! That is the performance record of the Sargent-Rayment Seven, tested in the heart of Chicago interference by the manufacturer on a warm summer evening.

In performance it is intended for the man who desires the very extreme of radio reception in all respects, irrespective of cost or other limitations—the sort of man content only to drive a Rolls-Royce car.

A Precision Receiver

The 710 Sargent-Rayment Seven is a precision laboratory radio receiver. The thick aluminum shielding a chassis, beautifully finished, gives to the appearance a distinction and dignity utterly beyond that of any other radio set. Electrically, the receiver consists of five sharply tuned circuits in a four-stage screen grid R.F. amplifier, all tuned by a single illuminated drum, and provided with individual verniers.

There are no other controls. Following the R.F. amplifier and detector are the A.F. amplifiers, using the famous S-M 220 audio transformers which provide unequalled tone quality and high volume. A 171 power tube can be used or with S-M 675 ARC power supply, a UX210 or UX250 is used in the last audio stage. Light socket operation is had with standard A and B power units, or batteries may be used. The set goes together simply and positively, with clear direct wiring.

705 Aluminum Knock-Down Shielding Cabinet

Especially designed for the Sargent-Rayment 7: 27 $\frac{1}{2}$ x 12 x 8 $\frac{1}{2}$ in. Included in S-M 710 Kit. Shipping weight, 12 lbs. **\$15⁸⁸**
No. 1099. List Price, \$27.00.
NET

New S-M 140 Universal Coil



A coil universal in application as an antenna coupler, R.F. transformer, regenerative coil or any purpose. Used in 710 receiver. 190 to 550 meters with .00035 condenser. 2 $\frac{3}{4}$ x 3 $\frac{1}{4}$ in. Wt. 8 oz. **\$1⁷⁶**
No. 1102. List, \$3.00.
NET

The Sargent Rayment Manual

A complete booklet written by Messrs. Sargent and Rayment, aided by the S-M engineering staff. Describes completely the design, construction, operation and maintenance of the Sargent-Rayment 7 written so anyone can understand it. Contains diagrams, and working drawings. **29^c**
No. 1101. List, 50c.
NET

Not For the Furniture Buyer

To the fan who appreciates and values really fine performance we unhesitatingly recommend the 710 Sargent-Rayment Seven. It is not a set for the furniture buyer—for every dollar of value in it is radio value.

A Thing of Beauty

The satin-finished aluminum cabinet trimmed with black nameplates, engraved in white, is a most fitting and beautiful cabinet for such a wonderful receiver as the Sargent-Rayment Seven. Although not designed for the furniture buyer, this receiver will make a most welcome addition to the home of the most fastidious.

Operation Requirement

The Sargent-Rayment Seven requires for operation 4—UX223 screen grid R.F. amplifiers, 2—UX112A detector and first stage audio tubes, and 1—UX171A power tube. If desired a UX210 or a UX250 super power tube may be used in the last audio stage if the proper B power is supplied. For power either batteries or any good A and B battery eliminator may be used, the S-M670B being recommended for B power.

No. 8873. 710 Sargent-Rayment Seven Kit, factory packed with cabinet. Shpg. wt., 33 lbs. List Price, \$130.00. NET.....

\$76⁴⁴

Custom Built Sargent Rayment 7

For those who do not desire to build the Sargent-Rayment, but who want the amazing results which it is capable of giving, the receiver is available in completely assembled, wired and tested form, ready to connect to batteries or eliminators, Wt., 35 lbs. **No. 8883. List Price, \$175.00. \$102⁹⁰**
NET

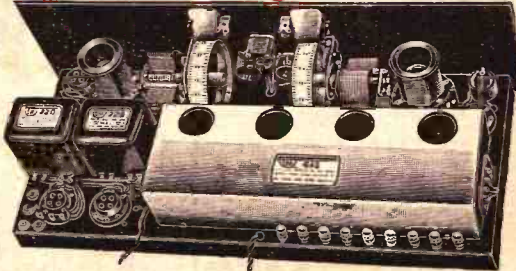
S-M Standard Laboratory Super

For Use with 201A Tubes

THIS is the famous 8 Tube Laboratory Super that has enjoyed continued popularity throughout the 1927-28 season and it will continue to be a leader for some time to come. It consists of a regenerative first detector, oscillator, 3 stages sharply tuned intermediate R.F. (112 K.C.), a supersensitive detector and two stages of S-M audio. Provides 10 K.C. separation and is without doubt the most efficient standard tube set ever designed. Uses 7 UX201A tubes and 1 UX171 power tube.

List of Parts

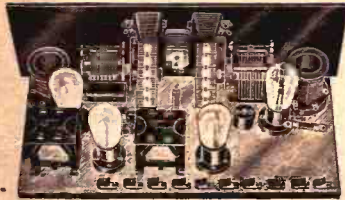
1 Van Doorn Panel and Chassis Unit plated with hdv., \$3.50; 1 Carter .00015 cond. with clips, 50c; 1 Carter M200 Potentiometer, 75c; 2 Tube $\frac{1}{2}$ mf. cond. at 75c, \$1.50; 1 Carter 3 ohm Rheostat, 50c; 4 Carter No. 10 tin jacks @ 10c, 40c; 1 Carter Battery Switch, No. 2 Imp, 50c; 1 Tube 2 meg. Grid Leak, 50c; 4 S-M No. 511 tube sockets @ 50c, \$2.00; 2 S-M 220 Audio Trans. @ \$3.00, \$16.00; 2 S-M 805 Vernier Drum Dial @ \$3.00, \$6.00; 1 S-M 275 RF choke, 90c; 1 S-M 342 Condenser, \$1.50; 1 S-M 440 Lmo signal amp. \$35.00; 2 S-M 515 coil sockets @ \$1.00, \$2.00; 2 S-M 111A coils @ \$2.50, \$5.00; 9 X-L Binding Posts @ 15c, \$1.35; 2 S-M 320 .00025 mf. Cond. @ \$3.25, \$6.50. Wt., 45 lbs.



No. 8800. Without oscillator and first detector stage shielded. **\$52⁶⁰**
List Price, \$69.45.
NET

No. 8801. With oscillator and first detector stage shielded. **\$54⁹⁵**
List Price, \$93.45.
NET

SM Universal All-Wave Tuners Series 640



The famous S-M Universal All Wave Tuners are now more popular than ever. They provide a low priced yet ultra-efficient tuner for every purpose.

The famous four-tube circuit so widely popularized—one R.F. stage and regenerative detector followed by two audio stages—is used with S-M engineered parts to give truly amazing results. Their selectivity is ample for any congested broadcast district, and their reproduction well-nigh perfect.

Drum dials, beautifully decorated steel panel, plug-in coils (30 to 3000 meters) and high-grade audio transformers make these kits up to the last minute in every respect. There are a number of Kits, as listed below, for two and four tubes, in AC and DC models—and one screen-grid model. Panel size of all is 7x18 in., with depth to fit 12 in. deep cabinet, allowing room for S-M 648 or 649, or S-M 670 ABC or 675 ABC power units, to be included in the cabinet.

640 Universal Tuner Essential Kit

Contains essential parts for RF circuits—two tuning condensers, two coils, two sockets, one midgeet condenser, and one RF choke. Shipping wt., 4 lbs.
No. 7090. List Price, **\$941**
\$16.00. NET

642 Two Tube Tuner Kit

A 7-tube kit for use with either 1½, 3, or 5 volt battery operated tubes. Designed to precede a two stage power amplifier such as the S-M unipacs. Complete factory packed kit. Ship. wt., 12 lbs.
No. 7091. List Price, **\$1735**
\$29.50. NET

642 AC Two Tube Tuner Kit

Same as above, but for AC tubes, 2 UX227 heater-type being necessary. Complete factory packed kit. Ship. wt., 12 lbs.
No. 7092. List Price, **\$1955**
\$33.25. NET

644 Four Tube Tuner Kit

For use with 1½, 3, or 5 volt battery operated tubes. A fine complete four tube when built from this factory packed kit. Ship. wt., 15½ lbs.
No. 7093. List Price, **\$2514**
\$42.75. NET

644 AC Four Tube Kit

Same as above, but for use with 2-227 1-228 and 1-171 or 210 tubes with S-M Power pack. Complete factory packed kit. Ship. wt., 20 lbs.
No. 7094. List Price, **\$3175**
\$54.00. NET

644 S G Four Tube Screen-Grid Kit

Uses a screen-grid tube in R.F. stage. For a battery or eliminator operation only. Complete factory packed kit. Ship. wt., 15½ lbs.
No. 7095. List Price, **\$2793**
\$47.50. NET

648 ABC Power Unit Kit

Contains all parts necessary to build a power unit supply 45, 90, and 220 volt B, and 1.5, 2.5, and 5 volts AC for any Universal Tuner. Uses 1—Ratheon or QRS tube. Complete factory packed kit. Ship. wt., 15 lbs.
No. 7096. List Price **\$1911**
\$32.50. NET

649 ABC Power Unit Kit

Contains all parts to build a power unit supplying 45, 90, and 450 volts B, and 1.5, 2.5, and 7.5 volts AC for any Universal Tuner using 210 or 250 tube in last stage. Uses 1-281 rectifier tube. Complete factory packed kit. Ship. wt., 20½ lbs.
No. 7097. List Price **\$2514**
\$42.75. NET

678 P Phonograph Amplifier



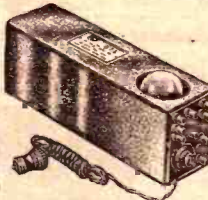
The new S-M 678P Phonograph Amplifier replaces the former type 678 Unipac amplifier with a new unit of greatly improved performance. This amplifier is for use with a magnetic phonograph pick-up only. Provides the finest reproduction of records obtainable, with greater volume than any other standard two phase types.

The unit consists of a two stage power amplifier with self-contained power supply, using 1-326 and 1-210 or 250 type tube in conjunction with the new S-M 255 and 256 audio transformers. The 678P Unipac employs 1 UX227 (CX320); 1 UX310 (CX318) or UX250 (CX350) and 1-UX281 (CX381) tubes. Complete in itself for operation upon addition of record pick-up, loud speaker and tubes. Develops sufficient volume for small theaters and dance-halls. Factory built. Ship. wt., 36 lbs.

No. 1587. 678P Unipac Amplifier for standard speakers. List \$78.00. NET... **\$4586**

No. 1588. 678P-D Unipac Amplifier for dynamic speakers having low field excitation. List Price, \$73.00. NET..... **\$4292**

675 Hivolt Power Supply



The 675 Hivolt power supply allows the use of a 210 or 250 super power tube in the last stage of any set, adding greatly to its tone quality and power capacity. Or the 675 ABC can be used for any AC tube set.

Uses 1 UX281 (CX381) and supplies 2½ variable (45 to 90, 135 and 425 volts B, and 1½, 2½, and 7½ volts AC for power-tube filaments. 35 volts "C" for the 210 or 84 volts for a 250. 17x5¼x3¾ in.

No. 1590. 675 Hivolt Kit. Ship. wt., 29 lbs. List Price, \$54.00. NET... **\$3175**

No. 1591. 675 Wired Hivolt. Ship. wt., 29 lbs. List Price, \$58.00. NET... **\$3410**

676 Dynamic Speaker Amplifier

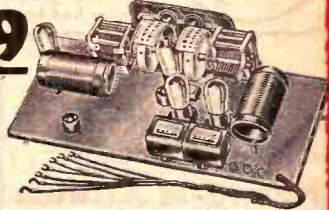
The S-M 676 Dynamic Speaker Amplifier is a single stage power amplifier especially for use as a third stage amplifier following any standard set. Boosts the tone and volume and gets the best results from dynamic speakers. A UX250 super-power tube is used to insure large power handling capacity. Brings out all notes with their true tone quality, when added to any set with a dynamic speaker. The amplifier contains its own power supply using 1 UX281 type rectifier tube. It is used with any standard 90 to 110 volt D.C. dynamic speaker, which acts as a filter choke for the power supply and obtains its energizing current at the same time. The whole unit is contained in an attractive metal case same as the 675 power supply, described at the left. Ship. wt., 28 lbs.

No. 1593. 676 Amplifier Kit. List Price, **\$2861**
\$49.00. NET

No. 1594. 676 Wired Amplifier. List Price, **\$3234**
\$53.00. NET

S-M 740 Coast-to-Coast Screen Grid Four

6-Tube Results \$29.99 For Net Price



TO the thousands of fans for whom the four tube R.F. amplifier regenerative detector and two stage audio circuit is the time tested standby and the standard of receiver comparison, the new Silver-Marshall Coast to Coast Four offers the finest performance yet attained with this remarkable circuit. A screen grid R.F. amplifier stage, immeasurably finer coils than ever before, the new Clough high gain audio system with S-M 225 and 256 transformers—and metal chassis, and antique brass control escutcheon, like the finest of ready made sets, make the "740" the biggest \$50.00 worth of radio set you've ever seen or listened to.

The Coast-to-Coast Four

Its story is told in its name—the Coast to Coast Four. In summer-time tests, through Chicago state and heat, it has played New York, Florida, Texas and California stations on the loudspeaker, cutting through interference to distant programs only 10 and 15 or 20 Kc. away from "locals" with distinctness and ease. Its tone quality is wonderful. It will take 171, 210 or 250 power tubes.

The "eye-value" of the "740" is on a par with the best of ready-made sets when it is housed in the new Silver-Marshall type 700 metal shielding finished in a rich and beautiful two-tone crystalline brown which harmonizes with any home furnishings. Battery or light socket operation is optional.

Despite the fact that this remarkable four-tube screen grid receiver has consistently brought in more stations with better volume, finer tone, and greater selectivity than all other sets in its price class against which we have tested it, the complete kit of all approved parts costs but \$51.00!

Low Price—Real Performance

We go emphatically on record that no matter what set you build or buy, the 740 Coast to Coast Four is the best value you can find at its price. Assembled easily and simply, performs with a vengeance, and for the professional set builder provides a low-priced set that will outdemonstrate all popular 6 tube one-dial ready-made sets up to twice its price.

Requires 1-UX222, 2-UX201A or UX112A detector and first stage amplifier and 1-1X171 power tube (UX210 or UX250 power tube can be used with S-M 675 ABC power unit).

No. 8895. 740 Coast to Coast Kit complete factory packed, less cabinet. Ship. wt. 15 lbs. List Price, \$51.00. NET.....

\$29.99

No. 8896. 740 AC Coast to Coast Kit for use with Cero or other independent AC Screen Grid Tubes, and S-M 620 ABC or 675 ABC power units. Complete, factory packed, less cabinet. Wt., 15 lbs. List Price, \$53.00. NET.....

\$31.16

Round the World 4 Screen Grid Short Wave

Tune Over the "Thrill Band" with an S-M Short Wave Set

HAVE you had your taste of the "thrill band"—the wavelength band from 17 to 200 meters? Down on these low waves are the foreign broadcasters—English SSW with Colonial programs, Dutch, French, German and other rebroadcast programs. Down there you'll find KDKA, WGY, WLW, with true low wave rebroadcast that you can hear when static blankets out their regular waves. And TELEVISION—it's on the low waves that you hear the musical sing-song that means the transmission of living pictures! In the "thrill band" you can hear amateurs in every continent.

S-M "Round the World" short wave receivers have all the advantages of screen grid R.F. amplification, and one dial tuning, new Clough high gain audio amplifications with S-M 255 and 256 audios, and complete shielding cabinets!

730 "Round the World Four"

A complete 4 tube short wave receiver kit with its aluminum shielding cabinet. It has 1 screen grid R.F. stage, a regenerative, non-radiating detector and 2 high gain Clough audio stages. Tunes from 17.4 to 214 meters with four 131 type plug-in coils. Brings in five continents in an evening's tuning.

731 "Round the World Adapter"

This is the 2-tube R.F. amplifier and detector, less the 2-stage A.F. amplifier of the above set, with an adapter plug. It converts any set at all long-distance short wave reception. Ideal for television reception.

732 "Round the World" Essential Kit

Contains the new tuning and tickler condensers, four plug-in coils for 17.4 to 204 meters, a coil socket, and three R.F. chokes. Instructions for building a 1, 2, 3 or 4-tube short wave set.

730 "Round the World Four Kit"

Complete, factory packed with cabinet. Ship. wt., 11 lbs.

No. 8897. List Price, \$51.00. NET.....

\$29.99

731 Round the World Four Adapter

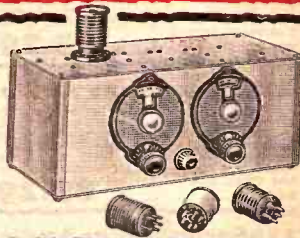
Complete, factory packed kit with cabinet. Ship. wt. 8 lbs.

No. 8898. List Price \$36.00. NET **\$21.17**

732 Round the World Essential Kit

Complete, factory packed kit described above. Ship. wt., 3 lbs.

No. 1060. List Price, \$16.50. NET... **\$9.70**



Midget Plug-In Coils

Coil forms for any 5 prong socket. Winding space 1 1/2 in. long by 1 1/2 in. diam. at bottom. Wt., 8 oz. each.

No. 1001.	130-P Coil Form—smooth. List 65c. NET.....	38c
1002.	130-T Coil Form, 98 1/2 threads. List 65c. NET.....	38c
1003.	131-T Coil, 17.4 to 32.1 meters with .00014 mfd. cond. List \$1.25. NET.....	74c
1004.	131-U Coil 31 to 58 meters with .00014 mfd. cond. List \$1.25. NET.....	74c
1005.	131-V Coil 57 to 110 meters with .00014 mfd. cond. List \$1.25. NET.....	74c
1006.	131-W Coil 104 to 204 meters with .00014 mfd. cond. List \$1.25. NET.....	74c
1007.	132-A. 190 to 350 meters with .00035 mfd. cond. List \$1.25. NET.....	74c
1008.	132-B Coil—R.F. trans. for Laboratory Set. List \$1.25. NET.....	74c
1009.	132-C Coil—Oscillator for 1929 Laboratory Set. List \$1.25. NET.....	74c

Silver Marshall Transformers

S-M

WHEN the bewildering story of the radically new S-M Clough-system audio transformers burst out upon the 1928 Radio Trade Show at Chicago, it caused incredulous wisecracks to crowd around the test bench where these new transformers were being ruthlessly pitted against the highest priced instruments ever placed upon the market. One man after another turned away, convinced beyond question that here was the greatest actual advance in quality of reproduction that American inventive genius has brought forth in years.

New S-M Audios

Just Two Years in Advance

NO matter what kind of set you have or are going to build, these new transformers (audio) will give you greater amplification, tonal quality you've never heard before, and greater "punch" and volume. They are the first audio transformers to give freedom from the hysteretic distortion found in all other types. They are the first to give the realism of recreation that will make you wonder.

S-M transformers have been acknowledged leaders for two years—now these new types place S-M performance just two years ahead of the best—yet you can have this finer performance in every set you build! Install it in your present set, or less than average transformer costs.

223 Hi-Mu Audio

No. 951. For use between 1X222 first stage screen grid tube, space charge connection, and any standard power tube. Average voltage gain of 42 per stage. Wt., 4 lbs. List Price, \$9.00. NET **\$5.29**

225 First Stage Audio

No. 952. For use between any standard detector and first audio stage. Flat curve up to 5,000 cycles with greater amplification at 32 cycles than at 1,000 cycles. Effective voltage gain, 4.3 to 1. The finest A.P. transformer ever manufactured. Wt., 4 lbs. List Price, \$9.00. NET **\$5.29**

226 Second Stage Audio

No. 953. For use with 225, above, between first and second stages, and has a voltage gain of 3 to 1. Sharp cut-off between 5,000 and 8,000 cycles. Wt., 4 lbs. List Price \$9.00. NET **\$5.29**

251 Output

No. 954. A combination output unit to match any standard power tube and giving a new standard of performance to any amplifier with 112 or 171 type tubes. Wt., 4 lbs. List Price, \$6.00. NET **\$3.53**

255 First Stage Audio

No. 955. Used between detector and first audio stage, it provides a rise in amplification between 65 and 300 cycles and is then a perfectly flat characteristic to 8000 cycles. Effective ratio, 4.2 to 1. Wt., 4 lbs. List Price \$6.00. NET **\$3.53**

256 Second Stage Audio

No. 956. A companion to 255 for use in second stage to provide a similar curve. Ratio, 3.5 to 1. One 255 and one 256 will give finest reproduction. Wt., 4 lbs. List Price, \$6.00. NET **\$3.53**

S-M Standard Transformers.

The famous S-M 220's and all other standard transformers are more popular than ever and provide better performance. They need no introduction to the radio fan, they are ideal for light socket power amplifiers and public address systems.

220 Audio Transformer

No. 1065. An all-stage transformer providing substantially straight-line amplification from 30 to 5000 cycles. Ratio, 3 to 1. Sharp cut-off above 5,000 cycles. The largest selling high grade transformer ever made! Ship. wt., 4 lbs. 6 oz. List Price, \$9.00. NET **\$4.71**



221 Output Transformer

No. 1064. For use between speaker and power tube in any radio receiver to prevent blasting and damage to speaker, and to improve reproduction. Ratio, 1 to 1.89. Ship. wt., 4 lbs. 4 oz. List Price, \$9.00. NET **\$4.71**

222 Output Transformer

No. 1066. Same as No. 221 except equipped with four tip jacks and 5 foot cord. Shpg. wt., 4 lbs. 5 oz. List Price, \$8.00. NET **\$4.71**

230 Push-Pull Input

No. 1054. For use in a high grade push-pull amplifier or as a variable radio audio transformer, with ratio of 3 to 1 or 4 to 1. Frequency characteristics same as 220. Ship. wt., 4 lbs. 6 oz. List Price, \$10.00. NET **\$5.88**

231 Push-Pull Output

No. 1053. For use with No. 230 in push-pull circuit or as a variable ratio output transformer to match either 112 or 210, or 171 and 250 tubes. Ship. wt., 4 lbs. 6 oz. List Price, \$10.00. NET **\$5.88**

242 Microphone Transformer

No. 957. For use as either single or double-button microphone or as a line input transformer to power amplifiers. Two primaries and one secondary. Ship. wt., 2 lbs. 4 oz. List Price, \$7.00. NET **\$4.12**



247 Filament Transformer

No. 958. For use in heating A.C. tube filaments. Supplies 1.5 volts at 5 amps.; 2 1/2 volts at 3 1/2 amps.; and 5 volts at 1 amp. Ideal for use with A.C. harnesses. Ship. wt., 2 1/2 lbs. List Price, \$5.00. NET **\$2.94**

325 Filament Transformer

No. 959. A heavy duty filament lighting transformer supplying 1 1/2 volts at 12 amps.; 2 1/2 volts at 12 amps. and 5 or 7 1/2 volts at 3 amp. Ship. wt., 5 lbs. List Price, \$12.50. NET **\$7.35**

S-M Power Transformers



The S-M line of power transformers comprises a transformer for every need. They have long been the standard in power supply units, because of their generous design coupled with costs lower than competitive types.

327 Power Transformer

No. 960. A heavy duty transformer for 281 half-wave or 280 full-wave rectifiers. Has two 250 volt; two 7 1/2 volt, 2 amp.; one 1 1/2 volt, 1 amp.; and one 2 1/2 volt, 2.5 amp. secondaries. For 110 volts, 60 cycles A.C. only. Shpg. wt., 8 1/2 lbs. List Price, \$15.00. NET **\$8.82**

328 Power Transformer

No. 961. A heavy duty transformer for fullwave 281 rectifiers. Has two 550 volt, 125 M.A.; two 7 1/2 volt, 2 1/2 amp. secondaries. Furnishes ample ABC current for 210 or 250 tubes and receiver besides. For 110 volt 60 cycle A.C. only. Shpg. wt., 7 1/2 lbs. List Price, \$20.00. NET **\$11.76**

329 Power Transformer

No. 1063. For gaseous or filament type rectifiers. Has two 200 volt and one 2 volt, 2 amp. secondaries. For 110 volt, 60 cycle A.C. only. Equipped with cord and plug. Shpg. wt., 4 lbs. 14 oz. List Price, \$9.00. NET **\$5.29**



329A Power Transformer

No. 1062. For gaseous or filament type rectifiers. Has two 275 volt, 125 M. A., one 5 volt, 1 amp.; one 1 1/2 volt, 6 amp.; and one 2 1/2 volt, 6 amp. secondaries. Complete with cord and plug. Shpg. wt., 5 lbs. List Price, \$11.00. NET **\$6.47**

330 Power Transformer

No. 1061. Has two 330 volt and one 7 1/2 volt, 4 ampere secondaries. Complete with cord and plug. Shpg. wt., 5 lbs. List Price, \$9.00. NET **\$5.29**

331 Unichoke

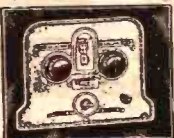
No. 1058. A two winding high inductance double filter choke of combined brute force type. Inductance, primary 2 henries, secondary 30 henries. Rating 125 M.A. continuous duty. Shpg. wt., 4 lbs. 10 oz. List Price, \$8.00. NET **\$4.71**

SM

Silver-Marshall Parts

EVERY experienced fan knows the high quality and dependability of S-M standard parts. Each and every S-M product is built with just two ideals—the first, to make the best possible product regardless of cost, and the second to pass on to you the savings made possible through quantity production methods possible only to the largest quality parts manufacturer in America.

806-L Vernier Drum Dial



No. 962. A left-hand drive dial with beautiful gold etched scale. Positive in action. No backlash. Walnut knob. Complete without panel window. Ship. wt. 1/2 lb. List Price, \$2.50.

NET **\$1.47**
806S Vernier Drum Dial
 No. 963. Same as 806L, except for right-hand drive. Ship. wt. 1/2 lb. List Price, \$2.50.
 NET **\$1.47**

323 Three Gang Condenser

A three unit gang condenser, the most accurate ever made, in rugged die-cast frame for either side, end or bottom mounting. Each unit is equipped with an individual compressor and shielded from other units. Capacity each unit .00085 mfd., all units guaranteed to match to within 1% over upper half of scale, or to 1 mfd. over lower half of scale. Ship. wt. 1/2 lb.
 No. 972. List Price, **\$7.94**
 \$13.50. NET



320-R Universal Condenser

A single .00085 mfd. variable condenser, truly universal, with full floating removable shaft. Mounts on either side, bottom or either end for left or right hand drive. Double-spaced modified SLR-SLW plates. Size 2 1/2 by 4 1/2 by 4 inches. Ship. wt. 1 lb.

No. 970. List Price, \$4.00. **\$2.35**

321 Variable Condenser
 No. 971. 321 Condenser—same as 320R, except capacity is .00014 mfd. List Price, \$4.00. NET **\$2.35**

340 Midget Condenser
 Capacity, .000003 to .00005 mfd. Lacquered brass plates mounted on a Bakelite end plate. For panel or base mounting. Complete with bakelite knob. Ship. wt., 6 oz.
 No. 1070. List Price \$1.50. NET **88c**



342 Midget Condenser
 No. 1069. Same as 340 except capacity is .000004 to .000075 mfd. Ship. wt., 6 oz. List Price, \$1.75.
 NET **\$1.03**

342-B Midget Condenser
 No. 973. Same as 342 except shorter shaft and closer plate spacing. Higher capacity. Wt. 6 oz. List Price, \$1.75.
 NET **\$1.03**

638 Stage Shield

A small, compact copper shield 1 1/2 in. long, by 5/8 in. high and 2 1/2 in. wide, with pierced bottom and removable sides and top. Accommodates any kind of tube with any S-M plug-in coils, plus resistors and by-pass condensers. An ideal shield for all R.F. stages. Ship. wt., 7 oz.
 No. 974. List Price, \$1.50. **88c**

NET

631-A Stage Shield
 A slotted and pierced aluminum bezel shield with removable top, 5 1/2 in. long, 1 1/2 in. wide. Bottom pierced for coil, socket, condenser, chokes, and loads. An ideal R.F. stage shield. Ship. wt., 11 oz.
 No. 978. List Price, \$2.00. **\$1.18**



NET

540 Sub-Panel Brackets
 Cadmium plated steel sub-panel brackets, 6 in. long, 1 1/2 in. high, and 3/4 in. wide, with screws and nuts. Ship. wt., 4 oz.
 No. 1089. List Price, 70c per pair. NET **41c**

Jewellers' Time Signal Amplifiers

Famous S-M Time Signal Amplifiers are three stage and detector, sharply tuned long-wave amplifiers for use with any DC R.F. tubes (No. 440 for 201A's and No. 440SG for screen-grid tubes). They consist of three stages of R.F. amplification, individually copper shielded and laboratory tuned and calibrated to 112 K.C.—plus a super sensitive detector.
 No. 1556. 440 Time Signal Amplifier. For standard 201A tubes. Ship. wt., 1 1/2 lb. List Price, **\$20.58**
 \$35.00. NET
 No. 1557. 440SG Time Signal Amplifier. For screen grid tubes. Ship. wt., 1 1/2 lb. List Price, **\$23.52**
 \$40.00. NET



LONG WAVE TRANSFORMERS

The famous S-M 210 and 211 transformers have enjoyed a long-lived reputation and are known the world over. Enclosed in black bakelite case with knurled binding posts. They may be used with UX199, UX201A, or UX222 screen grid tubes, with which they are ideal.

210 Long Wave Transformers
 No. 1097. Iron core type supplied at any frequency between 50-60 K.C. (or between 60-70 K.C. for 199 tubes). Ship. wt., 4 1/2 oz. List Price, \$6.00. **\$3.53**

211 Long Wave Transformers
 No. 1096. Sharply tuned air-core type. Supplied in any peak frequency from 50 to 70 K.C. Ship. wt., 6 oz. List Price, \$6.00. NET **\$3.53**

S-M Plug-In Coils

S-M Plug-In coils have held for three years a position of leadership. Itibbed molded bakelite formation, spaced windings and low losses make them the most efficient coils known today. They are made in five ranges for 11 wave bands from 30 to 3,000 meters and are for use with a .00035 mfd. condenser, except 17 types for .00014 mfd. condensers. Wt., 8 oz. each. The ranges are as follows:

Cat. No.	S-M No.	Range	Cat. No.	S-M No.	Range
1074	110-A	100 to 550 meters.	988	114-F	114-80
1075	110-B	150 to 200 meters.	989	114-G	114-80
1076	110-C	30 to 15 meters.	1083	115-A	115-A
1077	110-D	50 to 1500 meters.	1084	115-D	115-D
986	110-E	110 to 3000 meters.	1087	115-E	115-E
1078	111-B	100 to 200 meters.	1088	116-A	116-A
1080	111-C	30 to 15 meters.	988	116-E	116-E
1081	111-D	50 to 1500 meters.	1089	117-M	117-M
1082	111-E	110 to 3000 meters.	990	117-N	117-N
983	114-R	100 to 200 meters.	991	117-O	117-O
984	114-S	30 to 15 meters.	992	117-P	117-P
985	114-D	50 to 1500 meters.	993	118-A	118-A
986	114-E	110 to 3000 meters.	994	118-A	118-A

All S-M A, B, C, SG, M, N, O and P Coils.
 List Price, \$2.50. NET **\$1.47**
 All S-M D and E Coils.
 List Price, \$5.00. **\$2.94**

NET
 R-M 118 Coil form only.
 No. 1072. List Price, \$1.75. **\$1.03**
 R-M 515 Coil Socket.
 No. 1071. List Price, \$1.00. **59c**

807 Drum Dial Window
 No. 964. A single drum dial window for above dials. Antique brass finish, very attractive. Ship. wt., 2 oz. List Price, **29c**
 50c. NET

808 Single Control Escutcheon
 No. 965. An antique brass control panel for one dial, combined volume control, on-off switch, and sensitivity control. Size 6 1/2 in. high by 3 in. long. Ship. wt., 1/2 lb. List Price, \$2.25.
 NET **\$1.32**

809 Dual Control Escutcheon
 No. 966. An antique brass control panel for two dials and two auxiliary controls. Used on S-M 720 and 740 receivers. Size 6 1/2 in. high by 8 1/2 in. long. Ship. wt., 2 oz. List Price, \$2.75. NET **\$1.62**

703 Walnut Finish Panel
 No. 967. 7x24 in. steel panel to adapt S-M escutcheon to standard cabinets. Wt., 2 lbs. List Price, \$4.00.
 NET **\$2.35**

511 Tube Socket
 No. 1052. A four prong genuine moulded bakelite socket for all standard UX tubes. Positive contact spring. Ship. wt., 2 oz. List Price, \$1.50.
 NET **29c**

512 Tube Socket
 No. 1051. Same as 511 except 5-prong for A.C. heater type tubes or for S-M 130 Series plug-in coils. Ship. wt., 2 oz. List Price, \$1.50.
 NET **35c**

275 R. F. Choke

No. 1095. To keep R.F. currents from going astray. Polished moulded bakelite case. Impregnated winding. Inductance 2 1/2 mh. For use up to 600 meters. Ship. wt., 2 oz. List Price, 90c. **53c**



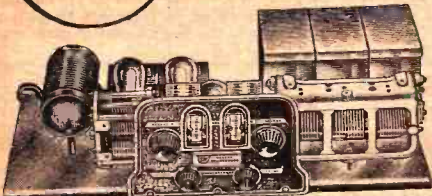
NET

276 R. F. Choke
 No. 1094. Same as 275 except for use above 600 meters. Inductance 10 mh. Ship. wt., 2 oz. List Price, \$1.00. **59c**

277 R. F. Choke
 No. 968. Specially designed for use below 200 meters. Low distributed capacity and better short wave qualities than any competitive choke. Used in S-M "Round the World" Four Kt. Ship. wt., 2 oz. List Price, \$1.50. **88c**

818 Hook-Up Wire
 No. 969. The popular No. 20 tinned copper, fabric covered hook-up wire. Put up in 25 foot coils. Ship. wt., 3 oz. List Price, 50c. NET **29c**

SM 720 Screen Grid Six



Tremendous Amplification **\$42⁶³**

For A. C. or D. C. Operation As a Kit or Custom Built

NEVER before in the history of radio has there been requirements of the custom-set builder as to the famous S-M 630 SG Shielded Grid Six.

Screen Grid Tubes Successful

Essentially the new 720 Screen Grid Six is a refined and greatly improved model of the earlier type 630 SG which was placed on the market in the early part of 1923. Certainly an improved model of such a kit would be an ideal receiver and that's just what the '720' is!

What's in the 720

The 720 consists of the three stages of radio frequency amplification, using screen-grid tubes, followed by a super-sensitive detector and two stages of Clough high gain audio frequency amplification, with power output tube—112, 171, 210, or 250 tube being optional. Every individual part of the circuit has been designed for greatest efficiency and ease of assembly.

The R.F. stages are controlled by two vernier drum dials operating one single condenser and one "three gang" die-cast bowl-type condenser of unusual accuracy and rigidity. Ganging troubles are forever eliminated. The new S-M 150 Universal coil is used in the antenna stage providing greater antenna selectivity than in any other set. The second and third I.F. stages are tuned by the compensated gang condenser and are individually shielded in separate copper stage shields. The new S-M 255 and 256 A.P. transformers provide twice the average amplification of ordinary audios and in addition give the set unequalled fidelity of tone.

Astonishing Performance

So selective is the 720 Screen-Grid Six that, operated in the heart of Chicago, within only one to three miles of powerful local stations, it brought in out-of-town stations only one dial division (10 K.C.) away from locals! On a short antenna it has brought in consistently, both East and West Coast stations on warm summer evenings. Think of it! KFI was heard in Chicago through WCFL (a very powerful local, one mile away) on a hot summer night, WJZ regularly through WJZ two miles away! The set logs positively and cannot get out of gang. It will bring in with full volume stations that cannot even be heard on much more expensive factory-built sets.

Attractive Appearance

With its beautiful antique brass control escutcheon, walnut knobs and the beautiful new S-M 700 metal cabinet, finished in two-tone moiré brown the 720 is a joy to the eye as well as to the ear. Its appearance when custom-built is far beyond the standards of ready-made sets and will harmonize with any surroundings. The metal cabinet provides 100 per cent shielding, augmenting the selectivity of the receiver.

700 Shielding Cabinet

Two-tone moiré finish metal cabinet, with light-glazed panels. Fully gilded and provided with ventilating louvers. Size, 10 1/2 in. high, 10 in. long, 10 in. wide and 7 1/2 in. high. Complete, with walnut base molding. Ship. wt. 17 lbs. **\$5⁴⁴**

No. 1088. List Price, \$9.25. NET.....

701 Universal Chassis

Steel chassis for new S-M circuits, formed, pierced and enameled. Size, 2 1/2 in. wide by 5/8 in. high. Included with 720 Kit, but sold separately if desired. Ship. wt. 3 lbs. 9 oz. **\$1⁷⁷**

No. 1010. List Price, \$3.00. NET.....

702 Wood Chassis

A ten-lead coded cable, fabric covered with tinned in. long, 9/16 in. wide and 3/8 in. thick. Fits 700 cabinet. Ship. wt. 2 lbs. 11 oz. **89c**

No. 1011. List Price, \$1.50. NET.....

720 AC Screen Grid Six Kit

Note: At such indefinite time as Radiotron and Cunningham screen grid tubes, designed for A.C. operation, may be on the market and generally distributed, there will be available an

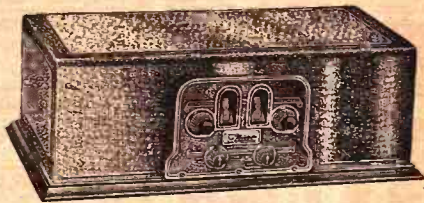
been a receiver design so completely fulfilling the does the new S-M 720 Screen Grid Six, successor

Marvelous Reproduction

The tone quality of this receiver with the famous S-M 255 and 256 transformers is truly remarkable. With their flat characteristic from 100 to 8000 cycles and their rise in amplification below 100 cycles, every note of the musical scale is brought out with the full volume and fidelity of tone, without hysteretic distortion found in ordinary transformers eliminated.

Easy to Build

Attention to every detail in the layout and design of the 720 has made it very easy to build. All parts are assembled on the ready-pierced metal chassis in a short time, and the wiring is simple and direct. The ganging, heretofore the hardest part of a single-control receiver, is already done, making only a small adjustment of the compensators necessary to perfectly line up the receiver. The custom-set builder standardizing on this set will have the benefit of national advertising and publicity, a set that goes together positively and that will out-demonstrate every fine ready-made receiver twice and three times its cost. Never before has such a value been offered—a complete simple screen grid kit for only \$72.00 list, far better than any factory-built set and far lower in price!



720 Screen Grid Kit

Complete, factory packed, as described above, less tubes, requires 3 CX222 (CX3292), 1 UX201A (CX301A), 1 UX112A (CX312) and 1 UX171A (CX371A); less No. 700 cabinet at \$8.50 list. Ship. wt. 18 lbs. **\$42⁶³**

No. 8894. List Price, \$72.50. NET.....

Custom Built 720 Screen Grid Six

720 Wired Screen Grid Six is available custom-built, wired and tested in S-M factory (with factory label) complete with cabinet. Wt. 35 lbs. **\$59⁹⁸**

No. 8899. List Price, \$102.00. NET.....

708 Ten Lead-Battery Cable

A ten-lead coded cable, fabric covered with tinned ends, 5 feet long over all. Furnished with S-M 720 Kit, but sold separately if desired. Ship. wt. 3 oz. **\$1⁰³**

No. 1012. List Price, \$1.75. NET.....

SPECIAL VALUES

Gordon Phonograph Pickup



Latest development in electric phonograph pickups. Astounding reproduction of phonograph records through the radio set amplifier and loudspeaker.

Brings out the full tone and timbre of the new electrically cut records. May be used with any phonograph or any turn table. Amplifies the phonograph record electrically and reproduces it through the loudspeaker.

See page 57.

Universal A-C or D-C

Furnished with adapter for use with battery or electric sets. Wt., 3 lbs.
No. 6529. **\$6⁷⁵**
List, \$13.50.
YOUR PRICE...

Two Rate Charger

Trickle and 2 Amp. Charging Rate

Can be used either as a trickle charger with a relay or as a high rate full 2 amp. charger which will bring an average storage battery to full charge over night. See pages 44 and 45.



Dry Disc Rectifier

No acids, no bulbs, no moving parts. Absolutely quiet, dry and dependable. Requires no attention. Rectifier has unusually long life. A dependable charging unit. Also ideal for exciting field coil of six volt D. C. type dynamic speakers.

Priced Sensationally Low

No. 8079. Your Special Price complete with rectifier **\$4⁹⁵**
Shpg. wt., 5 lbs.

GREATEST CONE SPEAKER VALUE



Designed for use with the better grade receiving sets where true, natural life-like reproduction is the chief object. A marvelous speaker. Its performance will equal most dynamic units. A practical speaker for any home

where the tremendous power of a dynamic reproducer is not required yet where exquisite musical rendition at reasonable cost is desired.

Cabinet By Master Craftsman

A genuine walnut cabinet richly finished and hand-rubbed to a smooth satin-like appearance. Graceful attractive design with beauty in each line. The grill work is finely finished and backed with heavy grade silk cloth.

Better Than The Best

Not an unknown product but built by the foremost speaker manufacturer whose products are nationally known and respected. By special arrangement we offer you the highest quality magnetic speaker obtainable at any price far below its market value. Weight, 20 lbs.

YOUR PRICE **\$13⁹⁵**
List, \$50.00.
No. 8452.

See page 34.

Symphonic Cone

Free Edge

Scientifically designed to cover the lowest and highest frequencies of the musical scale. New, sensitive unit with oversize heavy magnet responds to the slightest impulse. Will not rattle or chatter at the high frequencies. A remarkable 16 in. free edge cone reproducer.

NEW DESIGN

The metal stand with artistic leaf design is finished in a soft harmonious shade. The cone is of beautiful leatherette parchment paper.

VOLUME

Built to deliver enormous volume. The new power unit is adjustable for any type receiving set. See Page 35. Weight, 5 lbs.
No. 8529. List, \$9.50.
YOUR PRICE **\$3³⁵**



Balanced Armature Speaker Unit

A supreme power unit delicately adjusted for fine reproduction. Oversize magnet, large windings, will handle full volume without blasting or chattering. Ideal for phonograph and for replacement and use with any air column reproducer. See page 37.



Priced As A Leader

The astounding low price at which we offer this superior speaker unit in no way indicates its real value. A genuine \$8.00 unit at a low price for your profit. Wt., 2 lbs. **\$1⁶⁹**
No. 6638.
List, \$8.00.
YOUR PRICE

MASTER Speaker Tables



Genuine walnut beautifully finished speaker table. Will accommodate Radiola, Atwater Kent, Crosley and practically all other standard receivers. Superior workmanship. Beautifully designed.

See page 23 for full display. Will accommodate magnetic or dynamic speakers the front apron of the

table affording an excellent base for either type:
No. 9200. Walnut, without speaker, Wt., 50 lbs. YOUR PRICE **\$10⁴⁵**
No. 9246. Walnut, with 110 v. A. C. Dynamic. Wt., 70 lbs. **\$32¹⁵**
YOUR PRICE
Finished in colors also—Chinese Red, Green, Ivory. See page 23.

TEMPLE AIR COLUMN DRUM

A Tremendous Value

Genuine Temple Air Column Speaker. Acoustically perfect. Air Column 54 in. long. Furnished with new large Temple balanced armature unit which responds to the weakest signals.

Enormous Volume

Re-creates every tone from a whisper to a full symphony orchestra faithfully, and with life-like reality. No distortion—no chattering. Covers the full musical scale—the highest and lowest portions of audible sound. See page 27.

4 1/2 FT. AIR COLUMN

The perfect loudspeaker. Beautifully finished. Distinctively decorated. Graceful and attractive. Weight, 20 lbs. No. 8534. List, \$22.50. YOUR PRICE **\$12⁷⁸**



Knight A-C All Electric

Shielded Chassis



Powerful Amplification

THIS famous Knight 10/11 A-C Chassis represents a distinct achievement in radio engineering. The product of a skilled staff of radio engineers, it offers a perfectly synchronized and co-ordinated assembly of the finest parts—producing a multiple tube receiver that is far in advance of present day radio standards.

Distance Range

Employing a total of eleven tubes this remarkable Knight Chassis is establishing a new standard in sensitivity. Instantly responsive to the faintest impulses, it provides a distance range that will prove an ever increasing delight to its owner. Comparative tests, under the most trying conditions will quickly convince you of its extreme sensitivity.

SINGLE CONTROL

Years of radio research stand back of the Knight 10/11 A-C Chassis. Five stages of radio frequency amplification provide a sensitivity and distance range beyond comparison. You do not have to be an engineer to tune the Knight 10/11. There are no artificial adjustments to be made. Its illuminated drum dial provides perfect control. Vernier construction permits sharp tuning—yet its selectivity permits you to cut right through the locals and bring in the distant stations without annoying interference.

USES THE NEW A-C TUBES

The advent of the new A-C Tubes whose filaments are actuated by raw A-C makes possible real A-C Operation in the Knight Circuit.

\$55⁰⁰ NET

11 TUBES FOR POWER—DISTANCE—TONE

EFFICIENT design in the Knight 10/11 Circuit takes from each tube its full power, resulting in remarkable sensitivity and selectivity.

Its audio system, employing a total of four tubes, provides a tone quality of unusual fidelity, while its power tube equipment results in a reserve of volume far in excess of all normal requirements. Each part used in its assembly is carefully tested for both its mechanical and

electrical characteristics assuring remarkable efficiency in the finished receiver. The sub-chassis is die formed in one piece of 16-gauge metal. Heavily cadmium plated, it provides unusual protection for the wiring of the receiver. Its power plant is constructed of an oversize transformer and extra large chokes, providing a wide safety factor. Designed for operation on 105-120 volts, 50-60-cycle A-C current.

PERFECT LIGHT SOCKET A-C OPERATION

In the Knight 10/11 A-C Circuit the many annoying inconveniences of battery operation are eliminated. Employing the new A-C Tubes it offers you real A-C convenience. The chassis comes to you as one complete

unit and requires only to be plugged into the electric light socket for all its power. The dependability of your electric light current becomes the dependability of your receiver, resulting in unusual consistent performance.

Push Pull Power Amplification

CONSTRUCTED OF ONLY THE FINEST PARTS

ONLY the finest parts are used in the construction of the Knight A-C 10/11 Chassis. Its triple gang condenser is of the bath-tub type with one-piece die cast aluminum frame eliminating variations or changes in capacity in the body of the condenser itself. The radio frequency coils are space wound of enameled wire on specially Bakelite Tubing of exact size, permitting perfect matching and eliminating variations caused by moisture absorption or other climatic conditions. They are securely mounted with sturdy brackets to a metal sub-base in a unique manner, eliminating inter-coupling between stages. The sockets are of the double spring contact type providing a constant firm pressure to the tube prongs at all times—a distinct advantage where the new A-C Tubes are employed.

PUSH-PULL POWER AUDIO

Push-pull audio amplification, because of its remarkable tone quality and volume is used in the Knight 10/11 Chassis. Employing a total of four tubes, two of which are power tubes, it provides tremendous volume yet offers perfect control from a whisper to the full throated timbre of a mighty organ, all without the slightest bit of distortion.

SELECT YOUR OWN CONSOLES

In the large assortment of beautiful consoles shown in this catalog, you will be sure to find just what you have been looking for. By buying the chassis alone and selecting your own console and speaker you get just what you want—or if you prefer you can buy the chassis only as listed.

CHASSIS ONLY AS DESCRIBED

Here you are offered the famous Knight A-C 10/11 All-Electric Chassis without tubes, aerial or ground equipment. For operation it requires 7 type 226 A-C Tubes, 1 type Y227 A-C Detector Tube, 2 type 171 Power Tubes, and 1 type X280 Rectifier Tube along with all necessary aerial and ground equipment. Chassis measures 18 in. by 8 in. by 13 in. Shipping weight, 70 lbs. No. 9857. Retail list, \$120.00.

YOUR PRICE.....

\$55

The Answer to "What Radio Shall I Buy?"



The Beautybox Knight 10-11 AC Electric

Sensational Performance — Tone and Volume

IN the Beautybox Knight 10/11 A-C Electric you are offered the famous chassis listed on Page 74, housed in a beautiful metal cabinet attractively finished in a wide variety of colors. It offers you everything you look for in a table model receiver—real A-C Operation, unusual selectivity, marvelous tone quality and tremen-

dous volume. Its remarkable distance range and selectivity enables you to cut right through the locals and bring in the distant stations with a total freedom from critical adjustments. As you turn the attractive illuminated drum dial, station after station will come in with remarkable quality and volume.

PERFECTLY MATCHED AND BALANCED

The careful matching of all parts used in the assembly of the Knight Circuit, with its perfect balancing on completion, produces peak efficiency from the lowest to the highest wavelengths in the broadcast band. Wired in the new harnessed style, it presents an unusually neat appearance with a total absence of loose wires assuring a minimum of servicing.

SET ONLY AS DESCRIBED

Here you are offered this remarkable Beautybox Receiver with its famous Knight 10/11 A-C Circuit at a price far below its actual value. The tubes, aerial equipment and speaker necessary for its operation are not included. Shipping weight, 78 lbs.

No. 9922. **Brown Bronze.**
No. 9925. **Chinese Red.**
No. 9928. **Chinese Green.**

Retail list, \$130.00.
YOUR PRICE

\$59⁵⁰

Knight 10/11 A-C Circuit

The Knight 10/11 A-C Circuit consists of five stages radio frequency, two of which are tuned, one tuned detector stage, two stages transformer coupled audio frequency amplification and one stage of bass reproducing push-pull power amplification employing power tubes. Its power plant is of ample size and excellent design and is built in as an integral part of the sub-chassis. It assures you of the utmost in quiet hum-free operation.

SET WITH CONE SPEAKER TABLE

Here the Beautybox Receiver is offered complete with a beautiful speaker table equipped with genuine Farrand Magnetic Cone Speaker. The receiver tables are in colors to match. A complete description of these speaker tables will be found on Page 23. Shipping weight, 110 lbs.

No. 9923. **Brown Bronze Receiver with walnut table.**
No. 9926. **Chinese Red with red table.**
No. 9929. **Chinese Green with green table.**

Retail list, \$160.00.
YOUR PRICE

\$77⁰⁰

SET — With Accessories READY TO OPERATE

Here the Beautybox is offered complete with all accessories necessary for its operation, except speaker. Equipment consists of 7 type X226 A-C Tubes, 1 type Y227 A-C Detector Tube, 2 type X171 Power Tubes and 1 type X280 Rectifier Tube, along with all necessary aerial and ground equipment. Highly recommended.

No. 9924. **Brown Bronze.**
No. 9927. **Chinese Red.**
No. 9930. **Chinese Green.**

Retail list, \$195.00.
YOUR PRICE

\$76⁷⁵

BEAUTIFUL COLORED METAL CABINETS

Beautifully finished metal cabinets form the ideal housing for the Knight 10/11 A-C Circuit. Available in a beautiful Brown Bronze, Chinese Red or Chinese Green finish, they offer a color that will harmonize in practically any setting. Cabinet measures 19 in. by 14 in. by 9 1/2 in. Designed for operation on 105-120-volt, 50-60-cycle A-C operation.



Chinese Red - Green - Brown - Bronze - Antique

The DEVONSHIRE Knight 10-11 A.C.



Electric Radio

NEVER before have you been offered such an unusual value in a multiple tube receiver as you are offered in Devonshire Knight 10/11 A.C. It presents the utmost in radio efficiency along with a console of outstanding beauty and striking design. The handsome finish of the console with its burr walnut panels and attractive over-lays adapts it for use in any setting.

Wonderful Tone and Volume

The most important thing in any receiver is its tone quality and volume. What good is the distant station if the music is distorted and hardly recognizable? In the Knight Circuit, push-pull amplification in addition to two regular transformer coupled stages of audio, produces an exquisite tone quality of unusual naturalness, with more volume than you will ever require under normal operating conditions. And this wonderful tone quality and volume are yours on the distant stations just as on locals. Its extreme sensitiveness enables you to cut right through the locals and bring in the distant stations with surprising ease.

Console DeLuxe

The beautiful Devonshire Console will prove the instant delight of all who see it. Its beautifully turned legs and ornamental stretchers impart unusual rigidity. The apron is of the fancy cut-out type embellished with a light colored over-lay producing an exquisite two-tone effect. The front doors and inside panels are of selected burr walnut while its beautiful finish retains all the natural beauty of the grain of this select wood. The console stands 46½ in. high, by 26 in. wide, by 46¼ in. deep.

ELECTRIC OPERATION

In the Devonshire you are offered the convenience of real A-C Operation. It employs genuine A-C tubes whose filaments are actuated by raw A-C current entirely eliminating messy batteries, chargers, etc. Its ample size power plant is built in as an integral part of the sub-chassis. Its oversize transformer and condensers provide a wide safety factor assuring freedom from breakdowns. Equipped with a genuine Farrand Magnetic Type Cone Speaker it assures you of the utmost in tone and volume. Designed for operation on 105-120-volt, 50-60-cycle A-C current.

SEE PAGE 74 FOR COMPLETE CHASSIS DESCRIPTION

SET WITH FARRAND SPEAKER

Here the Devonshire Knight 10/11 A.C is offered complete with a genuine Farrand Magnetic Cone Speaker. The famous Knight 10/11 A-C Circuit as fully described on Page 74 is comparable in every way with the season's highest priced receivers. It offers you real A-C Operation, requiring only to be plugged into the electric light socket for its power. An exceptional value at the low price quoted. Tubes, aerial and ground equipment not included. Shipping weight, 145 lbs.

No. 9932. Retail list, \$175.
YOUR PRICE.....

\$89⁷⁵

WITH FARRAND DYNAMIC SPEAKER

No. 9836. Same as above, except equipped with genuine Farrand Dynamic Power Cone Speaker. Shipping weight, 155 lbs.

Retail list, \$220.00. YOUR PRICE.....

\$103⁷⁵

COMPLETE SET WITH ALL ACCESSORIES

Here the Devonshire is offered complete with all accessories necessary for its operation. Nothing has been overlooked. Just plug it into the electric light socket and it is ready to operate. Equipment includes 7 type X226 A-C tubes, 1 type Y227 A-C detector tube, 2 type X171 power tubes and 1 type X280 rectifier tube along with all necessary aerial and ground equipment. Genuine Farrand Magnetic Cone Speaker built-in.

Shpg. wt., 150 lbs.
No. 9933.
Retail list, \$210.00.
YOUR PRICE.....

\$107⁰⁰

WITH DYNAMIC SPEAKER

No. 9837. Complete with all accessories, as above, but with Farrand Dynamic Power Speaker. Shipping weight, 160 lbs.

Retail list, \$250.00. YOUR PRICE.....

\$121⁰⁰

THE EDINBURGH ALL ELECTRIC Knight 10-11

RADIO PERFECTION

THE tremendous popularity of the long Air Column Exponential Type Horn has led us to design the Edinburgh 10/11 Knight A-C Receiver. It is equipped with an Air Column Speaker of unusual design along with the famous Knight 10/11 Chassis, producing a wonderful combination in an Ortho-Type Receiver.

REAL A-C OPERATION

In the Edinburgh Model you are offered real Electric Operation. Its ample size powerplant is built-in as a part of the sub-chassis and requires only to be plugged into the electric light socket for its power. Employs the new A-C Tubes. Many of your radio prospects have awaited the day of perfected A-C Design before purchasing their receiver. A-C perfection is now here. It is offered to you in these famous Knight Receiving Sets. Operates on 105-110-volt, 50-60-cycle A-C current.

GENUINE AIR COLUMN SPEAKER

The deep pitch and wonderful full-throated tone quality of the exponential Air Column Horn has created unusual popularity for this type of speaker. The Edinburgh Model is equipped with a genuine Puropower Type Horn having an air column length of 86 in. This horn being of correct exponential design and constructed along estab-

lished acoustical principles, assures you of the finest tone quality. It is equipped with a genuine Fidelity Unit noted for its tremendous carrying power and remarkable fidelity in reproduction. It brings to listening ears a range of tonal beauty that covers the entire scale from the highest to the lowest notes. It catches every delicate shading audible to the human ear.

CONSOLE OF SELECTED WALNUT

Nothing has been spared in the design of this console that would enhance its natural beauty. It is of genuine walnut ply-wood beautifully shaded and sturdily constructed, with a beautiful large size silk-backed grill. Its attractive finish is hand-rubbed to a soft, dull sheen, retaining all the exquisite beauty of the grain of this select wood. Its sturdy massive appearance will meet with the instant approval of the most critical radio buyer.

ILLUMINATED DRUM

SINGLE DRUM CONTROL with translucent scale ILLUMINATED from behind by MINIATURE WAZDA lamp. ONLY ONE STATION SELECTOR simplifies tuning. One of the smaller knobs switches current on or off at will; other knob controls volume to any desired intensity. ATTRACTIVE PANEL APPEARANCE. BRONZE EMBOSSED CHINESE DESIGN escutcheon plates are distinctively different.

RESERVE POWER

Employing a total of eleven tubes, this famous Knight Circuit offers you extreme sensitiveness, unusual selectivity, plus ease in tuning. Its tremendous reserve power assures perfect reception under the most trying conditions. A complete description of this remarkable circuit will be found on Page 74.

PERFECT CONTROL

The perfect matching of all parts used in the construction of the Knight Circuit permits unusually fine balancing providing great efficiency from the lowest to the highest wavelengths in the broadcast band. Its remarkable selectivity makes it the ideal receiver for use in congested broadcasting districts, while its extreme sensitiveness assures remarkable distance range.

UNUSUAL VALUE

You will marvel that such radio quality—such real radio efficiency can be offered at so low a price. Improved manufacturing facilities along with the economies effected through volume sales makes the low price on this receiver possible. Your trade will be quick to appreciate the many advantageous features in the Edinburgh Model.



The attractive Edinburgh Console stands 44 in. high by 17½ in. deep by 28½ in. wide. Opened or closed it presents an unusually striking appearance.



SET ONLY—AS ILLUSTRATED WITH AIR COLUMN SPEAKER

Here the Edinburgh is offered as described above for A-C Operation. It is equipped with an 86-in. genuine Puropower Exponential Type Air Column Horn and famous Fidelity unit. A combination that provides unusual tone quality and volume. A complete description of the famous Knight 10/11 Circuit will be found on page 74. An exceptional value at the low price quoted. Shipping weight, 150 lbs. No. 9834. Retail list, \$220.00.

\$104⁷⁵
YOUR PRICE

SET WITH ALL ACCESSORIES COMPLETE—READY TO OPERATE

Here the popular Edinburgh Model is offered with all necessary accessories for its operation. Equipped with an 86-in. exponential Air Column Horn and Fidelity unit. Accessories include 7 type X226 A-C Tubes, 1 type Y227 5-prong Detector Tube, 2 type X171A Power Tubes, and 1 type X280 Rectifier Tube, along with all necessary aerial and ground equipment. Highly recommended. Shipping wt., 155 lbs. No. 9835. Retail list, \$260.00.

\$122⁰⁰
YOUR PRICE

The La Salle Model

KNIGHT A-C Electric



YOUR RADIO IDEAL

THE radio enthusiast who is satisfied with nothing short of the finest will find his ideal in the La Salle 10/11 A-C Receiver. It offers everything you look for in a quality set—striking beauty in console design, tremendous power and hair-splitting selectivity, the convenience of real A-C Operation, Push-Pull Audio amplification for tone, the finest speaker equipment available and an overall efficiency that stamps it as one of the leading receivers of the season. It is the product of a trained corps of skilled radio engineers, whose years of experience in the design and construction of radio receivers finds its culmination in this famous A-C Circuit.

AN EXQUISITE CONSOLE

In strict keeping with the unusual quality of the Knight 10/11 A-C Circuit is the console in the La Salle Model. It reflects real art in the design of radio furniture. The smallest construction details have been carefully worked out, imparting unusual rigidity and a substantiality that makes it good for years of service. It is finished in a beautiful hand-rubbed lacquer finish that will not mar. The apron is constructed of genuine carved mouldings which go all the way around the sides of the cabinet. This carved moulding construction is far more expensive than a pressed moulding, but the result is far more exquisite.

SWIRLED ENGLISH OAK DOORS NEW DISAPPEARING DESIGN

The beautiful doors of the La Salle Console are of genuine 5-ply veneer, faced with an attractive swirled English Oak. The exquisite, well-figured grain of this wood is retained in all its beauty in the finish of the La Salle Console. An attractive moulding with ornamental carvings along with genuine wrought brass hardware finishes the doors off in unusual style. The doors are so arranged that they dove-tail back into the sides of the console, protecting them from damage. The attractive rope-style twisted legs, securely braced with an attractive cross stretcher add a finishing touch to the overall beauty of the La Salle Console.

MARVELOUS TONE QUALITY

In the old days of radio, the ability of a receiver to pick-up distant stations was almost—tone quality secondary. Today tone quality is first—distance secondary. In the Knight 10/11 A-C Circuit you are offered not only tone quality but a distance range that will prove an ever increasing delight to its owner.

EQUIPPED WITH GENUINE FARRAND SPEAKERS

The unusual tone quality and tremendous volume of the Knight A-C 10/11 Circuit is re-created with unusual fidelity by the famous Farrand Speakers, with which these consoles are equipped. The fine shadings and overtones of the mightiest organ to the booming of the kettle drums, are rendered with such brilliance, such timbre, that one imagines himself in the Concert Hall listening to the original rendition. Operates on 105-120 volt, 50-60 cycle, A-C current.

PUSH-PULL AUDIO

In the audio circuit of the Knight 10/11 A-C receiver a total of four tubes are employed to preclude all possibility of distortion. Push-pull audio amplification using power tubes provides a reserve of power far in excess of normal requirements. It assures the finest tone quality and ample volume without forcing, yet offers you a real reserve of power.

TREMENDOUS POWER

The advent of Electric Operation has removed the last disadvantage for the use of a powerful receiver in the home. Messy batteries, eliminators, chargers, etc., have been eliminated. The Knight 10/11 A-C Circuit draws all its power from the electric light socket. It assures consistent dependable power eliminating entirely the uncertainty of batteries.

REAL SELECTIVITY

The wonderful tone quality of the tuned radio frequency circuit is offered you in the La Salle Model along with real selectivity. The almost total elimination of inter-stage coupling and stray pick-up provides a non-critical, yet razor-like selectivity beyond comparison with present day radio standards. The illuminated drum dial provides a three to one ratio for fine tuning.

SET ONLY WITH FARRAND CONE

Here the famous La Salle 10/11 Knight A-C Receiver is offered without accessories. It is equipped with a genuine Farrand Magnetic Cone Speaker, a complete detailed description of which will be found on Page 137. The critical radio enthusiast desiring utmost efficiency in radio along with a console of striking design will find his ideal in this remarkable receiver. Considering its unusual quality and low price it presents an unusual value that assures for it tremendous popularity. Shpg. wt., 145 lbs.

No. 9915.
Retail list, \$220.00.
YOUR PRICE.....

\$111⁹⁵

SET ONLY WITH DYNAMIC CONE

Equipped with a genuine Farrand Dynamic Cone Power Speaker the La Salle 10/11 Knight A-C Receiver stands forth as the ideal combination for real tone and volume—remarkable radio efficiency and attractiveness in appearance. A complete description of the famous Dynamic Speaker with which it is equipped will be found on Page 137. Accessories are not included. It offers you the convenience of real A-C Operation.

Shipping weight 155 lbs.
No. 9917.
Retail list, \$260.00.
YOUR PRICE.....

\$125⁹⁵

PUSH PULL POWER

The LaSalle the last word in Radio Reproducers and Console Artistry

Knight 10/11 Circuit

THE famous Knight 10/11 A-C Circuit consists of three untuned radio frequency amplification stages, plus two stages of tuned radio frequency amplification, one tuned detector stage, two stages of base-reproducing audio frequency amplification, and one stage of push-pull power amplification employing power tubes.

All Electric

In the LaSalle 10/11 Knight A-C Receiver you are offered real A-C Operation. It employs the new A-C Tubes whose filaments are actuated by raw A-C Current, entirely doing away with batteries. Its ample size power plant is built-in as an integral part of the sub-chassis, and provides a wide safety factor, assuring freedom from breakdown. It is equipped with a High-Low Switch adapting it for fluctuations in the electric light circuit ranging from 90 to 140 volts. The radio frequency detector, audio amplification and power amplification stages are supplied by separate filament windings, permitting complete isolation between the various functions of the receiver. Operates on 105-120-volt, 50-60-cycle A-C current.

Single Control Illuminated Drum

In the LaSalle Receiver you are offered an engineering triumph in the achievement of practical one-dial control in a multiple tube receiver. The perfect matching of parts—the perfect balancing and peaking of each stage on completion, makes possible this practical one-dial control. The illuminated drum dial provides vernier tuning. As it is rotated, station after station will come in with a clearness and volume that will astound you.

Power To Spare

The tremendous power of the Knight 10/11 A-C Circuit provides a reserve that is seldom called upon in normal use. This reserve power is assurance to you that in the Knight Circuit you are buying the utmost in radio efficiency. The combined power of eleven tubes in the Knight Circuit brings in distant stations with the volume of locals. It places at your finger tips unusual distance range and volume, from a whisper to the full round timbre of a large orchestra. It is radio as you have always wanted it.

Beautiful Panel

The metal panel of the Knight 10/11 A-C Circuit is finished in a harmonious velvety green color that blends well with the finish of the console. The beautifully designed Gold Bronze escutcheon plates are finished in a Chinoise motif attractively etched and embossed.



BETTER FURNITURE

The modern trend to better furniture in the home finds its answer in this beautiful radio console. Its unique design and beautiful finish can only be associated with the highest priced furniture.

A complete detailed description of the Famous Knight 10/11 A-C Circuit appears on Page 74

COMPLETE WITH ACCESSORIES AND FARRAND MAGNETIC CONE

Everything necessary for the operation of the LaSalle Receiver is included. Just plug it into the electric light socket and it is ready to operate. A genuine Farrand Magnetic Cone Speaker is built-in. Equipment includes 7 type X226 A-C Tubes, 1 type Y227 A-C Detector Tube, 2 type X171 Power Tubes, and 1 type X280 Rectifier Tube along with all necessary aerial and ground equipment. Nothing has been overlooked. It offers you the ideal combination for perfection in radio reception. Shpg. wt. 150 lbs.

No. 9916. Retail list, \$260.00.

YOUR PRICE

\$129²⁰

COMPLETE WITH ACCESSORIES AND FARRAND DYNAMIC CONE

Equipped with a genuine Farrand Dynamic Cone Speaker, it offers you the utmost in tone quality and volume. Equipment includes 7 type X226 Genuine A-C Tubes, 1 type Y227 A-C Detector Tube, 2 type X171 Power Tubes, and 1 type X280 Rectifier Tube along with all necessary aerial and ground equipment. Just plug it into the electric light socket and it is ready to operate. A complete description of the famous Farrand Dynamic Speaker with which this console is equipped, will be found on Page 137. Shpg. wt., 172 lbs.

No. 9918. Retail list, \$285.00.

YOUR PRICE

\$143²⁰

SUPER TONE QUALITY

New RADIO-PHONOGRAPH ELECTRIC



\$189

A SENSATION

THE real lover of music and radio will find his ideal in this remarkable thing you would look for in the finest reproducing efficiency and an ample season. It invites comparison with the product of a trained corps of skillful radio apparatus finds its culmination

FROM RADIO TO PHONOGRAPH AT THE TURN OF A SWITCH

In the unique design of this combination special selector switch is mounted in a turntable compartment which permits it to be connected either to the phonograph or the radio receiver. This type of arrangement is necessary for the purpose of preventing the necessity of disturbing any of the tubes in the radio receiver from radio to phonograph or vice versa. Every thing in construction is of the finest. The phonograph motor is in operation—having no brushes or commutator to clean in the receiver.

PUSH-PULL WITH

EMPLOYS 9 TUBES

EMPLOYING a total of 9 tubes in the radio receiver reserve of power—because of A-C All-Electric design—a marvel of engineering skill, offering extreme same wonderful tone quality and volume that you require is yours in radio reception as well. Its distance range is owner. Equipped with a Farrand Dynamic Power Cone speaker of tremendous volume. The unusual sensitivity of the

ASTOUNDING PERFORMANCE

Here you will find everything you look for in the highest priced receivers—real A-C All-Electric Operation—unusual selectivity—marvelous tone quality and unusual volume. Its remarkable distance range and selectivity enables you to cut right through the locals and bring in the distant stations with a freedom from critical adjustments that will astonish you. As you turn the attractive illuminated drum dial, station after station will come in with surprising ease.

PUSH-PULL POWER AMPLIFICATION

The Knight 8/9 A-C All-Electric Receiver installed in this feature radio-phonograph combination provides unusual sensitivity, insuring extreme distance range. Perfect balancing of the radio frequency circuit, coupled with efficient shielding, assures hair-splitting selectivity. The use of push-pull power audio amplification in the audio circuit provides remarkable tonal quality and tremendous volume. The all-metal velvety green finish panel with its attractive Chinese design escutcheon plates, contains only three knobs. One the tuning control, one the volume control and one the off and on switch. The beautiful illuminated drum dial provides perfect control and permits unusually fine tuning due to its vernier construction.

MARVELOUS TONE QUALITY—DYNAMIC SPEAKER EQUIPPED

Equipped with a genuine Farrand Dynamic Power Cone Speaker noted for its marvelous tone quality and volume, it is a reproducing instrument of the first order. The receiver chassis is die formed in one piece of 16-gauge metal heavily cadmium plated to increase its conductivity to radio frequency current and permit the greatest radio frequency gain obtainable. The tuning sockets are of the double spring type with purest nickel-silver contacts. The heavy three-gang condenser is of the new bath-tub type with aluminum dust cast frame. The radio frequency coils are of low loss design, being made of enameled wire on Bakelite forms.

TREMENDOUS RESERVE POWER

The tremendous volume, unusual selectivity and remarkable sensitivity of the circuit provides a reserve of power seldom called upon under normal operating conditions. Its simplified tuning, remarkable distance range and freedom from critical adjustments is establishing a new standard in radio performance.

GENUINE A.C. Operation

Unusual perfection in the design of the power plant used in this radio-phonograph combination makes possible Real Electric Operation—requiring only to be plugged into the electric light socket for its power. It contains a large overvoltage transformer and ample size chokes—and is provided with a special feature for the perfect balancing out of all hum. Operates on 105-120 volts, 50-60 cycle A-C current.

No. 9945. All complete without Tubes or Aerial Equipment,

\$189

NO COMBINATION

ELECTRICALLY OPERATED

UNUSUAL COMBINATION!

radio enthusiast who is satisfied with nothing short of the finest remarkable radio-phonograph combination. It offers you every-thing at the highest priced electrical reproducing instruments—wonder-ful striking beauty in console design, the convenience of real A-C Operation—its attractiveness that stamps it as one of the leading instruments of the highest priced receivers—or electrical reproducing phonographs. It is the work of experienced engineers, whose years of experience in the design and construction of this remarkable radio-phonograph combination.

PHONOGRAPH SWITCH

This instrument is a combination of the phonograph and the reproducer unit which eliminates the need of a separate phonograph when switching entering into its use. It is unusually quiet and free from disturbances.

COMPARABLE TO THE HIGHEST PRICED ELECTRIC PHONOGRAPHS

The remarkable tone quality and volume made possible through electrical reproduction of talking machine records is offered you in all its overwhelming quality in this combination receiver. Power amplification employing two power tubes in a push-pull arrangement assures tremendous amplification without distortion. It produces a tone quality and volume that is comparable in every way to the highest priced reproducing instruments. Comparative tests will quickly convince you of its merit.



PULL AMPLIFICATION POWER DYNAMIC SPEAKER

BEST FOR TONE — VOLUME — POWER!

receiver, it offers you a tremendous volume of sound. Operation. The radio receiver is of the highest sensitivity and selectivity. The reproduction in phonograph reproduction will prove a delight to its proud owner. It is capable of tremendous volume of sound. Operation. The radio receiver is of the highest sensitivity and selectivity. The reproduction in phonograph reproduction will prove a delight to its proud owner. It is capable of tremendous volume of sound.

right through the locals to bring in distant stations under the most trying conditions.

ALL ELECTRIC OPERATION — NO BATTERIES

The use of the new A-C Tubes in this combination receiver makes possible the real convenience of A-C Operation. The dependability of your electric light power becomes the dependability of your receiver—assuring consistent performance. No messy batteries, chargers or eliminators to fool around with—just the real convenience of snapping on your electric light switch for operation.

GORGEOUS WALNUT CONSOLE

The exquisite console is of selected genuine walnut picked for the beauty of its grain. The doors are faced with finely matched butt walnut attractively overlaid with well figured scroll grained maple and heavy shaped moldings. A convenient drop door is arranged at the lower front opening to a spacious chamber providing ample space for four large size record albums. Beautifully turned and fluted legs with ornamental stretcher provides unusual richness in appearance. The console stands 52 in. high, 32½ in. long, and 18¼ in. deep.

BEAUTIFULLY MATCHED BURLS

The illustration above shows the console with its doors open, but with the phonograph equipment closed off. The grill at the right hand side of the console is in the form of a door, dovetailing back into the top of the console exposing the pull-out shelf containing the phonograph equipment, while the other side of the grilled opening houses the genuine Dynamic Power Speaker.

Completely Equipped READY TO OPERATE

This remarkable Radio-Phonograph combination is offered complete with all equipment—requiring only to be plugged into the electric light socket for its operation. Its phonograph equipment consists of a genuine electric induction type motor and turntable—a specially designed tone-arm and high grade electric pick-up. An efficient volume control—a variable speed adjustment and off and on switch, permitting instant switching from radio to phonograph, completes the phonograph equipment. A genuine Farrand Dynamic Power Cone Speaker is built-in as standard equipment. A complete description of this famous speaker will be found on Page 137. The radio receiver comes equipped with all necessary accessories for its operation. Equipment includes 5 type X226 A-C Tubes, 1 type Y227 A-C Tube, 2 type X171 Power Tubes and 1 type X280 Rectifier Tube along with all necessary aerial and ground equipment. Highly recommended as one of the outstanding values of the season. Shipping weight, 160 lbs. No. 9946. Retail list, \$400.00. YOUR PRICE

\$199



Knight BERWYN Phono-Radio A C Electric COMBINATION DE LUXE

HERE you are offered an unusual value in a high grade Radio-Phonograph Combination for A-C Operation. It includes a genuine Farrand Dynamic Speaker assuring the utmost in tone quality.

WALNUT CONSOLE

The genuine walnut console is of unique design. The complete phonograph equipment is contained in the form of a drawer just underneath the radio set. Console is constructed of genuine selected walnut beautifully finished and hand-rubbed to a soft dull sheen. The beautiful front doors go all the way back to the sides. Attractively turned legs and cross stretcher impart unusual rigidity. Console stands 53 in. high, by 28 1/2 in. wide, by 17 1/2 in. deep.

COMPLETE PHONOGRAPH for Electric Reproduction

A genuine induction electric motor and turntable is included. The motor is of the noiseless induction type having no brushes or commutators to set up disturbances in the reproducer. A high grade tone-arm and electric pick-up along with a volume control and off-and-on switch complete the phonograph equipment.

A-C OPERATED

In the Berwyn Phono-Radio combination you are offered the real convenience of A-C Operation—drawing all its power direct from the electric light mains. It offers you dependable consistent operation on 105-120-volt, 50-60-cycle A-C current.

The Radio Circuit

The radio equipment in the Berwyn Model is of the finest. It houses the famous Knight 8/9 A-C Circuit as fully described on Page 12. It offers you the utmost in extreme sensitivity, remarkable distance range, hair-splitting selectivity, tone quality and volume. Its ample size power plant provides a wide safety factor assuring freedom from breakdowns.

DYNAMIC POWER SPEAKER

Dynamic Power Speaker used in this model offers you a perfection in phonograph reproduction and radio reception that is establishing new standards in this type of receiver. It comes to you complete with all necessary accessories requiring only to be plugged into the electric light socket for its power.



Without Tube
\$134⁵⁰
No. 9943

SINGLE CONTROL RADIO ILLUMINATED DRUM

STRIKING panel appearance with the distinctive EMBOSSED BRONZE CHINESE DESIGN acousthenon plate and ILLUMINATED DRUM CONTROL. Real electric reproduction of your phonograph records brings out their marvelous tone quality and volume with unusual fidelity. The unusual efficiency of the Knight 8/9 Circuit offers the critical radio buyer his ideal in radio reception. Its genuine Farrand Dynamic Cone Power Speaker equipment is assurance to the man who knows radio, of the remarkable tone quality and volume-carrying capacity of the Berwyn Model.

MARVELOUS TONE QUALITY

The use of two stages of transformer coupled audio plus one stage of push-pull power audio amplification in the Knight Circuit results in unusual tone quality and volume without a trace of distortion. The Farrand Dynamic Speaker due to its tremendous volume-carrying capacity is the ideal speaker equipment for this circuit. The lover of fine music will be quick to appreciate the exquisite tone quality of the Berwyn Model.

COMPLETE—READY TO OPERATE ALL NECESSARY ACCESSORIES INCLUDED

The Knight Berwyn Phono-Radio combination is here offered as a complete unit. It consists of a beautiful walnut console, the famous Knight 8/9 A-C Receiver, a genuine Farrand Dynamic Power Cone Speaker, and Electric noiseless induction type phonograph motor and turntable along with a specially designed tone-arm and electric pick-up. An off-and-on switch is provided permitting instant switching from radio to phonograph or vice-versa. Efficient volume controls are supplied on both the radio receiver and phonograph permitting perfect volume control. Accessories include 5 type X226 A-C tubes, 1 type Y227 detector tube, 2 type X171 power tubes and 1 type X280 rectifier tube along with sufficient aerial and ground equipment to take care of the most difficult installations.

NOTHING ELSE TO BUY

Everything necessary for the Berwyn combination is included. Nothing has been omitted. It comes to you complete with all accessories and equipment, ready to plug into the electric light socket and operate. Highly recommended as an unusual value. Shpg. wt. 160 lbs.

No. 9944. Retail list. \$350.00. YOUR PRICE.....

\$144⁵⁰



Electric Phonograph and Radio

CONSONA

Excello Model

RADIO • PHONOGRAPH

The Ideal Combination

THE ideal combination in radio and phonograph equipment housed in one of the season's most beautiful consoles. It comes to you completely equipped with a famous Knight 8/9 A-C Receiver, all phonograph equipment and a genuine Farrand Dynamic Cone Speaker. The finest of everything. It re-creates your talking machine records electrically with a tone quality and volume comparable with the highest priced electrical instruments. Its radio receiver offers you the utmost in radio efficiency. Operates on 110-volt, 50-60-cycle A-C current.

Electric Phonograph and Radio Set

In the Consona everything necessary is included for its operation. A quiet induction Electric Motor drives the turntable while a specially designed tone-arm and high grade electric pick-up carries the electrical impulses from the record to the audio amplifying system of the receiver. A convenient switch alongside of the turntable enables you to switch from phonograph to radio instantly. No other changes in the set are necessary.

The Walnut Console

The console is constructed of select matched Butt Walnut veneers. Its top door closing off the phonograph turntable is of the balanced type and can be raised to any desired angle without the use of catches, etc. The receiver compartment is in the form of a sliding drawer permitting ready access to the receiver when desired. The console stands 50 in. high 28 in. wide and 19 in. deep. Its unique design and beautiful finish makes it a gem of the cabinet maker's art.

Dynamic

The use of a Farrand Dynamic Cone Speaker in combination with the push-pull audio system of the Knight 8/9 Circuit assures the finest tone quality with ample volume. This same wonderful tone quality is yours in radio reception as well as in phonograph reproduction.



Ample Record Space

In the Consona Model sufficient space is provided to accommodate four large size record albums, two on each side of the speaker.

THE KNIGHT 8/9 A-C CIRCUIT

The famous Knight 8/9 A-C Circuit provides real A-C Operation drawing all necessary power direct from the electric light socket. The circuit consists of one stage untuned radio frequency amplification, two stages tuned radio frequency amplification, one tuned radio frequency detector stage, two stages transformer coupled audio and one stage bass reproducing push-pull power amplification. Its unusual design and shielded construction provides remarkable sensitivity and selectivity with power to spare. Its illuminated drum provides perfect control and simplifies tuning.

Real Volume

The use of power tubes in the Knight 8/9 push-pull audio system provides a tremendous reserve of volume. The remarkable volume carrying capacity of the Farrand Dynamic Power Cone Speaker makes this tremendous volume available without a trace of distortion.

A-C OPERATED—REAL CONVENIENCE

Employing the new A-C Tubes the Consona Model offers you the utmost convenience in real A-C Operation. Just plug it into the electric light socket and it is ready to go. No batteries, no eliminators, no chargers. It offers you the dependability of your electric light power. Equipped with Electric Motor and Turntable. An efficient electrical phonograph pick-up is included. A new type volume control provides exceptionally fine adjustment on volume when using the phonograph arrangement. In the reproduction of the electrically recorded phonograph records it offers you a tone quality and volume that is comparable in every way to the highest priced instruments.

COMPLETELY EQUIPPED—READY TO OPERATE

Equipment consists of genuine Electric Motor of the induction type, complete with turntable. A tone-arm of unusual design is furnished fitted with exceptionally high grade electric pick-up. A genuine Knight 8/9 A-C Receiver is built-in along with a genuine Farrand Dynamic Power Cone Speaker as fully described on Page 137. Accessories include 5 type X226 A-C Tubes, 1 type Y227 A-C Detector Tube, 2 type X171 Power Tubes, 1 type X280 Rectifier Tube along with all aerial and ground equipment. A complete description of the radio chassis will be found on Page 12. Wt., 180 lbs. No. 9950. Retail list, \$400.00. YOUR PRICE.....

\$179⁰⁰

DYNAMIC POWER SPEAKER

KNIGHT "55" PORTABLE

SCREEN GRID EFFICIENCY



total of five tubes—yet provides an efficiency comparable to larger sets using six or seven tubes.

Remarkable Tone and Volume

You will be agreeably surprised at the remarkable volume of the Knight "55" Portable. It is equipped with an extra long Air Column Type Tone Chamber, fitted with a well known high grade speaker unit—assuring strong, clear, full, rich tonal qualities with ample volume. The two window dials set into a beautiful golden brown panel providing unusual attractiveness in appearance. The circuit employs a total of five tubes. The aerial is constructed in the cover, hidden by an attractively finished walnut frame. No need to detach it for operation.

Light Weight—Real Portability

The dome top case with rounded corners is individual in design. Rugged in construction, it is built to withstand hard usage. Covered with durable shark grain leather-like material, it matches the finest luggage and harmonizes with any furniture. Completely equipped it weighs only 26 pounds. It is exceptionally well balanced and with its full grip handle it is as easy to carry as an overnight bag. The Knight "55" Portable provides a charming companion for camping, motoring—boating and travel—as easy to take along as your luggage. Its operation requires the following accessories: One shield-grid tube; 4 Type X199 tubes; 2 45-volt (Burgess 5308 or equivalent) "B" Batteries; 3 dry cell "A" Batteries and 1 "C" Battery.

Set Without Accessories

Here you are offered the remarkable Knight "55" Portable without accessories. It offers you the utmost in a compact, highly efficient portable receiver, that is entirely self-contained. Its attractive appearance—its Perfected five-tube circuit—its remarkable tone and volume stamps it out as an unusual value at the exceptionally low price quoted. Shipping weight, 35 lbs.

No. 9355. Retail list. \$70.00.
YOUR PRICE.....

\$34⁵⁰

Complete—Ready to Operate

Completely equipped—ready to operate. The Knight "55" Portable is bound to please the most critical. Equipment includes one screen-grid tube, type 222, four type X199 tubes, two 45-volt "B" Batteries one "C" Battery, and three Dry Cell "A" Batteries. Everything necessary for its operation is included. Just set it up and start tuning. Shipping weight, 45 lbs.

No. 9356. Retail list. \$93.00.
YOUR PRICE.....

\$46¹⁵



RADIO-PHONOGRAPH CONSOLE

GENUINE WALNUT IN UNUSUAL DESIGN

FOR YOUR RADIO-PHONOGRAPH COMBINATION

AN unusual console designed especially for the new electric Radio-Phonograph Combinations. Its set compartment measuring 14 in. deep, by 9 1/2 in. high, by 28 in. long will accommodate receivers as large as the Radiola 18. A double grill arrangement at the top closes off both the speaker and phonograph equipment. The phonograph motor, turntable, pick-up and tone-arm are mounted on a sliding drawer making them readily accessible for operation. Speaker compartment measures 15 in. deep, 10 1/2 in. high, by 11 1/2 in. wide. Console stands 52 in. high, 32 1/2 in. wide by 18 1/2 in. deep. The attractive apron at the lower front is in the form of a drop door opening to a spacious record storing compartment.

Electrically Equipped

When so ordered this beautiful console comes equipped with an electric motor of the noiseless induction type, complete with turntable, high grade electrical pick-up with tone arm and volume control. Adapters for both four and five prong tubes are included. For 110-volt, 50-60-cycle A-C current.

Genuine Walnut Burls

The console is of select genuine walnut, picked for the beauty of its grain. The doors are faced with fancy matched butt walnut attractively overlaid with maple. Heavy shaped legs with ornamental stretchers. Beautiful hand-rubbed piano finish. The beauty of the genuine burls and the attractive way they are butt matched, imparts to this console unusual richness and dignity. Its graceful, yet conservative lines adapt it for use in any setting.

Console Only

This remarkable combination console is here offered as console only without phonograph equipment. The custom set builder and dealer catering to the better trade will find a ready market for this console. Shpg. wt., 110 lbs.

No. 9208.
Retail list, \$135.00.
YOUR PRICE.....

\$65⁸⁶

Console Equipped

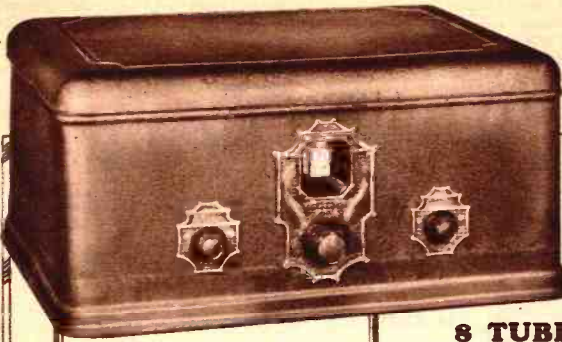
Equipped with all phonograph fittings it comes to you complete with electric motor and turntable, a high grade tone-arm and electrical pick-up with volume control. No set included. Genuine Farrand Magnetic Type Cone Speaker built-in. A real value. Shipping weight, 135 lbs.

No. 9209.
Retail list, \$250.00.
YOUR PRICE.....

\$129⁵⁰



The Deauville 8 Knight Battery Operated



SET ONLY

Here the Deauville 8 Receiver for battery operation is offered without accessories. Its unusual efficiency, remarkable distance range and wonderful tone quality assures for it unusual popularity. Shpg. wt., 35 lbs.
No. 9900. Bronze.
No. 9903. Chinese red.
No. 9906. Chinese green.
Retail list, \$75.00. **YOUR PRICE**

\$34⁵⁰

WITH ALL ACCESSORIES

Equipment includes one six-volt storage "A" battery, 3 45-volt "B" batteries, 2 "C" batteries along with five type XZ01A tubes, 1 type XZ00A and 2 type 112A power tubes along with all necessary aerial and ground equipment. Speaker not included. Shipping weight, 120 lbs.

No. 9901. Bronze.
No. 9904. Red.
No. 9907. Green.
Retail list, \$120.00.
YOUR PRICE.....

\$55⁰⁵

8 TUBES FOR POWER-TONE

THE remarkable efficiency of the Deauville 8 is establishing a new standard for radio. Its performance is astounding. Two stages of tuned radio frequency amplification, one tuned radio frequency detector stage and one untuned radio frequency stage all perfectly peaked and balanced, provides a sensitiveness that brings in the most distant stations just as though they were locals. The beautiful metal cabinet is furnished in a variety of colors.

BEAUTIFUL METAL CABINETS

Housed in big handsome cabinets of all metal construction, they are available in a beautiful brown bronze finish that blends well with walnut furniture, or in an attractive Chinese red or green lacquer finish. The cabinet measures 19 in. long by 14½ in. wide by 9¼ in. high.

SHIELDED-SENSITIVE-SELECTIVE

The Deauville 8 Circuit employing three stages of radio frequency, detector, two stages transformer coupled audio and one stage of push-pull audio takes from each tube its full power, resulting in extreme sensitiveness and razor like selectivity, remarkable tone quality and unusual volume. A more complete description of this remarkable chassis will be found below.

COMPLETE WITH TEMPLE DRUM SPEAKER

Offered with all accessories and Temple Drum Speaker. Includes five type XZ01A tubes, one 200A, two type X112A tubes and all batteries and aerial kit. Wt., 135 lbs.

No. 9902. Chinese Red.
No. 9905. Chinese Green.
No. 9908. Bronze.
Retail list, \$149.00.
YOUR PRICE.....

\$68²⁸



BEAUTIFUL COLORED METAL CABINETS CHINESE RED • GREEN • IVORY • BRONZE

A MARVEL OF EFFICIENCY

THE Knight 8 D-C Chassis stands out today as one of the foremost radio developments of the season—the crowning achievement of some of radio's most prominent engineers. It has been tested under adverse conditions and its performance has won for it instant recognition as one of the season's greatest radio developments.

PUSH-PULL POWER AUDIO

The Knight 8 D-C Circuit is a perfected circuit. Back of it is the experience gained in many years of radio research. Employing 8 tubes in three stages of radio frequency, detector and two transformer coupled audio stages plus push-pull amplification using two power tubes. Each tube does its full share of work and makes Knight the Receiver without a peer.

SINGLE ILLUMINATED DRUM CONTROL

Perfect engineering. Rugged mechanical design. Single tuning control. One knob symmetrically located at the center of the panel turns the die-cast drum. A miniature lamp illuminates the translucent scale from behind. Smooth, positive operation. Vernier reduction for perfect tuning. Highest quality construction. The sub-chassis is of heavy gauge metal, cadmium plated. The triple gang condenser is of the new cast frame type permitting perfect phasing.

SELECT YOUR OWN CONSOLE

The Knight 8 D-C Chassis comes equipped with a velvety green metal panel embellished with gold bronze Chinese design escutcheon plates. The chassis measures 18 in. by 8 in. by 9 in., and is adaptable for use with practically all of the consoles listed in this catalog.



CHASSIS ONLY AS ILLUSTRATED

This remarkable Knight 8 D-C Chassis offers the live dealer unusual profit making possibilities. Its performance is comparable to only the finest D-C Receivers. Its beautiful illuminated drum control coupled with its efficient construction stamps it out as an unusual value at the low price quoted. Shpg. wt. 40 lbs.

No. 9855.
Retail list, \$70.00
YOUR PRICE.....

\$30⁵⁰

THE GLADIATOR

SHIELDED Battery Operated

THE RADIO DELUXE

HERE is the outstanding model of the famous Knight 8 D-C Receivers. It combines a beautiful genuine walnut console with the highly efficient Knight 8 Circuit—and with it a genuine Farrand Magnetic Type Cone Speaker, noted for its wonderful tone and volume. Everything entering into its construction is of the finest. It is a leader in both beauty and performance, and is recommended to those who want the best at any price.

Powerful—Sensitive

One of the greatest achievements in the Knight 8 D-C Circuit is non-critical sensitivity that brings in distant stations with unusual ease. It is the ideal circuit for both city and country use. It is designed for the discriminating radio enthusiast who wants the ultimate in power and range combined with unusual sensitivity and selectivity.

Single Drum Control

The famous Knight 8 Gladiator Circuit employs 8 tubes in three stages of tuned radio frequency, detector, and two transformer coupled audio stages, plus push-pull amplification using two power tubes, three stages RF assures wonderful distance range while push-pull audio assures the finest in tone quality. Only one single tuning control. Smooth operating illuminated drum with beautifully designed bronze escutcheon plate.

Genuine Farrand Speakers Built-In

Farrand Speakers because of their beautiful soft, mellow tone quality and ample volume carrying capacity are used as standard equipment in the Gladiator Receiver. With beauty of tone so outstanding that words alone can not describe it, power has not been neglected. The push-pull audio amplification system builds up volume on distant stations with remarkable efficiency. Its soft, mellow tone quality proves the delight of all who hear it.

PUSH-PULL AUDIO

The use of power amplification tubes in the push-pull amplification system of the Knight Circuit assures tremendous volume without distortion. It provides a soft, mellow tone quality that can only be likened to the original rendition. Its tone quality and volume invites comparison with the highest priced sets.

BEAUTIFUL WALNUT CONSOLE

The beautiful genuine walnut Gladiator Console stands 40½ in. high by 25¼ in. wide by 14¾ in. deep. Its beautiful finish in two-tone walnut presents an unusually rich appearance. Its design and proportions is the work of skilled furniture designers. The attractively shaped panel cut out balances perfectly with the beautifully designed speaker grill. The two dark tone walnut panel over-lays along the sides add to its dignified appearance. The beautifully turned legs and ornamental cross stretcher provide unusual rigidity.

SELECTIVITY

Perfectly engineered and constructed of only the finest parts, the Knight 8 D-C Circuit is unusually selective. It cuts right through the locals and brings in the distant stations with remarkable ease and fidelity. Overlapping of stations and interference is practically eliminated. Its shielded construction assures sharpness in tuning.

Set Only As Illustrated

Here the Gladiator Knight 8 D-C Receiver is offered without accessories. It consists of the famous Knight 8 Chassis housed in a beautiful genuine walnut console of striking design and appearance. Equipped with a genuine Farrand Magnetic Type Cone Speaker that has earned for itself an enviable reputation for tone quality and volume. It offers the ideal combination for real radio satisfaction. Its low price should not be confused with its quality. It offers you the utmost in an efficiently designed, beautifully housed 8 tube D-C Receiver. Shipping weight, 125 lbs

No. 9909.

Retail list, \$120.00.

YOUR PRICE.....

\$56⁵⁰

COMPLETE—READY TO OPERATE WITH ALL ACCESSORIES

Here the Gladiator Receiver is offered complete with all accessories ready to set up and operate. Equipment includes five type X201A Tubes, one type X200A, two type X112A Power Tubes, one 6-volt Storage "A" Battery, 3 45-volt "B" Batteries, 2 "C" Batteries, along with all necessary aerial and ground equipment. Has genuine Farrand Magnetic Cone Speaker built in. An exceptional value at the low price quoted. Shipping weight, 210 lbs.

No. 9910. Retail list,

\$160.00.

YOUR

PRICE.....

\$76⁹⁵

Push-Pull Amplification Power Speaker

Battery Operated SHIELDED SIX TUBE Gothic Model

WONDERFUL TONE QUALITY

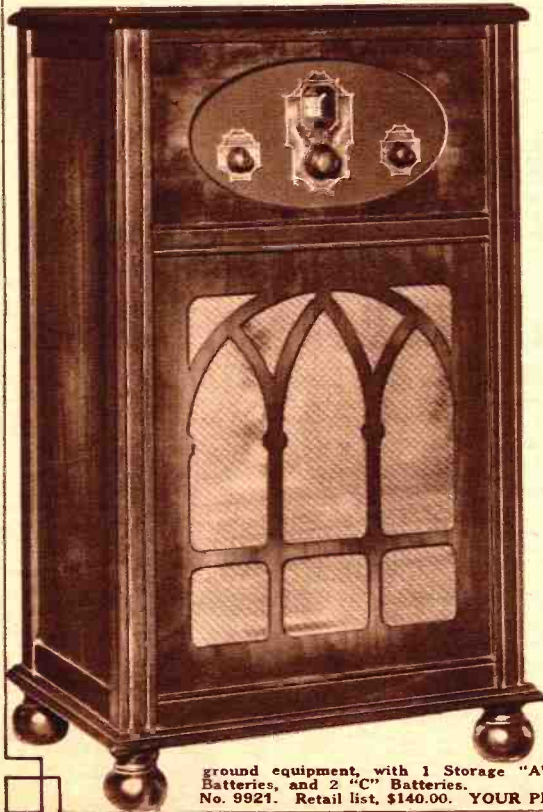
IN the design of the Gothic Model Knight Shielded Six-Tube D-C Receiver tone quality was considered of utmost importance. How well the Allied Engineers have accomplished this is amply attested in the soft mellow tone quality and tremendous volume that the Gothic Model offers you. The combined power of six tubes—each tube doing its full share of work, producing unusual power and sensitivity—plus hair-splitting selectivity. Shielded construction provides razor-like selectivity.

POWER TUBE AUDIO AMPLIFICATION

The use of power tube equipment in the audio circuit of the Gothic Model assures unusual volume without distortion. The elimination of distortion results in a soft mellow tone quality that is comparable in every way with the highest priced receivers. It offers you the same wonderful tone quality on distant stations as well as on locals.

ILLUMINATED DRUM CONTROL

The attractive velvety green finish panel is further enhanced by the attractive Gold Bronze escutcheon plates in Chinese design. The single control illuminated drum provides positive action with a total absence of backlash or slipping. The drum is vernier type having three to one ratio. The translucent drum scale is illuminated from behind with miniature Mazda lamp.



ground equipment, with 1 Storage "A" Batteries, and 2 "C" Batteries.
No. 9921. Retail list, \$140.00. YOUR PRICE.....

THE GOTHIC CONSOLE

The beautiful Gothic Console presents a massive dignified appearance. Its exquisite design and substantial construction is the work of one of the country's finest cabinet manufacturers, having a reputation of years standing for the production of quality radio furniture. Only the finest carefully selected walnut ply-wood is used in its construction. Its beautiful hand-rubbed lacquer finish retains all the natural beauty of the grain of this select wood. The console stands 39½ in. high, by 22½ in. wide, by 16 in. deep.

YOUR BETTER TRADE

The unusual popularity of the Ortho-Type Console assures a tremendous response on the part of the radio buying public for this model. Equipped with genuine Farrand Magnetic Cone Speaker it offers an ideal combination for quality reception.

THE KNIGHT 6 D-C CIRCUIT

The famous Knight 6 D-C Circuit with which the Gothic Model is equipped consists of one stage untuned and two stages of tuned radio frequency amplification. The Detector stage is of the tuned radio frequency type, producing unusual sensitivity. The audio amplifying system consists of two stages transformer coupled audio employing a power tube in the last or output stage.

VELVETY GREEN METAL PANEL

In the construction of the Gothic Model nothing has been overlooked that would add to its efficiency or attractiveness. From the beautiful velvety green panel with its Gold Bronze Chinese design escutcheon plates to the unique design of its Gothic style grill and the remarkable hand-rubbed finish of the console it stands forth as one of radio's greatest values.

POWER PLUS

SELECTIVITY — SENSITIVITY

The use of only the finest parts in the construction of the Knight 6 D-C Circuit assures utmost efficiency. The radio frequency coils are carefully tested and perfectly matched for each receiver. The substantial triple gang condenser with its heavy bathtub type die cast frame is perfectly balanced, enabling the receiver to operate at peak efficiency from the highest to the lowest wavelengths in the broadcast band. Efficient shielding reduces to a minimum all stray pick-up, and inter-stage coupling providing unusual selectivity and punch. Such careful construction and design imparts to the Gothic Model a distance range and punch seldom found in six tube receivers.

SET ONLY WITH FARRAND CONE

Equipped with a genuine Farrand Magnetic Cone Speaker the Gothic Model offers you the ideal combination of tone, volume, selectivity, sensitivity and power, in fact, everything you look for in the finest receivers. Its low price assures for it tremendous popularity. Shpg. wt., 120 lbs.

No. 9920.
Retail list, \$110.00.
YOUR PRICE.....

\$ 49⁵⁰

COMPLETE WITH ACCESSORIES READY TO OPERATE

Here the famous Gothic Model is offered with all necessary accessories for its operation. Nothing has been overlooked. It comes to you complete ready to set up and operate. Equipment includes 4 type 201-A Tubes, 1 type 200-A Detector Tube, 1 type X12 Power Tube along with all necessary aerial and

\$ 65⁹⁵

Shielded Knight Battery Operated Wellington



SINGLE ILLUMINATED DRUM CONTROL

THE insistent demand on the part of the radio buying public for an efficiently designed six-tube one dial D-C Receiver finds its answer in the new Knight Wellington Six. Engineered to a perfection seldom found in receivers of this type. Its efficient design takes from each tube its full power, resulting in unusual sensitivity and selectivity. Everything entering into the construction of the Wellington Six is the finest, and all parts are carefully matched. The triple gang condenser is mounted in an aluminum die cast frame of the new bath-tub type. Its wide spaced plates and ample size bearings assure perfect alignment and balancing without variations due to external stresses. The sockets are of the double spring type assuring perfect contact. The circuit is housed in beautiful designed metal cabinet of various colors.

POWERFUL

The careful matching of parts used in the construction of the Wellington Six assures peak efficiency. The circuit is accurately balanced providing maximum power from the lowest to the highest wavelengths. Its attractive illuminated one-dial control brings in the distant stations like locals.

SET ONLY AS ILLUSTRATED

The famous Wellington Six D-C Receiver is here offered without accessories. It offers you an unusual value in a remarkable, efficient, high grade six-tube D-C Receiver. In constructional details and electrical characteristics, it stands out as one of the season's finest D-C Receivers. Shipping weight, 35 lbs. No. 9881. Brown bronze. No. 9914. Chinese red. No. 9913. Chinese green. Retail list, \$60.00. YOUR PRICE.....

\$25⁸⁵

THE KNIGHT D-C CIRCUIT

The Knight D-C Circuit is establishing a new standard for radio. Its remarkable six tube efficiency is comparable in every way to the finest receivers. The circuit employs one stage untuned radio frequency amplification, two stages of tuned radio frequency amplification, one tuned radio frequency detector stage and two stages of transformer coupled audio amplification.

SELECTIVE

Perfect balancing in the Wellington Six Receiver along with efficient shielding provides unusual selectivity. Overlapping and interference from nearby stations is practically eliminated. It is non-critical, providing extreme ease in tuning. The beautifully metal cabinets completely shield the receiver.

SET WITH ALL ACCESSORIES

Here the Shielded Knight Wellington Six is offered complete with all accessories, except speaker. Equipment includes 4 type X201A tubes, 1 type X200A tube, 1 type X112A power tube, 1 6-volt storage "A" battery, 3 45-volt "B" batteries, 2 "C" batteries, and aerial and ground equipment. Shipping weight, 110 lbs. No. 9882. Brown bronze. No. 9912. Chinese red. No. 9914. Chinese green. Retail list, \$90.00. YOUR PRICE.....

\$42³⁰

THE FAMOUS WELLINGTON 6 CHASSIS

A PERFECTED D-C CIRCUIT

FOR BATTERY OPERATION

THE use of only the finest parts in the construction of the Knight Six D-C Chassis along with perfect engineering assures tremendous efficiency. The triple gang condenser is housed in a heavy die cast aluminum frame, assuring a perfect alignment of the condenser plates. The sub-chassis is die formed in one piece of 16-gauge metal heavily cadmium plated. The condenser space wound of enameled wire on special Bakelite tubing of uniform size permitting accurate matching.

PERFECT BALANCING FOR RF POWER

The perfect matching and balancing of all parts in the Knight Circuit produces tremendous radio frequency amplification resulting in unusual sensitivity and distance range. It is cable wired, eliminating all loose hanging wires. Its splendid illuminated drum provides perfect control and simplifies tuning. Smooth, positive operation without backlash.

SENSITIVE

Perfecting matching of the RF coils used in Knight-Six Chassis and the use of efficient shielding assures unusual sensitivity. Its remarkable distance range makes it the ideal receiver for use where economical operation is desired.

CHASSIS ONLY

The famous Knight-Six Chassis is here offered without tubes or accessories. It comes equipped with a beautiful velvety green metal panel with beautiful Chinese designed escutcheon plates. The panel measures 8 in. by 18 in., while the chassis itself measures 9 in. deep. It is adaptable for use with any of the consoles listed in this catalog. Shipping weight, 25 lbs. No. 9886. Retail list, \$50.00. YOUR PRICE.....

Symmetrical Panel

Skyscraper construction. Built to last a lifetime. The distinctive embossed bronze escutcheon plate with illuminated drum control is at the exact center of the panel with the small volume control and switch knobs at each side.

\$22⁵⁰



To help you Sell

Knights RADIO SETS FOR A-C & D-C OPERATION



FULL CO-OPERATION

ALLIED DEALERS AND AGENTS throughout the country are assured of real cooperation in the Sale of Knight Receivers. Our Dealer Cooperation Department is maintained and placed at the disposal of our customers to help them solve their sales and advertising problems. Sales literature, newspaper advertisement, pamphlets, etc., are available for distribution to your prospects.

NEWSPAPER ADVERTISING HELPS

For advertising in your local newspaper, we have prepared a series of attractive advertisements, so arranged that your own name appears on them as the local dealer. These advertisements are available in either Electrotone or Matrix form. Newspaper advertising will develop many new prospects for you, which you should experience no trouble in selling. Attractive literature imprinted with your name and showing only the list prices of the receivers and accessories, provides you with real ammunition in working your prospects. If you are unable to close the sale on your first call, you can leave this book with your prospect and it will continue to work for you while you are gone. The benefit of our vast selling experience is made available to you through Our Sales, Promotion Department, and we want all our dealers to bring before us their own selling problems so that we may work with them in promoting the sale of these famous Knight Receivers.

WE SHOW YOU THE WAY TO PROFIT

There is real profit in the sale of Knight Receivers. They are exceptionally low priced, and extremely efficient—practically assuring a sale on every demonstration. We want Allied Dealers to profit in the sale of Knight Receivers. To this end a complete portfolio of sales helps has been prepared. It contains a series of sales producing follow-up letters and the various selling methods that past experience has proven most effective. With its aid you should be able to develop an enormous sales volume in Knight Receivers. Every Allied Dealer should make use of this service. It points out the way to increased profits.

Complete Knight Catalog With Retail Prices

This catalog contains the complete Knight line of Radio Receivers with list prices enabling you to show it to your customers, and to leave it with them if necessary. It also shows the leading numbers in popular tonettes as well as a complete assortment of accessories. Boom is provided for imprinting your own name and address making it appear as your own catalog.

Show Your Prospects

This retail price catalog enables you to sit down with a prospect, and check over point for point the superior features of different models in the Knight line. Your prospect does not know when looking at this catalog just what your profit is. It enables you to sell Knight Receivers at their regular list price and opens before you the door to real opportunity in radio selling.

Get Busy NOW!

Now is the time to start. The tremendous demand for Knight Receivers in both the A-C and D-C Types is all around you. Plan now on your advertising. We will be glad to help you. You will be surprised at the number of prospects you develop and how easily they are sold on these famous Knight Receivers.

PORTFOLIO OF SALES HELPS

A complete portfolio showing the various newspaper advertisements, pamphlets and selling helps available is offered free to Knight Dealers. It shows you how to conduct your selling campaign for maximum results and real profit. You are urged to send for your copy immediately and get started with this profit-producing line of Receivers.

LETTERHEADS—ENVELOPES—CALLING CARDS

Everything that you require for starting out as a dealer with Knight Receiver Sets is available. Catalogs showing the complete line as well as attractively designed two-color letterheads, envelopes and business cards have been prepared, ready for the imprint of your name. They are offered to you at actual cost. Buying in large quantities as we do, we secure lowest prices and these low prices are offered to you to help you in the sale of Knight Receivers. When ordering letterheads, envelopes or business cards be sure to give us explicit instructions on how you want them printed. Write plainly, giving full name and address.

LETTERHEADS IN TWO-COLORS

Attractively designed 8 1/2 in. by 11 in. bond letterheads printed in two colors with complete name and address at actual cost. A necessary item for all correspondents and sales letters.

Per 200 **\$2.50**

ENVELOPES

Envelopes to match the two-color letterheads attractively made up of bond paper and printed in two colors are offered at actual cost. Imprinted with name and address.

Per 200 **\$2.50**

BUSINESS CARDS

Attractively business cards beautifully printed in two colors featuring the Knight Receiver and carrying your name and address. They should be left with every prospect as they reflect your business efficiency.

Price to you per pkg. of 250 **\$2.50**

LIVE DEALERS CAN GET A KNIGHT FRANCHISE

Live Dealers who get behind the sale of Knight Receivers will be supplied with a beautiful Lithographed Franchise of Dealership. Our only requirement in issuing this Franchise is that you exercise due care and precaution in the installation of Knight Receivers with customers. You should buy at least one Knight Receiver for use as a demonstrator to familiarize yourself with its unusual efficiency. It does not matter which model you buy, as any model will serve for a demonstrator while our retail price catalog enables you to show your prospects what the other models look like.

WRITE FOR TERRITORY—NOW!

When ordering your sample demonstrator be sure to tell us what territory you wish to cover—also if possible, advise us the number of receivers you believe you can sell. Every co-operation will be accorded you in promoting the sale of Knight Receivers. Our Sales Promotion Department will work with you in preparing your campaign so that you may build up volume sales at a good profit. The rigid construction and unusual efficiency of Knight Receivers assures many satisfied customers, and the sale of one receiver nearly always results in many additional sales. You are urged to write now—to get started now—to make 1929 your biggest year with Knight Receivers.



A MILLIONAIRES VALUE AT A MODERATE PRICE!

Professional Set Builders

DIVISION of LATEST KITS and PARTS

THE following pages contain a detailed description of all new 1929 circuits shown in the latest radio mediums. These are the nationally advertised and tested kits of the latest types. We include here Silver-Marshall, Tyrman, Aero, National, Browning Drake, Scott, Remler, Bremer-Tully, Radio Frequency, Neutrodyne, Victgreen, Hammarlund and other nationally known kits.

Only the very best selection of these kits are offered you here and we believe that the claims made are conservative as they are all claims made

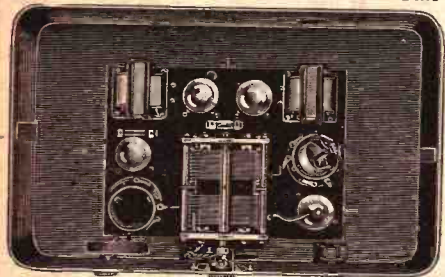
by the manufacturer of each individual kit.

It is a simple matter to construct any of these kits, to build them and to sell them. Each kit whether factory sealed or assembled by us has a special diagram, layout or blueprint that anyone should easily be able to read and understand.

Our laboratories and service department are always at your disposal. We will assist anyone who has difficulty in properly constructing a kit, making all necessary corrections and rewiring at a nominal charge.

AERO

A four tube receiver especially designed for maximum gain of the R.F. regenerative circuit. Special coil kits allow the use of shielded grid tubes or 201A tubes. This is a



List Price on all, including Cabinet, \$58.00.

METROPOLITAN SHIELDED GRID RECEIVER

novel and extremely efficient receiver using both the radio frequently and regenerative angles. Selective, good volume, fine tone quality. Built in small cabinet illustrated. Gives better than six tube "kick."

This price includes metal cabinet handsomely designed and finely finished including escutcheon plate and illuminated drum. Wt., 20 lbs.

No. 8758. Aero Complete Kit No. 26 for Shield Grid Tubes.

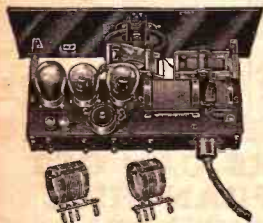
No. 8759. Aero Complete Kit No. 27 for A.C. Tubes.

No. 8760. Aero Complete Kit No. 28 for D.C. Tubes.



\$34¹⁰ NET for any Kit

Aero Short Wave Kit



The Aero standard three tube short wave receiver for either A.C. or D.C. tubes utilizes a regenerative circuit which has been proven by years of excellent results in the hands of amateur operators. The same special audio amplifier is supplied as is used in

the Aero 7-29 and other Aero high grade kits so that excellent tone quality may be assured when receiving distant stations. Kit is complete with nothing else to purchase.

Can be adapted to cover range of from 15 to 125 to 550 meters with Aero coils 4 and 5 which are interchangeable.

European broadcasting heard on test. Comes complete in factory sealed kit without cabinet but with panel, sub panel and illuminated dial. Wt., 16 lbs.

No. 8761. Aero Kit No. 10 for A.C. Tubes.

No. 8762. Aero Kit No. 11 for D.C. Tubes.

List on each \$49.95

Your Price

\$29³⁷

Aero Short Wave Converter

The Aero Standard Short Wave Converter for A.C. or D.C. receivers can be assembled in a few minutes and can be plugged into the detector or first R.F. socket of any receiver utilizing the same tube which has been removed from the socket in which the converter is plugged.

This will convert any radio receiver into a short wave set making capable distance reception on short wave bands, and also making it possible to hear American stations also broadcasting on wave kits will be used.

Sold without cabinet, but with engraved panel and escutcheon plate. Nothing else to buy. Wt., 16 lbs.



No. 8763. Aero Kit No. 14 for A.C. Tubes.

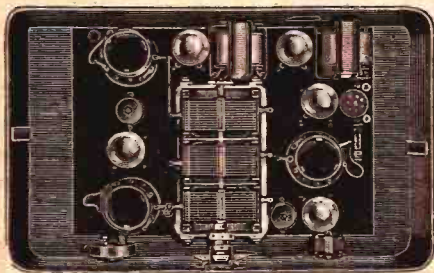
No. 8764. Aero Kit No. 12 for D.C. Tubes.

List on either kit \$32.00
Your Price **\$18⁸²**



AERO Chronophase

Shield Grid Five — A. C. or D. C.



No. 8765. Aero Kit No. 20. Complete, for shield grid tubes.

No. 8766. Aero Kit No. 21. For A.C. tube operation.

No. 8767. Aero Kit No. 22. Complete, for D.C. tubes.

If you do not desire the cabinets for these sets but want to build this in a console, a drilled and engraved panel will be included instead of the cabinet and you may deduct \$4.50 from any of the above prices, specifying without cabinet but with drilled and engraved panel. Add a "P" after our stock number if you desire this.

THE Chronophase is a new development of Aero. It is a five-tube receiver using "Chronophase" radio frequency amplifier with two shield grid R.F. tubes and new Aero audio amplifier with 171 power tubes. There are three models—either the Shield Grid or A.C. model or D.C. model.

The Chronophase Principle

The phase angle relation between the voltages and the primary and secondary windings of a radio frequency transformer has been developed in the Chronophase. It makes possible the regulation of the amount of energy and it also makes possible an increase in the amount of transferred energy, giving greater amplification, greater selectivity and longer range. Greater possibilities with the shield grid tube. These kits are specified in all the latest radio magazines. All kits are fully factory packed with every part necessary including cabinet. All foundation units include a cabinet. All cabinets are of handsome proportions with special Aero escutcheon plate, illuminated dial. Size 8 1/2 x 12 in. A.C. kit uses four 227 tubes. Wt., 55 lbs. each.

List \$74.50 Each Kit
YOUR PRICE \$ **43⁸⁰**
ANY KIT

AERO International Short Wave

Complete Kit of Parts

THE Aero International Short Wave Broadcast Receiver employs one stage of aperiodic shield grid amplification. It has only one tuning control. Non-radiating. The kit includes everything necessary to assemble the set without spending another cent.

The foundation unit does not include the cabinet but uses a 7x14 in. drilled Micarta front panel and uses the finest Aero parts plus the manufactured products of Amso, C.R.L., Carter, Eby, Aerovox, National, Vaxley, Westinghouse, Daven, and others nationally known. Complete with beautiful escutcheon plates, illuminated vernier dial, beautiful knobs and all wire and soldering lugs necessary.

The Stations You Never Received Before

On short wave receivers many foreign stations are tuned in. American stations today are broadcasting on short wave lengths in addition to their regular wave lengths. Short wave is the coming thing for better reception.



May Be Used for Television

Although Television is not yet a fact, nevertheless short wave kits and parts will be the ones used when Television comes in. For the Television experimenter this is the kit to buy.

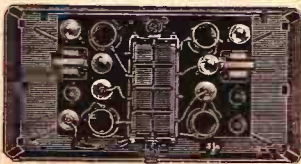
No. 8768. Aero International Short Wave Receiver. Aero Kit No. 8 complete without cabinet. Factory packed and sealed. Wt., 25 lbs. List, \$55.30. YOUR PRICE.....

\$32⁵²

Aero 7-29

Shielded Grid

THE 7-TUBE WONDER



A seven-tube Deluxe model using three stages of "Chronophase" R.F. amplification and one semi-aperiodic stage. Selective, sensitive, a distance getter and plenty of pep including the real tone quality with a 171 power tube.

A.C. models use type X227 and D.C. models use the 291A type. The Shielded Grid model uses four shielded grid tubes, two 201A tubes and one 171. Sold without cabinet but with 7x18 in. drilled and engraved panel. Wt., 25 lbs.

No. 8769. Aero Complete Kit No. 32-P for Shielded Grid Tubes.

No. 8770. Aero Complete Kit No. 33-P for A.C. Tubes.

No. 8771. Aero Complete Kit No. 34-P for D.C. Tubes.

All List at \$97.85. All Net at

\$51⁶⁵

Aero "Trio"

A. C. or D. C. OPERATION

The Aero "Trio" is a simple three circuit regenerative receiver of time proven ability. This is a three-tube kit especially recommended for use in sets one hundred miles or more distant from high powered broadcasting stations where the selectivity given by the "Chronophase" system is not required.

Long Distance Reception

Practically all of the long distance reception records have been made on receivers of this type. This kit includes a small cabinet, size 9x12x18 in. The D.C. model uses two 201A tubes and one 171 tube. The A.C. model uses two 227 tubes and one 171 tube. This kit is designed to "step out and bring them in."

No. 8772. Aero Kit No. 30, complete factory sealed, including cabinet. For use with A.C. tubes. Wt., 55 lbs.

No. 8773. Aero Kit No. 31, complete for use with D.C. tubes, including cabinet. Factory sealed. Wt., 55 lbs.

List \$42.00 Each. Your Price

\$24⁷⁰

No. 8774. Aero Kit No. 30P, complete with 7x18 drilled and engraved panel for use in consoles without cabinet for use with A.C. tubes. Wt., 35 lbs. List, \$38.00.

No. 8775. Aero Kit No. 31P, for use with D.C. tubes without table cabinet if desired for console use including 7x18 drilled and engraved panel. Wt. 35 lbs. List \$38.00 Each.

YOUR PRICE.....

\$22³⁴

AERO

International Converter

WITH the European broadcasting stations broadcasting on short waves and with the American stations gradually adding on short waves, it now becomes possible to hear numerous stations you have never heard before. Broadcast on short wave lengths has always proven very successful.

Used for D.C. receivers only. Uses one stage of radio frequency and utilizes the famous shielded grid 322 tube. Only one tuning control, one volume control and one volume rheostat. Size 7x10x16 in. Includes panel, beautiful escutcheon plate, illuminated drum and the very best materials obtainable. Broadcast range of thousands of miles.

For D. C. Receivers Only

No. 8776. Aero Kit No. 9. This is the Aero International Short Wave Converter Kit Sub Panel Model—the feature of the Aero line. Wt., 25 lbs. List Price, \$38.90. YOUR PRICE...

\$22.87



TRF COIL KITS

Chronophase Coils

Consists of four universal coils of autoformer type suitable for both antenna coupler and interstage R.F. transformers. May be used with shield grid circuits. Suitable for use with all tubes—A.C. or D.C. For use with .00035 condensers. Wt., 1 lb.
No. 2680. Type U 233. **\$8.82**
List. \$15.00. NET

Type 103

No. 2681. Consists of four twice matched units, one antenna inductance having variable primary and three matched R.F. coils. Tunes with .00035 condensers. Wt., 1 lb.
\$8.82
List. \$15.00. NET

Aero Matched Coils



Type U 243
Consists of two inductances designed for use with circuits employing one shield grid stage R.F. and regenerative detector. Tunes with .00035 condenser. Wt., 2 lbs.
No. 2682. List. \$8.00. **\$4.70** NET

Type U 200

No. 2683. Same kit as above except to tune with .0005 condenser. Wt., 2 lbs. List. \$9.00. NET **\$4.70**

Type U 273

No. 2684. Two matched coils for use with 199, 201A, 112 or 226 and 227 A.C. tubes. For circuits employing one stage of balanced TRF and regenerative detector. Tunes with .00035 condenser. Wt., 2 lbs. List. \$10.00. NET **\$5.88**

Type RB-5

No. 2685. Kit of coils especially designed for Heitz circuits and Radio Broadcast Lab. Receiver. Antenna coupler has center tapped secondary for Bire system of neutralization. Tunes with .00035 condenser. Wt., 2 lbs. List. \$8.00. NET **\$4.70**



Universal R.F. Coil and Wave Trap

Universal radio frequency transformer designed for use with all types of shield grid tubes. Tapped primary permits perfect coupling for best results. Adaptable for all radio frequency circuits or for wave trap construction. Type U 43 tunes with .00035 condenser. Wt., 8 oz.
No. 1114. Type U 43. **\$2.35**
List. \$4.00. NET

Type U 4

No. 1113. Same as U43 above except tunes with .0005 condenser. Wt., 8 oz.
List. \$4.00. NET **\$2.35**

AERO COIL

R. F. COIL KITS



Type U 203

No. 2686. Three matched R.F. coils. Adaptable to all shield grid and two stage R.F. circuits with both A.C. or D.C. tubes. Tunes with .00035 condensers. Wt., 2 lbs. List. \$12.00. NET **\$7.06**

Type U 133

No. 2687. Three matched universal coils for all TRF circuits using standard A.C. or D.C. tubes, but not shield grid. Maximum radio frequency efficiency is secured. Wt., 2 lbs. List. \$12.00. NET **\$7.06**

Type U 1203

No. 2688. Three matched R.F. inductances. The antenna coupler has variable primary for any degree of selectivity. Tunes with .00035 condensers. Wt., 2 lbs. List. \$12.00. NET **\$7.06**

UNIVERSAL COILS



Type U 943

Highly efficient low loss antenna coupler with variable primary. Tunes with .00035 condenser. Wt., 8 oz.
No. 1116. List. \$4.00. NET **\$2.35**

Type U 90

Antenna coupler, same as U 943 above, except tunes with .0005 condenser. Wt., 8 oz.
No. 1115. List. \$4.00. NET **\$2.35**

Type U 923

No. 2689. Special antenna coil with primary wound in the center and tapped secondary for Bire method of neutralization. Tunes with .00035 condenser. Wt., 8 oz. List. \$4.00. NET **\$2.35**

Type U 92

No. 2690. Shielded antenna coupler tapped for neutralization, same as 923 above, except tunes with .00005 condenser. Wt., 8 oz.
List. \$4.00. NET **\$2.35**

Universal Three Circuit Tuner

No. 1104. Latest low loss three circuit tuner with fixed tickler and adjustable primary for any degree of selectivity. Tunes with .00035. Wt., 1 lb. Type U 553. List. \$4.00. NET **\$2.35**

Aero Oscillator Coils

Type U 1033

No. 2691. Highly efficient oscillator coupler with a variable pick-up coil. Substitute this coil for the standard oscillator in most superheterodynes and the selectivity of the circuit can be increased. Tunes with .00035 condenser. Wt., 8 oz.
List. \$4.00. NET **\$2.35**

Type U 105

No. 2692. Oscillator with variable pick-up coil, same as U 1033 above, except tunes with .0005 condenser. Wt., 8 oz.
List. \$4.00. NET **\$2.35**

Short Wave Coils



No. 1108. Type LWT 125. Interchangeable plug in coils. 3 coils and base mounting with variable primary covering 15 to 130 meters when used with .00014 and .00025 condenser. Wt., 2 lbs. List. \$12.50. NET **\$7.35**

INTERNATIONAL SHORT WAVE



No. 2693. LWT 12. Kit of 3 interchangeable short wave coils with base and space wound primary. Range 16.5 to 89.5 meters. Wt., 2 lbs. List. \$12.50. NET **\$7.35**

No. 2694. LWT 11. Kit of 3 short wave coils and plug in base without primary for use after a shield grid tube. Range 19 to 89.5 meters. Wt., 2 lbs. List. \$11.50. NET **\$6.76**

No. 2695. LWT 10 Coil Kit. Short wave plug-in coils same as LWT 11 above, but without base. Wt., 2 lbs. List. \$10.50. NET **\$6.17**

New Aero R.F. Coils



No. 2696. Type U 53. Special autoformer type I.R.F. inductance for shield grid or standard tubes either as antenna coupler or interstage R.F. transformer. Tunes with .00035 condenser. Wt., 8 oz. List. \$4.00. NET **\$2.35**

No. 2697. Type U 63. Special I.P. coil for coupling inductance between R.F. stage and regenerative detector. Used with all standard, but not shield grid tubes. Wt., 8 oz. List. \$6.00. NET **\$3.53**

No. 2698. Type U 73. Special R.F. coil for coupling shield grid tube to regenerative detector. Tickler is variable. Tunes with .00035 condenser. Wt., 8 oz. List. \$4.00. NET **\$2.35**



Aero R.F. Chokes

No. 1106. Type C 60. Short wave receiving choke. Tuning range from 13 to 550 meters. Wt., 8 oz. List. \$1.50. NET **.88c**

No. 2699. Type C 65. Special low impedance short wave R.F. choke. Used in antenna circuit of International Four and similar receivers. Tuning range 18 to 600 meters. Wt., 6 oz. List. \$1.50. NET **.88c**

No. 2700. Type AA 17. For receivers using a periodic antenna coupling. Type AA 17 antenna when used with .00035 midgeet condenser will give double signal strength. Wt., 6 oz. List. \$1.75. NET **\$1.03**

No. 1100. Aluminum sub panel brackets for any set. Sturdy and substantial. Wt., 10 oz. List. 70c. NET **41c**

For additional Aero Short Wave Coils see Amateur's Section.

H F L ISOTONE

Screen Grid

A SUPREME radio achievement. Radio perfection is found in the new HFL Isotone. Here is an ideal combination of a sensitive, powerful screen grid radio receiver and an excellent phonograph amplifier.

Perfect Reproduction

Has extreme sensitivity and practically unlimited range. Three stage screen grid R.F. amplifier. Exquisite tone quality—employs five power tubes. Absolutely stable. Operates all dynamic loud speakers and has dual phonograph-radio volume control. Equipped with built in microphone transformer, can be used as public address system.

8 Kilocycle Selectivity

Extremely sensitive—will separate stations in the most crowded metropolitan area. Absolutely one spot operation. Complete inter-unit shielding.



Assembled in One Hour

Actually consists of only two essential units—the Isotone Screen Grid Amplifier and the Isotone Audio Amplifier, both of which are completely wired and arranged for sub panel mounting. The dials and tuning unit and few small pieces of apparatus are easily and quickly set up on the panel. Complete parts as specified by the manufacturers. Wt., 70 lbs.

Isotone Audio Amplifier

A three stage push pull high quality audio amplifier. Has built in microphone transformer. Will operate all dynamic speakers and allow perfect radio and phonograph reproduction. All instruments and wiring perfectly shielded. Arranged for sub panel mounting. Complete assembled and wired. Over-all dimensions, 11 1/2 in. long by 5 1/2 in. wide by 6 1/2 in. high. Wt., 25 lbs.

No. 8731. List. \$55.00. **\$32³⁴**
without tubes. YOUR PRICE.
Tubes needed: two UX 112A and two UX 171A tubes.

YOUR PRICE

\$114⁶⁶

No. 8780 List \$195.00

Isotone ABC Power Supply

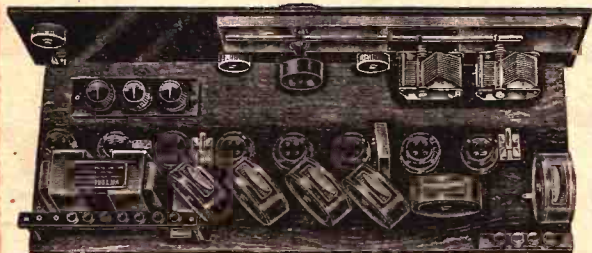
Especially designed for operating the Model 10 HFL Isotone receiver. Absolutely free of A.C. hum, voltage surges and microheating. Supplies A voltage, 6 volts at 2 1/2 amperes—plate voltage 45, 135 and 180. C biasing voltages of 40 volts and variable 0 to 15. Size, 13 in. long, 11 in. wide, 8 in. high. Wt., 25 lbs.

No. 8782. List. \$95.00.
without tube. YOUR PRICE.

Requires one UX 230 tube.

\$55⁸⁶

VICTOREEN UNIVERSAL 8



LATEST improved Victoreen Universal Superheterodyne. Single control. New power audio amplifier. The new Victoreen Single Control Universal represents the culmination of years of research and the conscientious manufacture of precision apparatus.

Sharp—Selective—Powerful

The intermediate transformers are all core wound, peaking sharply. Each stage is an accurately tuned filter. Interference is practically unknown. Separates stations in the most crowded districts. Astounding long range. Hundreds of users report hearing stations thousands of miles away.

Easy to Construct

The new model Victoreen represents a simple layout. Can be assembled in less than an hour. Furnished with complete layout and wiring diagrams. Factory-built panel and interior appearance. Wt., 35 lbs.

List of Parts

No. 2132. Victoreen No. 150 Coupling Unit. Wt. 10 oz. List. \$3²⁴

No. 2133. Victoreen No. 150 Antenna Coupler. Wt. 10 oz. List. \$2⁰⁶

No. 2130. Victoreen No. 170 R.F. Transformer for 201A tubes. Wt. 1 lb. List. \$4¹²

No. 2134. No. 112 Audio Unit. Wt. 6 lbs. List. \$22.00. **\$12²⁴**
NET

Power Amplification

The new Victoreen 112 audio unit provides the latest development in modern audio amplification. Will accurately respond to the lowest audible frequencies. Amplifies naturally from the lowest bass to the highest treble notes.

The Victoreen Universal, with master control, is as powerful an eight-tube radio receiver as can be designed.

List of Genuine Parts

4 Victoreen 170 Transformers, \$28.00; 1 Victoreen 150 oscillator, \$3.50; 1 Victoreen 160 antenna coupler, \$3.50; 1 Victoreen universal master control unit, \$19.50; 1 Victoreen 112 audio transformer unit, \$22.00; 1 Victoreen 2-ohm rheostat, \$1.20; 1 Victoreen 6-ohm rheostat, \$1.20; 1 Victoreen 400-ohm potentiometer, \$1.50; 1 Victoreen audio control unit, \$4.50; 1 Lignone 7x26 panel, drilled, \$6.00; 1 binding post strip, 6x 1/2 in., 10c; 1 binding post strip, 1/2x2 1/4 in., 10c; 1 Carter battery

switch, 50c; 1 Carter No. 6 jack switch, \$1.25; 3 Eby sockets, \$2.40; 1 Carter single circuit closed jack, 55c; 1 Carter single circuit diament control jack, 70c; 2 Dubilier .00025 grid condensers, 80c; 2 grid leaks, 2 mg., 50c; 1 Tube .001 fixed condenser, 10c; 1 Tube 1 mfd. by-pass condenser, 90c; 7 Eby binding posts, \$1.05; 1 Kurz-Kasch airstator variable dial, \$2.00; screws, wire, soldering lugs, \$1.00; 1 wiring diagram, 50c.

Any good "A" and "B" will electrify this set.

No. C8852

Total List \$105.65

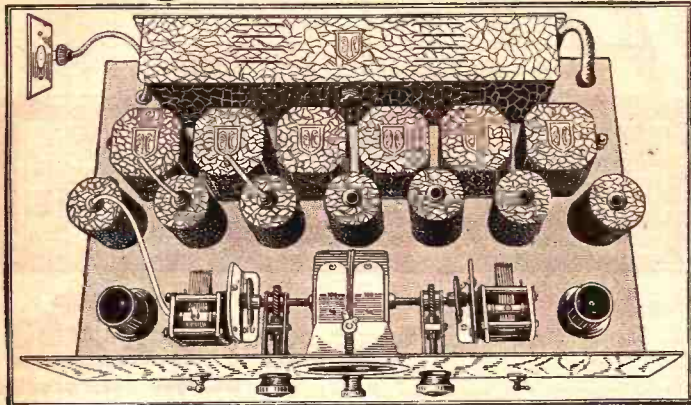
YOUR PRICE

\$57⁰⁵

Tyrman "72"

Custom-Bilt Shielded Grid

A. C. or Battery
Operated. Short
or Usual Wave
Receiver



1929 is a Tyrman
Year

LIST OF PARTS

Since the Tyrman "72" is a factory-sealed kit containing all of Tyrman's products including phono-radio jack, A.A. switch, all the wire, radio and audio couplers and all necessary parts for a receiver, the actual list need not be given here.

We offer the following special prices on the kit described to the left and below the picture of the receiver.

No. 8753. Complete parts for Tyrman "72" factory-packed for battery operation. Wt., 35 lbs. List, \$98.50. **\$57⁹²**
NET.....

No. 8754. No. 72 A.B.C. Power Pack used for A.C. socket operation. Factory assembled power pack only. Wt., 35 lbs. List, \$65.00. **\$32³⁴**

No. 8755. Tyrman "72" complete parts and A.B.C. Power Pack for A.C. socket operation. Factory packed including all necessary parts and power pack. Wt., 70 lbs. List, \$153.50. NET **\$90²⁶**

No. 2677. Complete set of four short wave coils. If desired. Wt., 1 1/2 lbs. List, \$10.00. NET..... **\$5⁸⁸**

What the Tyrman "72" Will Do

MANY of the advanced features of the Tyrman Imperial "80" are incorporated in the Tyrman "72". The "72" is designed so it can be assembled either for Battery or Complete A.C. Socket Operation. It provides an advanced Shield Grid receiver for those who wish to keep their present batteries or eliminators; and for localities where A.C. Power is not available. If assembled as a battery-operated set, it is a simple matter to convert it to complete socket-operation, by following a different wiring scheme, changing a few parts, and sockets for A.C. Tubes.

When assembled for A.C. Socket operation, uses an A. B. C. Power Supply designed especially for the "72," mounted on platform with other units. The Tyrman Duo System of Amplification as adapted to the "72" together with the Tyrman Audio assures full, rich, unqualified tonal quality and use of the high amplification values of Shield Grid Tubes.

Sensitivity, Stability, Selectivity, Power and Distance comparable only to the Imperial "80." No oscillation, distortion or critical adjustments. Front panel only 8x21 in. of beautiful Burl-walnut finish on metal equipped with Tyrman Illuminated Double Worm Drive Drum. 110 A.C. and Phonograph switch on panel. See notes to the right.

A.C. wiring diagram lithographed on subpanel simplifies and hastens assembly. Power Pack, factory assembled. All intermediate frequency units matched in factory.

No. 2245. Tyrman Single Illuminated Drum Dial. Wt., 3 lbs. List, \$2.00. YOUR PRICE.....



\$4⁷⁰

No. 2244. Tyrman Illuminated Worm Drive Double Drum, also sold separately. The worm gear positive drive. Wt., 4 lbs. List, \$12.00. YOUR PRICE.....

\$7⁰⁵



Efficiently Designed
for the Shielded
Grid Tube

This kit is designed especially for the A.C. shielded tube for real amplification.

The Screen Grid Super

THE Tyrman "60" is designed for battery or eliminator operation. Uses the shield grid tubes type 232. Combines features of the Tyrman "70" at a low price.

The intermediate frequency amplifier is identical with the Tyrman "70" except that a 201A tube is used as a first detector, also serving as an oscillator tube. A gang condenser is employed for tuning, resulting in a single tuning control. Tyrman engineers have succeeded in constructing this double circuit.

The Finest Kit

Especially designed for the shield grid tubes. Backed by an unsurpassed experience and working knowledge in shield grid circuits, the Tyrman "60" sets a new standard performance in six-tube receivers. Panel size 7x18 in. Uses Tyrman single vernier drum dial.

Wonderful tone quality, real selectivity, stability, power and distance. The "60" is an incomparable quality receiver. Complete diagram and instructions for wiring furnished.



Tyrman "60"

Custom-Bilt Shielded Grid



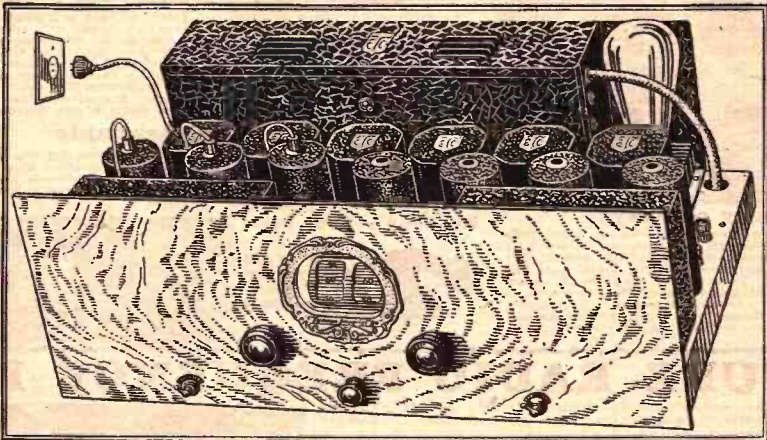
List of Parts

Three R.F. impedance, two audio couplers, three shielded sockets, three sockets, one vernier drum, one gang condenser, one antenna and oscillator coupler, two by pass condensers, one rheostat, one filament resistance, one midgeat condenser, one vernier condenser, three front panel brackets, one front panel, one sub panel, one cable and plug, hardware.

No. 8756. Complete parts, factory packed, ready to assemble. Wt., 35 lbs. List \$69.50. YOUR PRICE..... **\$40⁸⁶**

Tyrman Imperial "80"

Custom-Built Shielded Grid



For the Discriminating

THE Tyrman Imperial "80" is a completely A.C. socket power operated kit, using A.C. shielded grid tubes and A.C. tubes throughout. Completely equipped with power supply which is assembled, requiring no adjustments.

The "Imperial" Circuit

The Duo Shielded Grid Amplification system engineered by Tyrman is employed in the "80". This obtains the finest radio and audio amplification which when used with the type 250 tube gives tremendous volume and wonderful tone quality. Designed to be used with dynamic, air column or any good speaker.

Adaptable to Short Waves



Designed Especially for the Shielded Grid

A.C. Tube

The Imperial "80" is so designed with plug in coils as to cover amateur and television wave bands as well as regular reception. Actual 10 K.C. selectivity is assured by the manufacturer, as well as a distortionless receiver. Velvet smooth volume control also incorporated by Tyrman.

No. 1013. Tyrman special tube shield also sold individually. Wt. 1 lb. List, \$1.25.

YOUR PRICE

73c

A Beautiful Receiver

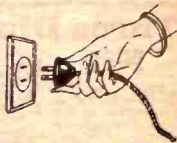
New process of genuine burled walnut impressed on metal panel rendering a most beautiful effect. New Tyrman worm drive illuminated drum with exquisite escutcheon plate are special Imperial "80" features. Metal parts all crystal finished. Also has a phono-graph switch permitting use of 250 amplification for phonograph use.

Simple to Assemble

Simplicity of assembly and wiring especially feature the "80". All connections marked on sub panel. May be accomplished within an hour.

Stability, Sensitivity—One Spot

One spot tuning and 10 K.C. selectivity. Non-oscillating receiver. All parts completely packed in a compact kit—factory sealed—ready to assemble. All super units matched at the factory. This is one of the finest distance getters on the market on test by Tyrman laboratories.



Tubes used in the Imperial "80" as follows: Three A.C. shielded tubes, four 227 tubes. In the power supply use one 250 tube and two 281 tubes.

Just "plug in" and "tune in" on the Tyrman Imperial "80". One of the best shielded grid, custom built kits on the market.

Complete List of Parts in Factory Sealed Kit:

Two R. F. transformers, one R.F. impedance, one special R. F. impedance, two audio couplers, seven shielded sockets, two sockets, one double worm drive drum "80", one antenna condenser, one oscillator condenser, one complete set of plug-in coils, one by pass condenser block, one volume con-

trol, one phone-radio switch, one 110 volt A.C. switch, two midgeet condensers, four .25 mfd. by pass condensers, three C bias resistors, one pair shields, one genuine wood metal front panel, one platform with lithographed bottom panel, one terminal cable, one complete assortment of wire, screws and terminals.

No. 8751. Complete parts Imperial "80". Wt. 35 lbs.

Your Price **\$79⁰⁸** List \$134.50

No. 8752. Power Supply factory assembled complete without tubes for Imperial "80". Wt. 35 lbs.

Your Price **\$38²²** List \$65.00

This Power Pack must be bought with the Imperial "80" for A.C. Operation.

SINGLE CONTROL 6

LATEST design simplified control kit. Wonderfully efficient. Extremely simple to operate. Anyone can tune in on this fine sensitive receiver easily, for local or distant reception. Splendid performance. Exceptional tone quality.

Single Illuminated Drum Control

An illuminated vernier drum highly perfected is used to tune this receiver. Many extraordinary features are built into the drum control. These are not found in any other drum on the market with the possible exception of those used in the highest priced receivers. The drum control itself is die cast and it is a reception instrument. It is cable driven and so designed

that the knob is precisely centered resulting in a factory built appearance. An unusual feature on the drum is the stop on the drum shaft itself which prevents any possibility of the cable breaking under strain. The translucent scale of the drum is illuminated from behind by a miniature lamp. A panel etched from plate of graceful design is also furnished.

Simple to Assemble

With accurately matched condenser and the coils already secured to mounting plate, it is a simple matter for anyone to assemble the Single Control 6. Audio frequency transformers of highest grade are

furnished providing reproduction true and lifelike. Furnished with full size layout and diagram. Simple to assemble. Can be wired by anyone in less than an hour's time.

No. 8853 - Your Price

\$27.45



LIST OF PARTS

1—illuminated drum dial; 3—space wound coils mounted; 1—triple die cast condenser; 2—low ratio audio transformers; 6—Bakelite UX sockets; 9—binding posts and mounting strip; 2—tin jacks and mounting strip; 1—8x18 metal panel; 2—25 ampere ballasts; 1—CRL volume control; 1—grid condenser; 1—grid leak; 1—9x17 baseboard; 1—resistance mounting; 1—rheostat with switch; by pass condensers; screws, wire, essential hardware; 1—wiring diagram.

5-TUBE RADIO FREQUENCY KIT

THE popular, dependable, economical circuit. Highly efficient. Easy to build with best grade of parts furnished. Lowest price—lowest upkeep cost.

Selective, Powerful Reception

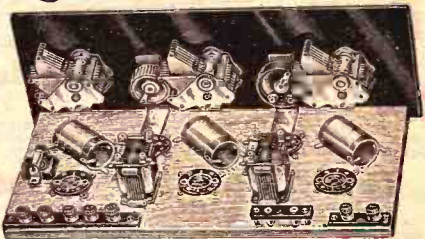
Many long distance records have been established with this simple five-tube receiver. Low loss condensers and accurately matched space wound coils. Best grade of low ratio audio transformers provide a wonderful degree of reproduction. Three dial individual stage tuning. Variable resistance, oscillation control and clarity control.

Popular Demand

Five-tube radio frequency receivers represent the majority of radio sets in general use. Lowest price for this high quality, carefully designed apparatus. Complete parts with full sized layout. Diagram is non-technical. Nothing else to buy other than tubes and accessories. Simple to assemble. Easy to wire within a few hours time.

List of Parts Furnished with this Kit:

1—1x18 drilled metal panel, 1—9x17 variable high resistance, 1—grid condenser, 3—modified SLP .00035 condensers, 1—panel brackets, 1—2 post strip, 1—5 post strip, 2—tin jacks, screws, lugs, wire and miscellaneous hardware, 1—wiring diagram.



No. 8854

List Value \$40.00
Your Special Price \$13.10

Three Dial RF Essential Kit

Highly efficient tuning units for the construction of any three dial radio receiver.



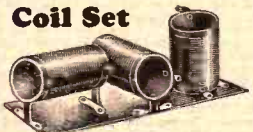
Condensers are of the popular type modified straight line frequency. Accurate and designed to eliminate all possible loss. Capacity, .00035 each.

Coils are space wound on bakelite tubing. Matched within a fraction of one percent. Lowest losses and highest efficiency for sharp, selective tuning. Coils furnished with mounting legs for ease of assembly. Coils and condensers matched as a unit.

No. 3141, List Value \$12.00. YOUR PRICE \$3.90

RF Essential Coil Set Matched

Kit of coils only. Coils are space wound with enamelled wire on threaded bakelite tubing. Accurately matched to a fraction of one percent.



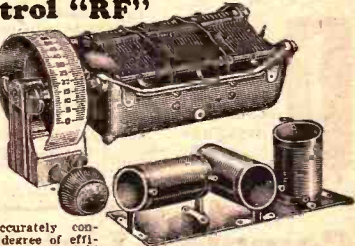
The three coils are precisely mounted at the scientifically correct angle. Inasmuch as individual shields should not be used between them, it is advisable to shield these coils only with a large box shield, the sides of which do not approach the coils within 2 in. at any point.

A highly efficient, accurate essential coil kit, readily adaptable to use with any precise range condenser. Each coil contains .00035 condenser.

No. 314B List Value \$10.00. YOUR PRICE \$1.25

Single Control "RF" Essential Kit

A complete single control radio frequency tuning unit. Recommended for the construction of any selective sensitive single control receiver.



DIE CAST CONDENSER

The condenser is accurately constructed to an unusual degree of efficiency. Die cast frame of the rigid bath-tub type. Hardened, lifetime bearings. The cast frame is so designed that the condenser plates are protected from injury of any sort. The wide spacing of the plates permits phasing of the condenser units to an extremely accurate extent. Compensators are provided on each unit to adjust for any variations in capacity that may occur in the wiring of the receiver.

MATCHED COILS

The coils are space wound with enamelled wire on threaded tubing. They are accurately mounted on metal plate. Coils are matched within a fraction of one percent it may be readily seen that a precision selective tuning unit can be constructed with these essentials.

Furnished with or without an illuminated vernier drum control. The drum control is die cast and is of the cable drive type. Positively no slipping or back lash occurs. It may be mounted from either side. Unlike many of the drum controls on the market a tuning knob centers immediately below the scale of the drum. The translucent scale is illuminated from behind with a small pilot lamp which is provided. A gracefully designed etched plate with template is also provided.

No. 3149, R.F. Essential Kit complete with drum, List \$25.00. YOUR PRICE \$8.18
No. 3150, R.F. Essential Kit without drum, List \$20.00. YOUR PRICE \$6.20

HAMMARLUND ROBERTS HiQ-29 JR. New Shield Grid Model A.C. and D.C.

Tremendous amplification is obtained in the new HiQ-29 Jr. by virtue of two stages shield grid radio frequency amplification. The weakest incoming signal is amplified tremendously by the shield grid tubes resulting in powerful, selective reception of distant stations.

Single Control—Shielded

The new Hammarlund Drum Dial with illuminating feature and gracefully formed enclosure plate gives the panel an exceedingly attractive appearance. Only one single tuning control. The screen grid stages are fully and completely shielded for maximum efficiency. Non-critical stable operation.

HiQ-29 Jr. Foundation Unit

Contains drilled and engraved Westinghouse panel, two complete shields, drilled steel chassis, shafts, coupling condensers, resistor mounts and all essential wire and hardware.

No. 2701. List \$14.00. YOUR PRICE

A. C. Model

COMPLETE PARTS FOR THE HAMMARLUND ROBERTS JR.

A. C. MODEL

Two Hammarlund .00035 midline condensers, two Hammarlund SGT-17 shield grid coils, one Hammarlund RFC-85 R.F. choke, one Hammarlund drum dial, seven Benjamin 9040 sockets, one Sangamo .0001 condenser, one Carter 3000 ohm tapered volume control, six Parvot 1.5 by pass condensers, one Parvot 3.5 by pass condensers, one Parvot 1 filter condenser, one Parvot 2 filter condenser, two Parvot 4 filter condensers, one Parvot 2 filter condenser, two resistors .25, one resistor .1, one 200,000 ohm resistor one watt, one 50,000 ohm resistor one watt, one Thordarson B 171 Compact, one Thordarson B 196 choke, one Thordarson 2610 filament transformer, one Electroacoustic A.C. transformer, one HiQ-29 resistor, one pr. Yaxley insulated phone clip jacks, one Eby binding posts, two Eby binding posts, one HiQ-29 foundation unit.

\$61.12

No. 8783 Total List \$103.95. YOUR PRICE

D. C. Model

HiQ-29 FOR BATTERY OPERATION. COMPLETE LIST OF PARTS:

Two Hammarlund .00035 midline condensers, two Hammarlund SGT-17 shield grid coils, one Hammarlund RFC-85 choke, one Hammarlund drum dial, six Benjamin 9040 sockets, one Sangamo .001 condenser, one Carter 3000 ohm tapered volume control, one Carter No. 2 battery switch, four Parvot 1.5 by pass condensers, two .25 resistors, one .1 resistor, two 10,000 ohm one watt resistors, one 50,000 ohm one watt resistor, one Yaxley type 680 cable connector, one pr. Yaxley insulated tip jacks, two Eby binding posts, one HiQ-29 Jr. Foundation Unit.

No. 8784. Total List \$34.35. YOUR PRICE **\$31.96**

Hammarlund Master HiQ-29

The HiQ-29 presents a new design and increased efficiency of the tremendously popular HiQ Six. Two circuits, designed for storage battery or A.C. operation.

Completely Shielded

The radio frequency circuit is stage shielded. The design of the assembly is such that the R.F. tubes themselves are individually electro-statically shielded from the tuning units and inductances. Greatest efficiency is obtained with tremendous radio frequency amplification.

New Illuminated Drum Dials

Incorporates the latest Hammarlund illuminated tuning control features. The receiver is extremely easy to assemble, furnished with foundation unit and steel chassis.

HiQ-29 Master Foundation Unit

Contains drilled and engraved panel, three complete aluminum shields, drilled steel chassis, shafts, binding posts, resistors and all essential hardware and wire.

No. 2702. List \$16.50. YOUR PRICE

\$9.70

A. C. MODEL

COMPLETE PARTS FOR BUILDING THE A.C. MASTER HiQ-29 FOR ELECTRIC OPERATION: Five Hammarlund .00035 condensers, one Hammarlund HiQ-29 coil set, two Hammarlund drum dials, three Hammarlund RFC-85 R.F. chokes, six Benjamin 9040 sockets, one Sangamo .00025 condenser, one Sangamo .001 condenser, one Carter No. 11 HI-Pot, two Thordarson B 300 transformers, one Thordarson B 196 choke, one Thordarson B 171 Compact, one Thordarson 2610 filament transformer, six Parvot 1.5 by pass condensers, one Parvot 4 by pass condenser, one Parvot 3.5 by pass condenser, one Parvot 1 filter condenser, one Parvot 2 filter condenser, one Parvot 4 filter condenser, two Parvot 4 filter condensers, one Parvot 2 filter condenser, two .25 resistors, one .12 meg. resistor, one 1/4 meg. resistors, one Yaxley 612 cable connector, one pair Yaxley insulated tip jacks, one Electroacoustic HI-Q-29 resistor, two Eby binding posts, one HiQ Master Foundation Unit.

\$89.26

No. 8785 Total List \$151.80. YOUR PRICE

D. C. MODEL

FOR STORAGE BATTERY OPERATION. Five Hammarlund .00035 midline condensers, one Hammarlund HiQ-29 coil set, two Hammarlund drum dials, three Hammarlund RFC-85 R.F. chokes, five Benjamin 9040 sockets, one Sangamo .00025 condensers, one Sangamo .001 condenser, one Carter No. 115 HI-Pot, two Thordarson B 300 transformers, four Parvot 1.5 by pass condensers, one 1/4 meg. resistor, one Yaxley 650 cable connector, one pair Yaxley insulated tip jacks, two 1A amperites, one 112 amperites, two Eby binding posts, one HiQ-29 Master Foundation Unit.

No. 8786. Total List \$99.50. YOUR PRICE **\$58.50**

Hammarlund Coils

No. 2703. SGT-17. Set of two coils for shield grid tubes. List per set \$5.00. NET \$4.70
No. 2704. HiQ-29. Coll Set. List \$8.00. NET

\$2.94
\$4.70

Hammarlund Short Wave Plug-in Coils

SWT-3 coil set covers short wave range of frequencies from 15 to 107 meters. Flexible a m p over slip between the coils making tuning very smooth over the whole short wave range.

Coils are built around the special space wound coil material which sets a new standard coils, low resistance at high frequencies. Coils tuned with .00014 condenser.

No. 2705. SWT-3 set of three coils with base. List \$10.00. NET **\$5.88**

Plug-in Short Wave Inductances

Short wave inductors corresponding to the secondary winding of the short wave tuning coils. For use in sets employing a stage of radio frequency amplification and in sets using a stage with screen grid tube. Tuned with .00014 condenser. Type SWT-3 with base and inductors covering range from 15 to 107 meters.
No. 2706. List \$5.00. NET **\$3.53**

See Amateur's Short Wave section for additional Hammarlund Short Wave and Transmitting apparatus.

Hammarlund Short Wave Receiver-Converter

A flexible short wave receiver, adaptable either to short wave reception with head-phones or as a short wave converter for plugging into the detector stage of any standard receiver.

Converts Any Set for Short Wave Reception

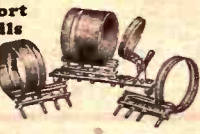
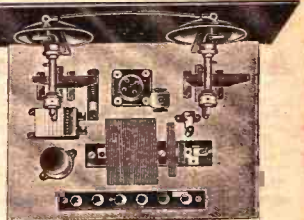
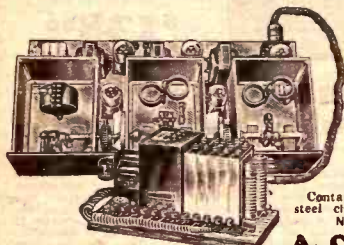
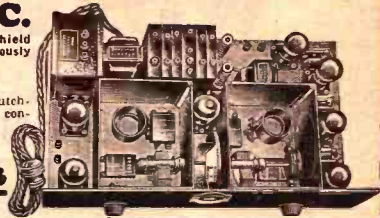
By simply plugging the Hammarlund Short Wave Converter into the detector socket of any radio receiver reception of the lower wave lengths may be had and as no changes in wiring are necessary broadcast reception will be readily made at will. As a converter for use with radio receivers nothing else is required. For use as a short wave receiver it is advisable to add a stage or two of audio amplification.

An Entirely New Field of Radio Reception

Many of the most powerful broadcasting stations transmit on short waves simultaneously with their regular broadcast programs. The short wave programs are often easily picked up from stations thousands of miles away when interference makes it impossible to receive the regular program on the station's broadcast wave band. Many foreign and European stations have adopted short waves and exceptional records have been made in long distance reception.

Complete List of Parts

One Hammarlund short wave coil set SWT-3, two Hammarlund .00014 mid-line condensers, one Hammarlund RFC-250 R.F. choke, one Benjamin 9040 socket, one grid leak mount, one 3 meg. grid leak, one 1A amperite, one 7214 panel, one socket plug adapter, two National type 27 dials, one Parvot 1.5 by pass condensers, six Eby binding posts, one binding post strip, one 9x18 baseboard.
No. 8787. Total List \$35.00. YOUR PRICE **\$20.50**



WORLD'S RECORD SUPER NINE

Scott's New Shielded Grid Sensation

**YOUR
PRICE**

\$81¹⁴

No. 8757

List Price

\$138⁰⁰



Scott Challenges The World

THE manufacturer of this kit is the same as the old World's Record Super Eight and the World's Record Super Ten. They issue a challenge to the world for distance, selectivity, tone quality and volume in the production of the Scott Shield Grid Nine. The manufacturer has tested this kit of parts which are easily assembled and has found that shielding not only gives much greater selectivity but also makes possible a tremendous gain per stage that is not possible with receivers which are not shielded. This set uses three 222 screen grid tubes. In this super-heterodyne these tubes give an unusually large gain per stage, bringing in more distant stations with greater volume and better tone quality.

250 Power Amplification

In the audio end of the receiver there is used a 112A tube with a 250 power tube giving this kit a tremendous "kick" with great volume and a resultant real tone quality. The transformers used are the Selectone type which are large and permit fine amplification.

Assembled In Four Hours

This set is easier to assemble than most super-heterodynes. The entire kit comes to you complete with every part that should be in it packed in. This kit is supplied directly from the manufacturer and is factory sealed. The radio frequency coils plug in to the contacts. Each part is matched by the manufacturer. The set when built is claimed to be the most efficient receiver on the market.

Illuminated Drum Control—Short Wave

Two illuminated drum tuning controls. One two gang and one single condenser. Many new stations and a number of older stations are now transmitting music on short wave and these can be tuned in on the Shielded Grid Nine by simply changing coils. This is also adaptable to a combination radio and phonograph. This receiver can be operated with either storage batteries or on one stage of audio on storage batteries or B batteries if A.C. current is not available. If 110 volt A.C. current is available, we list below the special B eliminator and the last stage of audio designed to go with this set. This will also eliminate all B batteries and furnish wonderful tone quality and power to the receiver. Special plug in coils can be supplied (listed below) which will enable you to tune in for SHORT WAVE reception as low as 30 METERS.

List of Parts

- Following is a list of parts for the Scott Shielded Grid Nine which comes completely packed in factory sealed kit.
- 1—Front Panel.
 - 1—Sub Panel.
 - 1—Selectone Variable 2-Gang Cond. No. 620.
 - 1—Selectone Variable Cond. No. 660.
 - 2—Selectone Variable Cond. No. 670.
 - 2—Illuminated Drum Dials.
 - 1—Selectone Audio Transformer No. 616.
 - 1—Selectone Screen Grid Amplifier Unit No. 600.
 - 3—Selectone Tube Shields No. 680.
 - 1—Selectone Transformer No. 630 (Ant. 200-550).
 - 1—Selectone Transformer No. 620 (R.F. 200-550).
 - 1—Selectone Transformer No. 610 (Oscillator 200-550).
 - 1—Pr. Bracket.
 - 1—Selectone Rheostat 15 ohm.
 - 1—Fixed Resistor, 4 ohm.
 - 1—Fixed Resistor, 2 ohm.
 - 1—Power Switch.
 - 1—Fixed Cond., .00025 with clips.
 - 1—Grid Leak, 3 meg.
 - 1—Vollmeter.
 - 1—Connecting Cable and Plug.
 - 8—Binding Posts.
 - Wires, Screws, Lugs, Nuts, etc.

No. 8757. Scott Shielded Grid Nine factory sealed kit as listed herewith. SWT., 35 lbs. List Price, \$138.00 **YOUR PRICE...**

\$81¹⁴

Scott Amplifier and Power Pack

This is the special power pack necessary for the World's Record Super Nine for A.C. operation. All complete with cord and plug ready to operate the World's Record Super Nine direct from the A.C. line. Supplies A and B. Wt., 25 lbs.



No. 8750. List, \$83.00.

YOUR PRICE.....

\$48⁶⁰



Selectone Shortwave Coils

No. 1951. Type 631 R.F. 70 to 210 Meters.

No. 1952. Type 632 R.F. 30 to 75 Meters.

No. 1953. Type 611 Osc. 70 to 210 Meters.

No. 1954. Type 612 Osc. 30 to 75 Meters.

List Price Each \$5.50. **\$3²⁴**
YOUR PRICE.....

Tube Shield

The tube shield used in the World's Record Super Nine is good for any screen grid tube.



No. 1956 List \$1.25

NET 73c

Remler 29 Shield Grid Kit

The latest development of the Remler laboratories

Four Shield Grid Stages

A ultra-powerful receiving set employing a single tuned stage of shield grid amplification, a regenerative detector and three intermediate shield grid R.F. stages. The high amplification of the new shield grid tube builds up the faintest signal or impulse to tremendous power. Makes possible the reception of the most distant stations with local volume.

Excellent Tone Quality

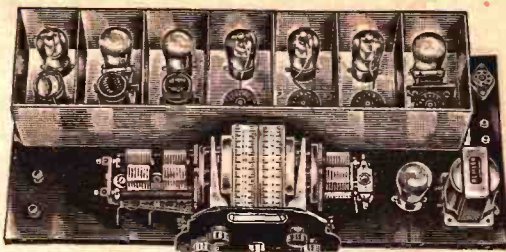
Uses new Remler audio transformers which respond equally to all musical frequencies, amplifying the low notes naturally. With a good speaker, reproduction is astoundingly true and lifelike.

A Laboratory Receiver

The Remler 29 includes the new 712 unit which consists of a laboratory assembled stage of tuned radio frequency with shield grid tube followed by a regenerative first detector, three stages of shield grid amplification at 15 K.C., oscillator and second detector. Completely wired, tested, balanced and inspected. Duplicates performance of the original laboratory model.

Exceptionally Easy to Build

The Remler 29 is simple to assemble and build. Anyone with the use of a screw driver and soldering iron can put together this marvelous receiver within a short space of time. Wt., 70 lbs.



LIST OF PARTS

1-Remler 712 Shield Grid Amplifier	\$70.00
1-Remler 752 Foundation Kit, including steel sub base, installation panel, bronze escutcheon plate and all necessary hardware, knobs, etc.	15.00
2-Remler 110 Universal Drum Dials	9.00
1-Remler 632 Two In Line Condenser	12.00
1-Remler 638 Twin Rotor Condenser	5.00

1-Frost 500,000 ohm Volume Control	2.00
1-Frost 200,000 ohm Sensitivity Control	2.25
1-Frost 10 ohm Gen Rheostat with Switch	1.00
1-Cable Plug with Socket	3.00
1-Remler 920 Transformer	12.00
Total List.....	\$131.25

No. 8910 \$77¹⁷
YOUR PRICE

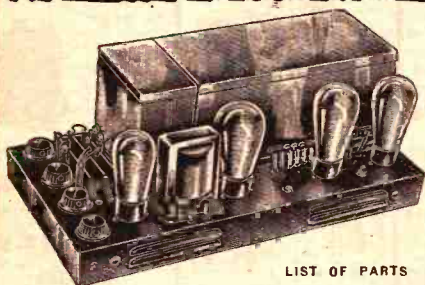
Remler 950 Power Amplifier

For The Remler 29 Receiver

THE new Remler 950 Power Amplifier especially designed for use with the Remler 29 receiver. It incorporates a stage of 250 power amplification in connection with the new Remler 921 second stage high gain audio transformer and the new Remler output impedance compensating transformer. Provides an unflinching source of pure, noiseless D.C. current for the operation of the 250 power tube. It also supplies the necessary B voltages for the operation of the receiver. Assembled on a formed steel sub base. Easily constructed in a short time.

For Use With Dynamic Speaker

This amplifier is capable of such extreme perfection in tone quality that it is recommended for use with a good dynamic speaker in order to obtain the best results. While designed for use with the Remler 29, the new 950 Power Amplifier is adaptable for use with any other receiver to supply proper B voltage and provide a stage of high grade power amplification. Wt., 50 lbs.



LIST OF PARTS

1-Remler 950 Transformer and Choke	\$45.00	1-Frost 300 Resistance Kit	9.00
1-Remler 950 Foundation Kit	12.00	2-2 mfd. by Pass Condensers	4.00
1-Remler 921 Audio Transformer	12.00	2-2 mfd. Filter Condensers	12.00
1-Remler 923 Output Impedance	20.00	Total List	\$114.00

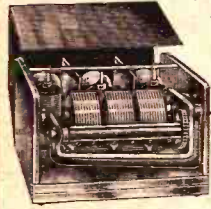
No. 8911 \$67⁰³
YOUR PRICE

Remler RF Amplifier

A completely shielded RF tuning unit using two stages of radio frequency amplification and detector.

Uses Remler 633 three in line compensated condenser. The coils are shielded and are of the solenoid type with primaries arranged to rotate for automatic coupling controlled by the condenser shaft. Consistent coupling and uniform gain at all wave lengths. Includes antenna compensator. Wt., 15 lbs.

No. 3804. No. 710 Amplifier. List, \$55.00. **\$32³⁴**
YOUR PRICE



No. 2679. Antenna Compensator. Provides a means of varying the inductance of the first tuned circuit. Nullifies the detuning effect of the antenna system. Wt., 8 oz. **\$2.94**
List, \$5.00. YOUR PRICE

New 1929 Infradyne



THE new Infradyne is an extremely powerful radio receiver. Selective and sharp tuning. May be operated as a five tube simplified control tuned RF set for local reception or as a powerful ten tube receiver for coast to coast distant reception. Illuminated drum control with the Remler 360° drum-dial. Uses the new Remler audio transformers. Wonderful full, natural, life-like tone. Wt., 45 lbs.

LIST OF PARTS

1-Remler Infradyne Foundation unit, consists of essential parts for the Infradyne, including bronze control panels, Remler drum dial, sockets, chokes, condensers, switch and all miscellaneous parts.	1-Remler RF Amplifier with Antenna Compensator.	1-Infradyne Amplifier.	1-Remler Infradyne Cabinet and Base	1-Jewell 0-5 Voltmeter.	Tubes for the Infradyne: five 301A, four X199, one type 112A or 111A.	1-Remler No. 000 Audio Transformer.	1-Remler No. 901 Audio Transformer.	1-Remler No. 922 Output Transformer.
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Total List.....\$182.50

No. 8912

\$107³⁰
YOUR PRICE

No. 3803. Infradyne Foundation Unit. List, \$52.00. YOUR PRICE.....\$30.58	No. 8867. Infradyne Cabinet and Base. List, \$15.00. YOUR PRICE.....\$8.82
Shipping wt., 20 lbs.	
Shipping wt., 10 lbs.	

Remler Twin Rotor Condensers

Nationally known efficient condensers. Full 360° rotation spreads stations twice as far apart as the usual condenser. Simplifies tuning. Wt., 2 to 5 lbs.

SINGLE UNITS 3104. 0005 SLF List, each, \$5.00. **YOUR PRICE.....\$2.94**

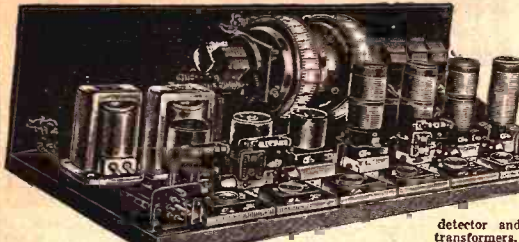
TWO IN LINE CONDENSERS 3100. 00035 SLW List, each \$12.00. **YOUR PRICE \$7.05**



THREE IN LINE CONDENSER 3108. 00035 SLW List, \$15.00. **YOUR PRICE \$8.82**

REMLER STANDARD DIAL 3105. List, \$1.00. **YOUR PRICE 59c**

New Remler Best 115 KC Shield Grid Super



Latest Remler Shield Grid Superheterodyne. A new improved circuit with enormous i.f. gain. Employs two shield grid tubes in the tuned i.f. section and two more in the intermediate frequency circuit.

COMPLETELY SHIELDED with the new Remler shields. Shield Grid tube properly shielded is non-oscillating even when operating at the peak efficiency.

SENSITIVE AND SELECTIVE. Ten kilocycle separation of stations adjacent to high power broadcasting stations. The great selectivity of this receiver does not impair the quality of reproduction.

Incorporates two stages of shield grid tuned radio frequency, regenerative first detector, oscillator, two stages of 115 K.C. intermediate amplification, second of high quality audio with the new Remler audio

detector and two stages transformers.

Complete List of Parts

- Seven Remler No. 728 shields, 2 Remler No. 119 drum dials, 1 Remler No. 633 3-in-line cond., 1 Remler No. 638 twin rotor cond., 1 Remler No. 550 inductance, 1 Remler No. 570 oscillator, Remler Inductances: 1 No. 562, 1 No. 564, 1 No. 612, and 2 No. 614; 15 Remler No. 50 sockets, 3 Remler No. 61 resistance mountings, 1 Remler No. 502 compensator, 1 Remler DK-10 knob, 2 Remler No. 750-12 knobs, 4 Remler No. 35 chokes, 1 No. 551 jack, 1 500,000 ohm resistance, 1 2000 ohm resistance.

Tubes needed for the 115 K. C. Super: Four Shield Grid tubes, four CX301A, one CV17A.

- 1 Frost 10-ohm Gem rheostat, 1 200-ohm potentiometer, 2 4-ohm resistances, 1 1-ohm resistance, 3 .0025 cond., 2 .005 cond., 1 .0005 cond., 1 .0001 cond., 1 .00003 cond., 7 1 by pass cond., 2 3-megohm grid leaks, 1 4-megohm grid leak, 1 Remler No. 900 transformer, 1 Remler No. 901 transformer, 1 Remler No. 922 output, 1 Jewell 0 to 5 meter, 1 cable plug and socket, 2 Eby posts, 1 11x25 baseboard, 1 7x28 drilled and engraved panel, 1 Sanson No. 85 choke: Wt. 30 lbs.

Total List \$163.95
No. 7050
Your Price \$96.40

Remler Interchangeable Inductances

- ANTENNA COUPLERS**
- No. 7025. Remler No. 550 Inductance. Wt. 10 oz. List \$3.00. NET \$1.76
- No. 7026. Remler No. 551 Inductance. Wt. 10 oz. List \$3.00. NET \$1.76
- R. F. TRANSFORMERS**
- No. 7028. Type 560 for shield grid tubes. Wt. 1 lb. List \$3.00. NET \$1.76
- No. 7029. Type 561 for standard 201A tubes. Wt. 1 lb. List \$3.00. NET \$1.76
- No. 7020. Type 564 three circuit inductance. Wt. 1 lb. List \$4.00. NET \$2.35
- No. 7271. Type 562 shield grid R.F. Inductance used with No. 564. Wt. 1 lb. List \$3.00. NET \$1.76
- No. 7027. Type 570 oscillator inductance. Wt. 1 lb. List \$4.50. NET \$2.65
- No. 7222. Type 540 primary Coil 25 turns. Wt. 6 oz. List \$1.00. NET \$0.90
- No. 7223. Type 541 primary Coil 100 turns. Wt. 6 oz. List \$1.00. NET \$0.90
- No. 7224. Type 542 primary coil 250 turns. Wt. 6 oz. List \$1.00. NET \$0.90

New Remler Audio Transformers

- No. 1957. First Stage Audio. Remler type 900, 3 1/2 to 1 transformer. Used in first audio stage. Wt. 2 lbs. List \$8.00. NET \$4.70
- No. 1958. Second Stage Audio. Remler type 901, 3 to 1 ratio. Wt. 2 lbs. List \$8.00. NET \$4.70
- No. 1990. High Gain Audio. 4 1/2 to 1 high ratio. Wt. 3 lbs. List \$12.00. NET \$7.06
- No. 1991. Remler No. 921. A high gain ratio, 6 1/2 to 1. Used between first audio and power tube particularly when using new 250 power tube. Wt. 3 lbs. List \$12.00. NET \$7.06
- No. 1992. Output Transformer. For use with 112A, 171A or 210 tube. Wt. 4 lbs. List \$10.00. NET \$5.88
- No. 1993. No. 923 Output Transformer. For new 250 power tube. Wt. 4 lbs. List \$20.00. NET \$11.76

Remler Shielding Case

- No. 7035. Used wherever effective shielding is required. Size 3" wide by 5 1/2" deep by 3 1/2" high. Wt. 1 lb. List \$3.00. NET \$1.76



Ballast Tube Shields

- No. 7033. Type 55 for 701A or 922 tubes. Dia. 2 1/2". Wt. 6 oz. List \$2.00. NET \$1.17



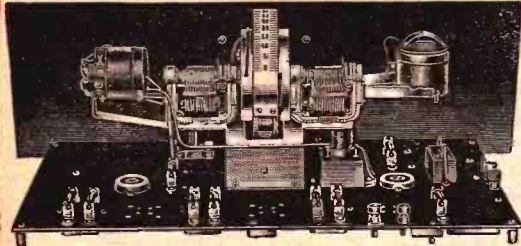
- No. 7034. Remler No. 35 tube case—copper case only without metal base. Wt. 6 oz. List \$1.00. NET \$0.90
- No. 7032. Type 54 shield for 199 tubes. Wt. 6 oz. List \$1.00. NET \$0.90

Remler Intermediate Transformers

- No. 2127. Practical intermediate amplification at 55 K. C. All Remler intermediate transformers are matched at the factory to laboratory standard. Wt. 10 oz. List each \$8.00. YOUR PRICE \$3.53
- No. 2128. Remler Tuned Filter. Type 610. Wt. 10 oz. List \$5.00. NET \$2.94
- Remler R. F. Choke**
- No. 2031. To limit radio frequency currents. Molded bakelite case. Wt. 4 oz. List \$98. NET \$530



1929 Browning-Drake Shielded Grid Kit



Incorporates greatest features in coil design developed since the regenerator. Absolutely single control with no antenna trimmers or any auxiliary adjustments. Hair lined tuning on the most distant stations.

SCREEN GRID AMPLIFICATION. Tremendous gain with new shielded grid tube in the R.F. stage. Famous Browning-Drake detector circuit. Resistance couple amplifier. Reception and volume is great on local and distant stations.

A. C. OPERATION with new A. C. tubes. Furnished without A. C. pack. Power unit may be installed at the rear for a complete A. C. set of the highest type. Wt. 35 lbs.

- Genuine Parts**
- One official B-D 1929 A. C. shield grid kit set, 1 B-D foundation unit, 2 B-D R. F. chokes, 3 B-D special coupling condensers, 2 Eby LY type sockets, 5 Aerorox cond., 1 Aerorox 1 Mfr. 1ly-Pass cond., 7 resistors, 1 Frost volume control and A. C. Switch, 4 Eby binding posts, 1 Aerorox, 5 moulded cond., 2 1000-ohm resistors.

Total List \$59.45
No. 8786
Your Price \$34.96

For A. C. Electric Operation

New Official B. D. Kit Set Shield Grid AC

No. 7099. The latest Browning-Drake essential single control tuning unit. Used with new screen grid tubes. New small diameter space wound inductances, precision condensers, single drum control. Specified for the new B-D Shielded Grid A. C. kit. Wt. 10 lbs. List Price \$28.00. YOUR PRICE.



\$15.29

Official B. D. Foundation Unit

- No. 7098. Drilled front and sub-panel, with amplifier, sockets and resistor holders, twisted A.C. wire, connecting cable and all hardware. Wt. 5 lbs. List \$14.75. NET \$8.67

B. D. R. F. Choke

- No. 7006. For the new official B-D kit. Wt. 6 oz. List \$2.00. NET \$1.18

National Radio's Latest

National Screen Grid SHORT WAVE RECEIVER

COMPRISES several unique features. Uses the new 222-screen grid tube in the first R.F. stage, amplifying the incoming signal tremendously. The advance design of the national screen grid receiver makes shielding of the 222 tube and inductance unnecessary resulting in ease of construction and operation.

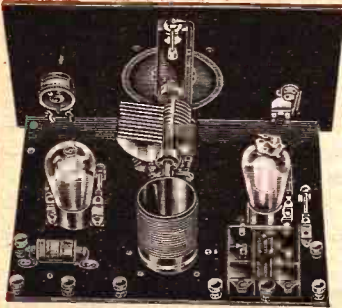
19 TO 100 METERS

By means of a series of four interchangeable coils, the national short wave kit will cover the full band of short wave frequencies from 15 to 100 meters.

There are a great many stations to be heard with a short wave receiver. With it distance takes an entirely new meaning. It is not uncommon to receive broadcasting from foreign stations located thousands of miles away with a 1, 2 or 3 tube short wave receiver. Static and fading is frequently entirely absent when reception on the regular broadcast band is exceedingly poor.

Aside from the thrill of possible foreign reception, reliable reception of such American stations as KDKA, WABC, WLW, WGY and many amateur broadcasts on short wave receivers can usually be depended upon. The broadcasting stations mentioned above transmit regular programs on short waves in conjunction with their usual broadcast programs. These can often be picked up easily on the lower wave lengths when interference makes reception practically impossible in the broadcast band.

At present many experiments are being conducted with television. Practically all of these television signals are transmitted under lower wave lengths. Anyone wishing to experiment with television reception requires an efficient short wave receiver. Wt. 20 lbs.



- LIST OF PARTS:**
 1-National Foundation Unit.
 1-National Type "E" Dial.
 1-National .000125 Condenser.
 1-Set National Short Wave Inductances.
 1-National R.F. Choke Type 90.
 1-National Impedance Type 10.
 1-Aerovox .001 Condenser.

- 1-Aerovox .00225 Condenser.
 2-Aerovox .5 By-Pass Condensers.
 1-Aerovox 1 Mfd. By-Pass Condenser.
 1-Electrad Resistor Type "L".
 2-Lynch Equalizers.
 1-Grid Leak.
 1-Filament Switch.
 8-Evy Binding Posts.

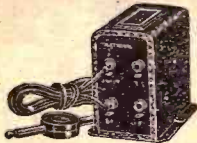
TOTAL LIST \$34.85
No. 8789
YOUR PRICE \$20.49

Browning-Drake Coils



Designed by G. H. Browning and F. H. Drake of Harvard University, 90 percent efficient. Space wound inductances on threaded bakelite tubing. Wt. 3 lbs.
 No. 3006. B.D. 1 and 2.
List \$8.50. YOUR PRICE \$5.00

National Tone Filter

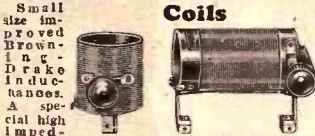


Protects the loud speaker from high plate current drawn by power tubes. An impedance of the proper value through which the plate of the tube is supplied. Combined with a 2 Mfd. filter condenser in one case. Will carry 25 Mils continuously without heating or saturating. Wt. 2 lbs. each.
 No. 1945. List without cord \$6.50. Net **\$3.82**
 No. 1946. List with cord \$7.00. Net **\$4.12**
 Type 250 for the new UX-250 tube. Will carry 25 much as 100 Mils.
 No. 1947. List without cord \$8.00. Net **\$4.70**
 No. 1948. List with cord \$9.50. Net **\$5.00**

National Scratch Filter

For use with electrical phonograph pick-ups to sub-due the amplification of needle scratch noises. Wt. 2 lbs.
 No. 6537. List \$5.50. Net. **\$3.23**

New National B.D. 2 in. Coils



Small size improved Browning-Drake inductances. A special high impedance primary transformer supplied with the UX222 coil.
 No. 2751. Type B.D. 4 National Antenna coil. Wt. 6 oz. List \$1.50. Net **88c**
 No. 2752. Type B.D. 5 National Antenna coil with trimmer. Wt. 6 oz. List \$3.00. Net **\$1.76**
 No. 2753. National regenerator transformer. Wt. 1 lb. List \$5.50. Net **\$3.23**
 No. 2754. National type 222 regenerator transformer for shielded grid tubes. Wt. 1 lb. List \$5.50. Net **\$3.23**

National R. F. Choke

Designed to plug in standard grid leak mounting.
 No. 2747. Type 90, especially suited for short wave work. Inductances 90 millihenries. Wt. 4 oz. List \$1.25. Net **73c**
 No. 2756. Type 250, for all standard receivers. Inductances 250 millihenries. Wt. 4 oz. List \$1.60. Net **94c**

National Vernier and Drum Dials

TYPE "E" DIAL

Embodies smooth gearless mechanism without back lash and an artistic and distinctive panel scutcheon plate. Wt. 1 lb.
 No. 1927. 0-100-0.
 No. 1925. 200-0. List Each \$2.75
 without Illuminator. **YOUR PRICE \$1.62**

TYPE "F" DRUM DIAL

Embodies a velvet smooth operating mechanism. Automatic spring takeup and assures a positive drive at all times. Attractive panel scutcheon plate. Translucent scale permits perfect illumination. Wt. 1 lb.
 No. 1928. List \$4.00 without Illuminator. Net **\$2.35**
 No. 1926. Type 28 Illuminator. Wt. 4 oz. No. List 50c. Net **29c**

National Tuning Units

For the Two Dial Official Browning-Drake Receiver



Highly efficient coil and condenser assembly. Wt. 6 lbs.
 No. 3014. Type B.D. 1 "E" complete with type "C" dial. List \$10.75. Net **\$6.32**
YOUR PRICE
 No. 3016. Type B.D. 2 "E" complete with type "C" dial. List \$13.50. Net **\$8.38**
YOUR PRICE

Official Genuine National B. D. Tuning Units

Designed for single control. Embodies the new small size space wound coils mounted as a single unit with Equitune condensers driven by the new national velvet Vernier drum dial.



A new improved feature, a special inductance trimmer in the antenna circuit. Eliminates the necessity of a trimmer condenser and insures selective tuning of the antenna stage.

Mechanical and electrical efficiency is extremely high. Recommended for the construction of a standard Browning-Drake receiver, or as a High gain two tube tuner for use in connection with any power amplifier. Wt. 10 lbs. **\$14.41**

No. 7088. List \$24.50. **YOUR PRICE**
TYPE 222 FOR USE WITH SHIELDED GRID TUBE
 Furnished with proper winding to permit the use of a UX 222 shielded grid tube. Embodies a special high impedance slot wound primary. Wt. 10 lbs. **\$14.41**

No. 7089. List \$24.50. **YOUR PRICE**

New Single Control Browning Drake

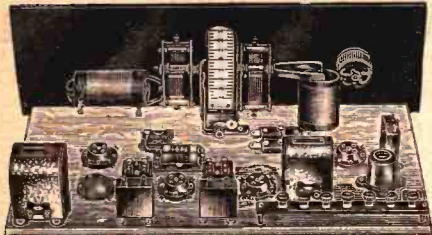
With New Improved Small Coils

ASTOUNDING results with the new Single Control Browning Drake circuit. Great range, unusual selectivity and greatly simplified tuning. Incorporates the latest developments and all of the new features. Extremely low resistance radio frequency circuit provides the utmost degree of sensitivity and selectivity to a greater extent than ever before. Greater efficiency than most seven and eight tube circuits.

Neutralized, stable, highly efficient radio frequency stage followed by regenerative detector, two stages of resistance coupled amplification for perfection of tone quality and one power transformer stage adaptable for use with power tubes. Uses output tone filter, thus keeping direct current out of loud speaker windings, protecting speaker from damage from the highest voltages.

SPACE WOUND COILS

Space wound inductances, low loss condensers, finest grade apparatus throughout. Employs the new illuminated vernier drum dial incorporating features found in no other tuning control of this type. Pleasing panel appearance with new escutcheon plate of graceful design. The knob of the drum dial centering immediately below the window of the escutcheon plate permits perfect symmetrical panel layout. Wt., 20 lbs.



List of Parts

One Single Control Drum Dial, 2 Pilot, .00035 Condensers, 1 set T.C. Browning-Drake Coils, 1 Knight Tone Transformer, 1 Knight Tone Filter, 2 stages Resistor Coupling, 2 Fixed Condensers, 2 By-Pass Condensers, 1 By-Pass Condenser, 2 Neutralizing Condensers, 1 Fixed Condenser .0001, 1 Grid Con-

denser .00025, 5 Bakelite UX Sockets, 1 1-ampere Ballast, 1 1/2-ampere Ballast, 1 Frost 30-ohm Rheostat with Switch, 1 Radio Frequency Choke, 7 Binding Posts, 1 Binding Post Strip, 1 7-21 Bakelite Panel, 1 9x20 Baseboard, Miscellaneous Screws and Essential Hardware, 25 ft. Wire, 1 wiring Diagram.

No. 7003
List Value \$65.00
YOUR PRICE
\$28⁸⁵



Improved Five Tube Neurodyne Kit

Genuine Hazeltine licensed neurodyne essentials. Newly developed, highly efficient, selective and powerful, five tube receiver. Simple to assemble and wire. Free from oscillation and easily neutralized. The Neurodyne circuit with its simplicity of operation has been adopted by leading manufacturers. Selective, powerful with perfect reproduction. Highest quality parts throughout. Full size layout diagram. Wt., 15 lbs.

List of Parts

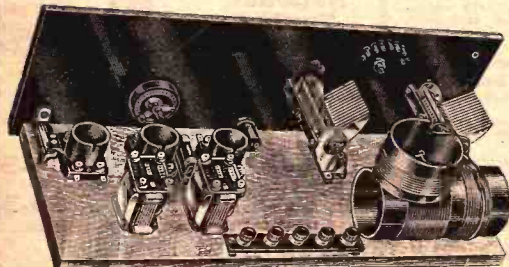
One 7x24 bakelite panel, drilled; 1 Neurodyne essential kit with neuroformers, variable condensers and neutralizing condensers; 5 bakelite UX socket; 1 rheostat with filament switch; 1 modulator; 2 low ratio audio transformers; 3 bakelite 4-in. dials; 1 .001

fixed condenser; 1 .00025 grid condenser; 1 2-meg. grid leak; 1 .01 by-pass condenser; 2 tip jacks; 1 binding post strip with eight posts; 1 binding post strip with two posts; screws, wire, lugs and miscellaneous hardware; 1 wiring diagram.



No. 8831
List Value \$45.00
Your Special Price . . . **\$18⁹⁵**

THREE TUBE COCKADAY



The three-tube Cockaday is the ideal small set. Economical to construct and operate. The famous Cockaday circuit is sensitive and selective. A splendid receiver for crowded districts. Easily separates local and distant stations. Ideal for rural communities because of its long range. Full loud-speaker volume obtained. Fine tone quality. Simple to construct with our diagram and layout. A fast and profitable seller. Wt., 12 lbs.

List of Parts

One 7x21-in. drilled bakelite panel, \$4.00; 1 20x8-in. baseboard \$30c; 2 4-in. bakelite dials, \$2.00; 1 30-ohm rheostat with knob, 15c; 1 single circuit jack, 50c; 1 switch lever, 25c; 7 switch points, 15c; 2 switch stops, 5c; 2 binding posts, Ant., Gnd., 20c; 1 binding post strip with five marked posts: A + A, B + B + B + B, \$1.00; 2 .0005 S. L. F. condensers.

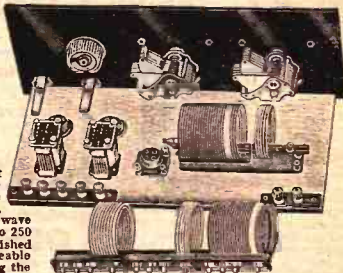
58.00; 1 filament switch, 50c; 1 Cockaday coil, \$4.00; 3 universal sockets, \$2.25; 1 No. 112 Amperite, \$1.10; 1 Knight 6-1 transformer, \$4.50; 1 Knight 5/8-1 transformer, \$4.00; 1 .00025 fixed condenser, 35c; 1 2-meg. grid leak, 25c; 1 grid leak mounting, 25c; screws, lugs and bus-bar, \$1.00; 1 wiring diagram and layout, 50c.

No. 8826
Total List Value \$35.90
Your Special Price **\$12⁴⁵**

Cabinet and accessories for this receiver will be found on other pages of this catalog.

SHORT WAVE

20 to 550 Meters
Plug In Coils



New Short Wave Kit with interchangeable short wave coils. Covers lower wave lengths from 20 to 250 meters, also furnished with interchangeable coils covering the broadcast range from 250 to 550 meters.

A universal general purpose receiver. Three tubes highly efficient. Full loudspeaker volume. A precision laboratory circuit. Wonderful records of distance reception have been made on short waves. More short wave transmitting stations in operation now than ever before. Highest quality parts throughout. Plug in coils for instantaneous change to any desired wave length band.

List of Parts

One 7x18 drilled bakelite panel, 1 9x17 baseboard, 1 .00014 variable condenser, 1 .00035 variable condenser, 1 UX cushion socket, 2 bakelite I-X cushion sockets, 1 set short wave plug-in coils 20 to 250 meters, 1 plug-in coil 200 to 550 meters, 1 2 1/2 to 1 audio transformer, 1 single open circuit

jack, 1 double circuit jack, 1 20-ohm rheostat, 1 binding post strip with five posts, 1 binding post strip with two posts, 2 Kurz-Kaseh aristocrat vernier dials, 1 grid leak 2 meg., 1 by-pass condenser .001, screws, wire, miscellaneous hardware, 1 wiring diagram. Wt., 15 lbs.

List Value \$40.00
No. 8813
Your Price **\$16⁶⁵**

Television Apparatus

EXPERIMENTAL TELEVISION APPARATUS. Television in its present stage being an undeveloped art, we display Television apparatus here and offer it for experimental purposes only. We do not advocate its use nor do we offer Television material under any guarantee whatsoever. **THIS IS EXPERIMENTAL EQUIPMENT AND IS NOT SUBJECT**

TO RETURN FOR CREDIT OR REFUND UNDER ANY CONDITION. We cannot guarantee its safe delivery and in the event of damaged shipments the purchaser is advised to file claim with the carrier. We offer on display here only merchandise made by nationally known, reputable manufacturers.

Raytheon Kino-Lamp

Glow lamp for Television receivers. A Neon type tube having a plate 1 1/2 in. square Presenting a glow area of 2 1/2 square inches. Uniform glow over the entire plate without the use of mirrors or ground glass gives it perfect reproduction qualities. Starting voltage 220 to 225 volts.

No. 7151. List \$6.17
\$10.50. YOUR PRICE

Raytheon Photo Electric Cell
Light sensitive tube for Television transmitting apparatus.

No. 7152. List \$20.00. **\$11.76**
YOUR PRICE

TELEVISION MOTOR

A.C. Induction motor for Television. Constant or variable speed with ease of control. Highly efficient, cool running. Quiet and clean. Has no brushes or commutators consequently producing no radio interference. Single phase 1800 R.P.M. recommended for receiving sets using 24 inch scanning disc. Very easy to maintain any speed between 750 and 1700 R.P.M. with 5 to 45 ohm variable resistance. 1/2 H.P. 110 volt 60 cycle A.C.

No. 7153. List \$30.00. **\$19.11**
YOUR PRICE

No. 7159. Machined flange for scanning disc. List \$3.00. **\$1.91**
YOUR PRICE

No. 7160. Rubber cushion base. List \$2.50. **\$1.60**
YOUR PRICE

TELEVISION MAGAZINE

Keep up to the minute with Television development. Television magazine published monthly with latest information data and circuits.

No. 4319. List 35c. **YOUR PRICE.. 21c**

DAVEN TELEVISION KIT



Latest Television Daven Essential Kit complete. Furnished with scanning disc, motor bushing, rheostat bushing, neon tube and three complete stages of amplification.

No. 7154. List \$60.00. **\$38.22**
YOUR PRICE

DAVEN SPECIAL MOTOR
No. 7161. List \$25.00. **\$15.92**
YOUR PRICE

Daven Television Amplifier
Type 3-T with resistors and coupling condenser. Amplifying perfection. The only suitable type of amplifier for Television reception.

No. 7155. List \$12.50. **\$7.98**
YOUR PRICE

TELEVISION AMPLIFIER



High quality resistant coupled amplifier for Television receivers. Ordinary forms of amplification are unsuitable for Television due to their unequal frequency curves. Resistance coupling is practically the only true amplifier for straight line amplification and is consequently highly suitable for Television. Wt. 1 1/2 lbs.

No. 3129. List \$8.00. **YOUR \$4.30**
PRICE

Daven Television Lamp

Will give excellent illumination with a current of 20 milliamperes or less. Designed to operate with an output tube in series. Where extremely bright illumination is required the tube may be loaded up to 80 milliamperes by means of suitable output tubes. Striking voltage 160. Plate area 1 1/2 square.

No. 7156. List \$8.57
\$12.50. **YOUR PRICE**

No. 7157. Daven A.C. 71 tube. For output type tube in series with Television lamp. List \$3.50. **\$2.40**
YOUR PRICE

No. 7158. Daven A.C. 10 Tube. Output tube for use in series with Television lamp for brighter illumination. List \$9.00. **YOUR PRICE \$6.17**

SCANNING DISCS

Accurately designed scanning discs with holes properly laid out to prevent distortion. For receiving 1 1/2x1 1/2 pictures.

No. 7165. 24 aperture disc. List \$5.00. **YOUR PRICE.. \$3.18**
No. 7166. 36 aperture disc. List \$7.50. **YOUR PRICE.. 4.78**
No. 7167. 45 aperture disc. List \$10.00. **YOUR PRICE.. 6.37**
No. 7168. 48 aperture disc. List \$10.00. **YOUR PRICE.. 6.37**
No. 7169. Bushing to fit 1/4 in. motor shaft. List \$1.00. **.64**
YOUR PRICE

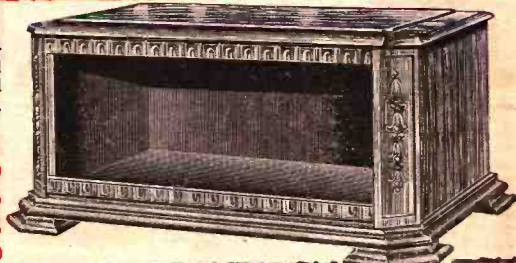
No. 7170. Special large size bushing for 45 and 48 line discs. List \$3.50. **YOUR PRICE 2.23**



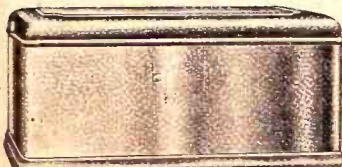
Walnut Carved Cabinets

One of the most beautiful walnut cabinets ever designed. Attractive, graceful lines. Finely finished, hand rubbed. Beautiful in appearance. Perfectly matched grain and color. Quality workmanship. Full 12" depth.

No.	Size	Shpg. wt.	List	NET
9151	7x18	22 lbs.	\$21.00	\$ 8.55
9152	7x21	24 lbs.	22.00	9.69
9153	7x24	26 lbs.	22.50	10.26
9154	7x26	30 lbs.	23.00	10.83
9155	7x28	32 lbs.	23.50	11.40



Metal Cabinets

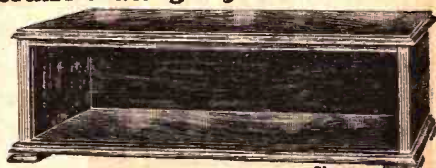


Richly finished metal cabinets. Finely designed. Beautiful, graceful lines. Will accommodate any set requiring 7x18 or 8x18 panel. Front of cabinet may be used as panel for direct mounting of dial or escutcheon plate. Full 13 in. depth. Wt. 10 lbs. Beautiful colored Finishes Offered in Bronze Crackle, Chinese Red and Green. Chinese and green finishes have poly-home gold effect.

No. 9164. Bronze **YOUR PRICE \$4.80**
No. 9165. Chinese Red
No. 9166. Green

Deluxe Mahogany Cabinets

Beautiful, hand rubbed mahogany finished cabinets. Finely constructed and durable. Grooved for 3-16 in. panels. Wonderful values. All sizes 10 in. deep.



No.	Size	Shpg. Wt. lbs.	YOUR PRICE	No.	Size	Shpg. lbs.	YOUR PRICE
9157	7x18	15	\$3.95	9160	7x26	20	\$4.95
9158	7x21	17	4.40	9161	7x28	22	5.25
9159	7x24	18	4.70	9162	7x30	24	5.85

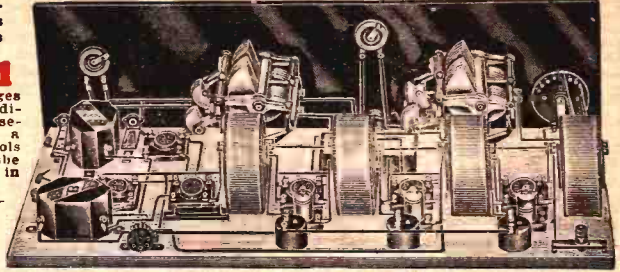
Bremer-Tully New A. C. and D. C. Power Six Kits

Developed from the Famous Bremer-Tully Counterphase Six. Contains Many new Remarkable Developments

Simplified Control

THE new power six employs three stages of tuned R. F. amplification. The additional stage makes possible for greater selectivity and greater receiving range with a short or inside aerial. The number of controls have been reduced to two. Includes power tube output. The new power tubes may be used in the output stage.

Many new features, including new balancing condensers, Jones Multi-Plug, universal sockets and wiring harness. Easy to build and assemble with the complete instructions and wiring diagram and the color coded wiring harness.



- 1-B-T Power Six Kit
 1-1x24 Panel.
 1-Baseboard.
 1-B-T 3-31 Audio Coupler.
 1-B-T 2-22 Audio Coupler.
 2-B-T Tuning Controls.
 1-.001 mfd. fixed condenser.
 1-.0025 mfd. fixed condenser.
 3-.005 mfd. fixed condensers.
 2-1 mfd. fixed condensers.
 1-2 meg. grid leak.
 6-B-T UX sockets.

LIST OF GENUINE PARTS:

- 1-Double circuit jack
 1-Single circuit jack.
 1-Filament switch.
 1-3-ohm rheostat.
 1-Single pole double-throw jack switch.
 6-Binding posts and mounting strips.
 2-1/2-volt C Batteries.
 Lugs, screws and Hookup Wire. Ship wt. 18 lbs.

No. 88836. List Value.
 \$77.75. NET.....

\$45⁷¹

B-T Power Six Essential Kit

- 1-T. A. Torostyle Transformer.
 2-T. C. Torostyle Transformers.
 2-T. B. Condensers.
 3-B-T Mikro-Mike Condensers.
 3-B-T R. F. Chokes.
 1-1-T 500-ohm Resistance.
 1-1500-ohm Resistances.
 1-Set colored charts and diagrams. Wt. 10 lbs.
 No. 88836. List
 Price. \$41.50. NET.....

\$24⁴²

B-T A. C. Power Kit

Power Six Electric

The famous Bremer-Tully Counterphase Power Six Kit fully electrified. Operates without batteries. Unqualified tone—unequalled merits. Uses the new 225 and 227 R.C.A. or Cunningham A.C. tubes. Operates direct from the light socket. Requires only B-T Power Unit or any standard eliminator.

Long Range—Powerful Reception

Has all of the merits of the popular B-T Power Six with additional features of the new audio couplers and complete electrification.

Complete list of parts ready for A.C. operation. Wt. 25 lbs.
 No. 87023. Total List. \$90.00.

YOUR PRICE \$52⁹⁵

B-T A. C. Power Six Essential Kit

Complete essentials for Power Six Kit. Wt. 10 lbs.
 No. 87044. List \$42.00.

YOUR PRICE \$24⁷⁰



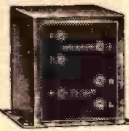
New B-T Audio Couplers

A new perfected audio coupler. More than a transformer—it introduces a new standard of tone quality. A superior and exclusive method of audio coupling. Wt. 1 1/4 lbs.

No. 87015. Type 3-31 Coupler for first stage.

No. 87016. Type 2-22 Coupler for first, second or third stage. List \$3⁵³
 \$8.00. YOUR PRICE.....

Bremer-Tully Speaker Coupler



New B-T output coupler for improved tone quality and increased volume. It protects the speaker winding from heavy current when power tubes are used. Essential for use with power tubes. May be wired in set or connected externally with speaker. No rewiring required. Wt. 3 lbs.

No. 87019. List. \$7.50.
YOUR PRICE \$4⁴¹

B-T Lifetime Condensers

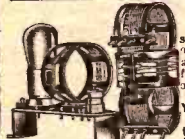
STRAIGHT LINE	WAVE LENGTH	Multiple Condenser
B1162.	.00025 4.50	Double condenser unit specified in the Counterphase. Consists of 2 .00035 units mounted on one chart. Has trimmer compensators on each section. Wt. 2 lbs.
B1164.	.00035 4.75	No. B1169. Double unit List. \$5 ⁵⁸ \$9.50. NET.....
B1165.	.0005 5.00	
B1168.	.00025 \$5.50	
B1167.	.00035 5.75	
B1168.	.0005 6.00	

B-T Power Unit

A new improved fool proof power unit. Adaptable to all sets up to ten tubes including the use of 112 or 171 power tube. Fixed voltage taps eliminate guess work. No variable resistances. Plainly marked binding posts showing voltage outputs. It will supply up to 150 volts for power tubes. Wt. 10 lbs.
 No. 87020. List. \$37.50 with. **\$22⁰⁵**
 out tube.
 YOUR PRICE



Dayton BH tube will be found listed on tube pages of this book.



Improved B-T Short Wave

The new B-T Short Wave Outfit is a superior short wave essential kit. Uses a new method of antenna coupling which allows extremely fine adjustment. Four interchangeable coils cover from 15 to 200 meters. Tunes with one .00015 or .000175 and one .00025 condenser. **\$6⁴⁷**
 No. 87017. List. \$11.00.
 YOUR PRICE.....

No. 87018. Set of plug in broadcast coils to cover broadcast wave lengths. List. \$5.50. YOUR PRICE..... **\$3.23**

B-T R. F. Choke Coil

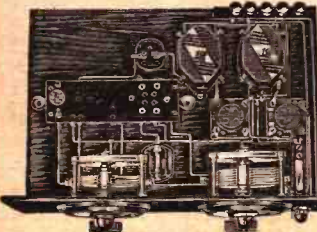
Used to prevent R.F. current from entering the audio circuit. Should be used in all B.F. receivers. Specified in many kits. Wt. 2 oz.
 No. 87171. List Price. 90c. NET..... **\$3c**

B-T Mikro Mike Condenser

Has range of from 1 1/4 to 30 mmf. Used in the Counterphase. Can be accurately adjusted with ease. Wt. 4 oz.
 No. B1174. List Price. \$1.00. NET..... **59c**

NEW B-T SHORT WAVE KIT

A COMPLETE B-T Short Wave Kit. All the parts for building a highly efficient three-tube short wave receiver with interchangeable plug-in coils. Four interchangeable coils cover the range from 15 to 200 meters. Additional coils available for covering the broadcast range. The detector unit is completely wired to insure accuracy and uniformity. It includes a non-microphonic socket arrangement. Coast to coast amateur and foreign long wave reception is possible on short waves. Wt. 15 lbs.

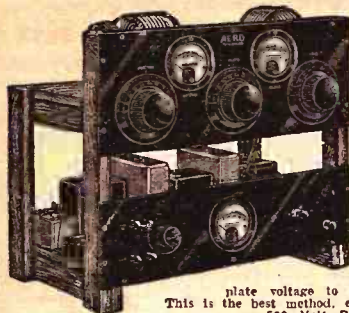


LIST OF PARTS	
1-B-T Shortwave outfit.....	\$11.00
1-B-T .000175 type LT condenser.....	4.25
1-B-T .00025 type LK3 condenser.....	4.30
1-B-T R.F. choke.....	.90
1-B-T 2-22 audio coupler.....	6.00
1-B-T 2-31 audio coupler.....	6.00
1-4 ohm fixed resistance.....	.15
1-2 ohm fixed resistance.....	.15
1-Filament control jack.....	1.00
1-Filament switch.....	.30
1-.00025 fixed condenser.....	.35
1-5 megohm leak.....	.50
5-binding posts (A-, A+, B-, 500, 450, 4).....	.75
1-Set blue prints and instructions.....	.50
1-1x18 panel.....	4.50
1-9x17 base.....	.50

No. B7014
 Total List \$41.65 **\$24⁵⁰**
YOUR PRICE

AMATEURS SHORT WAVE SECTION

AERO TRANSMITTERS



Radiohone transmitter. Simple and inexpensive to build and extremely efficient in operation. A 7 1/2 watt transmitter employing three 210 and one 112 tubes. Modulation with two of the 210's while the 112 is for a speech amplifier. The illustration shows isolation of all parts carrying R.F. currents to the upper deck while the circuits associated with power or low frequency voice currents are on the lower deck. This is the best form of construction.

The Radiophone Circuit built on the upper deck is the well known tuned-grid, tuned-plate circuit. A series feed for the plate voltage to the oscillator is employed. This is the best method, eliminating losses.

550 Volt Power Supply
Operates from 60 cycle house current; develops 550 volts for the 210 tubes. The two modulator tubes are used in combination with one oscillator of the same type all being 210 amplifiers. While the set may be efficiently operated with only one modulator it is recommended that two be used.

No. 8777. Aero Radiophone Transmitter No. 50. Complete for phone operation from 60 cycle A.C. current. Wt., 35 lbs. **\$87.46**
List \$148.75. NET

No. 8778. Code Transmitter. Aero Kit No. 51 for code transmission only. For battery power. Looks like upper deck of Aero No. 50 transmitter. Wt., 20 lbs. List \$74.85. NET... **\$44.01**

Aero Transmitter Coil Kits



Inter-changeable Transmitter Coils.

SHORT WAVE 30 WATT COILS

Kit No.	Meter Range	List	Net
1121	16.5 to 52	\$12.00	\$7.06
1122	36 to 90	12.00	7.06
1123	90 to 180	12.00	7.06
SINGLE TRANSMITTER COILS			
1124	16.5 to 52	\$4.00	\$2.35
1125	36 to 90	4.00	2.35
1126	72 to 190	4.00	2.35
1128	Grid Mounting Base	1.00	.59
1127	Antenna Mounting Base	3.00	1.76

150 WATT TRANSMITTER COILS
Coils of the same general appearance and design as the 30 watt size shown above but wound with heavy silvered copper strip.

Kit No.	Meter Range	List	Net
2725	24-K. 16.5 to 52	\$15.00	\$8.82
2726	48-K. 36 to 90	15.00	8.82
2727	98-K. 72 to 190	15.00	8.82
150 WATT COILS ONLY			
2728	24-C. 16.5 to 52	\$5.50	\$3.23
2729	48-CC. 36 to 90	5.50	3.23
2730	98-C. 72 to 190	5.50	3.23

AERO SHORT WAVE RECEIVING COILS



Type LWT 125
No. 1108. Three coils and base mounting with variable primary covering 15 to 130 meters when used with .00014 to .00025 condenser. Wt. 2 lbs. List \$12.50. NET **\$7.35**

INDIVIDUAL SHORT WAVE COILS
No. 2731. Int-1. 15 to 33.5 meters.
No. 2732. Int-2. 31.5 to 63 meters.
No. 2733. Int-3. 57 to 130 meters. List each \$4.00. NET **\$2.35**
No. 2734. LWT mounting base with primary. List \$3.00. NET **1.76**

International Short Wave



No. 2693. LWT-12. A kit of three interchangeable short wave coils with base and space wound primary covering 16.5 to 89.5 meters. Weight 2 lbs. List \$12.50. NET **\$7.35**

No. 2694. LWT-II. A kit of three short wave coils and plug-in base without primary for use after a standard grid tube. Range 18.5 to 89.5 meters. Weight 2 lbs. List \$11.50. NET **\$6.76**

No. 2695. LWT-10 Coil Kit. Short wave plug-in coils same as LWT-11 above but without base. Weight 2 lbs. List \$10.50. NET **\$6.17**

SINGLE INTERNATIONAL COILS
No. 2735. Int-101. 16.5 to 82 meters.
No. 2736. Int-102. 26.2 to 48.7 meters.
No. 2737. Int-103. 46.7 to 89.5 meters
No. 2738. Int-104. 87 to 105 meters. List each \$4.00. NET **\$2.35**

No. 2739. Base with 500 watt wound primary. List \$3.00. NET **\$1.76**

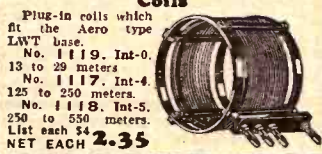
No. 2740. Base without primary. List \$1.50. NET **88c**

Aero Transmuting Chokes

No. 1107. Type C 248. For transmitting circuits using less than 50 watt tubes.
No. 2741. Type C 249. For larger transmitter up to 500 watts.

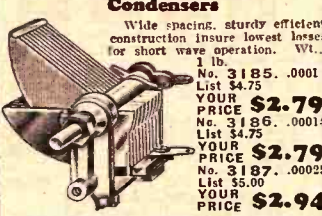
No. 1106. Type C 60. For short wave receiving circuits. List each \$1.50. NET **88c**

Short Wave Interchangeable Coils



Plug-in coils which fit the Aero type LWT base.
No. 1119. Int-0. 13 to 29 meters.
No. 1117. Int-4. 125 to 250 meters.
No. 1118. Int-5. 250 to 550 meters.
List each \$4.00. NET EACH **2.35**

Hammarlund Short Wave Condensers



Wide spacings, sturdy efficient construction insure lowest losses for short wave operation. Wt., 1 lb.
No. 3185. .0001 List \$4.75 YOUR PRICE **\$2.79**
No. 3186. .0014 List \$4.75 YOUR PRICE **\$2.79**
No. 3187. .00025 List \$5.00 YOUR PRICE **\$2.94**

Hammarlund Transmitting Condensers

Tested to withstand very high potentials. Low losses and highest quality. Hammarlund transmitting condensers are adapted where ordinary condensers are impossible. Wt. 2 lbs.
No. 3188. .0001 List \$6.00 YOUR PRICE **\$3.53**
No. 3189. .0002 List \$7.00 YOUR PRICE **4.12**
No. 3190. .0004 List \$10.00 YOUR PRICE **5.88**



Hammarlund Midgeet Condensers
No. 3094. 16-mfd. Trimmer. List \$1.50 NET **88c**
No. 3096. 50-mfd. Antenna series. List \$1.75. NET **\$1.03**
No. 3191. 100-mfd. Regeneration. List \$2.25. NET **1.32**
No. 3192. 70-mfd. Equalizer variable grid condenser. List 60c. NET **35c**

HAMMARLUND CHOKES

No. 2707. 85 MH-Henry. List \$2.00. YOUR PRICE **\$1.18**
No. 2708. 250 MH-Henry. List \$2.25. YOUR PRICE **1.32**

Hammarlund Short Wave Coils



Type SWT-3
Low loss short wave receiving inductances. Kit of three short wave coils with base covers range 15 to 107 meters.

No. 2705. List \$10.00. NET **\$5.88**

Individual Coils and Base

No. 2709. Base only. List \$3.00. NET **\$1.76**
No. 2710. 15-30 meter coil. List \$2.50. NET **1.47**
No. 2711. 27-59 meter coil. List \$2.50. NET **1.47**
No. 2712. 52-107 meter coil. List \$2.50. NET **1.47**
No. 2713. 100-125 meter coil. List \$3.00. NET **1.76**

Plug In Short Wave Inductors

Correspond to the secondary windings of tuning coils above. For use in sets employing stage of R. F. or shield grid stages.
No. 2706. Set of three inductors with base. Range 17-107 meters. List \$6.00. YOUR PRICE **\$3.53**

Inductance Coils and Base Only

No. 2714. Base only. List \$1.00. NET **59c**
No. 2715. 15-30 meter inductor. List \$1.50. NET **88c**
No. 2716. 27-59 meter inductor. List \$1.50. NET **88c**
No. 2717. 52-107 meter inductor. List \$2.00. NET **\$1.18**
No. 2718. 100-215 meter inductor. List \$2.00. NET **1.18**

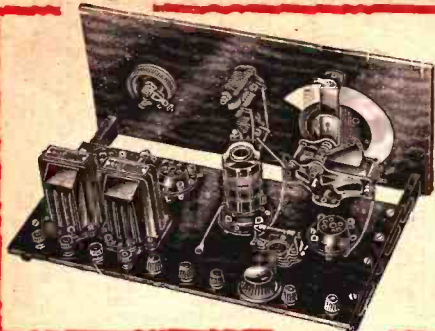
Hammarlund Space Wound Coils



For the amateur who makes his own coils. No. 16 green cotton silk covered copper wire. Space wound ten turns to the inch on transparent celluloid composition tube 3 inches in diameter. wall .005 inch thick. Exceedingly strong and rugged. Maximum length in one piece 20 inches.
No. 2719. List Per Inch. 40c. NET **24c**

Amateurs' Short Wave Section

Pilot Wasp Short Wave Kit



Amazing distance records are obtained on short waves. Many of the powerful broadcasting stations transmit their programs on short waves simultaneously with their regular broadcast transmission. Often stations far distant which are out of the range of the longer wave receivers can easily be picked up on the shorter wave lengths. Many report receiving European and other foreign stations with one to three tube short wave receivers.

Simple to Assemble and Wire
Has the new Pilot illuminated control and a set of five short wave plug in coils covering ranges from 17 to 30, 30 to 52, 48 to 105, 73 to 202, 200 to 500 meters. Each coil is equipped with an identifying color ring.

Complete List of Parts:
One Pilot 5 pl. midget cond., 10 binding posts, 2 Pilot Total List, \$33.50.
23 pl. midget cond., 2 1-inch brackets, 1,002 fixed cond., 1 U. F. choke, 1 front panel, 1 set panel, 4 sockets, 2 Pilot audio trans., 1 .1 megohm and 1 10 megohm grid leak, 1 10 ohm rheostat, 1 Pilot illuminated dial, 3 pl. cond., 1 set short wave plug in coils, 2 pair clips, screws, wire, nuts and essential hardware. Wt. 15 lbs.

No. 8779.
YOUR PRICE
\$19.70

Short Wave Plug-in Coils



Set of five short wave plug-in inductances. Covers a wavelength range 15 to 500 meters. Space wound. Fits any type UY fire prong tube socket. Lowest losses. Coils are space wound on ribbed bakelite forms. Fitted with identifying color rings. Wt. 1 lb.

No. 2656. List set of five \$4.85
YOUR PRICE.....

Coil Form Only

Ribbed form for winding space wound inductances. No. 2657. List. 90c.
YOUR PRICE..... 53c

Ellis Short Wave Coils Interchangeable



Precision made short wave interchangeable inductances. Set of three coils with mounting base covers range 15 to 150 meters.

Incorporates a unique feature in that the primary coil is adjustable in a slide and screw making it possible to eliminate dead spots in tuning. The regenerative coils are spaced to eliminate detuning of the secondary. Wt. 1 lb.
No. 2678. Complete set with base. List \$8.50. Your Price..... **\$5.00**

Frost Radio Microphones

Designed for amateur transmission and general apparatus work. Are of the solid back carbon type and will faithfully reproduce voice and musical frequencies over the full range. Frost Microphones are nationally known for their excellent performance and superior design.



No. 2566. Hand type as illustrated, complete with cord. List \$8.00. Wt. 3 lbs. NET \$5.14
No. 2567. Desk microphone with cord. List \$8.75. Wt. 5 lbs. NET \$5.14

No. 2568. Pony Arm type for mounting on panel of transmitter or wall. Wt. 2 lbs. List \$4.50. NET \$2.65

National Short Wave Screen Grid Coils



Designed especially for short wave circuits using 222 screen grid tube. May be employed very efficiently in circuits not incorporating radio frequency amplification. Space wound on bakelite tubing. Wt. 8 oz. each.

No.	List	Net
2742	15 - 25 meter coil	\$2.50 1.47
2743	21 - 40 meter coil	2.50 1.47
2744	37.5 - 65 meter coil	3.00 1.76
2745	64 - 115 meter coil	3.00 1.76
2746	Set of four coils	13 to 115 meters 10.00 5.88

Short Wave Panels

Panels drilled and equipped with sockets, grid leak, radio frequency choke and equalizer mountings for National Short Wave Kit. Wt. 3 lbs.
No. 2749. List \$7.25. **YOUR PRICE \$4.26**

National Short Wave SLF Cyclecoil Condenser

Designed especially for short wave receivers. SLF curve 270° rotation. Glider frame. Double spacing. Wt. 1 lb.



No.	List	Net
3195	.0001 \$4.50	\$2.65
3196	.000125 4.50	2.65
3197	.00015 4.00	2.35
3198	.00025 4.50	2.65

National High Frequency Impedance

Designed for use in the grid circuit of UX 222 screen grid tube when employed for short wave radio frequency amplification. Makes possible the construction of a single control short wave receiver of high efficiency. Wt. 6 oz.

No. 2748. List without mounting, \$1.00. NET **59c**

TRANSMITTING TUBES

UX 852. For amateur use. Normal output 15 watts. Standard UX base on filament end. Plate and grid leads through top and side of the tube. Filament to suit 3.75 amperes. Plate 2000 volts. 75 M. A. Safe power dissipation, 100 watts. Shipping wt. 2 lbs.



No. 280. List \$27.63
\$2.50 NET.....

UX 250. New 25 watt tube. Ideal for amateur transmission. Filament 7 1/2 volts, plate 450 to 500 volts. 55 M. A. Wt. 1 lb. No. 281. List \$12.00. NET **\$8.23**

852 TUBE HOLDER

Holds the tube absolutely rigid. Connections for grid and plate leads. Provision for mounting grid and plate condensers. Short direct leads. Wt. 10 oz.
No. 282. List \$2.50. NET **\$1.75**

National Precision Velvet Vernier Dial

Precision velvet vernier dial designed for laboratory apparatus where it is necessary to calibrate readings to one-tenth of a dial scale division. Ideal for the amateur who uses precision short wave apparatus.



Scales are of solid German silver engraved in black. Vernier reduction 5 to 1 ratio. Wt. 10 oz.
No. 1922, 100-0.
No. 1923, 150-0.
No. 1924, 200-0.
List each with vernier scale, **\$3.82**
\$6.50. YOUR PRICE

Interchangeable Short Wave Coils



A set of three highly efficient low loss interchangeable inductances complete with base. Covers wave length range 20 to 250 meters. Tunes with one .0001 or .00017 and one .00025 condenser.

Of space wound construction, the short wave inductances insure very efficient operation at the high frequencies without losses and extremely low D. C. resistance. Adjustable primary. Wt. 1 lb.
No. 1152. Complete set of three coils with base. **\$3.50**
YOUR PRICE

BROADCAST COIL

Designed to be interchangeable with short wave coil base. Coils wave length range 250 to 550 meters. Wt. 6 oz.
No. 1159. **YOUR PRICE \$1.15**

National Vernier Dial, Type E



Embodies a mechanism that is smooth in operation and insures a positive drive at all times. Very easy to install on any panel and with any condenser. Wt. 10 oz.
No. 1925. Scale 200-0. List \$2.75. **\$1.62**
NET.....

No. 1926. Illuminator for type E Dial. List 50c. **29c**
NET.....

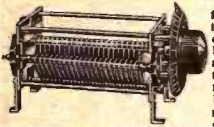
NATIONAL RF CHOKE



Designed to plug in standard grid leak mounting. Efficient over wide range of frequencies as low as 15 meters. Inductance value 90 MH. D. C. resistance 350 ohms. Wt. 4 oz.
No. 2747. List without mounting, \$1.25. NET **73c**

Amateurs' Shortwave Section

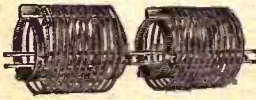
National Transmitting Condensers



One of the finest types of high voltage condensers that can be made. These are double or triple spaced models, ruggedly built of aluminum plates and securely pig-tailed. Supplied with National Velvet Vernier dial and pointer and completely mounted for quick installation. Ship. wt. 3 3/8 lbs.

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|---|---------------|
| No. 3023, .0001 mf.-6000 volts. List \$12.50. NET..... | \$7.35 |
| No. 3024, .00015 mf.-3000 volts. List \$7.50. NET..... | \$4.41 |
| No. 3025, .00023 mf.-3000 volts. List \$11.50. NET..... | \$6.76 |
| No. 3026, .00045 mf.-3000 volts. List \$16.50. NET..... | \$9.70 |

R. E. L. Transmitting Inductances



The finest of low-loss construction. Pyrex glass insulation between turns; flawless wound nickel-plated copper strip. Suitable for anything from a receiving tube transmitter to a one kilowatt set. Made in two sizes, type L, 5 inches in diameter, for 40, 80 and 150 meter bands; type S, 2 1/2 inches in diameter for 20 meter band and lower. Single units have three positive contact clips. Double units have primary and secondary with two glass coupling rods and six clips. Wt. 8 oz.

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| No. 2757, Type L, single unit..... | \$3.85 |
| No. 2758, Type S, single unit..... | 3.85 |
| No. 2759, Type L, double unit..... | 7.70 |
| No. 2760, Type S, double unit..... | 7.70 |

Code Practice Set

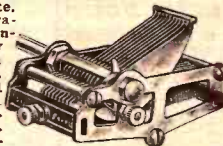
Set consists of a key and buzzer mounted on a polished wood base. Buzzer reproduces accurately the high pitched sounds of code stations. Connect a dry battery to the binding posts on the set by means of a short piece of wire. Press the key and a buzzing sound will be produced. In a very short time your ear will become accustomed to the various combinations of dots and dashes representing different letters and numerals. Chart included with each set. Base size, 7 inches long by 4 1/2 inches wide. Wt. 4 lbs.



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| No. 2569, Each..... | \$2.89 |
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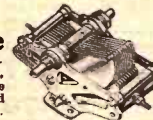
De Jur Shortwave

Accurate, matched, variable condensers. Low minimum capacity. Hardened bearings. A highly efficient condenser for short wave construction. Capacity List PRICE
No. 3077, .00014 \$3.00 \$1.76
No. 3078, .00025 3.00 1.76
Weight, 1 lb.



Pilot Shortwave

Removable shaft condensers. Highly efficient, accurately built variable condensers. Recommended for short wave receivers. Wt. 1 lb.



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| No. 3174, .00014, List \$1.90 NET \$1.12 | |
| No. 3175, .00025, List, 4.25. NET, 2.50 | |

Amsco Duo Space



New double space condensers. Precision tuning units for short wave receiver. Wildo spacing insures precision accuracy. Exceedingly small minimum capacity. Shafts extend from both ends making clockwise or counter clockwise motion a matter of choice. Wt. 1 lb.

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| No. 3174, .00014, List \$4.00. NET \$2.35 | |
| No. 3175, .00025, List, 4.25. NET, 2.50 | |

Amsco SLF Shortwave

The 00014 S.L.F. condenser designed exclusively for short wave receivers. Both rotor and stator insulated from frame. Connections made through insulated air tails. Possible to utilize this condenser in completely shielded circuits employing shield grid tubes. S.L.F. tuning characteristic. Wt. 2 lbs.

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| No. 3182, .00014, List \$2.06 | |
| \$3.50. NET..... | |

Amsco .00025 S.L.F.

Rotor is not insulated from frame as with the .00014. This is unnecessary with this capacity which is used for regeneration control. Wt. 2 lbs.

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| No. 3183, .00025, List \$1.62 | |
| \$2.75. NET..... | |

Standard Radio Key

A heavy type of Radio Key designed for largest capacity radio work. The arm, base, and supporting posts are made of heavy cast brass. The whole key is of rugged construction, so it will stand up well under rough usage. The contact points are 3/8 in. diameter, which assists materially in the dissipation of the heat produced. They are made of a metal which will resist arcing. Wt. 1 lb.



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| No. 2570, EACH..... | \$2.69 |
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Air King Short-wave Plug-In Coils



The new Air King Short Wave Kit consists of three plug-in coils ranging from 15 to 130 meters (when tuned with a .00014 condenser), and a plug-in base with variable primary. Each coil accurately spaced-wound on a bakelite squirrel cage form with ribs threaded to lock each turn in place. Perfect connection assured by double contact between coil prongs and the jacks in the base. Wt. 12 oz.

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| No. 2663, List \$7.35 | |
| \$12.50. YOUR PRICE..... | |

Karas Orthometric Short Wave Condensers

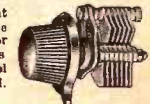


The plates are shaped of heavy lacquered brass, accurately soldered and give a straight-line-frequency curve. The rotor is milled to the frame and binding post through an insulated spring-bronze coil.

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| insuring noiseless action. The insulation is efficient and the condenser resistance is negligible. Wt., 2 lbs. Plates mmf. | |
| No. 1039, 100 | \$5.53 |
| No. 1038, 7 | 3.67 |
| No. 1037, 11 | 2.50 3.81 |

Pilot Midget Condenser

Exceptionally efficient low loss midget variable condensers, adaptable for short wave receivers as series antenna control and regenerative control. Wt., 8 oz.



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|----------------------|-----|
| No. Cap. List NET | |
| 3151, .000015 \$0.90 | 53c |
| 3152, .000025 .50 | 83c |
| 3153, .00005 .35 | 66c |
| 3154, .0001 1.40 | 82c |

Radio Frequency Choke

A characteristically efficient choke coil for the short wave sets. Accurate and dependable. Built for durability and results. Wt., 8 oz.



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| No. 2668, List, 90c. YOUR PRICE..... | 53c |
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Short Wave Plug-In Coils



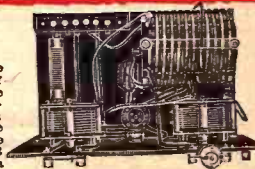
A set of four coils which make possible reception on all wave lengths between 16 and 210 meters.

Tuned with .00015 condensers. The coils are wound on moulded bakelite forms, with a standard UX type tube socket as base. The winding consists of the proper number of turns of spaced enameled copper wire. Low-loss construction. Wt. 8 oz.

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| No. 2676, List, \$3.50. YOUR PRICE..... | \$2.06 |
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R. E. L. Shortwave Transmitter

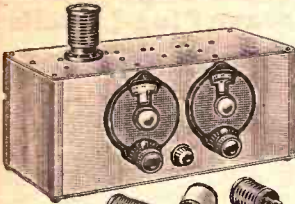
Here is the ideal beginner's short wave telegraph transmitting kit. It is made up of very carefully selected parts specified by the short wave authorities in Q. S. T. Great distances can be covered on low power with this efficient transmitter. Any type tube may be used—199, 201A, 171, 112, or 210. May be used on any power supply—B batteries, B Eliminator, Motor generator or AC from a transformer as long as the voltage is correct for the tube. May be used on any wave length from 15 to 100 meters. Panel size, 7 1/4 inches. Depth, 9 inches. Shipping wt., 15 lbs.



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| No. 2574, No. 175 Transmitter, List \$30.00. NET..... | \$22.50 |
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Amateurs Shortwave Section

Silver-Marshall Round-the-World Four



17 to 200 meters. The thrill band. English, Colonial, Dutch, French, German and other foreign stations and re-broadcast programs on the low wave bands. Here you will find long distance reception easy without the great interference of the broadcast band.

No. 8997. Complete four tube short wave kit.

GRID. One dial tuning—new Clough high gain audio amplification. Complete shielding. 700 "Round the World Four." Complete four tube short wave kit.

Shipping weight, 11 lbs. List, \$51.00.

NET **\$29.99**

No. 8998. 731 Two Tube Adapter. Converts any set to short wave. Shipping weight, 8 lbs. List, \$36.00. **\$21.17**

No. 1060. 732 Round the World Essential Kit. Shipping weight, 3 lbs. List, \$16.50. **\$9.70**

SM Short Wave Midget Plug in Coils

Short wave, space wound, low loss coils will fit any five prong Y type socket. Weight, 8 oz. each.



No.	Description	List	NET
1001.	130-P Coll. form not threaded	\$0.65	\$0.38
1002.	130-T Coll. form threaded	.65	.38
1003.	131-T Coll. 1 1/4 to 32.1 meters, for 00014 condensers	1.25	.74
1004.	131-B Coll. 3 1/2 to 38 meters, for 00014 condensers	1.25	.74
1005.	131-V Coll. 57 to 110 meters for 00014 condensers	1.25	.74
1006.	131-W Coll. 104 to 204 meters	1.25	.74

Jewell Transmitting Trio

The Jewell Trio of transmitting instruments types 54, 64 and 74 are exceedingly popular with amateurs for short wave work. The body of the instruments are 3 in. in diameter—3/4 in. in diameter of flange.



PATTERN 54 D.C.

Direct current instruments equipped with external resistors.

No.	Range	List	NET
2572.	0-8 volt	7.50	\$5.52
2573.	0-15 volt	7.50	5.52
2574.	0-50 volt	7.50	5.52
2575.	0-150 volt	9.50	6.99
2576.	0-500 volt	15.50	11.40
2577.	0-730 volt	19.00	13.96
2578.	0-1000 volt	22.50	16.54
2579.	0-1500 volt	28.50	20.95
2580.	0-2000 volt	34.50	25.36
2581.	0-1 amp.	7.50	5.52
2582.	0-3 amp.	7.50	5.52
2583.	0-10 amp.	7.50	5.52
2584.	0-10 M. A.	7.50	5.52
2585.	0-25 M. A.	7.50	5.52
2586.	0-50 M. A.	7.50	5.52
2587.	0-100 M. A.	7.50	5.52
2588.	0-300 M. A.	7.50	5.52
2589.	0-500 M. A.	7.50	5.52
2590.	30-0-30 Galvanometer	7.50	5.52
	0meter	9.00	6.61

Radiation Ammeters Pat. 64

Thermo-couple radio frequency ammeters. Extremely accurate. Losses exceedingly low.

No. 2591.	0-5 Amperes.	\$8.82
No. 2592.	0-1 Amperes.	
No. 2593.	0-15 Amperes.	
No. 2594.	0-3 Amperes.	
No. 2595.	0-5 Amperes.	

Pattern 74A-C. Filament Meters

Ruzzed movement. Widely used for power tube filament control.

No. 2596.	0-10 volts	\$5.52
No. 2597.	0-3 amps	
No. 2598.	0-15 volts	

No. 2599. 0-15 amps. List, each, \$7.50. NET. EACH

Thordarson Transmuting Equipment

PLATE SUPPLY TRANSFORMERS

Steel case crackle finish compound filled.



No. 7101. T2385 secondary 550 v. and 150 v. each side of center tap. Capacity 100 V.A. 55x5x8 in. high. Wt. 9 lbs. List, \$16.00. NET. **\$9.41**

No. 7102. T2387 secondary 100 v. and 150 v. each side of center tap. Capacity 300 V.A. 7 1/2x5 1/2x8 in. high. Wt. 29 lbs. List, \$22.00. NET. **\$12.44**

No. 7103. T2388 secondary 1500 v. and 2000 v. each side of center tap. Capacity 500 V.A. 7 1/2x6 1/2x8 1/2 in. high. Wt. 39 lbs. List, \$30.00. NET. **\$17.64**

No. 7104. T2389 1500 v. and 2000 v. each side of center tap. Capacity, 1000 V.A. 7 1/2x7x9 1/2 in. high. Wt. 40 lbs. List, \$40.00. NET. **\$23.52**

Filament Transformers

Completely shielded

No. 7047. T2180 secondary 5 v. center tapped. Cap. 15 V.A. 3 1/2x 2 1/2x3 1/2 in. high. Wt. 9 lbs. List, \$5.00. NET. **\$2.94**

No. 7048. T2230 secondary 7 1/2 v. center tapped. Cap. 35 V.A. 3 1/2x3 1/2x3 1/2 in. high. Wt. 4 lbs. List, \$7.50. NET. **\$4.41**

No. 7105. T2382 secondary 12 v. center tapped. Cap. 80 V.A. 3 1/2x3 1/2x3 1/2 in. high. Wt. 5 lbs. List, \$10.00. NET. **\$5.88**

No. 7106. T2383 12 v. center tapped. Cap. 175 V.A. 4 1/2x5x8 1/2 in. high. Wt. 12 lbs. List, \$15.00. NET. **\$8.82**

No. 7107. T2370 secondary 1.25. Cap. 20 V.A. 3 1/2x2 1/2x3 1/2 in. high. Wt. 3 lbs. List, \$5.00. NET. **\$2.94**

No. 7045. T2445 secondary No. 1; 1 1/2 v.—12 V.A.; secondary No. 2; 2.5 v. center tap—10 V.A.; secondary No. 3; 5 v. center tap—5 V.A. 2 1/2x3 1/2x1 1/2 in. high. Wt. 6 lbs. List, \$10.00. NET. **\$5.88**

No. 2029. R196 30 Henry 80 M.A. 1000 v. insulation. Shielded 2 1/2x3 1/2x3 in. high. Wt. 2 lbs. List, \$5.00. NET. **\$2.94**

No. 7109. T2553 6 Henry 150 M.A. 2000 v. insulation. Open frame. 3x3 1/2x3 1/2 in. high. Wt. 3 lbs. List, \$7.50. NET. **\$4.41**

No. 7110. T2071 30 Henry 150 M.A. 3000 v. insulation. Open frame. 2 1/2x3 1/2x3 in. high. Wt. 6 lbs. List, \$16.00. NET. **\$9.41**

No. 7111. T2027 30 Henry 300 M.A. 3000 v. insulation. Open frame. 5x3 1/2x3 1/2 in. high. Wt. 13 lbs. List, \$22.00. NET. **\$12.44**

No. 7112. T2073 30 Henry 50 M.A. 3000 v. insulation. Open frame. 4 1/2x3 1/2x9 1/2 in. high. Wt. 25 lbs. List, \$30.00. NET. **\$17.64**

Microphone Coupling Transformer

T1608. Designed to couple Kellogg or Western Electric broadcast microphone to amplifier. 2 1/2x2 1/2x3 in. Wt. 3 lbs. **\$10.58**

No. 7113. List, \$18.00. NET. **\$10.58**

T2357. Coupling transformer for single button microphone. 2 1/2x2 1/2x3 in. Wt. 3 lbs. **\$2.94**

No. 7114. List, \$5.00. NET. **\$2.94**

TOBE Transmitting Condensers



Especially designed for amateur transmitting purposes. High factor of safety. Individually tested for voltage safety and capacity and guaranteed within 5% of rated values. The larger sizes are fitted with brass binding posts—the smaller with heavy soldering lugs. Will hold their operating characteristics without variation. Wt. 10 oz.

1000 Volt Condensers
No. 1422. Cap. 1. List, **\$4.41**

No. 1423. Cap. 2. List, **6.17**

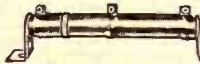
No. 1424. Cap. 3. List, **12.64**

2000 Volt Condensers
No. 1435. Cap. 1. List, **5.88**

No. 1436. Cap. 2. List, **10.58**

No. 1437. Cap. 3. List, **18.82**

TRANSMITTING GRID LEAKS



Wire wound upon a refractory tube, coated with fused vitreous enamel. Wt. 1 lb.

No. 4345. 5000 ohms, center tapped.	Up to 50 watts input.	List, \$2.08. NET. \$1.18
No. 4346. 5000 ohms, center tapped.	Up to 1000 watts input.	List, \$2.80. NET. \$1.96
No. 4347. 10,000 ohms, center tapped.	Up to 1000 watts input.	List, \$4.00. NET. \$2.35
No. 4348. 20,000 ohms, center tapped.	Up to 1,000 watts input.	List, \$4.25. NET. \$2.50
No. 4349. 15,000 ohms, tapped at 5000, 10,000 and 15,000 ohms.	Up to 1000 watts input.	List, \$6.00. NET. \$3.63

Small Standoff Insulators

Suitable for supporting wirings and instruments in transmitters or lead-ins. Glazed porcelain. 1 1/4 in. long, 1 1/4 in. high. Shipping weight, 8 oz. **12c**



PYREX INSULATORS

No. 6025. Does not absorb moisture. Mechanically strong. Length 3 in. Leakage path, 1/8 in. Strength 450 lbs. Weight, 8 oz. List, 45c. NET. **31c**

No. 6026. Length, 7 1/4 in. Leakage path, 6 in. Strength, 1,000 lbs. Wt. 1 1/4 lbs. List, \$1.15. NET. **\$1.15**

R.E.L. Type A Wavemeter

Range 17-550 Meters

A wave-meter is essential equipment for any amateur transmitting station. Particularly adapted for short wave receiving and sending stations and laboratory work. Enables you to check up on transmitting frequency and keep to zero proper wave length.

A very sensitive resonance indicating device is supplied with this wavemeter. Highly accurate. Totally shielded—not affected by outside influences. Retains accuracy permanently. \$16.50

Easy read, accurate curve charts are included. Shipping weight, 5 lbs.

No. 2761. List, \$22.00. NET. **\$16.50**



RADIO BOOKS AND ENCYCLOPEDIAS

1001 Radio Questions Answered



Every known Radio Hook-up and circuit is described in detail in this recently published volume. Practically all of the recent circuits and developments are fully covered, in a masterly way, and in such manner that the novice will experience no trouble in understanding the work. It is profusely illustrated with clearly printed diagrams, and full details of each circuit described. Wt., 1 lb.

No. 4303. Retail. 50c.
YOUR PRICE.....

32¢

Radio Encyclopedia



A complete radio reference work. Not a dictionary—an Encyclopedia covering every phase of radio transmission and reception, and allied subjects. Authentic. Contains 649 photographs, drawings, and diagrams. 168 pages describing all modern and old reliable circuits. Thoroughly explains all radio apparatus. Any one can understand it. Explains Radio from A to Z. Finely bound in beautiful gold stamped covers. Wt., 2 lbs.

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Television

Big book of detailed information on Television. Presents latest information, data, scientific facts about this new modern up-to-the-minute innovation in radio. Describes Television kit construction. Published by Conrad. This is the latest at a real price. Fully illustrated. Wt., 10 oz.

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List 50c

Net **32c**

Citizen's Radio Call Book

A complete review of new Radio Receivers and Circuits, with full details of each, giving lists, parts used, constructional data, and diagrams. Also contains complete list of Radio Stations with locations, wave lengths, etc. Wt., 1 lb.

No. 4311. Retail. 50c.
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150 Radio Hook-Ups

Gives diagrams, details, and hook-ups of all efficient circuits. Consists of 66 pages profusely illustrated. Written in a clear, concise manner. A fast seller. Wt., 10 oz.

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YOUR PRICE

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Radio News Superheterodyne Book

Fully describes the interesting Superheterodyne Theory, in non-technical language. Consists of 48 interesting illustrated pages; giving constructional details and diagrams. Highly recommended. Wt., 10 oz.

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YOUR PRICE

32¢

The Latest Radio Review and Listener's Guide

Offers a completely revised and up-to-date list of all Radio Broadcasting Stations, coupled with a review of all the more important radio circuits. Consists of 200 pages of valuable information and data with over 300 illustrations.

Wt., 1 lb.

No. 4304. Retail. 50c.

YOUR PRICE....

35¢

The Radio Troubleshooter



Finder

It is easy to locate troubles with this handy book. Trouble shooting and repair work is thor-

oughly covered with many practical short-cuts. Covers every detail of modern radio receivers. 47 illustrated pages. Every dealer and set owner should have a copy. Wt. 6 oz.

No. 4307. Retail. 25c.

YOUR PRICE

17¢

RADIO Up-to-the-Minute



A new revised edition of this famous volume. Describes fully the many new startling triumphs of radio research work. Explains in detail, with illustrations and diagrams, how to build all kinds of receiving sets.

Page size measures 5x7 1/4 in. Substantially bound in cloth covers. 402 pages profusely illustrated. Shpg. wt., 1 1/4 lbs.

No. 4317. Retail. \$1.25.

YOUR PRICE.....

93¢

How to Build a Modern Loud Speaker

Latest data on modern speakers. A complete treatise. Wt., 10 oz.

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RADIO HAND BOOK



Explains all recent developments in radio. 112 pages check full of diagrams, blue prints, and practical radio information. Wt., 1 lb.

No. 4309. Retail. 50c.

YOUR PRICE..

33¢

DRAKE Radio Encyclopedia



A complete, correct, and non-technical work. Comprising over 1500 articles alphabetically arranged, and 1000 definitions, terms, abbreviations, and symbols. Covers every type of radio in detail. Full instructions, as to construction, operation and repair are given. Measures 6 1/2 x 9 1/2 in. 870 pages, and illustrated with 950 illustrations and diagrams, all made especially for this book.

Contains 125 tables; graphic curves, and simplified formulas of useful information. Wt., 5 lbs.

No. 4318. Retail. \$6.00

YOUR PRICE.....

\$4.41

Baffle Boards

Designed for use with Dynamic and Magnetic cone reproducers, so as to prevent air waves on both sides of the cone from alternately neutralizing and re-inforcing each other, and thus interfering with efficient operation. Will accommodate cones with diameters of 8 in. Wt., 2 to 5 lbs.

No.	Size	YOUR PRICE
4670.	18x18	\$1.05
4671.	21x21	\$1.40
4672.	24x24	\$1.75
4673.	30x30	\$1.95



center-punch, socket wrench set for hexagon and knurled nuts; and 3 wrenches for hexagon nuts ranging from 1/4 to 1/2 in. Packed in attractive dark blue and gold cardboard case. Wt., 2 lbs.

No. 2474. List Price. \$3.00. **YOUR PRICE**

TOOL CHEST

Contains 10 practical tools, designed by men who knew what was exactly required for radio work. Contents consist of 3 and 5 in. screw drivers, scriber, reamer, counter-sink, pliers,

\$1.76

Tube Light Socket Aerial

A four purpose light socket aerial. Saves cost and trouble of outside aerial. Lightning arrester or ground, while permitting use of electrical outlet. Minimize static and sharpens tuning. Wt., 8 oz.

No. 4206. List. \$2.00. **YOUR PRICE.....**

\$1.18



Ellis Shortwave Plug-in Coils



Precision made coils to meet the requirements of short wave reception. Sold in sets for 20, 40 and 80 meter band with a mounting base. Covers 15 to 120 meters with .00014 condenser. Designed so that the primary coil is adjustable to a slide and swivel, assuring the elimination of dead spots in tuning. Wt., 2 lbs.

No. 2678. List. \$8.50. **YOUR PRICE..**

\$5.00

QUALITY AUDIO TRANSFORMERS

SHIELDED SPECIAL Audio Transformers

To meet the popular demand for a quality Audio Transformer at a popular price, the Shielded Special is offered. It is built to our exacting specifications, in one of the country's largest transformer plants. You will marvel at their wonderful tone and quality, and at their attractive appearance which adds a finishing touch to any sub-panel on which they may be mounted. They offer dependable quality at a modest price, and we are glad to recommend them to our dealers as an unusual value.

Genuine Silicon Steel Core

Highest grade Silicon Steel is used in the manufacture of the Shielded Special. The coils are thoroughly insulated enameled wire, vacuum impregnated, assuring long life and freedom from shorts. The attractively finished case is approximately 2 1/2 in. square. Finished in a glossy black enamel, with nickel trimmings. Nothing has been overlooked in the manufacture of the Shielded Special to make it one of the most unusual transformer values on the market today. Can be used in all standard kits, and is highly recommended as a replacement unit for use in repair work. Wt., 1 1/2 lbs.

Your Price Any Ratio

89¢

2 to 1 Ratio

No. 2102. A low ratio transformer for use where more than two stages of audio are employed. Retail \$4.00.

3 to 1 Ratio

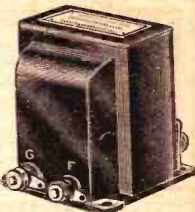
No. 2100. An all purpose ratio for use in all transformer coupled audio systems. Retail, \$4.00.

6 to 1 Ratio

No. 2101. A high ratio transformer for use in the first stage of transformer coupled audio systems. Retail, \$4.00.

Thordarson R-300 Audio Transformer

Thordarson's many years of transformer construction find their culmination in the new type R-300 Audio Transformers. Their excellent design, oversize construction in a ke their adaptability for use in all types of transformer coupled audio systems, where maximum volume plus unusual tone quality is desired. Wt., 3 lbs.



No. 1950. Retail \$9.00. YOUR PRICE...

\$4.70

Thordarson Audio Transformers

These are the famous Thordarson A and B Units used as standard equipment in many of the country's leading receivers. Their excellent characteristics have made them a favorite with both set builders and manufacturers alike. Wt. 2 lbs.



No. 2108. 3 1/2 to 1 ratio
No. 2109. 6 to 1 ratio
No. 2110. 2 to 1 ratio

YOUR PRICE
Retail \$4.00 **\$2.35**
4.50 **2.65**
5.00 **2.94**

All American Transformers

Nationally known for their efficiency. Fully shielded. The standard for years. Fully electrically shielded. Moisture proof. Wt. 1 lb.



No. 2002. 3-1 Ratio. **\$2.65**
List, \$4.50. YOUR PRICE.....

Rauland Lyric

No. 2004. Wt. 2 lbs. **\$4.41**
List, \$7.50. YOUR PRICE..

Thordarson Push Pull Audio Transformers

Input

A 1 to 1 ratio input unit for use in push-pull amplification. Provides exceedingly flat amplification curve. Wt. 3 lbs.



No. 1961. Type T-2408. Retail \$8.00. YOUR PRICE..... **\$4.70**

No. 1962. Type T-2922 input unit have 3 to 1 ratio. For use with 210 and 250-type power tubes. Retail \$12.00. YOUR PRICE..... **\$7.06**

Push Pull Output

A speaker coupling output transformer to 2 type 250 power tubes to a Dynamic Speaker. Wt. 3 1/2 lbs. No. 1963. Type T-2903. Retail \$12.00. YOUR PRICE... **\$7.06**

No. 1964. Type T-2629. Couples 2-210 tubes to Dynamic Speaker. Retail \$10.00. YOUR PRICE... **\$5.88**

No. 1965. Type T-2420 Output Choke for coupling 2 type 210 tubes into a high impedance speaker. Retail \$8.00. YOUR PRICE..... **\$4.70**

Push Pull Interstage

No. 1966. Type T-2973 for couple 2 stages of push-pull amplification. Ideal for power amplifiers. Prevents tube distortions. Ideal for 250 power tubes. Wt. 3 1/2 lbs. **\$7.06**
Retail, \$12.00. YOUR PRICE.....

Thordarson New "Z" Couplers

For use with the new Screen Grid Tubes. Has two exceedingly high impedance coils. One matches plate impedance of the Screen Grid Tube; the other is used in the grid circuit of the same tube. Also provides a coupling medium for screen grid audio amplification. One stage of Z coupled screen grid output provides an amplification of from 40 to 50 times the input voltage. Provides remarkable tone quality. Measures 3 1/2 x 3 1/2 x 3 1/2 in. Wt. each, 3 1/2 lbs. **\$7.06**
No. 1960. Retail, \$12.00. YOUR PRICE.....



Thordarson Autoformer

No. 2028. High quality impedance coupling. 3 stages are available. Wt. 2 1/2 lbs. Retail \$5.00. YOUR PRICE... **\$2.94**



Samson Famous Helical Wound Transformers

No. 2005. 6 to 1 Ratio. No. 2006. 3 to 1 Ratio. Retail \$5.00. YOUR PRICE **\$2.94**

No. 2007. Symphonic. Retail \$10.00. YOUR PRICE **\$5.88**

No. 2008. Symphonic Push-Pull. Retail, pair, \$19.50. YOUR PRICE **\$11.47**

No. 1972. Symphonic Interstage Push-Pull. Retail \$14.00. YOUR PRICE **\$8.23**

No. 1973. Symphonic for two type 210 tubes. Retail \$10.00. YOUR PRICE **\$5.88**

No. 1974. Symphonic for one 210, two 171, or two type 250 tubes. Retail \$10.00. YOUR PRICE **\$5.88**



THORDARSON SPECIAL SPEAKER COUPLING TRANSFORMERS



Protects the speaker windings against high plate current of power tubes. Wt. 2-3 1/2 lbs. No. 1967. Type R-76. Used in couplings output of 171 tube into high impedance speaker. Retail \$6.00. YOUR PRICE **\$3.53**

No. 1968. Type T-2876, similar to type R-76, but couples output of 210 tubes into high impedance speaker. Retail \$6.00. YOUR PRICE **\$3.53**

No. 1969. Type T-2901. Couples output of a single type 250 power tube into a high impedance speaker. Retail \$12.00. YOUR PRICE **\$7.06**

No. 1970. Type T-2902. Couples output of a single type 250 power tube into a Dynamic Speaker. Primary is matched to plate impedance of this tube. Retail \$12.00. YOUR PRICE **\$7.06**

No. 2029. Type 196 Choke. A 30 Henry Choke for "B" Eliminator Filter Circuits, and for output builder with 4 mfd. Condenser. Retail \$5.00. YOUR PRICE **\$2.94**

Replacement Transformer

A highly efficient, yet small and compact audio transformer, designed for replacement purposes. The windings are machine wound to assure accuracy, and are carefully balanced with the high grade Silicon Steel Core for maximum amplification without distortion.



Highly Efficient

This popular replacement transformer has special mounting feet so arranged that it can be mounted on practically any position. The entire transformer measures but 2 1/2 x 2 1/2 x 1 1/2 in., including brackets; and can be installed in any receiving set, either over or under the sub-base. This will supply the demand for a reliable, yet low priced, replacement audio transformer of this type. Wt., 1 1/2 lbs. No. 1371. A regular \$3.50 value. OUR SPECIAL PRICE TO YOU ONLY **\$2.85**

Audio Transformers and Chokes

Karas Harmonik



This is the famous all ratio transformer that is ionized transformer for design and construction. Reproduces high and low notes equally well without distortion. Fully shielded with plainly marked terminals. A high grade transformer at a reasonable price. Wt. 2 lbs.

No. 1043. All Ratio. Retail, \$5.00. YOUR PRICE

\$2.94

Karas New Audio



New improved transformers incorporating many refinements. Extreme flat curve results in true amplification of low and high frequencies alike. Weight, 3 lbs. No. 1986. 3 to 1 ratio. No. 1987. 2 to 1 ratio. List, each, \$4.00. NET, EACH

\$2.35

Karas Universal Audio

New, efficient, small audios. Low in price, but superior to most higher priced transformers. Recommended for replacement purposes. Low ratio. Wt. 2 lbs. No. 1988. Shielded. List \$3.00. NET. No. 1989. Unshielded. List \$2.25. NET

\$1.76
1.32

Knight Audio



The Knight Audio Transformers attain a new standard of excellence in tone quality and reproduction with the same efficiency over the entire band of audible frequencies.

The Knight is so designed that the primary and secondary coils constitute separate units and are mounted side by side in a closed core. Both core and coils are insulated and sealed against atmospheric conditions. Attractive metal cases with nickel trimmings and plainly marked terminals. An exceptional value. Wt., 2 lbs. No. 300. Retail, \$5.00 list. YOUR PRICE

\$1.40

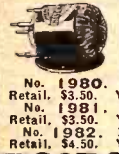
Acme Audio

New popular audio transformer, providing greater amplification with 1/2 out distortion. Practically equal amplification over entire scale. High primary impedance. Built to the famous Acme standards. 5 to 1 ratio. Wt. 2 lbs. No. 2010. Retail, \$6.00. YOUR PRICE



\$3.53

Hedgehog Audio Transformers



For use in portable sets and all receivers where space is limited. The smallest audio frequency transformers in size. Very efficient. High amplification. Wt. 1 lb. 5 to 1 Ratio. No. 1980. Retail, \$3.50. YOUR PRICE. No. 1981. 5 to 1 Ratio. Retail, \$3.50. YOUR PRICE. No. 1982. Retail, \$4.50. YOUR PRICE

\$1.98
1.98
2.59

Muter RF Choke Coils

A highly efficient RF choke, specified in many circuits. Combines RF currents to proper circuits. Prevents RF feedback through batteries and eliminators. Black molded bakelite case. Single hole mounting. Wt. 8 oz. No. 2032. Retail, \$1.00. YOUR PRICE



59c

Samson Choke Coils



Samson Choke Coils are well known for high efficiency and excellent design. Specified in many leading circuits. Wt. 6 oz. each. No. 2039. Type 3 audio choke. 3 1/2 Henrys. Retail, \$3.91. YOUR PRICE

No. 2042. Type 500 RF choke. 1/2 Henry. Retail, \$2.75. YOUR PRICE. No. 2041. Type 125 RF choke. 25 millihenrys. Retail, \$2.25. YOUR PRICE. No. 2040. Type 85 RF choke. 83 millihenrys. Retail, \$2.00. YOUR PRICE

\$1.91
\$1.62
\$1.32
\$1.16

Pilot Bakelite Case Audio Transformers

High grade audio units designed for super quality. Laminations and windings highest grade. Cases of genuine bakelite, thoroughly water-proof. Wt. 2 lbs. No. 1932. Type 390. 3 to 1 Ratio. Retail, \$2.75. YOUR PRICE. No. 1984. Type 391. 3 1/2 to 1 Ratio. Retail, \$2.75. YOUR PRICE. No. 1985. Type 392 Output coupling output to loud speaker. Retail, \$3.25. YOUR PRICE



\$1.62
\$1.62
\$1.91

Jefferson Star Audio Transformers

A small, compact, highly efficient transformer that supplies the demand for a good low priced audio unit. Known for electrical efficiency. Attractive metal case with nickel trimmings and plainly marked terminals. Impervious to climatic conditions. Measures 2 1/2 x 3 1/2 x 2 1/2 in. Splendid value. Wt. 1 lb. No. 2013. 3 to 1 Ratio. Retail, \$2.75. No. 2014. 5 to 1 Ratio. Retail, \$2.75. YOUR PRICE



\$1.62

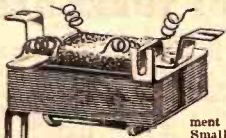
Jefferson Concertone Audio Transformers

The new concertone covers the entire audible scale of frequencies. Reproduces both high and low notes equally and faithfully. Fully sealed in a new designed metal case, unaffected by moisture or temperature. A real value at this low price. Wt. 4 lbs. No. 2015. All Ratio. Retail, \$6.00. YOUR PRICE



\$3.53

Jefferson Replacement Audio Transformers



A high grade audio transformer for use as a replacement unit. Small and compact. Can be installed in almost any receiving set, either over or under the sub-base. High grade silicon steel core provides maximum amplification without distortion. Measures only 2 1/2 x 3 1/2 x 1 1/2 in. Including brackets. Brackets are made so that transformer can be mounted in practically any position. Every service man and dealer should keep a quantity of these remarkable replacement units on hand. Wt. 1 lb. No. 2016. Retail, \$2.25. YOUR PRICE

\$1.32

New Silver Marshall Audio



No. 951. Type 223 Hi-Mu Audio. Used between CX 222 first stage screen grid tubes. Wt. 5 lbs. Retail, \$9.00. YOUR PRICE. No. 952. Type 225 First Stage Audio. Effective transformation ratio of 4.3 to 1. Wt. 5 lbs. Retail, \$9.00. YOUR PRICE. No. 953. Type 226 Second Stage Audio. Effective ratio of 3.5 to 1. Used with type 225 first stage. Retail, \$9.00. YOUR PRICE. No. 955. Type 255 First Stage Audio. Effective transformation ratio 4.2 to 1. Wt. 5 lbs. Retail, \$6.00. YOUR PRICE. No. 956. Type 256 Second Stage Audio. Like type 255 except used between first and second stage amplifiers. Used with type 255 unit. Wt. 5 lbs. Retail, \$6.00. YOUR PRICE. No. 954. Type 251 Out-put or Impedance. Used as a tone filter. Extra taps for 112, 212, 412 or 250 type tubes. Used as a plain or tapped choke. Wt. 5 lbs. Retail, \$6.00. YOUR PRICE

\$5.29
\$5.29
\$5.29
\$5.29
\$3.53
\$3.53

S-M Standard

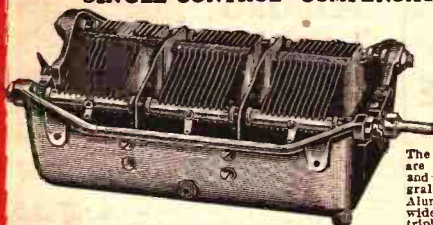


No. 1065. Standard Type 220. Audio. Wt. 4 1/2 lbs. Retail, \$8.00. YOUR PRICE. No. 1064. Type 221 Out-put. High grade filter used between power tube and loud speaker. Wt. 4 1/2 lbs. Retail, \$7.50. YOUR PRICE. No. 1066. Type 222 Out-put. Similar to type 221 above except has a phone tap jacks and 5 foot extension cord. Wt. 4 1/2 lbs. Retail, \$8.00. YOUR PRICE. No. 1064. Type 231 Push-pull In-put. Used with a variable ratio straight audio of 6 to 1 or 3 to 1 ratio. Wt. 5 lbs. Retail, \$10.00. YOUR PRICE. No. 1053. Type 231 Push-pull Out-put. Used with type 230 above in push-pull. Wt. 5 lbs. Retail, \$10.00. YOUR PRICE. No. 957. Type 242 Microphone. Used either in single or double button microphone or as a line in-put to power amplifiers. Wt. 5 lbs. Retail, \$7.00. YOUR PRICE. No. 958. Type 247 Filament. Supplies current to AC tubes, as 1. 105-120 v. 60 cycle primary; 2. 1 1/2 v. 4 to 5 amps. secondary; 1. 2 1/2 v. 3 1/2 amps. secondary; and 1. 5 v. 1 amp. secondary. Operates with 4 or 5, 250 tubes, 2, 227 tubes and 2 or 3, 112 or 171 tubes. Wt. 5 lbs. Retail, \$5.00. YOUR PRICE. No. 1067. Type 325 Step-down. Supplies 1 1/2 and 2 1/2 volts filament for AC tubes, and 5 and 7 1/2 volts for 112, 171, 210 or 250 tubes. Has center tapped 7 1/2 volt or 5 volt secondary, 3 amps. capacity. 1 1/2 volt secondary, 12 amps. capacity. 2 1/2 volts secondary, 12 amps. capacity. Wt. 5 lbs. Retail, \$8.00. YOUR PRICE

\$4.70
\$4.41
\$4.70
\$5.88
\$5.88
\$5.88
\$4.12
\$2.94
\$4.70

Triple Gang Duo Space Condenser

Die-Cast Frame Condenser SINGLE CONTROL-COMPENSATED



condensers are, without doubt, one of the greatest condenser values on the market today. Precise construction, wonderful design and perfect assembly. Found only in condensers at \$15.00 and \$20.00 list. Nothing spared in their construction. They have individual compensators for each unit attached conveniently to the side. Perfect bearings. Heavy shaft and ribbed bathtub—rigid construction.

No. 3 0 4 6.
Three - gang unit.
Ship. wt. 4 lbs.
List. \$15.00.
YOUR PRICE....

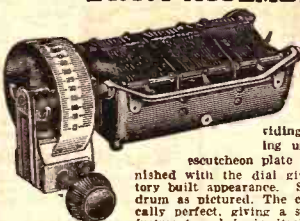
\$4.95

No. 3 0 4 7.
Four - gang unit.
Ship. wt. 5 lbs.
List. \$20.00.
YOUR PRICE....

The new bathtub aluminum base cast condenser is the latest in rigidity, accuracy and truest. A positive separation of stations over the entire broadcast band.

The rotors and stators are rigidly aligned and become an integral part of this unit. Aluminum plates widely spaced. These triple and four-gang units are rigidly aligned and become an integral part of this unit. Aluminum plates widely spaced. These triple and four-gang units are rigidly aligned and become an integral part of this unit.

TRIPLE CONDENSER AND DRUM ASSEMBLY



This offer is of the triple-gang condenser shown at the left, along with a high-grade assembly, providing a complete tuning unit. A beautiful escutcheon plate shown below furnished with the dial gives the set a factory built appearance. Sold complete with drum as pictured. The control is mechanically perfect, giving a smooth vernier adjustment and is in itself featured on the dial page of this book. No backlash, perfect drive, fully numbered and illuminated with scale.

Illuminated Drum

No. 3059. Price, complete with illuminated drum, bulb, including three-gang condenser pictured at left; a perfect tuning unit. Ship. wt. 6 lbs.
\$6.93
YOUR PRICE.....

HAMMARLUND JR.

Midget condenser of distinctive design and workmanship. It features a sturdy and simplified construction. One-hole mounting. Rotor plates may be fixed in any desired position. Soldered brass plates, cone bearings, bakelite dielectric. Complete, with knob.



Knob	Capacity	Retail	YOUR PRICE
No. 3094	16 mmfd.	\$1.50	\$0.88
3095	32 mmfd.	1.50	88
3096	56 mmfd.	1.75	1.03
3097	65 mmfd.	2.00	1.18
3060	100 mmfd.	2.25	1.32

DEJUR CONDENSERS

Accurate, matched, variable condensers. Low minimum capacity. Hardened bearings. Furnished in single, double and triple units.



No.	Capacity	List	YOUR PRICE
No. 3077.	.00011	\$3.00	\$1.76
No. 3078.	.00025	3.00	1.76
No. 3079.	.00035	3.25	1.91
No. 3080.	.0005	3.50	2.06

SINGLE CONDENSERS

Two and Three Gang Condensers

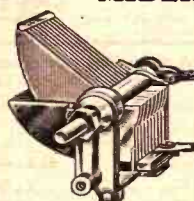


No.	Capacity	List	YOUR PRICE
No. 3081.	.00035	\$6.50	\$3.82
No. 3082.	.0005	7.00	4.12

TRIPLE CONDENSERS

No.	Capacity	List	YOUR PRICE
No. 3083.	.00035	\$9.75	\$5.73
No. 3084.	.0005	10.50	6.17

HAMMARLUND MIDLINE



A scientifically designed precision condenser. The specially shaped plates provide easy tuning on low waves. Adjustable ball bearing rotor shaft. Removable shaft permits ganging. Rugged and compact in design.

SINGLE CONDENSERS

No.	Capacity	List	YOUR PRICE
No. 3060.	.0005	\$5.50	\$3.23
No. 3061.	.00035	5.25	3.09
No. 3062.	.00025	5.00	2.94
No. 3063.	.00011	4.75	2.79

TWO GANG CONDENSERS

No.	Capacity	List	YOUR PRICE
No. 3064.	.00025	\$7.75	\$4.56
No. 3065.	.00035	8.75	5.14
No. 3066.	.0005	9.25	5.44

THREE GANG CONDENSERS

No.	Capacity	List	YOUR PRICE
No. 3067.	.00025	\$11.00	\$6.47
No. 3068.	.00035	13.00	7.64

REMLER TWIN ROTOR



New Remler single, double and triple condenser, 360° for greater separation. Welded corrugated plates. Double rotor. Genuine bakelite gear. Double and triple units have balancing condensers. Mounted on bakelite finished die-cast aluminum frame.

Specified for all the latest kits and circuits.

No.	Capacity	List	YOUR PRICE
No. 3100.	.00035 SLW		\$2.94
No. 3103.	.00035 SLF		2.94
No. 3101.	.0005 BLW		2.94
No. 3104.	.0005 SLF		2.94

Retain, \$5.00.
YOUR PRICE.....

\$7.06

Retain, \$12.00.
YOUR PRICE.....

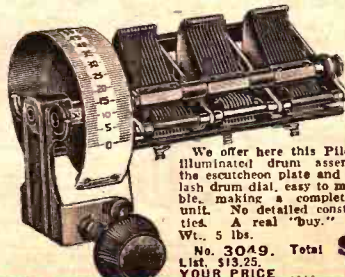
\$8.82

Retain, \$15.00.
YOUR PRICE.....

No.	Capacity	List	NET
No. 3051.	.00035	\$9.50	\$5.99
No. 3052.	.0005	10.00	5.88
No. 3053.	.00035	13.25	\$7.79
No. 3054.	.0005	14.00	8.23
No. 3055.	.00035	\$17.00	\$10.00
No. 3056.	.0005	18.00	10.59

PILOT THREE GANG PRECISION UNIT

The Pilot Three-Gang Condenser is a brass plate Precision unit with removable shaft, sturdily constructed. A clean, high-grade condenser unit. Accurately phased for single control circuits. Highly polished end plates. Extremely low losses. Very excellent. One of the feature condenser units. Wt. 3 lbs.



Pilot Unit with Illuminated Drum Dial

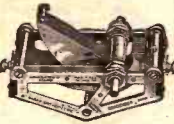
No. 3048. Three-gang condenser only, List \$11.00.
\$4.76
YOUR PRICE ..

We offer here this Pilot unit with an illuminated drum assembly, including the escutcheon plate and perfect no backlash drum dial, easy to mount and assemble, making a complete single-control unit. No detailed construction difficulties. A real "buy." Includes bulb. Wt. 5 lbs.
No. 3049. Total **\$6.74**
List, \$13.25.
YOUR PRICE

Variable Condensers of Quality

Karas Orthometric Condensers

Straight line frequency condensers sturdily and scientifically constructed. Brass plates. Karas high quality throughout. Wt., 2 lbs. No. Cap. List NET



No.	Cap.	List	NET
1038.	.00014	\$6.25	3.67
1037.	.00025	6.50	3.81
1041.	.00037	6.75	3.97
1040.	.0005	7.00	4.12
1036.	Cap. .00037, with extended shaft. List, \$6.75		3.97

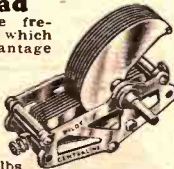
New Karas S. L. F. Condenser

Another Karas fine condenser. Removable shaft allows ganging. Subpanel, baseboard or single hole mounting. Wt. 1 1/4 lbs. No. Cap. List YOUR PRICE

No.	Cap.	List	YOUR PRICE
1048.	.00025	\$5.00	2.94
1047.	.00037	5.25	3.09
1046.	.0005	5.50	3.23

Pilot Centraline Capacigrad

A straight line frequency condenser which has proved to advantage in mechanical and electrical accuracy. Condensers may be ganged with coupling unit with a shaft extension at the rear. Hardened bearings. Wt. 2 lbs. No. Cap. List NET



No.	Cap.	List	NET
3036.	.00016	\$1.90	93c
3037.	.00025	2.10	1.05
3038.	.00035	2.30	1.15
3039.	.0005	2.50	1.22
No. 3040.	Coupling unit for ganging condensers. List, 45c.		25c

Pilot Midget



Well constructed, neat appearing. Intended for use as vernier adjustment in tuning condensers, for balancing and neutralizing adjustments and for oscillation control. Wt. & g. No. Cap. List NET

No.	Cap.	List	NET
3151.	.000015	\$0.90	53c
3152.	.000025	.90	53c
3153.	.00005	.95	56c
3154.	.0001	1.40	82c

CONDENSER SHAFTS

No.	Material	Length	EACH
3156.	Brass	8 in.	14c
3157.	Brass	12 in.	19c
3158.	Brass	16 in.	25c
3159.	Bakelite	8 in.	34c
3160.	Bakelite	12 in.	51c
3161.	Bakelite	16 in.	68c

Wt. Brass, 8 oz. Bakelite, 4 oz.

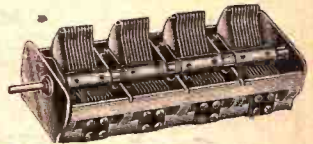
Flexible Insulated Coupling

Permits operation of any number of condensers in tandem without requiring exact alignment. Bakelite insulation. Bronze springs. Two sets screws. No. 3162. YOUR PRICE, EACH. **24c**

A New Multiple Condenser

ADJUSTABLE TENSION
Special set builders multiple gang condenser. Precision made. Accurately matched units housed in a heavy gauge formed metal frame. Rigidly and sturdily constructed. The plates are of special aluminum alloy, accurately stamped and spaced. Has excellent insulation with minimum dielectric—lowest losses.

Just the condenser for single control receivers having two or three stages of accurately matched tuned radio frequency amplification. Our special at a price far below the market. Superior to most apparatus at twice the price. True, accurate and efficient. Furnished in three and four gang units, each section .00035. Wt. 4 lbs.



No. 3163. Three Gang. List, \$10.00.
YOUR SPECIAL PRICE **3.45**
No. 3164. Four Gang. List, \$12.50.
YOUR SPECIAL PRICE **4.45**

Quaker Condensers

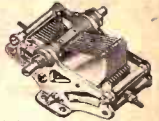
A sturdy condenser housed in a stamped aluminum frame. Hollow rotor permits mounting in gang formation or can be reversed so as to make a left hand or right hand turning. Rotor and stator plates of highly finished heavy brass, single hole mount design. Wt., 2 lbs.



No. 3165. .00025
3166. .00035
3167. .0005
List each, \$1.50.
YOUR PRICE **85c** each

New Pilot Condenser With Removable Shaft

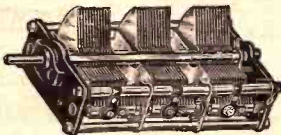
Conforming to Pilot high standards. A new straight line frequency condenser suitable for single hole or base mounting, with removable shaft. Double and triple condensers equipped with compensators. Wt., 2 to 3 lbs. No. List NET



No.	List	NET	
3168.	.00016	\$1.90	1.12
3169.	.00025	2.00	1.18
3170.	.00035	2.15	1.26
3171.	.0005	2.25	1.32
DOUBLE CONDENSER			
No. 3172.	.00035	List, \$4.00.	2.35
TRIPLE CONDENSER			
No. 3173.	.00035	List, \$6.00.	3.53

AMSCO CONDENSERS

STRAIGHT TUNING LINE



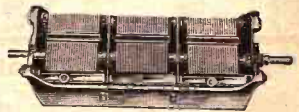
An expertly designed modified straight line frequency condenser. Allocates the stations on the dial with special consideration to those bands requiring generous tuning. Rugged construction. Electrically shielded. Wt., 2 to 3 lbs.

No. Single Units	List	NET
3085.	.00025 \$ 3.00	1.76
3086.	.00035 3.25	1.91
3087.	.0005 3.75	2.20
3088.	.00035 6.50	3.81
3089.	.0005 7.50	4.41
Triple Units		
3090.	.00035 9.75	5.73
3091.	.0005 11.25	6.61

Duo Space

A condenser designed to meet the stringent requirements of modern receivers. Wide spacing makes possible the matching of double, triple and quadruple units within narrow tolerances. May be mounted for drum or dial control. Single and double units with removable shaft. Wt., 2 to 3 lbs.

No. Single Unit	List	NET
3174.	.00014 \$ 4.00	2.35
3175.	.00025 4.25	2.50
3176.	.00035 4.50	2.65
3177.	.0005 5.50	3.23
Double Unit		
3178.	.00035 9.00	5.29
3179.	.0005 11.00	6.47
Triple Unit		
3180.	.00035 13.50	7.94
Quadruple Unit		
3181.	.00035 18.00	10.58



AMSCO S. L. F.

A precision constructed straight line frequency condenser. An aluminum frame, flexible piston connections, and rotor shaft of chromium nickel needle steel, assures efficiency and durability. Wt. 2 lbs.

No.	List	NET
3182.	.00014 \$3.50	2.06
3183.	.00025 2.75	1.62
3070.	.00035 3.00	1.76
3071.	.0005 3.50	2.06

The New Verrier Dials & Drums

Illuminated Drum Control

A Mechanical Masterpiece

A new drum dial—offering fundamental improvements in construction that overcomes all the shortcomings of the drums of the past. A new cable drive is employed that cannot get out of order. It permits placing the knob directly below the drum giving the finished panel a symmetrical appearance.

Smooth, Positive Ball-Bearing Drive

The smooth positive drive of this drum—its entire freedom from backlash slip, imparts a new enjoyment of fine vernier tuning. Illuminated from behind, the translucent calibrated dial strip is graduated 0-100 over a full 180° arc. Genuine ball bearing assembly.

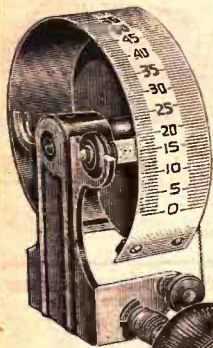
Provides Perfect Control

The substantial construction from the die cast frame to the smallest part used in its assembly is one of precision manufacture. Condenser can be mounted on either right or left hand side.

Beautiful Escutcheon Plate

Furnished complete with a beautifully etched and enameled panel of escutcheon, drilling template and a six volt bulb for illumination.

\$1.98



A Regular \$6.00 Value

Ordinarily this dial would actually cost three to four times the price we ask. Our large sales volume has brought the price down to a minimum. Wt. 3 lbs. No. 2243. **YOUR PRICE ONLY** With bulb.

Marco Bakelite Dials



An attractive, yet economical dial of black bakelite with heavily nickle-plated fittings. Provides "sure" and accurate tuning. Good for sets where the listener enjoys dialing. Marco has long been the popular and accepted standard

of experimenters and short wave operators. 4 inches in diameter. Template. Easily mounted. Wt. 3 oz.
 No. 1911. 0-100 } **List. \$2.00**
 No. 1912. 100-0 } **YOUR PRICE 58c**
 No. 1913. Illuminated 0-100 — 100-0. Wt. 1 lb. } **List. \$2.50**
 No. 1914. Illuminated 0-200- } **YOUR PRICE \$1.47**
 360 deg.

The New B.M.S. Diamond Vernier Dial

A well designed dial of unusually fine artistic appearance. Antique metal finish. Dual reading for right hand drive or left hand drive condensers. Makes tuning easier. Simple to install on any set. Wt. 8 oz.



No. 2223. **List. \$5.90**
1.00. YOUR PRICE 59c

Remler Drum Dial



An innovation in Drum Dial construction. Dial may be used with either gang or single condensers. No backlash of any nature. Dependable tuning. Dept. required back of panel only 5 inches. Mounting template and extra calibration strip with each dial. Wt. 3 lbs.

No. 1901. **List. \$4.50.**
YOUR PRICE \$2.65

The New Silver-Marshall Drum Dial

A precision dial that provides a easy tuning. Standard S-M quality. Artistic Gold Etched scale, complete with walnut knob, but without panel window. Wt. 3 lbs.



No. 1906. Left Hand Drive, No. 1907. Right Hand Drive. **Retail, \$2.50.**
YOUR PRICE \$1.47

Drum Dial Window

No. 1908. Window for above dial. Attractive Antique Brass finish. Wt. 3 oz. **Retail, 50c.**
YOUR PRICE 29c

Single Control Escutcheon

No. 1909. Control panel for one dial. Combines volume control, on-off switch, and sensitivity control. Size, 6 1/4 x 8 in. Wt. 9 oz. **Retail \$3.25.**
YOUR PRICE \$1.32

Dual Control Escutcheon

No. 1910. Control panel for two dials and two auxiliary controls. Measures 6 1/4 x 8 3/4 in. Antique Brass finish. Wt. 9 oz. **Retail, \$2.75.**
YOUR PRICE \$1.62

Remler Equalizer Control

A special arrangement of Remler Drum Dial Controls. Condensers placed on both sides of drum. Exceptionally fine vernier action. Used to advantage with Remler S.L.W. single condensers. Wt. 2 lbs. No. 1902. No. 112 Control. **List. \$5.50.**
YOUR PRICE \$3.23



Escutcheon Plates

No.	List	YOUR PRICE
1903. Single Plate.....	\$1.75	\$1.03
1904. Double Plate.....	2.50	1.47
1905. Triple Plate.....	5.00	2.94

National Dials



The most popular dial of this type. Provided with the unique variable ratio feature. With no gears. It is a "low-loss" dial and has no troublesome backlash or slip. Comes in two types. Type "B" without lamp. Type "C" with lamp. Wt. 1 lb.

Type B Nickel
 No. 3008. Clockwise 200 to 0.
 No. 3009. Counter clockwise 0-200.
 No. 3010. Dual, 0-100-0. **List Price, \$2.50 each.**
YOUR PRICE \$1.47

Type C Nickel with Lamp
 No. 3011. Clockwise.
 No. 3012. Counter clockwise.
 No. 3013. Dual.
List Price, \$5.00 each.
YOUR PRICE \$1.76

PILOT ART DIAL

A new dual reading dial for clockwise or counter clockwise condensers. Of beautiful molded bakelite. It makes any set panel attractive and gives it a commercial appearance. Wt. 12 oz.

No. 2234. **List. 95c.**
YOUR PRICE 56c



The New National Drum



The Drum Dial that set builders and fans have long expected would be produced. The same velvety smoothness that has characterized all former types. An automatic spring takeup assures positive drive at all times. Template furnished with each dial. The escutcheon plate adds to beauty of set. A concealed 6 volt lamp may be attached to light dial. Wt. 1 lb.

No. 1928. **List, \$4.00.**
YOUR PRICE \$2.35

New Pilot Illuminated Drum

Electrically, mechanically and artistically the New Pilot knob control type drum dial is a real winner. Metal-to-bakelite drive is a combination which actually improves with use. Attractive plate design enhances any set panel. Walnut knob. Wt. 1 1/4 lbs.

COMPLETE WITH LAMP
 No. 1915. Single drum with bulb. **List, \$3.25.**
YOUR PRICE \$1.90

No. 1916. Double illuminated drum with bulb. Wt. 2 lbs. **List, \$5.75.**
YOUR PRICE \$3.35



The Season's Finest in Drums, Dials & Knobs

PILOT ILLUMINATED DIAL

Illuminated vernier dial. Friction drive. No backlash. Translucent scale using small midget lamp for illumination through window of attractive gracefully designed bronze escutcheon plate. Wt., 1 lb. No. 1917. List, \$2.15. YOUR PRICE, with bulb.



\$1.25

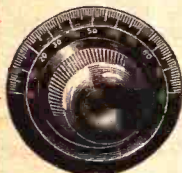
Tyrman Drums



New Tyrman Single and Double vernier drum dials. Illuminated from behind translucent scale by miniature lamp. New attractive deep drawn escutcheon plates. Wt., 4 lbs.

No. 2245. Single. List \$8.00. NET **\$4.70**
No. 2244. Double. List \$12.00. NET **\$7.05**

Genuine Bakelite Dials



Genuine molded Bakelite. Beautifully finished tapered milled knob, just fits the fingers. Deeply etched. Enamelled calibrations accurately and sharply made.

All dials matched. An extraordinary and wonderful value at our special price. For 3/4 in. shaft. Has long set screw. Wt., 6 oz.

No. 2246. Black, 2 in. **15c**
No. 2247. Mahogany, 2 in. **15c**
No. 2248. Black, 3 in. **19c**
No. 2249. Mahogany, 3 in. **19c**
No. 2250. Black, 4 in. **22c**
No. 2251. Mahogany, 4 in. **22c**

Kurz-Kasch Vernier Dial

The Kurz-Kasch Dials have well earned the name "Aristocrat of Dial." This new black, highly polished bakelite vernier dial is novel and beautiful in design. The vernier action is smooth and the reduction high, enabling extremely fine tuning. The popular friction method of reduction is employed, thus the movement is smooth without play or backlash. Popular, beautiful and efficient. Easily mounted to any set. Wt., 6 oz.



No. 2229. 200 to 0. LIST PRICE \$2.00
No. 2230. 0 to 200.
No. 2231. 100-0-100.

\$1.18

YOUR PRICE \$1.20 Less 2%.....



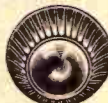
New K-K Miniature Port Dials

New Miniature dial same as above except it is 3 in. in diameter. Beautiful with a fine working vernier. A real value. Wt., 6 oz. No. 1918. List, \$1.25. YOUR PRICE

73c

BAKELITE KNOBS

Beautiful Bakelite. Walnut and black tapered knobs. Large size for central control. Small size for rheostat, switch or volume control. The latest type. Wt., 2 oz.



No. 1919. Large Size (1 3/4"). NET **15c**
No. 1920. Small Size (1 1/4"). NET **10c**

BAKELITE POINTER KNOBS

Genuine Bakelite molded with pointer. Finely tapered and milled knob. Fits 3/4 in. shaft. Pointer gracefully tapered and gold etched. Exceptional value. 2 3/4 in. diameter with 1/2 in.



BLACK No. 2252. **15c**
MAHOGANY No. 2253. **17c**

PILOT VERNIER DRUM

New drum dials attractive in appearance. Provide high and low ratio vernier action for fine tuning. Easy to attach with any condensers. Smooth action, no backlash. Condensers can be mounted on both sides of drum. Furnished with beautiful escutcheon plate. Wt., 2 lbs.



No. 2236. Single Drum. List, \$4.00. YOUR PRICE **\$2.35**
No. 2237. Double Drum. List, \$7.00. PRICE **\$4.10**

BAKELITE VERNIER KNOB

No. 2255. Genuine Bakelite finely milled, highly polished vernier knob. Provides ease of micrometric vernier control with sets having etched panels. Adaptable for use with the etched dial plate illustrated. Wt. 3 oz. List, 50c. NET



25c

Marco Illuminated Drum



Marco's latest product. Wire drive on drum. No backlash. An almost perfect mechanical job. Smooth running and finely finished. Easily mounted. The dial is numbered on both sides. A wonderful value. No worms or gears. Wt., 1 lb.

No. 1921. List, \$3.50. YOUR PRICE **\$2.06**

Rheostat Knob

Genuine molded Bakelite rheostat knob with etched arrow pointer. Finely finished and polished. Finishes off the appearance of any panel. Wt., 2 oz.



Black No. 2227. **12c**
Mahogany No. 2228. **12c**

BAKELITE POINTER RHEOSTAT KNOB

Genuine Bakelite finely finished small pointer knob for rheostat or oscillation control. The pointer is gold etched and the knob is finely tapered and milled. Improves set's appearance. Wt., 2 oz.



Black No. 2225. **15c**
Mahogany No. 2226. **17c**

Marco Illuminated Vernier Dial

With exception of the small knob and window, the entire dial is mounted behind the panel. The calibrated scale is translucent. A small light is mounted behind scale, illuminating it through the window.

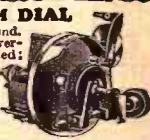
No. B2259. 0 to 100.
No. B2260. 100 to 0.
No. B2261. Marco 360°.

Illuminated For Remler condensers. Wt., 1 lb. List Price, \$3.00. YOUR PRICE **\$1.76**



HAMMERLUND DRUM DIAL

The latest product of Hammerlund. Beautiful escutcheon plate. Fine vernier, new style drive. Illuminated; a wonderful product. Priced without bulb. Wt., 2 lbs.



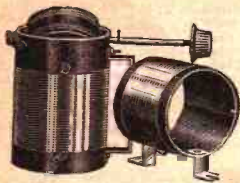
No. 2254. List, \$4.00. YOUR PRICE **\$2.35**

REPLACEMENT BULBS

No. 2266. Tiny Mazda lamps for all types illuminated vernier and drum dials. Also for Pilot Lites and Switches. Works off 6-volt battery. YOUR PRICE **15c**

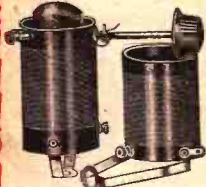
The New Low Loss Coils, Tuners & Chokes

Browning Drake Coils



Standard size Browning Drake transformer and antenna coil. Enamelled wire wound. Tuned with .00035 and .0005 condensers. Range, 200-550 meters. Wt. 9 oz. No. 2302. List \$6.00. **YOUR PRICE \$2.20**

Small Browning Drake Small Space Wound Coils



Improved 2 inch space wound coils. Has slot-wound primary. Secondary tuned with .00033 Mfd. Condensers. Antenna coil tuned with .0005 Condenser. Enamelled wire makes for durability and dependable operation regardless of atmosphere. Wt. 8 oz. No. 2661. List \$5.50. **YOUR PRICE \$3.23**

Screen Grid Shielded Plug-In Coils

For 222 Tubes



A new type of plug-in coil for either A-C or battery operated sets. When these coils are properly placed in the recommended circuit no other shielding is necessary to suppress oscillation. Used with .00035 condenser and covers the usual 200-550 meter band. Wt. 1 1/2 lbs. No. 2664. List per Set, \$12.00. **YOUR PRICE \$7.05**

Shield Grid Tuner

Designed for sets in which a type 222 tube is employed for R. F. Amplification, followed by a regenerative detector. Wt. 8 oz.

No. 2665. List, \$1.75. **YOUR PRICE \$1.03**

Selecto Three Circuit Tuner

A 90 degree three circuit tuner. Being specified in many high-efficiency broadcast circuits. Basket weave—low loss. Covers usual 200-550 meters and tunes to .0005 variable tuning condenser. Packed individually. Wt. 14 oz. No. 2311. List Price, \$1.75. **YOUR PRICE 98c**

Shielded Plug-In Coils

A kit of three shielded plug-in R. F. coils designed for use with the new type 226 A.C. tubes. Will cover the wave band of 200 to 550 meters when tuned with a .00035 condenser. Scientific means of shielding assures the elimination of practically all oscillations. Wt. 2 lbs. 2 oz. No. 2669. List per Set, \$6.00. **YOUR PRICE \$3.52**



Three Circuit Tuner

A highly accurate tuner. Bakelite-Duco Blue finish. Range 200-570 meters. Tunes with .0005 condensers. Wt. 15 oz. No. 2670. List, \$1.25. **YOUR PRICE .73c**

RF Coil to Match Short Wave Tuner

Low loss three circuit tuner. Tuned with .0005 condenser. Well suited for short wave kit. Wt. 12 oz. No. 2305. List Price, \$2.00. **YOUR PRICE \$1.09**

Basket Weave Coils

Low loss self supported coils for radio frequency circuits. Mini-mized distributed capacitor. Color coded. For use with .00035 condenser. Wt. 14 oz. No. 2312. Set of three Coils. **YOUR PRICE 94c**

Uncle Sam Double Rotor Tuner



A Variable Tuner with two rotors, one of which is a variable primary for any degree of selectivity. The second rotor is a variable Hickler coil for regeneration. Tune with .0005 condenser. No. 2662. Wt. 1 lb. List \$5.00. **YOUR PRICE \$2.35**

Benjamin Lekeless



Of basket weave type construction, space wound by special process. Adaptable for use with any tubes including the Double green silk covered. Used with .00035 S. L. F. Condensers. Wt. 1 lb. 5 oz. No. 2667. List \$2.50. **YOUR PRICE \$1.47**

Bodine Twin 8



An efficient coil for R. F. circuits where it is desired to easily control oscillation. Extremely low loss. Technically, the magnetic field is concentrated almost entirely within the coil itself. See magazines for its many uses. Wt. 1 lb. No. 2672. List Price, \$2.00. **YOUR PRICE \$1.18**

Low Loss Tuner

A good 190 degree Low Loss Tuner, silk wire wound. A tuner that experimenters and home set builders will prefer. Packed individually. Wt. 14 oz. No. 2673. List, \$1.90. **YOUR PRICE 95c**

R. F. Choke Coil

A standard grade coil for general use wherever a quality choke is specified. Electrically correct. Accurate. Wt. 8 oz. No. 2666. List 90c. **YOUR PRICE 53c**



Short Wave Choke



A characteristically efficient choke coil for the short wave sets. Accurate and dependable. Built for durability and results. Wt. 8 oz. No. 2668. List, 90c. **YOUR PRICE 53c**

Short Wave Converter Plug



The short-wave plug all amateurs or experimenters will need with their new sets. Ruggedly constructed to withstand all normal requirements. Wt. 8 oz. No. 2674. List 80c. **YOUR PRICE 47c**

R. F. Choke

A sturdily constructed choke, entirely encased, making it air and moisture proof. Back panel mounting. Convenient binding posts simplify wiring. Wt. 8 oz. No. 2675. List Price, 75c. **YOUR PRICE 44c**

Air King Short Wave Coil Kit



The new Air King Short Wave Kit consists of three plug-in coils ranging from 15 to 130 meters (when tuned with .00014 condensers), and a plug-in base with variable primary. Each coil accurately space-wound on a bakelite squirrel case form, with ribbon connection assured by double contact between coil prongs and the jack in the base. Wt. 12 oz. No. 2663. List, per Set, \$12.50. **YOUR PRICE \$2.20**

Short Wave Plug-In Coils

A set of four coils which make possible reception on all wave lengths between 16 and 210 meters. Tuned with .00015 condensers. The coils are wound on moulded bakelite forms, with a standard UX type tube socket as base. The windings are properly spaced for low resistance operation at high frequencies. Low-loss construction. Wt. 8 oz. No. 2676. List per Set, \$3.50. **YOUR PRICE \$2.06**



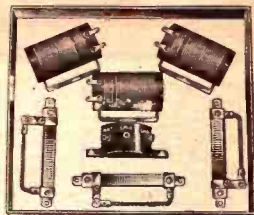


Space Wound Plug-In Coils

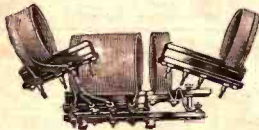
Tuning inductances that are decidedly different both in design and efficiency. Most simple coil on market to install. Merely plugs into ordinary TX type socket. Positive contacts insure good results. Tunes with .00035 Condenser. Furnished in Matched sets of three. Wt. 1 lb. **\$1.18**
 No. 2272. List Price, \$2.00.
YOUR PRICE... Per Set

Six Tube Coil Set With Antenna Inductance

A high grade T. R. F. C-tube essential Kit, consisting of 3 Bakelite Space Wound and Threaded Coils, 3 Variable grid suppressors 0-1000 Ohms, 1 Antenna Inductance, and wiring data. With a few additional parts you have an economical assembly for an efficient 6-tube set. All parts of latest design—a Kit for home set builders and experimenters. Requires 3 .00035 condensers or 1 3-gang condenser. **\$2.94**
 Wt., 1 lb.
 No. 2655. List \$5.00. **YOUR PRICE**



Short Wave Coil Kit



Set of 3 interchangeable low loss short wave coils, complete with base. 20 to 250 meters. Tunes with one .00014 or .00017 and one .00035 condenser. Wt. 1 lb. **\$3.50**
 No. 1158. **YOUR PRICE**.....
 Plug-In Coil. 250-550 meters. Interchangeable with above short wave coils. Covers broadcast range. Wt. 8 oz. **\$1.15**
 No. 1159. **YOUR PRICE**.....

Midget Solenoid Coils

Efficient high grade coils. Good for any circuit where accurate R. F. coils are required. May be used on single or multi-gang condensers for simplification of panel layout. Tunes with .00035 tuning condensers. Wt. 12 oz.

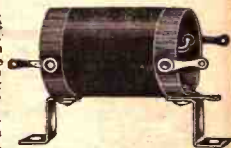


No. 2271. List \$1.00. Set of Three. **YOUR PRICE**.....

59c

Space Wound R. F. Coils

Accurate R. F. Coils of the efficient space wound type. Enamelled wire on bakelite tubing make for low loss. May be used with multi-gang condensers for single dial control or regular separate condensers. Tuned with .00035 condenser. Wt. 6 oz.



No. 2314. List, each, \$1.00.
YOUR PRICE.....

40c

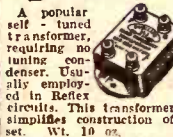
No. 2315. List, Sets of 3, \$3.00. **\$1.20**
YOUR PRICE.....

Bruno 99 Tuner and R. F. Coil



"Diamond of the Air" and other similar kits require this type of coil. Engineers have perfected these coils and they are completely matched for maximum efficiency. Tuner used in any circuit where 3-circuit tuner is required. Tunes with .0005 condenser. Wt. 8 oz.
 No. 2282. No. 99 Tuner (left). List Price, \$5.50.
YOUR PRICE..... **\$3.22**
 No. 2283 R. F. Coil (right). List Price, \$3.00.
YOUR PRICE..... **\$1.76**

Dubilier R. F. Duratran



A popular self-tuned transformer, requiring no tuning condenser. Usually employed in Reflex circuits. This transformer simplifies construction of set. Wt. 10 oz.
 No. 2115. List \$4.00.
YOUR PRICE **\$2.35**

Acme R. F. Transformers



A quality self-tuned transformer of good design with conveniently located binding posts. Used generally in R. F. and Reflex sets. Wt. 12 oz.
 No. 2116. R-2 1st stage.
 2117. R-3 2nd stage.
 2118. R-4 3rd stage.
 List \$3.00. **\$1.76**
YOUR PRICE

Antenna Inductance

No. 2652. A new Antenna Inductance for first RF stage in single control circuits to compensate for antenna variations.



List Price, 75c. **YOUR PRICE**..... **44c**

Honeycomb Coils

Exceedingly popular for long and short-wave reception. Fit standard mountings. Low distributed capacity. Wt. 4 to 16 oz.



No.	Price. Unmounted	No. of Turns	Wavelength Range	Price. Mounted
2284	\$0.25	25	120-530	2283 \$0.68
2285	.30	35	115-450	2284 .70
2286	.31	50	250-720	2285 .75
2287	.35	75	390-910	2286 .75
2288	.40	100	500-1350	2287 .79
2289	.45	150	600-2000	2288 .81
2290	.80	1,000	4,000-10,000	2289 1.25
2291	1.33	1,250	9,750-19,500	2300 1.80
2292	1.55	1,500	14,500-26,500	2301 1.90

DeForest Coil Mounting



Mountings for popular honeycomb coils. Molded bakelite. Low loss. Ex experimenters and amateurs choice.
 No. 2279. 3 Coil Mtg. List \$5.00.
 No. 2280. 2 Coil Mtg. List \$3.50.
 No. 2281. Inside Coil Mounting.
 List Price, \$6.00. **\$1.40**
YOUR PRICE.....

Fibre Coil Strap

Used for mounting honeycomb coils in connection with standard coil plug. Two foot length.
 No. 2399. **YOUR PRICE**..... **8c**

Honeycomb Coil Plug



A superior moulded plug that fits all standard mountings for honeycomb coils. For base or usual mounting.
 Wt. 6 oz.
 No. 2398. **YOUR PRICE**..... **25c**

Low Loss Tuner



A low priced high efficiency tuner for all set builders and experimenters. A 180 degree three-circuit tuner with coils wound of green silk-covered wire. Covers 200-550 meters and tunes with .00035 variable tuning condenser. Wt., 1 lb.
 No. 2653. Tuner List, **\$1.03**
 \$1.90. **YOUR PRICE**.....
 No. 2654. R.F. Coil to Match Tuner. List, \$1.50. **YOUR PRICE**..... **73c**



Short Wave Plug-In Coils



A new idea in Plug-In Coils that is approved by leading short wave reception authorities. They plug into an ordinary 5 prong socket and make perfect contact. Use only small space for installation, since the dimensions of each coil are but 1 1/2 inches in diameter and 2 1/2 inches high. Losses reduced to a minimum by accurate winding on a ribbed form of genuine bakelite. Each coil fitted with a different colored bakelite ring permitting ready identification of the different wave lengths. Set consists of five coils covering a meter range of 17 to 30, 30 to 52, 48 to 105, 73 to 202 and 200 to 500 meters.
 Wt., 1 1/2 lbs.
 No. 2656. List per set \$8.50.
YOUR PRICE..... **\$4.85**

Sockets and Tube Shields



Bakelite UX Socket

A high grade socket of genuine moulded bakelite. Small and compact—a favorite where space is at a premium. Contacts are phosphor bronze, heavily tinned. Contact springs are firmly riveted into the base.

Positive Side Wiping Contacts. These sockets are adaptable for sub panel mounting. One of the finest sockets on the market today. Their low price should not be confused with their quality. **Wt. 4 oz.**

No. 2201. List. 50c. YOUR PRICE..... 13c

Five Prong Socket for A. C. Tubes

The same in design as the standard UX socket above, but accommodates the new five prong A.C. tubes. An exceptional value. **Wt. 4 oz.**

No. 2202. List. 75c. YOUR PRICE..... 22c

Tube Shields for UX 222 Tubes



Tubes

No. 2611. These shields are the result of careful experimenting to produce a practical shield that can be used with these sensitive tubes in practically any circuit. The low price should not be confused with their quality. Nothing has been spared to make them the finest on the market. **Wt. 5 oz. List. 75c.**

YOUR PRICE... 35c

New Eby UX Socket



No. 2612. Eby sockets can be mounted above or below sub panel. Genuine molded bakelite with built in guide for tube prongs. Phosphor bronze contacts.

Attractive in appearance. **Wt. 4 oz. List. 40c. YOUR PRICE..... 24c**

No. 2613. For A.C. Tubes. Similar to the Eby socket listed above except for five prong A.C. Tubes. Wt. 4 oz. List. 50c. YOUR PRICE..... 29c

Universal Socket



No. 2204. A high grade quality socket for UV or UX six volt tubes. Phosphor bronze spring contacts. Attractively finished with highly nickel plated terminals. **Wt. 4 oz. List. 60c.**

YOUR PRICE..... 22c

Carter Tube Shields



Designed for the new type 322 shieldgrid tube. The shield covers entire tube including the base. Top of tube shield is removable for sliding the connector on the grid terminal of the tube. Built to the famous Carter standard of quality. **Wt. 5 oz. List. \$1.50.**

No. 2614. Tube Shield only. YOUR PRICE... 88c

No. 2615. Adapter Ring. For use with the tube shield. Fits over socket and provides a firm base for the shield. **Wt. 3 oz. List. 35c. YOUR PRICE..... 21c**

No. 2616. Connector with Shielded Wire. Consists of connector for shield element of the Carter tube shield. **Wt. 3 oz. List. 50c. YOUR PRICE..... 29c**

Sub Panel Sockets



Extra Heavy Spring
No. 2617. For quantity users this special job is highly recommended. Sturdy construction. Extra heavy springs insure positive contact. So designed that they cannot get out of order—a feature which set builders will appreciate. For all types of UX tubes. **Wt. 4 oz. List. 50c. YOUR PRICE..... 9c**

No. 2618. For A.C. Tubes. Same as socket listed above except for five prong A.C. tubes. A real value. **Wt. 4 oz. List. 65c. YOUR PRICE..... 9c**



DeJur UX Socket

Shock-Proof

No. 2601. A high grade genuine moulded bakelite socket, combining good appearance with high electrical efficiency. Spring suspension avoids microphone howls. **Wt. 4 oz.**

List. 50c. YOUR PRICE..... 29c

UY Socket for A. C. Tubes

No. 2602. Same construction as the shock-proof socket above; has five holes to take new A.C. tubes. **Wt. 4 oz.**

List. 75c. YOUR PRICE..... 44c

Benjamin UX Sockets



Cushion Type

Standard spring suspended Benjamin sockets. These are sockets that are specified in practically all of the new kits. Nationally known and advertised. **Wt. 4 oz.**

No. 2210. List. 75c. YOUR PRICE..... 44c

No. 2211. 201A Type. List. \$1.00. YOUR PRICE..... 59c

Benjamin UY Socket

No. 2213. Standard. For 5 prong A.C. tubes. **Wt. 4 oz. List. \$1.00. YOUR PRICE..... 59c**

Benjamin Sub Panel Sockets



These sockets are furnished without base for direct sub panel mounting. Standard, Benjamin quality throughout. **Wt. 3 oz.**

No. 2206. For 1/4 in. panel. List. 50c. YOUR PRICE..... 29c

No. 2207. For 3/8 in. panel. List. 50c. YOUR PRICE..... 29c

No. 2208. Five prong sub panel socket for new A.C. tubes, for either 1/4 in. or 3/8 in. panel. Wt. 3 oz. List. 75c. YOUR PRICE..... 44c

Amisco Floating Socket



No. 2214. A rugged, sturdy, yet delicately balanced floating socket providing perfect isolation from mechanical shock. Heavy phosphor bronze contacts. Body of molded bakelite attractively finished in mottled green. **Wt. 4 oz. List. 65c.**

YOUR PRICE..... 38c

Amisco Plain Sockets

No. 2603. A universal socket for all tubes having UX and CX bases. Contacts are heavy phosphor bronze springs. Mounts with only one screw. **Wt. 4 oz. List. 35c.**

YOUR PRICE..... 21c



Frost UX Sockets

No. 2215. An efficient socket with Germanium springs which make contact over practically the entire length of the tube prongs. Genuine molded black bakelite. **Wt. 4 oz.**

highly polished. **Wt. 4 oz. List. 40c. YOUR PRICE..... 24c**

The Popular Socket

Frost Sub Panel Sockets
No. 2217. For mounting to sub base. **Wt. 4 oz. List. 40c. YOUR PRICE..... 24c**

Set Builders' Socket

Na-ald Sockets



Perfectly cushioned socket providing free motion in all directions. Positive phosphor bronze triple locked contacts. Genuine molded bakelite body. **Wt. 4 oz. List. 65c.**

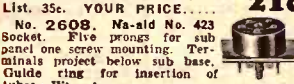
YOUR PRICE..... 38c

No. 2605. Na-ald No. 427 Socket. For 5 prong tubes. **Wt. 4 oz. List. 50c. YOUR PRICE..... 29c**

No. 2606. Na-ald No. 426 Socket. For all types UX tubes. Has ring guide for inserting tubes. **Wt. 4 oz. List. 50c. YOUR PRICE..... 29c**

No. 2607. Na-ald No. 422 Socket. For sub panel mounting. Only one screw used. Positive contacts. **Wt. 4 oz. List. 35c. YOUR PRICE..... 21c**

No. 2608. Na-ald No. 423 Socket. Five prongs for sub panel one screw mounting. Terminals project below sub panel. Guide ring for insertion of tubes. **Wt. 4 oz. List. 35c. YOUR PRICE..... 21c**



Pilot UX Sockets
No. 2609. A spring suspended socket mounted on four especially tempered phosphor bronze springs which eliminates all vibration. For standard UX and UV tubes. **Wt. 4 oz. List, each 50c. YOUR PRICE..... 29c**

Shock-Proof



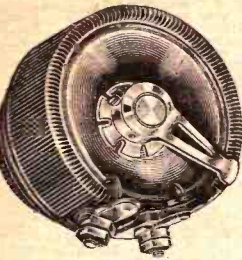
Braxton-King Tube Shields

No. 2610. Braxton-King tube shields are highly recommended for use with the new shieldgrid tubes. These shields are well designed, efficient and the last word in practical tube shielding. **Wt. 5 oz. List. 65c.**

YOUR PRICE..... 35c

RHEOSTATS, VOLUME CONTROLS, ETC.

OUR METAL RHEOSTAT



A metal frame, ruggedly constructed rheostat. Provided with knob. For general use. Wt. 6 oz.

No. 3571. 4 ohm.
No. 3572. 6 ohm.
No. 3573. 10 ohm.
No. 3574. 20 ohm.
No. 3575. 25 ohm.
No. 3576. 30 ohm.
No. 3577. 40 ohm.

List, 75c each
YOUR PRICE,

34c

Metal rheostat with filament switch. Wt. 8 oz.

No. 3578. 4 ohm.
No. 3579. 6 ohm.
No. 3580. 10 ohm.
No. 3581. 20 ohm.
No. 3582. 25 ohm.
No. 3583. 30 ohm.
No. 3584. 40 ohm.

List, \$1.10 each
YOUR PRICE,

48c

Frost Gem Rheostats

Where a small rheostat is needed this one is very handy. Remarkable smoothness in operation. See builders' special. Wt. 6 oz.

No. 3630. 6 ohm.
No. 3631. 10 ohm.
No. 3632. 20 ohm.
No. 3633. 30 ohm.
List, 75c. **YOUR PRICE. 44c**



Gem Rheostats With Switch

Reduces panel controls. Positive action. Wt. 6 oz.
No. 3634. 6 ohm. List, \$1.00.
No. 3635. 10 ohm. **YOUR PRICE. 59c**
No. 3636. 20 ohm.

Gem Potentiometers

Same general construction as rheostat. Black pointer knob included. Wt. 6 oz.
No. 3638. 200 ohms. List, \$1.00.
No. 3639. 400 ohms. **YOUR PRICE. 59c**

Carter Midget Rheostats



Complete with Black Arrow-Pointer Knob. Only 1 1/2 inches in diameter.
No. 3501. 2 ohm.
No. 3502. 6 ohm.
No. 3503. 10 ohm.
No. 3504. 20 ohm.
No. 3505. 25 ohm.
No. 3506. 30 ohm.
List 50c **YOUR PRICE 29c**

Carter Midget Potentiometers

A handy device. Ruggedly constructed for the new A.C. sets. Wt., 6 oz.
No. 3518. 200 ohms. List, 75c.
No. 3519. 400 ohms. **YOUR PRICE. 44c**

Frost Gem Hum Balancers

Designed to overcome A-C ripple in alternating current operated sets. Used in up-to-date sets. Wt. 6 oz.

No. 3621. 6 ohm. List, \$1.00.
No. 3622. 20 ohm.
YOUR PRICE. 59c

Carter Heavy Duty Midget Rheostats



Has 3/4-in. resistance strip. Set small and affords considerable radiating surface. Wt. 6 oz.
No. 3585. 2 ohm.
No. 3586. 3 ohm.
No. 3587. 6 ohm.
No. 3588. 10 ohm.
No. 3590. 20 ohm.
No. 3592. 30 ohm.

List, 75c. **YOUR PRICE 44c**

Carter Hi-Watt Rheostats

A super heavy duty rheostat for high voltage. Dissipates 50 watts. "Ribbon" wound on Aerostat. For power supply devices and small motors. Wt. 8 oz.

No. 3528. 6 ohm. List, \$1.75.
No. 3529. 10 ohm. **YOUR PRICE 1.03**
No. 3530. 20 ohm.
No. 3531. 30 ohm.
No. 3532. 50 ohm.
No. 3533. 100 ohm.

Carter Midget Volume Controls

Compact and reliable. Shunted across Aerial and Ground in the new A-C sets it makes ideal volume control. Wt. 6 oz.
No. 3525. 1000 ohms. **44c**
List, 75c. **YOUR PRICE. 59c**
No. 3526. 20 ohm.
List, \$1.00. **YOUR PRICE. 59c**



Self-Adjusting Rheostats



The automatic filament control. Wt. 4 oz.
No. 3554. No. 1-A—
1/2 Amp. Type. For all 201-A and 300-A type tubes. No. 3555. No. 112—
3/4 Amp. Type. For all 112 and 121 type tubes. No. 3553. No. 120.
For the 120 and 230 type tubes. No. 3551. No. 4V-199.
For all 199, 299 and DV-3 type tubes. No. 3558. No. 622 for 222 shield grid tube with 6-volt battery. No. 3559. No. 226 for 226 A.C. Tube. **YOUR PRICE. 64c**
No. 3560. No. 227 for 227 A.C. Tube.

Carter Midget Rheostats With Switch

Simplifies panel controls by combination of rheostat and filament switch in one small device. Designed for "particular" set builders. Wt. 8 oz.
No. 3507. 2 ohm. List, \$1.00.
No. 3509. 6 ohm. **YOUR PRICE 59c**
No. 3510. 10 ohm.
No. 3512. 20 ohm.
No. 3513. 25 ohm.
No. 3514. 30 ohm.



Carter Tapered Volume Control

Molded bakelite frame. For use in new A-C circuits to be placed across Aerial and Ground for sensitive volume control. Wt. 6 oz.
No. 3520. 1000 ohms.
No. 3521. 3000 ohms.
List, \$1.50. **YOUR PRICE. 88c**
No. 3522. 5000 ohms. **YOUR PRICE. \$1.03**
List, \$1.75. **YOUR PRICE. \$1.03**



Carter Imp Rheostats

This small rheostat projects less than 4000 inch back of panel. Wt. 6 oz.
No. 3605. 6 ohm.
No. 3606. 10 ohm.
No. 3607. 20 ohm.
No. 3608. 25 ohm.
No. 3609. 30 ohm.
List, \$1.00. **YOUR PRICE. 59c**



Carter Imp Potentiometers

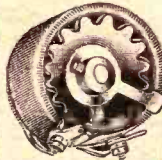
All metal frame—self cooling. Same general design as Carter "Imp" rheostat. Wt., 6 oz.
No. 3620. 200 ohms. List, \$1.25.
No. 3610. 400 ohms. **YOUR PRICE. 73c**

Frost Potentiometers

Equipped with attractive pointer knob. Wt., 6 oz.
No. 3680. 200 ohm.
No. 3664. 400 ohm.
No. 3681. 20 ohm. for A.C. Tubes. List, \$1.25. **YOUR PRICE. 73c**

Frost DeLuxe Bakelite Rheostats

No. 3655. 2 ohm.
No. 3656. 3 ohm.
No. 3657. 6 ohm.
No. 3658. 10 ohm.
No. 3659. 15 ohm.
No. 3660. 20 ohm.
No. 3661. 25 ohm.
No. 3662. 30 ohm.
No. 3663. 50 ohm.
List, \$1.00. **YOUR PRICE 59c**



With Filament Switch

No. 3676. 2 ohm.
No. 3677. 3 ohm.
No. 3665. 6 ohm.
No. 3664. 10 ohm.
No. 3678. 15 ohm.
No. 3667. 20 ohm.
No. 3668. 25 ohm.
No. 3670. 30 ohm.
No. 3679. 50 ohm.
List, \$1.35. **YOUR PRICE 79c**

De Jur Thermotrols For Controlling Tube Filaments



Wt. 4 oz.
No. 3535. No. 1—25 Amp. 6 V. Bat. 1—201A, 112A.
No. 3536. No. 2—5 Amp. 6 V. Bat. 1—171, 112 or 2-201A.
No. 1—199 or 299.
No. 3—125 Amp. 4 V. Bat. 1—120 or 220.
No. 3—25 Amp. 1 1/2 V. Bat. 1—WD-12.
No. 3540. No. 6—1 Amp. 6 V. Bat. 4—201A or 301A.
No. 3541. No. 7—75 Amp. 6 V. Bat. 3—201A or 301A.
No. 3542. No. 8—1.25 Amp. 6 V. Bat. 6—201A or 301A.
No. 3543. No. 9—5 Amp. 6 V. Bat. 6—201A or 301A.
No. 3544. No. 10—125 Amp. 6 V. Bat. 1—UX-201B.
No. 3545. No. 8022. 132 Amp. 3.3 V. Bat. 1—UX-222.
No. 3546. No. AC27. 1.75 Amp. 2 1/2 A.C. 1—UX-227.
No. 3547. No. AC29. 1.65 Amp. 1 1/2 A.C. 1—UX-226.
List with mounting. **50c**
YOUR PRICE 35c

Volume Controls & Resistances

C. R. L. Radiohm and Modulators

Variable non-inductive resistance for controlling oscillation in H. F. circuits. Full variation with single turn of knob. Positive contact. No. 3694. 2,000 ohm max. No. 3695. 50,000 ohm max. No. 3696. 100,000 ohm max. No. 3697. 200,000 ohm max. No. 3698. 500,000 ohm max. List. \$2.00. **YOUR PRICE..... \$1.18**

No. 3699. C.R.L. 400 ohm Potentiometer. List. \$2.00. **YOUR PRICE..... \$1.18**

No. 3700. C.R.L. 2000 ohm Potentiometer. List. \$2.00. **YOUR PRICE..... \$1.18**



Poly Claroplug



Good quality plug. Protects loud speaker. Clarifies reception. Reduces extraneous noises to a minimum. No. 3714. List. \$1.50. **YOUR PRICE..... 88c**

Carter Portable Volume Control

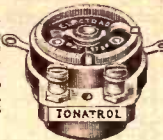
Many practical uses with A.C. sets. Loud speakers and phonographs. Provides smooth, even, dependable control. No. 3769. Speaker and Phonograph Pick-up Type. List. \$2.50. **YOUR PRICE..... \$1.47**



No. 3770. Aerial-Ground Type for A.C. Sets. List. \$2.00. **YOUR PRICE..... \$1.18**

Electrad Tonatrols

A new variable volume control of reasonable high current capacity. No. 3707. Standard. List. \$1.50. **88c**



NET. No. 3708. Battery Sw. List. \$2.00. **\$1.18**

NET. No. 3736. Power Sw. List. \$2.50. **\$1.47**

Electrad Royalty Variable Resistance

For oscillation or volume control. Resistance constant. No. 3709. Type 1, 0-200,000 ohms. List. \$1.50. **88c**

NET. No. 3710. Type L, 0-500,000 ohms. List. \$1.50. **88c**

Clarostats

Standard Used in majority of B-eliminators, also in sets as volume control. No. 3689. Rating 20 Watts. List. \$2.25. **YOUR PRICE..... \$1.32**



Power Type Used in heavy duty power units. No. 3690. Rating 40 Watts. List. \$2.00. **YOUR PRICE..... \$2.06**

To control plate voltage, regeneration, stabilizing volume and tone. No. 3693. Rating 7 Watts. List. \$1.50. **YOUR PRICE..... 88c**



Grid Leak Range of 1/10 to 10 megohms. Desirable in short-wave reception. Also for A.C. detector tubes. No. 3692. List. \$1.50. **YOUR PRICE..... 88c**

Table Type Portable control for variety of speaker volume. Has two connection cords with tips, and tip connector block. Has felt base. No. 3691. Rating 7 Watts. List. \$2.50. **YOUR PRICE..... \$1.47**



C. R. L. Radiohm and Filament Switch

Same as above except equipped with filament switch. No. 3702. 0-200,000 ohms. List. Price, \$2.30. **\$1.35**

C. R. L. Modulator

No. 3703. 250,000 ohm max. No. 3704. 500,000 ohm max. List. \$2.00. **YOUR PRICE..... \$1.18**

C. R. L. Switch Type Modulator with "A" Battery Switch. No. 3705. 250,000 ohms max. No. 3706. 500,000 ohms max. List. \$2.50. **YOUR PRICE..... \$1.47**

Frost Universal Variable Resistances May be used as Modulators or Oscillation Control

Perfectly smooth and noiseless, both mechanically and electrically. Easy to connect. Conform to the well known Frost standard of quality. No. 3715. 2,000 ohms. List. \$2.25. **YOUR PRICE \$1.32**

No. 3718. 50,000 ohms. No. 3720. 200,000 ohms. No. 3721. 500,000 ohms. List. \$2.00. **YOUR PRICE \$1.18**



With A-C Snap Switch

Equipped with positive action A-C switch of the popular toggle type, special construction. Particularly designed for the new A-C Sets. No. 3721. 5,000 ohms. List. \$2.75. **YOUR PRICE \$1.76**

No. 3722. 10,000 ohms. List. \$3.00. **YOUR PRICE \$1.76**

No. 3723. 25,000 ohms. No. 3724. 200,000 ohms. No. 3725. 500,000 ohms. List. \$2.75. **YOUR PRICE \$1.62**



Radiohms for A-C Sets

No. 3733. Special Resistance Taper Type RX-100. No. 3734. Special Resistance Taper Type RX-225. No. 3735. 10,000 ohms Type P-112. List. \$2.00. **YOUR PRICE..... \$1.18**

Carter Wire Wound Resistance Units

For reducing voltage where 199 and 201A tubes are used in combination from one rheostat. No. 4246. 4 ohm. List. 15c. No. 4247. 4 ohm. **YOUR PRICE**

No. 4248. 8 ohm. No. 4249. 10 ohm. No. 4250. 20 ohm. No. 4251. 40 ohm. No. 4252. 40 ohm. No. 4253. 50 ohm. **9c**



With Battery Switch

Standard Frost Variable Resistances equipped with 6 volt filament switch. The switch is of the quick operating type with positive "off" position. No. 3725. 200,000 ohms. List. \$2.35. **YOUR PRICE \$1.38**

No. 3726. 500,000 ohms. **\$1.38**



Carter Center Tapped Resistors

Being used in A-C sets as well as others. Requires small space and is accurate. No. 4222. 6 ohm. No. 4223. 10 ohm. No. 4224. 20 ohm. List. 25c. **YOUR PRICE..... 14c**



Pilot Resistograd

A non-inductive quiet variable resistor for use as volume regulator. Perfect insulation, Range from about zero to 30 megohms. Ideal for use with "B" Eliminators— for oscillation or volume control— or for use as a variable grid leak. No. 3676. List. \$1.00. **YOUR PRICE..... 59c**



C. R. L. Modu-Plug

A volume control—phone plug combined. Can be substituted for any standard phone plug. Obtains better tone quality. Controls volume from whisper to maximum. Standard type is for sets with jacks. Cord type is for set without jacks, but with speaker binding posts. Has a 24 inch phone cord. The "easy chair" has 20 feet of cord for remote control of volume. No. 3711. Standard Modu-Plug. List. \$2.50. **YOUR PRICE..... \$1.47**

No. 3712. Cord type Standard Modu-Plug. List. \$3.00. **YOUR PRICE..... \$1.76**



Taxley Jr. Rheostats

A smaller rheostat, quiet in operation. Mechanically and electrically perfect. No. 3641. 2 ohms. No. 3643. 6 ohms. No. 3644. 10 ohms. No. 3646. 20 ohms. No. 3648. 30 ohms. List. 75c. **YOUR PRICE 44c**



Jr. Potentiometers No. Ohms } List. \$1.25. **YOUR PRICE 73c**

No. 3650. 10 } No. 3651. 20 } No. 3649. 400 } List. \$1.10. **YOUR PRICE 65c**

Taxley Volume Control for A-C Sets

Especially designed for the new A-C Sets. Has high current carrying capacity. No. 3652. Volume control on Jr. base. List. \$1.30. **88c**

No. 3663. Volume control on bakelite base. List. \$1.50. **88c**

Resistance Kits, Resistances, Grid Leaks

De Jur Amplifier Wired



A low priced, completely wired and assembled amplifier constructed of reputable materials. Brings out the best possible tone quality in loudspeakers and radio sets. All necessary resistances and condensers are included. Ideal for increasing volume of two, three and four tube sets. Wt. 2 lbs.
No. 3129. List. \$8.00.
YOUR PRICE \$4.30

De Jur Planifier Kits



Complete Kit containing 5 stages of tested units in a test set.
For their consecutive stages.
All necessary resistors, condensers and wiring data included.
Indispensable for those who like true reproduction. A special for set builders at this price. Wt. 2 lbs.
No. 3136. List. \$4.50.
YOUR PRICE \$2.50

Aerovox Pyrohm Resistances



Made of the best grade resistance wire. Wound on refractory tubing. Porcelain coated and enameled. Considered the best grade of resistor for latest power or circuit purposes. Wt. 8 oz.

Resistance No.	20 Watt NET	40 Watt NET	100 Watt NET
500	4351 53c	4363 56c	4375 88c
750	4352 53c	4364 56c	4375 88c
1,000	4353 53c	4365 56c	4377 88c
1,500	4354 53c	4366 56c	4378 88c
2,000	4355 53c	4367 56c	4379 88c
3,000	4356 59c	4368 59c	4380 88c
4,000	4357 59c	4369 68c	4381 88c
5,000	4358 59c	4370 68c	4382 88c
8,000	4359 68c	4371 73c	4383 88c
10,000	4360 68c	4372 73c	4384 1.03
12,000	4361 68c	4373 73c	4385 1.03
15,000	4362 68c	4374 73c	4386 1.03

Lynch Metallized Resistors

Endorsed by leading engineers as dependable, noiseless and efficient. Guaranteed accurate within 10%. Wt. 2 oz. **YOUR PRICE**

No.	Meg.	List	YOUR PRICE
4016	.5	50c	29c
4017	3		
4018	2		
4019	1		44c
4020	.5		
4021	.25	75c	
4022	.1		
4023	.05		
4024	.025		
4025	.005		
4026	.002		

Lynch Resistor Mountings

Leak proof mountings of highly polished genuine Bakelite. Single hole mounting. No condenser included. Wt. 3 oz. **YOUR PRICE**

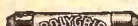
SINGLE No.	DOUBLE No.	List	YOUR PRICE
4027	4028	35c	29c
		50c	

Carborandum Resistors

Standard values in this type of resistor. Need no introduction to radio dealers and set builders. Wt. 2 oz. **YOUR PRICE**

No.	Megohm	List	YOUR PRICE
4274	.25	50c	29c
4275	.5		
4276	1		
4277	5		
4278	8		

Polymet Grid Leaks



Metallized grid leaks of engineering standard. Permanently constant, noiseless and of high current carrying capacity. Wt. 2 oz. **YOUR PRICE**

No.	Megohm	List	YOUR PRICE
4292	.25	50c	15c
4293	1		
4295	2		
4296	3		
4297	5		
4298	7		
4299	10		

Polymet Resistors

Accurate resistors for the popular resistance coupled amplification. Wt. 2 oz. **YOUR PRICE**

No.	Meg.	List	YOUR PRICE
4388	.005	\$1.00	59c
4389	.025	1.00	59c
4390	.05	.75	44c
4391	.1	.75	44c

Kroblak Resistance Kits

Kit of resistances specified for the Thordarson 210 Power Compact. Wt. 1 lb. No. 3755. Type M-210 for B-210 Power Compact. List. \$4.50.
YOUR PRICE \$2.65

Polymet 3-Stage Resistance Kit



Included are all necessary high standard Polymet parts such as condensers, grid leaks, resistances and mountings. Not difficult to assemble. Hi-Mu tubes produce most satisfactory results. See tube page. Wt. 1 lb.
No. 3128. List. \$4.00.
YOUR PRICE \$2.20

De Jur Mountings



Perfect Contact — is the reputation of these mountings. Contact springs are of baked phosphor-bronze. Wt. 3 oz. No. 3139. Single Mounting. List. 25c. **YOUR PRICE 13c**
No. 3140. Double Mounting. List. 35c. **YOUR PRICE 21c**

Resistance Mountings



No. 4006. Single mounting (as pictured). Wt. 2 oz. **YOUR PRICE 12c**
No. 4007. Double mounting (not pictured). Wt. 3 oz. **YOUR PRICE 19c**

Eagle Plunger Leaks



A small variable grid leak that fits most standard mountings. Max. 50 megohms. Wt. 2 oz. No. 4005. List. 75c. **YOUR PRICE 32c**

Aerovox 210-250 Resistor Kit

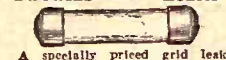
Combination of resistors for use with Thordarson 210 Push Pull Power Amplifier and Thordarson Single 250 or Push Pull 250 Amplifier. Consists of one 750 ohm, one 10,000 ohm unit, one 4000 ohm unit, two universal tapped resistors. This kit may be used with any 210 or 250 power amplifier and with it any combination of voltages may be secured. Wt. 1 lb. No. 4287. List. \$6.50.
YOUR PRICE \$3.82

Bretwood Grid Leak



A quality product having smooth vernier control. Range is from 0-10 megohms. Grid condenser is included. Wt. 6 oz. List. \$1.75.
YOUR PRICE \$1.10

Tubular Grid Leaks



A specially priced grid leak. Unaffected by atmosphere—glass enclosed. Accurate. Wt. 2 oz. List Price, 20c.
No. 4043. 1 megohm **YOUR PRICE**
No. 4044. 2 megohm **10c**
No. 4045. 3 megohm **10c**
No. 4046. 5 megohm **Each**

171 Tapped Resistance



An easy to mount single resistance unit for the popular Thordarson B-171 tapped at the proper resistance specified for this new power compact. Provides simple and easy means of installing power resistors. Wt. 8 oz. No. 3757. List. \$2.15.
YOUR PRICE ... \$1.26

Mountford Kroblak Resistances



Resistances units built to stand up under eliminator conditions and in power units and amplifiers. Proper wattage must be according to specifications to prevent breakdown. Wt. 6 oz. No. 3757. 750 ohms 3744. 1,000 ohms 3745. 3,739. 5,000 ohms 3746. 3740. 3,000 ohms 3747. 5,000 ohms 3748. 3742. 10,000 ohms 3749. 3743. 12,900 ohms 3750. 3751. 25,000 ohms 3753. 3752. 50,000 ohms 3754.
YOUR PRICE

List. \$1.00 each, 750 to 12,000 10 watt **59c**
List. \$1.50 each, 750 to 12,000 20 watt **88c**
List. \$1.25, 25,000 ohm 10 watt **73c**
List. \$1.75, 25,000 ohm 20 watt **\$1.03**
List. \$1.50, 50,000 ohm 10 watt **88c**
List. \$2.00, 50,000 ohm 20 watt **\$1.18**

Mountford Variable Grid Leaks



Variable grid leak mountable on standard grid condensers. Wt. 2 oz. No. 4004. List. 50c. **YOUR PRICE 23c**

Aerovox Wire Wound Resistances



No.	Resistance	YOUR PRICE
4392	100	12c
4393	500	
4394	750	
4395	1000	

No. 4396. Resistance. 1500. No. 4397. Resistance. 2000. **Your Price 21c**

Aerovox Tapped Resistances



No. 4288. Type A. Tapped at 3000, 2800, 1500, 1500, 750. Used with CX380, Raytheon BIF and voltage regulator tube. List. \$1.75.
YOUR PRICE ... \$1.03

No. 4289. Type B. Tapped Resist. Tapped 3000, 2800, 750, 750. Used with CX380, Raytheon BIF and voltage regulator tube. List. \$1.75.
YOUR PRICE ... \$1.03

No. 4290. Type 171. Tapped at 200, 3000, 3000, 2000. For Thordarson R171 Compact using Raytheon BIF tube. List. \$2.00.
YOUR PRICE ... \$1.18

No. 4291. Type D. Tapped at 3000, 2800, 750, 750, 4500. For CX381 rectifier with or without voltage regulator. List. \$5.50.
YOUR PRICE ... \$3.23

Micamold Grid Leaks and Resistors



Accuracy insured. Moulded under 50-lb pressure. Atmospheric conditions will not affect them. Wt. 2 oz. No. 4008. 1 meg. List 70c. **YOUR PRICE 39c**

No.	Megohm	List	YOUR PRICE
4009	.25	45c	21c
4011	1		
4012	2		
4013	3		
4015	10		

Aerovox Non-Inductive Condensers

By-Pass



Non-inductive-wound. Designed for general by-pass use, at potentials up to 200 volts D.C. or 125 volts A.C.

No.	Wt.	6 oz.	Mfd. Retail	NET
1267.			\$0.55	\$0.38
1268.	.25		.51	.41
1269	.5		.80	.47
1270.	1.		.90	.53
1271.	2.		1.75	1.03

Bakelite Case By-Pass Condensers No. 250 Series

Bakelite case condenser designed to prevent all leakage between terminals. Aerovox quality throughout. Avoids all possibility of grounding condensers. Provide maximum working voltage of 200 D.C. or 125 A.C. Wt. 8 oz.



Aerovox Bakelite Molded Condensers

Noted for accurate capacitances being accurate within 10%. Unaffected by extreme heat or cold. Genuine bakelite molded.

No.	Mfd. Retail	NET
1366.	.0025	35c
1337.	.0005	35c
1338.	.001	40c
1339.	.002	40c
1340.	.005	60c
1341.	.006	70c

Name as above except provided with clips for mounting. Grid leads. Wt. 4 oz.

No.	Mfd. Retail	EACH
1343.	.0015	40c
1344.	.0025	40c
1345.	.005	40c

23c

Dubilier Micadons

Accuracy and permanency are accepted standards in Dubilier Micadons. Made of best grade India sheet mica insulation and metallic foil plated between pieces of genuine bakelite and sealed under terrific pressure, each condenser is tested at 600 volts D.C. Wt. 4 oz.

YOUR PRICE

No.	Mfd. Retail
4047.	20c
4048.	20c
4049.	20c
4050.	20c
4051.	25c
4052.	30c
4053.	30c
4054.	30c
4055.	40c
4056.	40c

DUBILIER GRID CONDENSER

Same as above except provided with clips for mounting grid leads. No. 4091. 00025

mfd. Retail	25c.
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15c

Filter Condensers



These socket power and high voltage condenser are of the non-inductive type equipped with long, heavy, flexible, rubber covered wire. Constructively rated with high safety factor. Case is of uniform height with convenient mounting feet. Wt. 12 oz.

TYPE 202—Maximum D.C. working voltage, 300; A.C. 125.

No.	Mfd. Retail	NET
1362.	.1	\$1.25 \$0.73
1363.	2.	2.00 1.18
1364.	4.	3.50 2.06

TYPE 402—Maximum D.C. working voltage, 300; A.C. 175.

No.	Mfd. Retail	NET
1365.	.25	\$1.00 \$0.59
1367.	1.5	1.60 .94
1368.	2.	2.60 1.53
1369.	4.	4.70 2.76

TYPE 402—Maximum D.C. working voltage, 400; A.C. 250.

No.	Mfd. Retail	NET
1370.	.1	\$1.00 \$0.59
1371.	.25	1.10 .65
1372.	1.5	1.40 .85
1373.	2.	1.85 1.09
1374.	2.	3.00 1.76
1375.	4.	5.25 3.09

TYPE 602—Maximum D.C. working voltage, 600; A.C. 350.

No.	Mfd. Retail	NET
1376.	.5	\$1.85 \$1.09
1377.	1.	2.75 1.62
1378.	2.	5.00 2.94
1379.	4.	8.00 4.70

TYPE 1002—Maximum D.C. working voltage, 1000; A.C. 600.

No.	Mfd. Retail	NET
1380.	5	\$3.00 \$1.76
1381.	1.	4.75 2.80
1382.	2.	8.50 5.00
1383.	4.	16.00 9.41

New Sangamo Bakelite Condensers

The excellent bakelite molded condenser. Will resist heat and moisture. Accuracy of capacity assured. 4 oz.

No.	Mfd. Retail	NET
4079.	.00025	45c
4080.	.0005	45c
4081.	.001	55c
4082.	.002	55c
4083.	.005	75c
4084.	.006	90c



B Blocks



No. 1297. Type BH 320. Designed for use with Raytheon BH or type 380 rectifiers. Provides 2-2-1-1 mfd. condensers. Ret. 3 1/2 lbs. Retail, \$10.00.

YOUR PRICE.....\$5.88

No. 1384. Type BH 420. Heavy duty type designed for Raytheon BH or type 280 rectifiers. Providing 2-2-1-1 mfd. condensers. Wt. 3 1/2 lbs. Retail, \$13.00.

YOUR PRICE.....\$7.64

No. 1385. Type B 171. Same as type BH 420, except for special size container. Wt. 4 lbs. Retail, \$13.00.

YOUR PRICE.....\$7.64

No. 1386. Type DC 280. For use with type 331 rectifiers. Providing 2-2-1-1-4-1 mfd. condensers. Wt. 3 1/2 lbs. Retail, \$12.00.

YOUR PRICE.....\$7.06

No. 1387. Type BH 862. For use with type 331 rectifiers. Providing 2-2-1-4-1 mfd. condensers. Wt. 3 1/2 lbs. Retail, \$17.50.

YOUR PRICE.....\$10.29

No. 1388. Type TH 1088. For use with heavy duty full wave rectifiers using 381 tubes, providing 2-2-1-4-1 mfd. condensers. Wt. 4 lbs. Retail, \$22.50.

YOUR PRICE.....\$13.23

Micamold Condensers

A high grade, baked bakelite condenser in a molded bakelite case. Accuracy to capacitance. Wt. 3 oz.

No.	Mfd. Retail
4057.	.0001 35c
4058.	.00025 35c
4059.	.0005 35c
4060.	.001 40c
4061.	.002 45c
4062.	.0025 50c
4063.	.005 60c
4064.	.006 70c

MICAMOLD GRID CONDENSERS

No.	Mfd. Retail	NET
4093.	.00025	45c
4094.	.0005	45c

Aerovox A

Condensers

Efficient, low voltage, high capacity units for filter circuit of A eliminators. Composed of two condensers and two choke coils of 1 and .5 Henries.



Carries two anodes. Eliminates the output of a rood tube rectifier battery charger. Used as an A eliminator. Wt. 3 1/2 lbs.

1389.	110	\$4.00	\$2.35
1390.	2000	4.50	2.65
1391.	4000	7.50	4.41

X-L Condensers



A small, variable, neutralizing and balancing condenser. Micrometric adjustment for accurate capacity. Wt., 4 oz.

No. 1346. Model N neutralizing type. Retail, \$1.00. **YOUR PRICE 59c**

X-L Grid Condensers

No. 1347. Type G-1. .0002-001 mfd. Retail, \$1.00.

No. 1348. Type G-5. .0001-.005 mfd. Retail, \$1.00.

No. 1349. Type G-10. .0005-.001 mfd. Retail, Each \$1.50. **YOUR PRICE 88c**

Micamold Midget Bakelite Condensers

Conforming to Micamold standards, coupled with the advantages of smallness in size. Molded of genuine bakelite. Wt., 4 oz.



No.	Mfd. Retail
1395.	.0005 10c
1396.	.0001 13c
1397.	.0005 14c
1398.	.00025 15c
1399.	.001 17c
1400.	.005 23c
1401.	.006 34c
1402.	.01 40c

Sprague Midget Condensers

Tested to 1500 volts. Exceptionally high accuracy. Suitable for continuous operation at 500 volts D.C. Accurate within 10%. Wt. 2 oz.

No.	Mfd. Retail	NET
1351.	.00025	35c
1353.	.001	40c
1354.	.002	40c
1355.	.005	40c
1356.	.005	45c
1357.	.006	45c

Aerovox Buffer Condensers

For use across secondary windings of power transformers from gas-tight electrolytic rectifiers. Wt. 12 oz.

No. 1291. Type 446. Working voltage, 400 D.C.; 250 A.C. Retail \$1.50. NET 88c
No. 1295. Type 640. Working voltage, 600 D.C.; 350 A.C. Retail, \$2.00. NET \$1.13
No. 1293. Type 1046. Working voltage, 1000 D.C.; 550 A.C. Retail, \$2.75. NET \$1.62
No. 1292. Type 1546. Working voltage, 1500 D.C.; 750 A.C. Retail, \$3.50. NET \$2.06

AEROVOX INTERFERENCE ELIMINATORS

Used to prevent power line noise from affecting electric receivers or power supply devices. Also to prevent reradiation and interference from electric motors and other electrical appliances. Filter type IN-24 for a maximum of 125 volts A.C. and 200 volts D.C. IN-44 is for a maximum of 220 volts A.C. and 400 volts D.C. Supplied with all instructions. Wt., 2 lbs.



No. 1392. Type IN-24. Retail, \$6.50. YOUR PRICE.....\$3.82
No. 1393. Type IN-44. Retail, \$9.00. YOUR PRICE.....\$5.29

Dubilier By-Pass

These are the new type Dubilier condensers with special mounting feet occupying small space on the switch panel. They provide a D.C. working voltage up to 200 volts and are generally employed as by-pass condensers in impedance or resistance coupled amplifiers where low voltage is used. Wt. 8 oz.



No.	Mfd. Retail	NET
1249.	.1	\$0.85
1250.	.25	.95
1251.	1.	1.00
1252.	1.	1.25
1253.	2.	2.00

Tobe, Acme and Dubilier Condensers

Tobe "A" Filter



Consists of two Tobe A condensers having capacity of 4000 mfd. each combined with two large capacity chokes completely wired. May be connected to any good 2 or 2½ ampere charger for complete A elimination.

\$1.05

No. 406. Retail. \$18.00. YOUR PRICE

TOBE A BLOCK. Consists of two Tobe A Condensers in one unit with capacity of over 1000 mfd. each. Size 3 1/2" x 1 3/4".

No. 1403. List \$7.00. **\$2.74**

YOUR PRICE

TOBE A CONDENSER. 4000 mfd. low voltage condenser. For use with battery chargers and suitable chokes for A elimination. Maximum working voltage 12 volts D.C. Size 5 1/2" x 1 3/4".

No. 1411. List \$6.00. **\$3.53**

YOUR PRICE

Acme Parvolyt By Pass

Used for direct current circuits with a maximum of 200 volts and on A.C. circuits maximum voltage of 100 volts. Recommended for radio frequency by-pass work. Wt. 1 1/4 lbs.

No.	Mfd.	NET
1321.	1.	\$0.50
1322.	.25	.56
1323.	.15	.59
1324.	.1	.73
1325.	1.	1.32
1326.	4.	2.35



FILTER CONDENSERS

For all current supply circuits and as isolating units in resistance and impedance coupled audio. Wt. 1 1/2 lbs.

No.	Mfd.	age	NET
327.	1.	600	\$1.76
328.	2.	600	3.23
329.	4.	600	4.70
330.	1000.	2	4.12
331.	2.	1000	4.12
332.	4.	1000	7.06



TOBE Interference Filters



Eliminate interference from household motors, electrical refrigerators, washing machines, generators, etc. No. 1 filter recommended for use on electrical household appliances having motors up to and including quarter horsepower. No. 2 filter for use with motors up to five horsepower. They incorporate means to prevent damage to commutators. Wt. 1 1/2 lbs.

No. 1406 Type No. 1. **\$5.88**

YOUR PRICE

No. 1212 Type No. 2. **\$8.82**

YOUR PRICE

Dubilier Power Pack Condensers

No. 1424. Type PL574. Used in power devices employing Raytheon B.H. rectifier tubes. The maximum transformer voltage, when used with PL574 should not exceed 700 or 330 volts per rectifier plate. Consists of 14 mfd., tapped common 2-2-3-1-1. Wt. 3 1/2 lbs.

List. \$16.50. **\$9.70**

NET

No. 1425. Type PL575. For power compacts using 21B3 or 2B1 type filament rectifiers. Maximum transformer voltage must not exceed 750 V. per plate in either half or full-wave rectifier systems. Consists of 12 mfd., tapped common 2-2-2-4-1-1. Wt. 4 lbs. **\$10.29**

List. \$17.50. NET

No. 1426. Type PL700. For 2B1 filament tube types connected as a full wave rectifier. Also employs a 4 mfd. capacitor for use with voltage regulator tube. Transformer secondary voltage must not exceed 750 V. per plate. Consists of 11 mfd., tapped common 2-2-3-4-1. Wt. 4 1/2 lbs. **\$10.29**

List. \$17.50. NET



Dubilier Interference Devices

Designed for use in eliminating local electrical interference such as is set up by motor equipped electrical appliances. Model No. 1 is for use where interference is of medium intensity. No. 2 for more severe interference, while No. 3 embodies a filter for use where interference is of unusual intensity. Wt. 1 1/4 lbs.

No. 1418. Type No. 1. Retail. \$5.00.

YOUR PRICE **\$2.94**

No. 1419. Type No. 2. Retail. \$7.50.

YOUR PRICE **\$4.41**

No. 1420. Type No. 3. Retail. \$15.00.

YOUR PRICE **\$8.82**



Dubilier Filter Condensers

High grade paper dielectric condensers built to Dubilier standards of quality. Equipped with soldering lug terminals. Wt. 12 oz.

Type 902—400 Volts

No.	Mfd.	Retail	NET
1339.	1.	\$2.50	\$1.47
1340.	2.	3.50	2.06
1341.	4.	5.50	3.23

Type 903—600 Volts

No.	Mfd.	Retail	NET
1242.	1.	\$3.00	\$1.76
1244.	2.	5.50	3.23
1245.	4.	9.50	5.59

Dubilier Dry "A" Condensers

A new Dubilier Development. Designed for employing unidirectional or direct currents up to 15 volts, where high capacities are required. Leakage current is less than 1 milliamperes—indicative of long life. Strong internal construction. Wt. 5 lbs.

No. Mfd. Retail NET

1421.	2,000	\$ 4.50	\$ 2.66
1422.	4,000	7.50	4.44
1423.	6,000	11.00	6.47

Fixed, By Pass and Filter Condensers

Tobe By Pass

A new type by-pass condenser being more compact, easier to mount, with metal case. Measures 2 1/2 x 1 1/4 x 1/2 in. Wt. 6 oz.



No.	Mfd.	Retail	NET
1407.	.5	\$0.90	53c
1408.	1.	1.23	73c

By Pass and Filter Condensers

Working voltage up to 300 volts D.C. Unaffected by climatic conditions. Highest quality throughout. Wt. 4-12 oz.

No.	Mfd.	Retail	NET
1201.	1.	\$0.70	\$0.41
1202.	.25	.75	.44
1203.	.15	.80	.45
1204.	1.	1.25	.73
1205.	3.	1.75	1.03
1206.	4.	3.50	2.06

Output Condensers

Used between plate of power tube and speaker where tone filters are used to protect speaker windings. 4 mfd. capacity. For voltage up to 250 volts on plate. Wt. 12 oz.

No. 1409. Retail \$3.50. **YOUR PRICE \$2.06**

High Voltage Condensers

For continuous operation on 100 volts D.C. Wt. 12 oz.

No.	Mfd.	Retail	NET
1209.	1.	\$2.00	\$1.18
1211.	4.	4.50	2.66

New Tiny-tube Condensers

A small condenser requiring no support. For voltages up to 500 volts D. C. Average size. $\frac{1}{2} \times \frac{3}{8} \times \frac{1}{8}$ in. Wt. 2 oz.

No.	Mfd.	Retail	NET
1219.	.0001	35c	21¢
1220.	.00025	35c	
1221.	.0005	35c	
1222.	.001	\$3.00	
1223.	.002	40c	23¢
1224.	.003	40c	
1225.	.004	40c	
1226.	.005	45c	26¢
1227.	.006	45c	
1228.	.01	55c	32¢
1229.	.02	60c	35¢

Samson "B" Blocks
No. 1413.
For Samson's UX210 Push Pull Amplifier.
Retail. \$38.00.
NET \$22.34



"B" Block Condensers

No. 1218. R171 containing 8-2-2-1-1 mfd. condensers for use in Thordarson R171 Power Packs. Wt. 4 lbs. Retail, \$15.00.

YOUR PRICE \$8.82

No. 1217. R210 B Block containing 2-2-2-4-1-1 mfd. high voltage condensers for Thordarson R210 Power Pack. Wt. 4 1/2 lbs. Retail, \$18.00.

YOUR PRICE \$10.58

No. 1230. R250 B Block high voltage condenser for 250 Power Amplifiers. Wt. 6 lbs. Retail, \$26.00.

YOUR PRICE \$15.29

Buffer Condenser

Type 311 contains in one block, two 0.1 mfd. filter condensers. Recommended for installation on the A.C. side of the tube in Raytheon circuits. Wt. 4 oz.

No.	Mfd.	Retail	NET
1333.	2.	\$5.00	\$2.94
1439.	2.	9.00	5.29

Power Pack Condensers

No. 414. Tobe Model #64 designed for 4 eliminator use, requiring three 4 mfd. and two 1 mfd. condensers. For use with 21B and 21B 3 type tubes. Wt. 3 1/2 lbs.

Retail, \$11.00. **YOUR PRICE \$6.47**

No. 1207 Tobe B Block Model 765 contains 2-4 mfd. 1-4 mfd. 400 volts short path condensers for Raytheon BH type tubes. Wt. 6 lbs.

Retail, \$13.00. **YOUR PRICE \$7.64**

No. 1208. List \$1.50. **88c**

YOUR PRICE

Type 411, short path 400 volt buffer condenser consisting of two 0.1 high test capacitors. Wt. 1.8 oz. No. 1410. List. \$2.00. **YOUR PRICE \$1.88**

High Voltage Power Pack Condensers

New and extremely rugged extra high-voltage condensers. The 600 Condenser will operate continuously on D.C. voltages from 600 to 1000 volts. Recommended for American, Thordarson and other power packs. The new 1100 line has a 24 working voltage of 1100 volts p.p.c. and is recommended for use with UX210 Push-Pull Amplifiers and similar high-voltage equipment. Wt. 2-3 1/2 lbs. Tobe 600 Series

No.	Mfd.	Retail	NET
1213.	.5	\$2.00	\$1.18
1214.	1.	2.50	1.47
1215.	2.	3.50	2.06
1216.	4.	6.00	3.53

Aerial and Ground Accessories

BALL ANTENNA EFFICIENT SELECTIVE

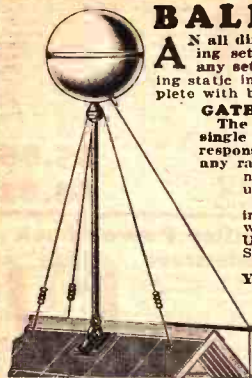
An all directional selective antenna for any radio receiving set. Increases the receiving range of practically any set. It is selective and sharpens tuning minimizing static interference. A 10 in. aluminum alloy ball complete with bakelite insulator and condenser.

GATHERS MORE ENERGY—GREATER RANGE
The Ball Antenna gathers far more energy than single or multi-strand wire aerials and is therefore responsive to weaker signals increasing the range of any radio receiver. With this Ball Antenna, stations never before heard are received with good volume and absence of interference.

The ball sheds ice and snow. It is attractive in appearance and is not affected by heat and will not rust. No rod included. \$2.75
Shipping weight, 4 lbs.
No. 2471. List \$7.50.
YOUR PRICE \$2.75

BALL ACCESSORY KIT

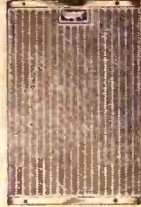
Consists of 50 ft. lead-in wire, 50 ft. copper guy wire, ground clamp, flexible window lead-in insulator, nail knobs, screw eyes and 10 ft. of pipe with base. Wt. 12 lbs.
No. 2473. **YOUR PRICE \$2.15**



Effarsee Antenna

An efficient inside aerial that can be hung up anywhere. Appears as a window curtain. Wires inside. Contains hundreds of feet of wire and necessary condensers, self-contained. Selective. Reduces static. Sensitive as an outside aerial. Wt. 3 lbs.

No. 2455. **\$1.47**
Retail 2.50
YOUR PRICE



Eagle Light Socket Aerial

A high grade well designed Light Socket Aerial Plug that makes use of the selective light wiring system of the house for an aerial. Draws no current. They reduce static materially and in many instances increase the range of your receiver. Highly recommended for use in congested districts, apartment buildings, etc., where more selectivity is required, than the outdoor antenna provides. Wt. 8 oz.

No. 2469. Retail, \$1.00. **45c**
YOUR PRICE

Steinite Eliminator

For eliminating interference, and sharpening the tuning of any radio receiver. Scientifically constructed, it greatly increases selectivity. May be used on any set with an aerial. Quickly and simply installed. If you, set tunes broadly you need an interference eliminator. Wt. 8 oz.

No. 6020. Retail \$1.00. **59c**
YOUR PRICE

Muter Interference Eliminator

Increases selectivity and sharpens tuning of any radio receiver. Encased in black molded Bakelite. Only 3 1/2 in. in diameter. Enables you to tune out powerful local and nearby broadcasting stations. In order to tune in the distant stations. Corrects any set if it tunes broadly. It will also reduce "static" caused by local electrical defects. Wt. 1 lb.

No. 6021. Retail \$2.50. **\$1.47**
YOUR PRICE

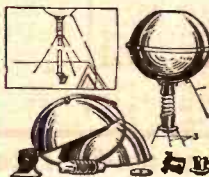


Fiat Loops—Bank Wound

The Bank Wound design of this loop makes it particularly desirable for use on most Superheterodyne Receivers. Due to its efficient design, it will readily pick up the faintest signals, and deliver maximum signal energy to the receiver. Solid Walnut Frame in attractive natural finish. Turns on 7 in. radius. Center tapped, stands 30 in. high, 13 1/2 in. wide. Weight, 3 lbs.
No. 4409. Retail \$12.50
YOUR PRICE \$7.35



BALL ANTENNA KIT



A high grade Ball Antenna Kit that minimizes static interference. Kit contains all necessary parts for instant easy assembly. They provide unusual aerial efficiency, and make a neat attractive installation. Just the thing for use in congested districts, and where more than one aerial is on the same roof. \$2.94
Wt. 5 lbs.
No. 2463. Retail \$5.00
YOUR PRICE \$2.94

Qualitone Loops

A high grade carefully designed, endurable constructed loop, with hand-rubbed solid walnut frame. By use of a special adjustment screw at the top of the center standard, the wires can always be kept tight; thus avoiding fluctuations in capacity. Center tapped. Metal parts, highly nickel plated. Wt. 5 lbs.

Qualitone No. 4407. As described above. Retail \$10.00. **YOUR PRICE \$5.88**
DeLuxe Model No. 4408. As described above, except with a new frame. Retail \$12.50. **YOUR PRICE \$7.35**



Window Lead-In

Fits between window and sill. Contact on each end. Wt., 2 oz.
No. 2465. Retail 25c.
YOUR PRICE 7c
No. 2465A. Extra long. Retail 45c.
YOUR PRICE 12c

Ground Rod Premax

A simple effective copper-clad steel ground rod that provides a permanent effective ground connection. Measures 3/8 in. in diameter, and 4 ft. long. Pointed for easy driving. Provided with adjustable clamp for ground lead. Wt. 2 lbs.
No. 2470. Retail \$5.00.
YOUR PRICE 29c ea.

Ekko Ground Clamp

A perfect ground clamp. Assures clean contact. Wt. 2 oz.
No. 2464. Retail 25c.
YOUR PRICE 15c

Ground Clamp

A copper ground clamp. Positive contact. Wt. 4 oz.
No. 2462. Retail 42c.
YOUR PRICE 4c

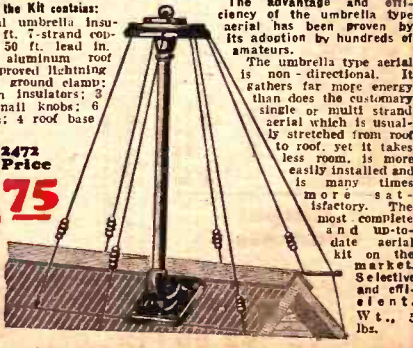
DeLuxe Umbrella Aerial Kit

A new design for efficient, permanent aerial installation. Here is what the kit contains:

- 1 special umbrella insulator; 100 ft. 7-strand copper wire; 50 ft. lead in wire; 1 aluminum roof base; 1 approved lightning arrester; 1 ground clamp; 6 porcelain insulators; 3 porcelain nail knobs; 6 screw eyes; 4 roof base screws.

No. 2472
YOUR PRICE \$2.75

List \$5.00



BELL WIRE

Furnished in 50 ft. rolls per box. Cotton cover colored. No. 18 wire. Good quality and value. Wt. 1 lb.
No. 2458. Retail, 50 ft., each, .30c.
YOUR PRICE 18c
50 ft., EACH

TWISTED LAMP CORD

Consists of flexible stranded size 18 copper wires, with rubber sleeve insulation, over which is a neat colored cotton braid.
No. 2456. Double twisted wire, 25 ft. **YOUR PRICE 48c**
No. 2457. 50 ft. **YOUR PRICE 75c**

ANTENNA AND GROUND EQUIPMENT

Complete Aerial Kits



Aerial Kit A

These convenient aerial kits contain all necessary parts for most difficult aerial installations. The model A kit includes 100 ft. of stranded copper aerial wire; 25 ft. rubber insulated lead-in; one lead-in insulator; two porcelain strain insulators; two screw insulators; one lightning arrester; and one ground clamp. Wt., 4 lbs.

No. 2459.
Retail, \$2.00.
YOUR PRICE **83c**

Aerial Kit B

Kit consists of 100 ft. stranded copper wire; 40 ft. rubber insulated lead-in wire; 25 ft. insulated ground wire; one ground clamp; four porcelain strain insulators; two screw insulators; lightning arrester, and lead-in insulator. Wt., 5 lbs.

No. 2460. Retail, \$3.00.
YOUR PRICE **\$1.35**

De Luxe Kit C

Finest quality antenna equipment. Build a permanent efficient aerial. Consists of 100 ft. stranded enameled aerial wire; 50 ft. weather proof lead-in wire; 25 ft. ground wire; approp. lightning arrester; 1 ground clamp; 4 glass insulators; 4 porcelain screw insulators; 2 screw eyes; 1 porcelain stand-off insulator; 1 flexible lead-in insulator. Wt., 6 lbs.

No. 2461.
List, \$5.00.
YOUR PRICE **\$1.95**

Approved Lightning Arrester



A high grade lightning arrester of the air-gap type. Porcelain construction. An exceptional value that has proven a fast seller. Wt., 12 oz.

No. 6004.
YOUR PRICE **12c**

Sentinel Lightning Arrester



A highly recommended lightning arrester of the gap type. Carefully constructed. Approved by underwriters. Will prove a leader in sales. Wt., 1 lb. The very best arrester obtainable.

No. 6022. Retail, \$1.00.
YOUR PRICE **55c**

Home Guard Arrester



A new standard of lightning arrester value. Sturdily constructed, and of the non-air gap type. Successfully meets the demand for a lower priced arrester. Wt., 12 oz.

No. 6023. Retail, 50c.
YOUR PRICE **27c**

Paragon Ground Master



Designed for use as a substitute antenna or radio ground. Used as an antenna, buried in the ground, it increases selectivity, reduces static and interference. Astounding long range reception reported. May be used as ground with outside antenna, improving results obtained.

Wt., 7 lbs.
No. 6017. Retail, \$5.50.
YOUR PRICE **\$3.23**

Stand-Off Insulators



No. 6018. Used for efficient antenna insulation. Of brown glazed porcelain. 4 in. long. Wt., 14 oz.

YOUR PRICE, EACH **10c**

High Grade Aerial Wire

Stranded

Consists of seven strands of No. 24 hard drawn copper aerial wire of the finest quality. Put up in 100-ft. coils. A recommended standard for aerials. Wt., 2 1/2 lbs.

No. 2453. Per 100-ft. coil.
YOUR PRICE **23c**

Enameled

A seven-strand high grade copper wire, with each strand insulated from the others. Will not corrode or deteriorate. In 100-ft. coils. Wt., 2 1/2 lbs.

No. 2454. Per 100-ft. coil.
YOUR PRICE **33c**



Dubilier Light Socket Antenna



The standard light socket antenna plug. Simply attach to the light socket on any receiver. Transforms light line into an aerial. Highly efficient. Improves reception, and reduces static. A real value. Wt., 10 oz.

No. 4100. Retail, \$1.50.
YOUR PRICE **88c**

Aerial Pipe-Mast Fittings



For the perfect aerial installation. Pulley, collar, and base of iron. Base adjustable and will fit roof of any pitch. Easy to mount. Wt., 5 lbs.

No. 2447. Set of 3 pcs.
YOUR PRICE **55c**

Ribbon Aerial



Ideal for indoor use. Wonderful energy collector. Provides great surface area and flexibility. Wt., 3 lbs.

No. 6013. Per 100-ft. roll.
YOUR PRICE **83c**

Subantenna



The Original Underground Aerial

Fast becoming as staple as tubes. Works amazing improvements in the performance of any A.C. or battery set in any locality.

Better Reception

Positively reduces static—increases distance and volume Uses filtered ground waves instead of noisy air waves. Brings in distant stations loud and clear when outside aerial gets nothing but static. Makes sets work as well in summer as they do in winter and makes them work better in winter than ever before.

Installed in Five Minutes

Requires hole in ground only 13 in. deep, 7 in. wide. Never needs attention. Improves as the earth packs around it.

No. 2497. List \$7.50.
YOUR PRICE **\$4.40**

Now Only Net **4**

Glass Insulators



Highly efficient especially in humid climates. Will stand a terrific strain. Length, approximately 4 in. Wt., 6 oz.

No. 6000.
YOUR PRICE **7c**

Porcelain Strain Insulators

A standard type univerted used insulator. Strong and durable. 3 in. long.

No. 6002.
YOUR PRICE, EACH **4c**



No. 6003.
YOUR PRICE, PER DOZ. **32c**

Midget Glazed Insulators

No. 6015. Size, 1 in. square by 2 1/2 in. long. Wt., 3 oz.

YOUR PRICE **3c**

Porcelain Screw Insulators

A handy insulator for keeping lead-in wire away from walls, etc. Iron screw, porcelain eye. Wt., 3 oz.

No. 6014. YOUR PRICE **4c**



Lead-In Connectors

For connecting lead-in to aerial. Simplifies aerial installation. Enables a positive aerial lead-in connection without necessity of soldering. Every dealer should keep a stock of these handy connectors on hand. A big seller. Wt., 3 oz.

No. 6019.
YOUR PRICE **7c**



Rubber Covered Lead-In Wire

A high grade rubber covered lead-in wire; not affected by moisture. Provides perfect insulation. No losses.

No. 2451. 25 ft. Wt., 1 lb. YOUR PRICE **22c**
No. 2452. 50 ft. Wt., 2 lb. YOUR PRICE **37c**

Rubber and Braided Lead-In Wire

No. 14 copper wire with both rubber and wire covered covering. Best quality. Highly recommended.

No. 2449. 25-ft. rolls. Wt., 1 lb. YOUR PRICE **27c**
No. 2450. 50-ft. rolls. Wt., 2 lb. YOUR PRICE **46c**

JACKS - PLUGS - SWITCHES - LIGHTS - ETC.

Bakelite Plug


De Jur



An exceptionally high grade phone plug of polished genuine bakelite. Positive acting spring clips. No screws or clamps to get out of order. Without doubt one of the biggest plug values on the market today. Highly recommended. Wt., 4 oz.
No. 2327.
List 25c. **YOUR PRICE..... 13c**
No. 2328. List per 10. **33.00. YOUR PRICE..... \$1.25**

Hold-Tite Jacks

CARTER



Substantially constructed with heavy phosphor bronze springs and pure silver contacts. All lugs are tinned for easy soldering. Easily mounted to any panel. Wt., 6 oz.

No.	List Price	YOUR PRICE
2348. Open circuit.....50c		29c
2349. Closed circuit.....55c		32c
2350. Double circuit.....80c		47c
2351. Single filament control.....70c		41c
2352. Double filament control.....90c		53c

Jack Switches

CARTER



Carter jack switches have many uses in radio construction and experimenting. Built to the high quality standards of all Carter products, they come to you complete with black moulded "on and off" knob with name plate. Single hole mounting. Easy to wire. Wt., 8 oz.

No. 2353. No. 2 single pole. double throw. Closes one contact. List, 75c.	44c
No. 2354. No. 3 single pole. double throw. Consists of three springs; opens one and closes one contact. List, 90c.	53c
No. 2355. No. 4 double pole. single throw. Consists of four springs; closes two contacts. List \$1.00.	59c
No. 2356. No. 6, double pole. double throw. Consists of six springs; opens two and closes two contacts. List, \$1.25.	73c

Filament Switch

Locking Type



Insertion of plunger makes positive contact. Removal of plunger breaks contact and securely locks switch. Exposed parts highly nickle plated. Wt., 6 oz.
No. 2345.
List, 50c. **YOUR PRICE..... 20c**

Carter No. 2 Switch

A new filament switch. Mounts in small space.



Flashed complete with "on and off" name plate. Insulated frame. A real value. Wt., 8 oz.
No. 2396.
List, 50c. **YOUR PRICE..... 29c**

Cutler-Hammer Toggle Switch



Popular toggle type filament switch. Easy to install, providing a positive make or break contact. An exceptional value.
Wt., 6 oz.
No. 2331. List, 60c. **YOUR PRICE..... 35c**

Yaxley Jr. Jacks

Small well designed jacks extending only 1/4 in. behind panel. Used where space is limited. Staggered terminals facilitate soldering. Wt., 6 oz.
NET

No. 4102. Open circuit. 40c	List	24c
4103. Closed circuit.....55c		33c
4104. Two circuit.....55c		32c
4105. Single circuit filament control.....65c		38c
4106. Double circuit.....65c		38c

Carter Receptacle Plates

Carter Receptacle Plates fill a definite need in proper radio installations in the home. They eliminate unsightly wires and provide a convenient outlet for batteries, aerial and ground leads, etc.

Lacquered Brass Finish

All plates are solid brass highly lacquered and will not tarnish. Fit all standard outlet boxes or may be mounted directly on wall or baseboard. Wt., 1 lb.

No. 4095. Escutcheon plate has Carter tip jacks with name plates "aerial" and "ground". Two lamp plugs. Complete with mounting screws to fit regular outlet box. List, 80c. YOUR PRICE..... 53c	No. 4096. For use with A.C. sets. Plate has two Carter tip jacks, standard A.C. outlet, and jacks for aerial and ground leads. Two Imp plugs included. List, \$1.00. YOUR PRICE..... 59c
No. 4097. Plate has two Carter tip jacks and marked with two "speaker" name plates. Speaker may be directly connected without phone plug. Complete with all screws for mounting. List, 60c. YOUR PRICE..... 35c	No. 4098. Loud speaker outlet plate with standard Carter Hi-Ohm Volume Control. Permits placing of speaker away from set, eliminating extension cords. Complete with screws for mounting. List, \$2.75. YOUR PRICE \$1.62

Short Jack Switches



No. 4192. Three position. Closes contact right and left. Central neutral. List, 70c. NET..... 41c
No. 4193. Two position. Closes contact. List, 70c. NET..... 41c
No. 4194. Two position. 6 spring. Opens 2 and closes 2 contacts. List, 80c. NET..... 52c


Carter Tip Jacks



A small, reliable cord tip jack consisting of only two parts. The heavy contact spring insures positive connection. Highly nickle plated.

No. 4112. List, each, 10c. YOUR PRICE..... 6c
--

Frost Gem-Jac



An exceptional, well designed, compact, panel mounted jack. Contacts are of sterling silver plated with nickle plated brass frame. Measures only one inch in back of panel. Wt., 4 oz.

No.	List Price	YOUR PRICE
No. 2333. Double circuit.....50c		29c
2332. Single open circuit.....40c		24c
2334. Single closed circuit.....45c		26c
2335. Single filament control.....50c		29c

Loudspeaker Outlet Plate

CARTER



Sturdy outlet jack for use where concealed wiring cannot be used. Easily attached to wall or baseboard box. Use with any standard radio plug. Used where neat installations are desired. Wt., 10 oz.

No. 4099. Satin brass finish. List, \$1.00. YOUR PRICE..... 59c
--

Frost Tip Jack



A small, neat cord tip jack for perfect contact. The cord tip is held in a spring clutch and cannot be released until the spring is pushed down.

No. 2346. List per pair, 30c. YOUR PRICE PER PAIR..... 18c

Carter Short Jacks



A small yet rugged jack for use where space is limited. The solder lugs are widely spaced which facilitates soldering. Makes positive contact. Wt., 2 oz.

No.	List Price	YOUR PRICE
No. 2336. Open circuit output type.....25c		15c
2337. Single closed circuit.....30c		18c

Amsco Pin Jacks



Pin jacks for tips of phone and loud speaker cords. Bronze springs make positive contacts. Highly nickle plated.

No. 4124. List, each, 15c. YOUR PRICE..... 10c

Phonograph - Radio Jack Switch

Designed for use in radio receiver set from radio to phonograph. Makes three contacts in left position and two in right position. Similar in construction to jack switches shown above. Wt., 8 oz.
No. 2395. List, \$1.50. **YOUR PRICE..... 88c**

Carter Imp Pilot Switch



A one hole mounting switch with positive make or pilot contact on a quarter turn. Red Pilot light automatically lights. Acts as a constant warning. Wt., 6 oz.
No. 4125. List, \$1.50. **YOUR PRICE..... 88c**

Carter Dialite Switch



Efficient filament switch provided with a 6 volt lamp for illuminating the panel. A quarter turn switches the light on or off. Highly nickle plated. Wt., 8 oz.
No. 4113. List, \$1.75. **YOUR PRICE..... \$1.03**

Carter Imp Jacks



Conceded to be the most rugged, lasting and reliable a tin jack on the market. Highly nickle plated. High tension spring makes positive gripping contact.

No. 4128. List, 30c. YOUR PRICE..... 18c

Walbert Panel Light



Used for illuminating the control dials. Wired into the A circuit, they are always "on" when the set is in use. Highly nickle plated hood. Complete with bulb. Wt., 6 oz.
No. 4126. Nickel. No. 4127. Gold. List, \$1.00. **YOUR PRICE..... 58c**

A. C. Switches, Cables, Multi-Plugs

HAGLE PLUGS AND CABLES

A superior power plug and cable incorporating many new refinements in design; housing of brown bakelite. Unaffected by heat or moisture. They are easy to wire—they plug into the socket smoothly, and assure perfect conduction. Their special construction prevents twisting of conductors. Furnished complete with 5-ft. cable.

Plug with 5-Ft. Cable	7 Contact No. 5794. 1.32	10 Contact No. 5795. 1.91
Wall Outlet Socket	7 Contact No. 5800. 86c	10 Contact No. 5801. 1.03
Panel Mounting Socket	No. 5798. 29c	No. 5799. 59c
Base Mounting Socket	No. 5796. 44c	No. 5797. 73c

A. C. Toggle Switch

A high quality switch made by manufacturers of high electrical apparatus. Approved by Underwriters' Laboratories. Suitable for radio line and lamp fixtures. Wt. 6 oz.

No. 5802. **29c**
YOUR PRICE

Carter Power Switch

For use with AC sets, etc., on 110 volts circuit. Wt. 10 oz.

No. 4 197.
Retail. 75c.
YOUR PRICE **44c**

Automatic Power Switch

Replaces relay—will control any kind of A or B supply. Wt. 1 lb.

No. 4101. Retail. **88c**
\$1.50. YOUR PRICE

Pilot A.C. Switch

High grade Bakelite Toggle Switch, designed to handle up to 1 1/2 amps. at 110 volts.

suitable for the new AC Receivers. Equipped with brown and silver metal front plate. Wt. 6 oz.

No. 5803.
Retail. 45c.
YOUR PRICE. **26c**

Trio Tap

A three-way pin-type cluster with standard parallel prongs to fit into any standard receptacle.

No. 2384.
YOUR PRICE **11c**

Two and Three Way Plugs

Screws into any light socket. Exceptionally well designed and constructed.

No. 2381. Two way plug. YOUR PRICE 20c	No. 2382. Three way plug. YOUR PRICE 46c
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A. C. Power Switch

An exceptionally well constructed auto-power switch, single end, built with solder lug. Positive contact controls A.C. current of panel. Inscribed with approval by Underwriters' Laboratories. Wt. 6 oz.

No. 5804.
YOUR PRICE **31c**

Frost Filament Switch

A compact efficient push-pull type filament switch. Easy to install. Makes positive contact. Wt. 6 oz.

No. 4119.
YOUR PRICE **18c**

EXTENSION CORD SETS

Six feet of No. 18 twisted lamp cord. Brass shell socket on one end. Two-piece separable plug on other end.

No. 2389.
YOUR PRICE **59c**

Yaxley Cable Connector Plug

Standard Yaxley Cable Connector Devices, as specified in most of the popular kits.

TYPE 660. Consists of 5 ft. 7-strand connector cable type socket. **1.76**

TYPE 669. Similar to type 660, but with addition of two phone tip jacks for loud speaker connections. **1.91**

TYPE 612. A 4 ft. 12-conductor cable similar to type 660. **2.94**

No. 5807. YOUR PRICE **2.94**

TYPE 614. Similar to type 612, but equipped with two extra jacks for loud speaker connection. **3.09**

No. 5808. YOUR PRICE **3.09**

Extra Tap

Doubles the capacity of a single tin type receptacle.

No. 2383.
YOUR PRICE **14c**

Socket Plug

A two-piece socket plug for screw or wall socket outlet. A real value.

No. 2385.
YOUR PRICE **7c**

Lamp Cord Connector

Used for coupling two lengths of lamp cord. Quickly makes or breaks contact. Not lamp cord extension.

No. 2386.
YOUR PRICE **19c**

Mica Fuse Plugs

15-amp. size, with clear mica window. In universal design.

No. 2390.
YOUR PRICE **3c**

E LIMINATES the unsightly maze of loose wires between the radio set and batteries. Permits the instant connection or disconnection of all wires to set or accessories. Simplifies the wiring of receivers. So designed that it cannot be plugged in wrong.

JONES MULTIPLUG

THE STANDARD CONNECTOR

C ONNECTION for ground, aerial and all batteries is provided. Eliminates all chance of errors or burnt out tubes. Three types of sockets make possible a fine workmanlike connecting job on any set. Noted for excellent design and fine workmanship.

TYPE BP Cable

Base mounting type—may be screwed down to wooden base board or sub-panel.

Extension Plug

Double Plug

Furnished with 18 in. leads.

For sets already equipped with binding posts.

SOCKETS

Sockets only for use on different sets permitting universal use of cable.

TYPE PM MOUNTING	7 Contact No. 5764. 29c	10 Contact No. 5765. 44c	12 Contact No. 5766. 59c
TYPE MP FOR METAL PANELS	No. 5767. 44c	No. 5768. 59c	No. 5769. 73c
TYPE WB FOR WALL BOX	No. 5770. 44c	No. 5771. 59c	No. 5772. 73c
TYPE BM FOR BASE MTG.	No. 5773. 44c	No. 5774. 59c	No. 5775. 73c
TYPE BP WITH 18 IN. LEADS	No. 5776. 59c	No. 5777. 73c	No. 5778. 88c

Consists of six foot cable with plugs on each end. For extensions, etc.

DOUBLE PLUGS	7 Contact No. 5779. 1.76	10 Contact No. 5780. 2.79	12 Contact No. 5781. 3.53
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TYPE BM	7 Contact No. 5752. 1.47	10 Contact No. 5753. 1.91	12 Contact No. 5754. 2.50
WITH 8 FOOT CABLES	No. 5755. 1.62	No. 5756. 2.65	No. 5757. 3.38
TYPE BP	7 Contact No. 5746. 1.82	10 Contact No. 5747. 2.06	12 Contact No. 5748. 2.65
WITH 8 FOOT CABLES	No. 5749. 1.76	No. 5750. 2.79	No. 5751. 3.53

TYPE PM PANEL MOUNTING TYPE	7 Contact No. 5740. 1.32	10 Contact No. 5741. 1.76	12 Contact No. 5742. 2.35
WITH 8 FOOT CABLES	No. 5743. 1.47	No. 5744. 2.50	No. 5745. 3.23
TYPE WB	7 Contact No. 5758. 1.03	10 Contact No. 5759. 1.32	12 Contact No. 5760. 1.76
WITH 8 FOOT CABLES	No. 5761. 1.18	No. 5762. 2.06	No. 5763. 2.65

PLUGS ONLY

Offered for those who desire plug alone.

7 Contact	No. 5782. 44c
10 Contact	No. 5783. 59c
12 Contact	No. 5784. 73c

Consists of six foot cable with plug on one end, and socket on other end.

EXTENSION PLUGS	7 Contact No. 5791. 1.76	10 Contact No. 5792. 2.79	12 Contact No. 5793. 3.53
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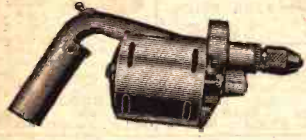
Plugs with Cables

Here you are offered plugs with cables—for use where more than one set is being used.

WITH 4 FOOT CABLES	7 Contact No. 5785. 1.03	10 Contact No. 5786. 1.32	12 Contact No. 5787. 1.76
WITH 8 FOOT CABLES	No. 5788. 1.18	No. 5789. 2.06	No. 5790. 2.65

Tools, Soldering Irons, Blow Torches

RADIO ELECTRIC DRILL



A new high speed electric punch drill designed for working in soft and hard woods, metals, bakelite, etc.

An exceedingly high quality electric drill worth twice the price at which we sell it. Has pistol grip and toggle switch in the handle. Chuck will accommodate any drill up to 3/16 in. size.

Ruggedly Constructed

Motor and all parts fully housed. High grade chuck. A necessity for every serviceman. Equipped with cord and plug.

No. 2643. **YOUR SPECIAL PRICE \$15.20**

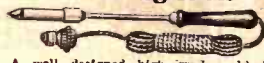
American Beauty Soldering Iron



Genuine American Beauty Iron with standard laboratory element. Complete with 3/8 in. tip. Recommended to those who want a high grade heavy duty soldering iron. Measures 12 1/2 in. long. Wt. 2 lbs.

- No. 2514. List Price, **\$5.25**
YOUR PRICE.....
- No. 2515. Extra tip. **45c**
Wt. 6 oz. NET.....
- No. 2550. New 50-watt iron using less heat. Used for telephone or radio. Wt. 18 oz. List Price, **\$2.93**
\$4.50

Electrahot Soldering Iron



A well designed high grade soldering iron that can be depended upon for years of service. Furnished with two interchangeable tips; one for fine close-in work, the other for heavy work. Complete with cord and two piece separable plug. A real value. Wt. 1 lb.

- No. 2512. Large Iron. **\$1.28**
YOUR PRICE.....
- No. 2513. Heavy Duty Iron. **\$1.88**
YOUR PRICE.....

Socket Wrench Set



No. 2506. A set consists of 5 sockets, to fit 1/8, 3/16, 1/4, 5/16 and 3/8 inch hexagon nuts. Attractive, ebony finished handles. Wt. 8 oz.
YOUR PRICE..... 48c

Socket Wrench Set For Knurled Nuts

No. 2500. Similar to the socket wrench set above, except sockets for use with knurled nuts. Wt. 8 oz.
LIST, 75c. NET 44c

Electric Soldering Iron



No. 2545. A high grade well designed carefully constructed iron for 103 to 115 volt current. Complete with 6 foot cord, and two piece separable plug. A high grade dependable iron. Wt. 2 lbs.
YOUR PRICE..... 69c

Hand Drill

No. 2511. A high grade hand drill for radio, with high quality chuck. Takes bits up to 3/8 in. Just the thing for drilling panels, sub-panels, etc. Every set builder should have one of these hand drills in his 600 kit. Wt. 3 1/2 lbs.
YOUR PRICE \$1.15



Blow Torch

No. 2547. Heavy duty blow torch. Develops 2000 degrees F. Size, 7 1/4 x 1 1/2 in. Burns 2 hrs. each filling. Heavy gauge brass. Highly polished. Wt. 1 lb. List. \$3.00. NET **\$1.95**



Blow Torch Automatic

No. 2501. A high grade self-blowing alcohol torch that generates its own pressure. Blows long, hot and intensive flame. Handy for all soldering jobs. Wt. 12 oz.
YOUR PRICE 75c



Hack Saw

No. 2526. Built to withstand hard use. Expands to hold 12 in. blade. Black enamel handle. Wt. 2 lbs.
YOUR PRICE..... 25c



Set of Drills

No. 2525. High quality carbon steel drills. Set of 4 drills: 4/36, 3/32, 8/32 and 14/32. The necessary sizes for radio set builders. Wt. 4 oz. Set of four. NET..... **29c**

Counter Sink

No. 2507. For counter-sinking holes in panels, sub-panels, etc. To prevent screw heads from protruding. Fits standard drill. Wt. 6 oz. NET..... **15c**

Reamer

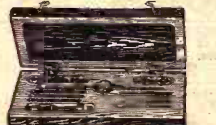
For enlarging holes in bakelite, etc. Keen cutting edge. Wt. 6 oz. NET..... **17c**

Panel Cutter

No. 2519. A practical tool for cutting circular holes in panels, sub-panels, etc. Adjustable 1/4 to 6 in. Shank. Wt. 1 lb. List Price \$3.15. **YOUR PRICE \$1.85**



Tap and Die Set



No. 2548. Complete set of 6 1/2 in. long stock and adjustable tap wrench and dies to cut 4/36, 6/32, 8/32, 10/24, 11/28. Standard ratio sizes. Wt. 3 lbs. List Price, \$8.50. **\$5.60** NET

Screw Drivers

Fine tool steel narrow blade screw drivers designed for radio work. **YOUR PRICE**

- No. 2516. 2 in. 6 oz. **EACH**
- No. 2517. 3 in. 6 oz. **9c**
- No. 2518. 5 in. 8 oz. **9c**

Radio Center Punch

No. 2549. A high grade steel center punch with narrow handle and hardened point. Wt. 6 oz. NET **10c**

Carborundum Auto Stone

No. 2499. Cuts faster than steel file. For cleaning or cutting. Wt. 6 oz. List 50c. **YOUR PRICE 38c**

Solderall

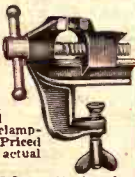


No. 2524. Popular paste form of solder that makes perfect joints with the heat of a match. The necessary flux is already mixed with the solder. Handy collapsible tube. Wt. 4 oz. List, 25c. **YOUR PRICE..... 16c**

Radio Vise

A handy tool for the set builder and experimenter. Well constructed with a substantial screw-type clamping base. Priced well below actual value.

- No. 2520. 1 1/2 in. Jaw. Over all 3 in. Small and compact. Wt. 3 1/2 lbs. **29c** NET, EACH.....
- No. 2521. 2 in. Jaw. Over all 6 1/2 in. Heavy duty type frame black enamelled with bright orange trimmings. Wt. 6 lbs. **EACH..... 60c**
- No. 2522. 2 1/2 in. Jaw. Over all 8 1/2 in. A real tool for the work shop. Wt. 8 lbs. **NET EACH..... 95c**



Rosin Core Solder

No. 2509. A high grade solder made of virgin tin and lead with rosin core. Non-corrosive. Ideal for radio work. In 1/2 lb. coils. Wt. 6 oz. **17c** NET PRICE Per 1/4 LB.

Long Nose Side Cutting Pliers

No. 2502. Long flat nose reaches into inaccessible corners. Side cutting. Wt. 12 oz. NET **42c**

Diagonal Cutting Pliers

No. 2503. A necessary tool for radio work. Fine tool steel with hardened cutting edge. Wt. 10 oz. **YOUR PRICE..... 45c**

Long Nose Pliers

No. 2504. Slender nose for inaccessible places. Finest forged tool steel. Wt. 12 oz. **YOUR PRICE..... 42c**



Specials for the Set Builder!

Push Back Wire



A flexible colored hook-up wire that has proven popular with set builders. It is a set wiring easy. Permits wiring in different colors. Packaged 25 foot rolls in cartons. Wt. 6 oz. YOUR PRICE PER ROLL

- No. 2401. Black
- No. 2402. Yellow
- No. 2403. Red
- No. 2404. Green
- No. 2405. Brown

45c

SPAGHETTI COVERED BUS BAR WIRE



A spaghetti covered No. 14 hard drawn copper wire tinned for easy soldering. Assorted colors. 2 1/2 ft. lengths. Wt. 2 oz.

- No. 2406. Black
- No. 2407. Yellow
- No. 2408. Red
- No. 2409. Green

6c

RUBBER COVERED HOOK-UP WIRE

A high grade stranded, tinned copper wire. Rubber insulated. Best for short leads and ease of slipping in. Supplied in 25 ft. rolls. Wt. 6 oz.



- No. 2410. Red
- No. 2411. Green
- No. 2412. Blue
- No. 2413. Black
- No. 2414. White

List Price. YOUR PRICE PER 100 FEET **24c**

MAGNET WIRE

A high quality magnet wire widely used for winding coils, etc. Put up in 1/8 lb. spools. Every set builder should have some on hand. Wt. 12 oz.

No. Ga. Price	No. Ga. Price
2480 14 21c	2485 24 36c
2481 16 24c	2486 26 52c
2482 18 28c	2487 28 71c
2483 20 30c	2488 30 74c
2484 22 35c	2489 32 76c

No. Ga. Price	2493 22 25c
2490 16 21c	2494 24 27c
2491 18 22c	2495 26 30c
2492 20 24c	2496 28 32c

Switch Points and Stops



Solid brass highly nickel plated. Well proportioned and adaptable for use where specified. Wt. 3 oz.

- No. 4202. Switch Points.
- No. 4203. Switch Stops.

YOUR PRICE PER **8c**

SWITCH LEVERS

No. 4204. Finely machined switch lever with bronze spring arm assuring perfect contact. Nickel bronzed. Easily mounted. Wt. 4 oz.



YOUR PRICE **10c**

BUS BAR WIRE



Hard drawn copper wire, tinned to facilitate soldering. No. 14 gauge. Square or round. Two-ft. lengths.

No. 2431. Square 10 lengths. Wt. 8 oz. YOUR PRICE 14c

No. 2432. Square 14c lengths (200 ft.) Wt. 3 lbs. YOUR PRICE \$1.4

No. 2433. Round 10 lengths. Wt. 8 oz. YOUR PRICE 13c

No. 2434. Round 100 lengths (200 ft.) YOUR PRICE \$1.05

No. 2435. Round 12 gauge. Special Made No. 12 gauge. Wt. 3 1/2 lbs. YOUR PRICE \$2.10

No. 2436. Round 10 lengths. Wt. 3 1/2 lbs. YOUR PRICE \$2.10

No. 2437. Round 10 lengths. Wt. 13 oz. YOUR PRICE 23c

No. 2438. Round 100 lengths. Wt. 3 1/2 lbs. YOUR PRICE \$2.10

No. 2439. Round 100 lengths. Wt. 3 1/2 lbs. YOUR PRICE \$2.10

No. 2440. Green. LENGTH **8c**

FLEXIBLE SPAGHETTI

High grade enamel tubing. Thoroughly impregnated with insulating varnish. Full 36 inch length. Applied in attractive colors. Wt. 2 oz.

No. 2437. Black. YOUR PRICE 8c

No. 2438. Yellow. YOUR PRICE 8c

No. 2439. Red. PER LENGTH 8c

No. 2440. Green. LENGTH 8c

RADIO SET WIRE



A special soft drawn tinned copper wire. Heavily insulated. Furnished in spools of 100 feet. Handy for the set builder and experimenter. Used as hook-up wire, bell or enunciation wire. Cotton covered. No. 19 gauge. Wt. 1 lb.

No. 2441. YOUR PRICE **60c**

PER 100 FEET **60c**

LITZ LOOP WIRE

Designed especially for use on loop aerials. Conductor consists of 60 strands No. 38 wire with 5 strands No. 36 wire. Will not stretch. Maroon cotton covered. Wt. 1 lb.

No. 2415. YOUR PRICE **65c**

PER 125 FT. **65c**

SILK COVERED LOOP ANTENNA WIRE

A high grade silk covered loop wire of 60 strands No. 38 copper wire and 5 strands No. 36. Outer covering of artificial silk in maroon or green. Will not stretch. Adds to attractiveness of coil. Wt. 1 lb.

No. 2425. YOUR PRICE **85c**

PER 125 FT. **85c**

LITZ WIRE FOR COILS

Consists of 20 strands of No. 38 enameled wire, attractively covered with a double serving of silk. Used in building low-loss coils. Size is equivalent to No. 25 wire. Wt. 14 oz.

No. 2416. YOUR PRICE **65c**

PER 100 FT. **65c**

Fahrenstock Connectors

A perfect connector. Supplied in single and double units. Takes the place of binding posts. Makes perfect contact.

No. 4205. Per dozen single. Wt. 4 oz. YOUR PRICE 1.2c

No. 4206. Per dozen double. Wt. 6 oz. YOUR PRICE 28c

WIRE CONNECTORS Sure Tite



- No.1.
- No.2B
- No.3.
- No.4.
- No.5A

Ideal for the set builder and experimenter. Highly nickel plated brass. Locking screw provides firm positive contact. Wt. 3 oz.

No. 2417. No. 1 Cord Tip.

No. 2418. No. 2B Spade Tip.

No. 2419. No. 3 Wire Suller.

No. 2420. No. 4 Spring Connector—takes tip or bus wire.

No. 2421. No. 5A Cord Tip.

No. 2422. Has screw and washer.

List each, 10c. YOUR PRICE LOTS OF 10 **65c**

Angle Brackets



Highly nickle plated metal brackets. No. 156B 3 in. long. No. 1507 1/2 in. long. No. 1505 3/4 x 1 1/4 in. Sp. duty styles. Wt. 12 oz.

No. 4207. YOUR PRICE **16c**

PER 10 **16c**

INDOOR AERIAL TAPE

Used on indoor aerial installations. Flexible and neat. Wt. 8 oz.

No. 2423. Per 50 ft. roll. YOUR PRICE **30c**

PER 100 FEET **30c**

FLAT Braidite



Highly nickel plated. Moisture proof covering. Can be pushed back for soldering. Coils of 25 feet. Wt. 6 oz.

No. 2442. Red. List 35c each. YOUR PRICE 24c

No. 2443. Green. PER COIL 24c

No. 2444. Yellow. PER COIL 24c

No. 2445. Brown. PER COIL 24c

No. 2446. Black. PER COIL 24c

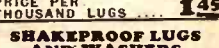
YOUR PRICE **23c**

PHONE TIPS



Highly nickel plated, standard size. Phone tips. Wt. 4 oz. Special Price Per Doz. **29c**

SOLDERING LUGS



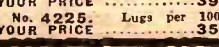
Tinned copper soldering lugs. Wt. 20c.

No. 4282. YOUR PRICE **20c**

PER 100 **20c**

No. 4283. YOUR SPECIAL PRICE PER THOUSAND LUGS **145c**

SHAKEPROOF LUGS AND WASHERS



Soldering lug and washer of phosphor bronze. Will not jar loose. Wt. 4 oz.

No. 4226. Washers per 100. YOUR PRICE **39c**

No. 4227. Washers per 100. YOUR PRICE **39c**

No. 4225. Lugs per 100. YOUR PRICE **35c**

SCREW ASSORTMENTS

A handy assortment of wood screws, machine screws, nails and washers, in sizes most needed. Low retail value. Wt. 12 oz.

No. 4149. List Price **29c**

YOUR PRICE **29c**

Round Head Wood Screws

Sizes 5 and 6. Per Gross

No. 4213. Length 3/8 in. **42c**

No. 4214. Length 1/2 in. **51c**

No. 4215. Length 5/8 in. **54c**

Oval Head Wood Screws

Sizes 6 and 7. Proper size for radio work. Wt. 6 oz. Per Gross

No. 4211. Length 3/4 in. **47c**

No. 4212. Length 7/8 in. **48c**

MACHINE SCREWS Round Head

Threaded full length. No.

No. 4208. Length 1/2 in. Wt. 6 oz.

No. 4209. Length 3/4 in. Wt. 8 oz.

No. 4210. Length 1 in. Wt. 12 oz.

YOUR PRICE PER GROSS **22c**

MACHINE SCREWS Flat Head

For counter-sinking. 6-32 thread. No.

No. 4216. Length 1/2 in. Wt. 6 oz.

No. 4217. Length 3/4 in. Wt. 8 oz.

No. 4218. Length 1 in. Wt. 12 oz.

YOUR PRICE PER GROSS 45c

MACHINE SCREWS Oval Head

For counter-sinking. 6-32 thread. Oval head, neat appearing. No.

No. 4219. Length 1/2 in. Wt. 6 oz.

No. 4220. Length 3/4 in. Wt. 8 oz.

No. 4221. Length 1 in. Wt. 12 oz.

YOUR PRICE PER GROSS 48c

FLAT WASHER

No. 4280. Highly nickle plated brass washer. Wt. 4 oz.

YOUR PRICE **25c**

HEXAGON NUTS

Nickel plated brass. Chamfered and countersunk for close assembly. For 6-32 and 8-32 thread. Wt. 8 oz.

No. 4284. 6-32. **47c**

No. 4285. 8-32. **47c**

YOUR PRICE PER GROSS **47c**

PANEL LIGHT

Highly nickel plated, hooded light for illuminating dials. Complete with 6 volt, 2 C. P. bulb. Wt. 6 oz.

No. 4120. List 75c. YOUR PRICE **43c**

Inductance Switches

A high grade sturdily constructed contact inductance switch furnished complete with pointer knob. Wt. 6 oz.

No. 4118. 4 point \$1.00

4117. 7 point 1.15

4118. 9 point 1.25

YOUR PRICE **74c**

Panels, Brackets—Binding Posts

LIGNOLE PANELS



TWO-TONE BEAUTIFULLY INLAID

Lignole radio panels add attractiveness to the receiver. Their natural wood finish blends harmoniously with the cabinet. Genuine laminated ply wood. Will not warp. A 3/4 in. beautiful marquetrie of satin wood and white holly trims the outside edge, producing a beautiful two-tone effect. Easy to drill with wood or metal twist drills. Av. 3 lbs.

No.	Size	List	NET
4601	7x21	\$6.94	4.20
4602	7x18	6.52	
4603	7x24	7.36	4.50
4604	7x26	7.36	
4605	7x28	7.92	4.90
4606	7x30	8.20	

Genuine Bakelite Panels

Genuine bakelite in glossy black, mahogany or walnut. Finest panel material. Our enormous stock and buying capacity enables us to offer the very best in paneling at greatly reduced prices. Our large stock assures prompt shipments. Av. wt. 2 lbs.

No.	Each	Inches	Panel Size	
			No.	Each
4607	50.58	7x6	4613	50.58
4608	77	7x9	4614	.91
4609	.85	7x12	4615	1.25
4610	1.23	7x14	4616	1.32
4611	1.33	7x18	4617	1.75
4612	1.49	7x21	4618	2.10
		7x24	4619	2.40
		7x26	4620	2.55
		7x28	4621	2.78
		7x30	4622	3.05

Supplied in 3/8-inch only.

Genuine Bakelite Sub-Panels

Will be furnished at square inch rate. Any size. Panels Cut to Your Size

3/8-inch Thick	Per square inch	1.50
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Ve e Dee Metal Panels

Beautifully decorated metal panels. Strikingly finished in attractive natural wood grains. Acts as shielding for the set. Metal panels are easy to drill. This is the latest in panel beauty and design. Av. wt. 3 lbs.



No.	Size	List	NET
4637	7x18	\$1.80	\$0.98
4638	7x21	2.10	1.17
4639	7x24	2.40	1.32
4640	7x26	2.60	1.48
4641	7x28	2.80	1.55
4642	7x30	3.00	1.66

Goodrich Silvertown Rubber Panels

The finest quality hard rubber panels. Nationally advertised. Perfect size. Non-warping. Each in genuine Goodrich Silvertown envelope. 1/4 in. thick. Easy to work. Av. Wt. 3 lbs.

No.	Black	Inches	No.	Walnut or Mahogany
4623	\$.057	7x12	4630	\$.072
4624	.75	7x14	4631	.88
4625	.93	7x18	4632	1.14
4626	1.09	7x21	4633	1.32
4627	1.25	7x24	4634	1.47
4628	1.37	7x26	4635	1.68
4629	1.47	7x30	4636	1.85

Bakelite Tubing

Genuine bakelite, designed especially for winding low-loss coils. 3 in. lengths with 1/8 in. thick wall. Inside diameter given.

No.	Diameter	Each
2539	2 in.	14c
2540	2 1/4 in.	16c
2541	3 in.	19c
2542	3 1/2 in.	22c

Threaded Tubing—Bakelite

No. 2535. For winding low-loss, space-wound coils and inductances. Threaded with 104 turns, 33 threads to the inch. Measures 1 1/8 x 1/4 in. outside diameter, 1/4 in. wall. Accurately covers the broad-cast band with .00035 condenser.

YOUR PRICE	21c
EACH	

Lettered Binding Posts



No. 4177. Special engraved binding posts. Highly polished. Simplifies connections. Set of seven: A+, A-, B+, B+Det., B-, aerial and ground. Wt. 10 oz. List. 50c Per Set. YOUR PRICE... 21c

XL Push Posts



No. 4142. Positive contact all metal binding posts. Push top, insert wire or phone tip. Furnished with lugs and the following markings: Ant., Gnd., Phones, Speaker, A+, A-, B+, B2, B2+, C+, C+, Loop.

List, 15c. YOUR PRICE 9c

Eby Ensign Binding Posts

Patented. Non-removable engraved tops. Complete with nut and soldering lugs.

- No. 4151. Ant.
 - No. 4153. Short Ant.
 - No. 4154. Gnd.
 - No. 4155. Loop
 - No. 4156. Speaker +
 - No. 4157. Speaker -
 - No. 4158. A Bat. +
 - No. 4159. A Bat. -
 - No. 4160. B Bat. +
 - No. 4161. B Bat. -
 - No. 4162. C Bat. +
 - No. 4163. C Bat. -
 - No. 4165. 45 volts +
 - No. 4166. 60 volts +
 - No. 4167. 90 volts +
 - No. 4168. 135 volts +
 - No. 4169. 150 volts +
 - No. 4170. R-F Power
 - No. 4171. B Det. +
 - No. 4173. C-Power
 - No. 4175. +
 - No. 4176. -
 - No. 4176. Plain.
- List Price, each, 15c. YOUR PRICE 9c

Bakelite Binding Post Strip

Marked binding posts with soldering lug mounted on bakelite strip. Accessible terminals. Holes for mounting. Wt. 8 oz.

No. 4131.	5-Post Strip, B+	24c
A+, A-, B+, B- + B+Det.		

No. 4132. 7-Post Strip; Ant., Gnd., A+, A-, B+, B-, B+Det.	29c
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XL Push Post Strips

No. 4143. Highly polished bakelite strip mounted with seven XL push posts. XL push posts have a positive grip. No screwing. Wt. 8 oz. List Price, \$1.50. YOUR PRICE 85c

Baseboards

Wood baseboards. Well seasoned. No capacity effect or leakage. Well stained. 3/8 to 1/2 inch thick. Wt. 1-5 lbs.

No.	Size	NET
4650	6 1/2 x 17 in.	2.30
4651	6 1/2 x 20 in.	2.6c
4652	6 1/2 x 23 in.	2.9c
4653	9 x 17 in.	3.5c
4654	9 x 21 in.	3.9c
4655	9 x 23 in.	4.5c
4656	9 x 29 in.	5.5c
4657	14 x 17 in.	5.0c
4658	14 x 20 in.	5.5c
4659	14 x 23 in.	6.5c
4660	14 x 29 in.	7.8c

Battery Cable



Flexible color coded battery cable. 3 ft. 3 stranded rubber covered wire with a colored cotton braid enclosed in mercerized cotton cable braiding. Wt. 4, 1 1/2, 2 lbs. NET

No. 4517. 25 ft. coil 5-wire cable.	1.20
No. 4518. 25 ft. coil 6-wire cable.	1.50
No. 4519. 25 ft. coil 7-wire cable.	1.80

Binding Post Mounting Strips

Drilled for mounting binding posts. 3-16 inch thick. Strips unlettered.

No. 4661. For 10 posts.	30c
No. 4662. For 9 posts.	26c
No. 4663. For 8 posts.	22c
No. 4664. For 7 posts.	20c
No. 4665. For 6 posts.	18c
No. 4666. For 5 posts.	16c
No. 4667. For 4 posts.	15c
No. 4668. For 3 posts.	14c
No. 4669. For 2 posts.	13c

Eby Binding Post Strip

No. 4144. Seven Eby binding posts having markings Ant., Gnd., A+, A-, B+, B+Det. + B.Amp. mounted on binding post strip with brackets and wood screws. Wt. 10 oz. List Price, \$1.25. YOUR PRICE 73c

Crystals — Extension Cords — Switches

EXTENSION CORD and PLUG



Complete extension cord set, complete with plug. For coupling loud speaker to extension cord. Best results are obtained when speaker is kept at a distance from the set. High quality cord with genuine bakelite connector plug. Wt. $\frac{1}{2}$ to 1 lb.

No. 2391. 10 ft., with plug. **44c**
YOUR PRICE.....

No. 2392. 20 ft., with plug. **52c**
YOUR PRICE.....

No. 2393. 50 ft., with plug. **\$1.20**
YOUR PRICE.....

Stranded Wire RUBBER-COTTON COVERED

Exceptionally high grade cord of finely stranded copper wire, rubber covered, high quality brown mercerized cotton. Complete with connector plug. Wt. 1 lb.

No. 2475. 10 ft., with plug. **44c**
Retail, 75c. YOUR PRICE.....

No. 2476. 20 ft., with plug. **59c**
Retail, \$1.00. YOUR PRICE.....

No. 2477. 50 ft., with plug. **\$1.03**
Retail, \$1.75. YOUR PRICE.....

RAYON COVERED

A high grade stranded, rubber covered extension wire, with Rayon, in an attractive Old Gold color. Wt. 1 lb.

No. 2478. 20 ft., with plug. **79c**
Retail, \$1.35. YOUR PRICE.....

No. 2479. 50 ft., with plug. **\$1.47**
Retail, \$2.50. YOUR PRICE.....

EXTENSION PLUGS

No. 2394. Bakelite connector for speaker and extension cord. Will couple speaker and extension cord so that loud speaker may be moved any distance from the set. Wt. 1 oz.

18c
YOUR PRICE.....

Morris Ground Clamps

New, rugged, adjustable ground clamp. Bites into metal pipe through rust or corrosion for perfect contact. A perfect ground connection is a necessity to every set. Be sure you have a good ground. Wt. 3 oz.

No. 4148. **10c**
YOUR PRICE.....
EACH



NEW PANDORA CRYSTAL SETS

One of the outstanding set values of the season. Nationally known. Exceptionally simple adjustment. Covers entire broadcast band, providing a 20 to 30 mile range—greater range on high powered stations. Perfect tone quality. An unusual value. Wt., 2 lbs. No. 4146. List Price, \$1.75. **98c**
YOUR PRICE.....

Pandora Sets, Completely Equipped

The Celebrated Pandora Crystal Set, with all accessories, ready to be set up and put into operation. Includes all necessary ground and aerial equipment with high quality head phones. A quality combination at a low price. Wt. 8 lbs. No. 4147. **\$3.80**
Your Special Price



CRYSTALS FOR CRYSTAL AND REFLEX SETS

MOUNTED CRYSTALS

No. 4133. Silicon, galena and carbonium combination. Complete surface is sensitive. Thoroughly tested. Wt. 2 oz. **10c**
NET

Unmounted Crystals

No. 4134. Genuine Galena Crystal, unmounted. Six sensitive sides. Wt. 2 oz. **4c**
NET

Meter Tested Crystals

These are exceptionally fine quality crystals. Laboratory tested on sensitive meters. Wt. 2 oz. No. 4195. Silicon. No. 4196. **39c**
NET

CARBORUNDUM STABILIZING UNIT

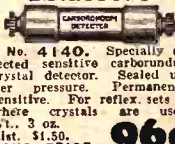
Revolutionizes crystal detectors. As easy to control as a vacuum tube with a rheostat. Operates with flashlight cell at peak of efficiency. Full control of oscillation. Replace old crystal with this unit and realize full efficiency from any circuit. Requires small flashlight cell. Wt. 1 lb. **\$2.20**
NET

No. 4141. List Price, \$3.50. **1.90c**
YOUR PRICE WITHOUT CELL.....



CARBORUNDUM DETECTORS

No. 4140. Specially selected sensitive carborendum crystal detector. Sealed under pressure. Permanently sensitive. For reflex sets or where crystals are used. Wt. 3 oz. List, \$1.50. **96c**
YOUR PRICE.....



MIKROPHONE BUTTONS

Carbon granule type. Can be applied to any vibrating surface or diaphragm. Used for broadcast modulation; for telephone and repair work; for detectophones; stethoscopes, amplifiers, etc. Offers the means of building a powerful speech amplifier. Instructions included. Wt. 4 oz. No. 2422. Retail Price, **65c**
\$1.00. YOUR PRICE.....



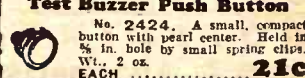
TEST BUZZER

No. 2423. Watch case buzzer. Polished nickel finish. Diam. 2 1/2 in. Sling. wt. 4 oz. **76c**
EACH

No. 2424. A small compact button with pearl center. Held in 3/4 in. hole by small spring clips. Wt. 2 oz. **21c**
EACH



Test Buzzer Push Button



MINIATURE SWITCHES

Small, reliable switches—neat, for panel or baseboard mounting. Nickel-plated arm and contacts. Base and handle, hard rubber. Single-throw, 1 1/2 in. long. Double-throw, 2 1/2 in. long. Wt. 8 oz. No. 2426. Single-Pole, Single-Throw. **36c**
 No. 2427. Single-Throw, Double-Throw. **42c**
 No. 2429. Double-Pole, Double-Throw. **60c**



PORCELAIN KNIFE SWITCHES

Heavy copper blade and contacts, insulated handle. Porcelain base. Screw terminals. Superior for antenna, grounding or battery charging switch. Wt. 1 lb. No. 6007. Single-Pole, Single-Throw. **13c**
 No. 6008. Single-Pole, Double-Throw. **21c**
 No. 6009. Double-Pole, Single-Throw. **23c**
 No. 6010. Double-Pole, Double-Throw. **30c**

C. R. L. Station Selector

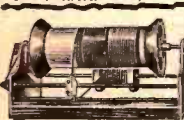
Not a Wave Trap

Tunes out short wave interfering stations. Increases selectivity of any set on stations close to locals. No adjustment. Simply turns on and off. It is impossible to separate stations that transmit on the same wave length. Stations that broadcast close enough to each other to cause interference, however, may be separated with ease with the Central station selector. Makes local stations tune sharply. Simple to install, just connect it in series with antenna lead in. No. 66212. List Price, \$1.00. **58c**
PRICE



RADIO INSULATING CEMENT

No. 4145. Used to hold wire coils when wound on form. Also for self-supporting coils. Dries quickly and forms a firm. Splendid insulator and free from capacity effect. Wt. 1 lb. **18c**
YOUR PRICE.....



WIZARD COIL WINDER

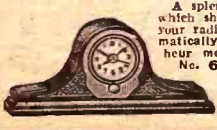
Winds any style coil with silk enamel or cotton wire of any thickness from 3/8 to 3/4 inch diameter up to 10 inches in length. Adjustable automatic feeder and spacer. Hatcher gear prevents wire loosening. Insures uniform coils of finest workmanship. Coils cannot come undone once they have been anchored. Gives that desirable factory touch to the coils. Slang. wt., 3 lbs. No. 6222. List Price, \$7.50. **\$5.00**
NET

Time Lite Electric Time Switch Clock

A splendid quality beautiful clock fitted with an electric switch device which shuts off radio set at any time you wish. Permits you to leave your radio set operating for any length of time and the clock will automatically switch off the set at a predetermined time. A reliable 30 hour movement. Uses no current.

No. 6213. For battery and B eliminator operated sets. **\$3.90**
YOUR PRICE.....

No. 6223. For A.C. sets or sets with A eliminators. Will break 110 volt circuit. **\$5.01**
List \$8.50. YOUR PRICE.....



Fast Selling Special Features

Combination Waffle Iron Grill, Toaster, Table Stove



Four appliances in one unit for quickly, easily and economically preparing breakfast, lunch or dinner on the dining room table.

Waffle Iron

Connect plug on the two center terminals for baking full 7 in. waffles without grease or smoke. Deliciously crisp and brown. Iron is of heavy cast aluminum with nichrome heating units in each half.

Broiler or Grill

By switching to the grill portion of this wonderful combination appliance, steaks, chops, bacon, etc., will be grilled so quickly that all the juices will be retained giving a delicious flavor.

Toaster

By plugging into the toaster section deliciously crisp golden brown toast may be made quickly. All parts highly polished nickel over copper. Handsome appearance. Generous 10" tray will catch all drippings and protect table. Furnished with two piece attachment plug and heater plug with built in thumb switch. Broiling pan furnished is large and deep. Ebony legs, no metal can scratch table.

Guaranteed. Manufacturer guarantees this unit against burn out for two years and agrees to replace heating units within two years of sale. The Biggest Appliance Value and the Greatest Holiday Feature Ever Offered.

As a waffle iron alone it is well worth our special feature **\$7.00**
 No. 8235. List \$12.00. YOUR PRICE.....

GOLD SEAL Bowl Heater

Oversize 14-inch solid copper highly polished reflector. Nichrome element. A real handsome heater and one of the fastest sellers. Well constructed. Shipped complete with cord and plug. Wt. 3 lbs. **\$3.27**
 No. 88546. List. **\$3.27**
 \$5.00. YOUR PRICE.....



No. 88547. Heater elements for all standard heaters. Cone shaped, porcelain core. List, \$0.60. **40c**
 YOUR PRICE.....

Appliance Cord With Switch Plug

Standard appliance plug with built in double contact bronze switch. Plug has phosphor bronze contacts. Furnished with six feet of flexible blue and gold heater cord with standard two piece socket plug. Wt 1 lb. **59c**
 No. 8234. List **59c**
 \$1.00. NET.....



Gold Seal Reversible Toaster



A toaster of special construction toasting the bread evenly without bulging, scorching, or burnt centers. Nickel plated, including 6 ft. cord — an extraordinary **\$2.30**
 No. 88223. List Price **\$2.30**
 \$3.50. YOUR PRICE.....

Electric Cigar Lighter



A neat and serviceable combination of lighter and blue tinted glass ash tray of generous size and weight. Finished in nickel silver. Simply plug the cord into any electric light socket. Press the button and immediately the lighter is glowing hot. No flints—no inflammable liquids. A true electric lighter. Heating element is replaceable. Wt. 1 lb. **\$2.39**
 No. 8238. List \$3.75. **\$2.39**
 NET.....
 No. 8239. Extra Heating Unit. **48c**
 Wt. 6 oz. List, \$0.75. NET.....

Handy Electric Cigar Lighter

Plug into any electric light socket, press the button on the lighter stand and the heating element instantly glows at a red heat. Furnished with six feet of braided cord and separable plug for use on any 105 to 120 volt current either A.C. or D.C. Antique verdigris finish. Diameter of base 3 1/2 in. Height 5 in. **\$1.18**
 No. 8240. List \$2.00. **\$1.18**
 NET.....
 ARTISTIC MODEL
 Sterling silver plate. Handsome Butler silver finish. No. 8241. List \$3.75. NET... **\$2.21**



HOT POINT Automatic Toaster



Adjustable automatic time control. When the bread is automatically shut off. All that is necessary is to set the automatic time control and turn on current. Keeps the toast hot until served. Toasts two slices at a time. Toaster type—turns the toast. Shipping weight 5 lbs. **\$7.16**
 No. 8236. List \$9.75 **\$7.16**
 \$10.00 to 120 volt. YOUR PRICE.....

Dialite Lamp



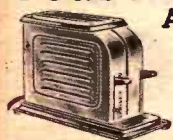
Radio lamp beautifully finished in gold. Placed on the top of the radio set and connected with the battery it will light up the panel of the radio set without glare. Has weighted base and three foot cord. Connects with any six volt storage battery. Furnished complete with bulb, adjustable arm and shade. Small, light and portable. Wt. 5 lbs. **\$1.18**
 No. 6216. List \$3.00. **\$1.18**
 NET.....

Eagle Radio Lamp

No radio set is complete without this beautiful lamp. The correctly shaped reflector diffuses a soft glow on the panel of the set and enables the operator to tune in easily. Light is reflected right to the panel and does not glare. Finished in statuary bronze with six feet of silk cord and attachment plug. Wt. 2 lbs. **\$2.65**
 No. 6217. List \$4.50. YOUR PRICE.....



Toastmaster Automatic Toaster



Always makes perfect golden brown slices of toast. Drop in a slice of bread, press a lever and when the toast is done the current is automatically turned off. Both sides are toasted at the same time in an enclosed oven. Takes only half the time to toast a slice of bread this way than is possible when each side is toasted singly. Wt. 3 lbs. **\$8.99**
 No. 8237. List \$12.50. **\$8.99**
 NET.....

Electric Christmas Tree Outfit—Very Popular Set

Here we offer exceptional quality Xmas tree outfits at a price you would ordinarily pay for a much inferior grade. Consists of 8 Mazda bulbs in assorted colors with constant contact sockets. Lamps cannot work loose—they stay lit—an unusual feature. Has special tapping device with two-piece cord and attachment plug, in a beautifully colored display box that helps sell sets. Approved by National Board of Fire Underwriters. Wt. 2 lbs. No. 8230. List \$2.50. **\$1.48**
 Less than 50 sets, each Mazda **\$1.44**
 50 sets or more, each Mazda **\$1.44**
MAZDA LAMPS
 Do not neglect to provide a supply of these richly colored Mazda bulbs for the coming Holiday season. Packed 100 to a carton made up in assorted tints, or of one color in individual boxes. Supplied in red, blue, canary, green, orange, purple and white, with 15 volt power. Specially color. **12c**
 No. 8231. List each. **12c**
 For carton of 10. 80c. For display carton of 100. \$7.80



HOLIDAY ELECTRICAL SPECIALS

Gold Seal Waffle Iron

Makes full sized, Crisp-golden brown waffles. Nichrome element. 7½ in. diameter waffles. The finest iron you could buy. Metal parts made of brass nickel plated. Well packed. Drip pan prevents batter from dropping to table cover. A wonderful value. Wt. 7 lbs.

No. 8222. List Price **\$4.90**
YOUR PRICE



Gold Seal Pressing Irons



6-Pound Iron

Graceful, easy to handle, durable. Perfectly balanced with perfect shaped handle that does not tire the wrist. Highly finished.

No. 8248. List \$4.50.
YOUR PRICE

3-Pound Iron

Particularly handy for ironing laces and dainty fabrics. Complete with cord and plug.

No. 8249. List \$3.50.
YOUR PRICE

1-Pound Iron

A handy iron for traveling. Extremely small yet quite practical for light work. High nickel finish. Complete with cord.

No. 8250. List \$1.25.
YOUR PRICE

White Cross Waffle Iron



Made of heavy pressed steel with highly polished nickel finish; the grids are of heavy die-cast aluminum. The base extends beyond the iron proper to catch any batter dripping. Specially designed air chamber. Keeps base always cool. Wt. 7 lbs.
No. 8242. List \$6.50.
Complete with cord.
YOUR PRICE

\$4.33

Hotpoint Automatic Iron



Maintains a very low for light degree of heat. Set work; high for heavy — or any heat between.

You don't need to pull the plug, yet the current is automatically turned off a good part of the time. Automatically maintains any desired temperature, irons faster, economical to use, absolutely safe—it can't over heat.

Heat Throttle

Automatic heat control. One piece Hotpoint construction. Thumb-rest. Hinge plug. Rigid handle, heel stand.

No. 8252. List \$8.80.
YOUR PRICE

\$6.47

White Cross Hot Plate



Superior electric stove. Constructed of sheet steel finished in a glossy black color with nickel plated legs. Genuine Nichrome heating element. Size, 9x9x5½. Shipping weight, 5 lbs.

No. 8243. List \$1.50.
YOUR PRICE

96c

White Cross Iron



Tapered point — perfect balance — heel rest — highest quality 6 lb. iron. Mirror or nickel finish. Full length heater.

Best quality two piece attachment cord. Shipping weight 7 lbs.

No. 8245. List \$5.00.
YOUR PRICE

\$1.81

2-Burner Stove



Each burner operates independently or both together. Has individual "On-Off" switches. Constructed of sheet steel, highly finished, triple baked black color with all nickel plated legs. Finest grade Nichrome heating element. Complete with heater cord. Size 9x18x5½. 10 lbs.

No. 8244. List \$4.50.
YOUR PRICE

\$2.87

Gold Seal Curling Iron



Handsome iron furnished in four colors with silk cord. Complete with another cord and plug. Wt. 1 lb.

No. 8207. Blue.
No. 8208. Pink.
No. 8209. Ivory.
No. 8210. Black.
List Each \$1.00.
YOUR PRICE

66c

Gold Seal Heating Pads



Highest quality 3 heating pad. Made of soft virgin wool. Each pad is furnished with a washable slip cover. Has a 9 ft. silk heating cord and a 3 heat switch. Comes in four colors. The biggest heating pad bargain ever offered. Weight each 2 lbs.

No. 8211. Blue.
No. 8212. Rose.
No. 8213. Tan.
No. 8214. Gray.

List Price, each, \$5.50.
YOUR PRICE

\$3.66

Gold Seal 10-Cup Urn Percolator—Colonial Design

Handsomely designed 10-cup percolator. Economical to operate. Special Nichrome heating unit, draws less current than most percolators. Actually begins to percolate within two minutes' time.

Wonderfully finished. Beautiful design non-heating handle and faucet. Shipping weight 5 lbs.

No. 8251. Complete with cord and plug.
List \$7.00.
YOUR PRICE

\$4.57



White Cross 8-Cup Percolator

New 8-cup spray fountain percolator of highest quality. Made of heavy gauge aluminum without seams or welds. No rivets in bottom of pot. Cannot leak.

Has dependable metallic seal. Sealed Nichrome moisture proof element. Furnished with best quality standard length cord with a detachable two piece plug. Will operate from any 105-120 volt AC or DC current. Shipping weight 3 lbs.

No. 8247. List \$3.90.
YOUR PRICE



\$2.49

White Cross 9-Cup Percolator

Made of heavy pure aluminum with absolutely no seams, welds or rivets in bottom of pot. Has new patented spray fountain top. Sealed Nichrome moisture proof heating element. Complete with cord and plug. Operates on any 105 to 120 volt A.C. or D.C. current.

Shipping weight 4 lbs.
No. 8246. List \$5.80.
YOUR PRICE

\$3.69



LAST MINUTE SPECIALS

Genuine Baldwin Units, 60% Off!

\$7.00 Phono Unit—\$2.45

PRICES slashed on genuine Nathaniel Baldwin Phono Units. A large purchase of thousands of these units enables us to offer them at better than 60% off regular retail list price.

Sensitive — Balanced Armature

Only the highest grade materials obtainable are utilized in the manufacture of Baldwin units. Big heavy magnets—large coils. Sensitive. Will carry tremendous volume.

Phono units have unthreaded stems to which suitable adapters may be attached to fit the tone arm of any phonograph. Use the scientifically designed air column in your phonograph with Baldwin Phono Unit for superior reproduction.

Completely shielded and covered with attractive black imitation leather. The biggest buy of the year.

No. 6521. Baldwin Phono Unit. Wt. 2 lbs. Retail List. \$7.00. **\$2.45**
YOUR PRICE.....

No. 6522. Phono Unit with Pedestal. Wt. 2 1/4 lbs. Retail List. \$2.95. **\$2.95**
YOUR PRICE.....

Phono Unit with Base—\$2.95



NAALD Midget Cone

Tiny Cone SPEAKER

A unique working model of large sized cone speaker. Ideal for personal use when a large speaker would give too much volume or for operation late at night without causing disturbance.

A perfect cone speaker of splendid tone scarcely more than 6 in. in diameter. Excellent for the children or as an extension speaker for the bedroom, porch or sun parlor. Wt. 2 lbs. **\$1.18**

List \$2.00. **YOUR PRICE**



Racon Dwarf Horn

Small horn type loudspeaker stands less than one foot high. The powerful reproducer of small dimensions. Splendid tone quality. Weighs only 1 lb. and is an ideal auxiliary speaker.

Its small size and compact design permits its use wherever space is limited. An unusually good reproducer for its size. Its efficiency has not been sacrificed. Unit is adjustable.

No. 8519. List \$4.50. **\$2.20**
YOUR PRICE



ANSONIA Cone Speaker

A new powerful cone reproducer. Suitable for installation in any console cabinet. Small in size, has wonderful tone quality and great volume.

Baffle Box

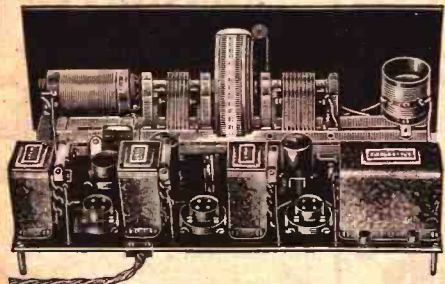
Completely installed in baffle box—self baffled. Incorporates many remarkable features of construction which insures perfect reproduction. Covers complete range of audible and musical frequencies with true fidelity. Tone quality is natural and amazingly life-like.

A Genuine Bargain

Simple to install in any console. Measures 6 in. deep by 10 in. wide by 10 in. high. Complete with cord. Offered at an unusually long discount for your sure profit. **\$8.47**
No. 8549. Wt. 8 lbs. List, \$16.00. **YOUR PRICE**



National Shield Grid 5
NEW SCREEN GRID BROWNING-DRAKE



NEW National Browning-Drake circuit incorporates the UX-222 shield grid tube in the radio frequency stage for greater amplification and more stable operation. No neutralizing troubles. The shield grid tube is non-oscillating and gives tremendous R.F. gain. Remarkable performance. DX reception on short antenna. Extremely selective. Wt., 30 lbs.

LIST OF PARTS

1.—National Single Control B.D.222 Unit. 3.—National Impedance Transformers. 1.—National Tone Filter. 2.—Aerovox .0001 Molded Condensers. 1.—Aerovox .00025 Molded Condenser. 1.—Aerovox .001 Molded Condenser. 2.—Tubes .5 By Pass Condensers. 5.—Tubes required for the National Shield Grid 5: One 222, two 201A, one 240, one 171A.

No. 8790 Total List, \$69.55 **\$40.90**
YOUR PRICE.....

ELKON 5000 Hour Dry

“B” Rectifier for B Eliminators

A new replacement rectifier for B eliminators. Sturdy, solid rugged. No changes in wiring necessary. Instantly replaces filament or gaseous rectifier tubes in B eliminators. Manufacturers claim 5,000 hours of efficient operation in comparison to the 1,000 hour life of the average gaseous rectifier tube. Wt., 1 lb. No. 5735. Type EBH. Replaces Raytheon BH Tube. No. 5736. Type E80. Replaces 280 filament tube for A.C. sets and eliminators. **\$3.53**
List, each, \$6.00. **YOUR PRICE.....**

SAMSON PAM Amplifiers

Power—marvelous tone and tremendous output for use with any radio or for hotels, clubs and small auditoriums. For 110 volt 50-60 cycle A.C. current.

Push-Pull

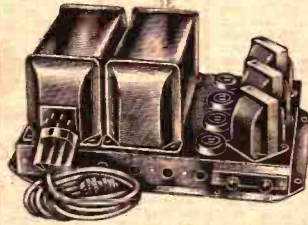
All models incorporate the famous Samson symphonic push pull system.

No. 8128-PAM16. Two Stage 210 A.C. phonograph or radio amplifier. Requires one 227, two UX210 and one UX-281 tube. For magnetic speakers.

No. 8129-PAM17. Identical to PAM16 but designed to provide field current to dynamic type speaker. Size, 15 1/2 x 7 1/2 in. Shipping weight, 35 lbs. List without tube, \$125.00. **\$73.50**
NET PRICE.....

No. 8130-PAM19. Three stage 250 A.C. phonograph or radio amplifier. For larger installations. Requires two UX227 tubes, two UX250 tubes and two 281 rectifiers. For magnetic speakers.

No. 8131-PAM20. Identical to PAM19 described above, except provides field current to dynamic speaker. Size, 20x14 1/2 x 7 1/2 inches. Shipping weight, 50 lbs. **\$102.90**
List without tubes, \$175.00. NET.....



IT'S EASY TO ORDER FROM THIS CATALOG

CAREFUL ORDERING SAVES TIME

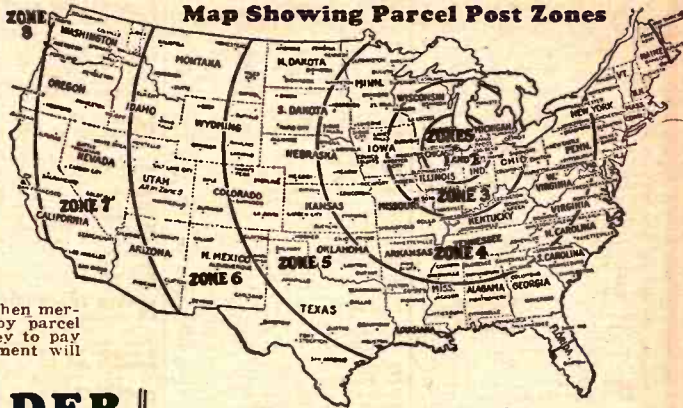
BE sure to give specified shipping instructions with every order. Write your name and complete address plainly. It will avoid errors and assure prompt delivery. If you fail to give shipping instructions, we will ship according to our own best judgment.

Net Prices

Net prices are quoted in this catalog. No further discounts of any kind will be allowed. Our terms are strictly cash with order or C. O. D. Orders from distant points for heavy merchandise to be shipped C. O. D. should be accompanied by a check as part payment.

All Prices F. O. B.

All prices quoted are F. O. B. and when merchandise is ordered to go forward by parcel post, be sure to include enough money to pay postage. Send enough—any overpayment will be promptly refunded.



HOW TO ORDER

USE OUR ORDER BLANKS

Use the order blank enclosed for your first order. Fill out plainly. It will avoid errors. Additional order blanks will be supplied on request. Remit by express money order, postage money order, bank draft or personal check. If on arrival, packages appear to have been tampered with in any way, have the agent note the damages on your receipt.

PARCEL POST ORDERS

Packages Under 8 ounces, allow 4c to any Zone

Table of Approximate Rates

Per 100 lbs. for Express and Freight

From Chicago to	Express per 100 Pounds		1st Class per 100 Lbs.	From Chicago to	Express per 100 Pounds		1st Class per 100 Lbs.
	Express	Freight			Express	Freight	
Alabama	\$3.75		\$2.40	Nebraska	\$3.90	\$2.25	
Arizona	7.30		4.50	Nevada	9.10	5.50	
Arkansas	3.50		2.20	N. Hampshire	4.00	1.49	
California	10.05		7.10	New Jersey	3.75	1.42	
Colorado	6.15		3.65	New Mexico	3.60	3.35	
Connecticut	3.00		1.45	New York	3.35	1.44	
Delaware	3.75		1.60	No. Carolina	4.00	1.49	
Florida	3.05		1.45	Pa. Dakota	4.50	2.60	
Georgia	3.50		2.15	Ohio	2.15	.90	
Idaho	7.90		4.00	Oklahoma	3.85	2.25	
Illinois	2.20		1.20	Oregon	5.75	5.10	
Indiana	1.65		.70	Pennsylvania	3.75	1.40	
Iowa	3.50		1.05	Rhode Island	4.00	1.49	
Kansas	3.80		2.04	S. Carolina	4.10	2.25	
Kentucky	2.20		1.20	So. Dakota	4.50	2.25	
Louisiana	4.20		2.20	Tennessee	3.30	1.75	
Maine	4.50		1.65	Texas	6.50	2.64	
Maryland	3.75		1.70	Utah	6.90	4.10	
Massachusetts	3.40		1.25	Vermont	3.95	.48	
Michigan	3.95		1.09	Virginia	3.60	1.70	
Minnesota	3.60		1.49	Washington	3.45	5.10	
Mississippi	3.45		1.25	Wisconsin	2.95	.99	
Missouri	2.62		1.25	Wyoming	5.50	4.22	
Montana	5.35		3.75				

WEIGHT In	ZONES 1 & 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
	Up to 150 MILES From Chicago	150 to 300 MILES From Chicago	300 to 600 MILES From Chicago	600 to 1000 MILES From Chicago	1000 to 1400 MILES From Chicago	1400 to 1800 MILES From Chicago	OVER 1800 MILES From Chicago
1	7c	8c	8c	10c	10c	12c	13c
2	8c	10c	12c	15c	18c	22c	25c
3	9c	12c	16c	21c	26c	32c	37c
4	10c	14c	20c	27c	34c	42c	49c
5	11c	16c	22c	33c	42c	52c	61c
6	12c	18c	28c	39c	50c	62c	73c
7	13c	20c	32c	45c	58c	72c	85c
8	14c	22c	36c	51c	68c	82c	97c
9	15c	24c	40c	57c	74c	92c	\$1.07
10	16c	26c	44c	63c	82c	\$1.02	\$1.21
11	17c	28c	48c	69c	90c	1.12	1.33
12	18c	30c	52c	75c	98c	1.22	1.45
13	19c	32c	56c	81c	\$1.06	1.32	1.57
14	20c	34c	60c	87c	1.14	1.44	1.69
15	21c	36c	64c	93c	1.22	1.56	1.81
16	22c	38c	68c	99c	1.30	1.62	1.93
17	23c	40c	72c	\$1.05	1.38	1.72	2.05
18	24c	42c	76c	1.11	1.46	1.82	2.17
19	25c	44c	80c	1.19	1.54	1.92	2.29
20	26c	46c	84c	1.23	1.62	2.02	2.41

If the weight of package exceeds 20 lbs., add 1c for each additional pound or fraction of pound if you live in the 1st and 2nd zones, 2c extra if you live in the 3rd zone, 4c extra if you live in the 4th zone, 6c extra if you live in the 5th zone, 8c extra if you live in the 6th zone, 10c extra if you live in the 7th zone, and 13c extra if you live in the 8th zone. NOTE:—Packages weighing over 1 lb. and less than 2 lbs. take the 2 lb. rate. Always use the next higher pound rate for pounds and fractional pounds.

How to Figure Express Charges

(1) Total up weights of items ordered, as shown on Order Blank. (2) Refer to table above for approximate Express Rates per hundred pounds to your state. (3) Then refer to left hand column of table below and find weight which corresponds with weight of goods you are ordering. (4) Follow to the right line opposite the weight of goods on your order, through the columns to the column headed by the rate per 100 lbs. to your state. The amount in this Column will be the express charges on your goods.

Table of Express Charges Based upon Rate per 100 pounds

	\$1.25	\$1.45	\$2.15	\$2.65	\$2.95	\$3.45	\$3.75	\$4.00	\$4.25	\$4.50	\$5.50	\$6.90
Package not over												
1 Pound	\$.36	\$.36	\$.37	\$.37	\$.38	\$.38	\$.38	\$.39	\$.39	\$.39	\$.40	\$.42
2 Pounds	.37	.37	.39	.40	.40	.41	.42	.42	.43	.43	.45	.48
3 Pounds	.38	.38	.40	.41	.43	.43	.43	.45	.47	.47	.49	.53
4 Pounds	.38	.38	.41	.42	.44	.44	.45	.50	.47	.47	.52	.56
5 Pounds	.39	.40	.44	.46	.48	.52	.53	.54	.54	.54	.61	.68
10 Pounds	.43	.44	.53	.58	.61	.66	.69	.71	.74	.76	.86	1.00
15 Pounds	.48	.49	.62	.69	.74	.81	.86	.90	.93	.97	1.12	1.33
20 Pounds	.52	.54	.71	.81	.87	.97	1.03	1.08	1.13	1.18	1.38	1.66
25 Pounds	.56	.59	.80	.92	1.00	1.12	1.18	1.26	1.32	1.39	1.64	1.99
30 Pounds	.60	.63	.89	1.04	1.12	1.32	1.37	1.44	1.52	1.59	1.94	2.31
35 Pounds	.65	.68	.97	1.15	1.26	1.43	1.44	1.71	1.71	1.80	2.23	2.64
40 Pounds	.69	.73	1.07	1.27	1.39	1.59	1.71	1.81	1.91	2.01	2.41	2.97
45 Pounds	.73	.77	1.16	1.39	1.52	1.88	1.93	2.10	2.22	2.22	2.57	3.30
50 Pounds	.77	.82	1.25	1.50	1.65	1.90	2.05	2.17	2.30	2.42	2.82	3.62

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FAMOUS SPEAKER CHASSIS



FOR CONSOLE INSTALLATION

THESE speakers, of genuine Farrand construction, represent one of the most important advances in radio reproduction. They are sensitive beyond comparison and reproduce the entire musical scale with a tonal brilliancy that will enchant you. They feature a new type unit in both the magnetic and dynamic types presenting acoustical qualities of an unusual character.

REAL TONE AND VOLUME

If you have ever listened to the playing of a large organ in a beautiful Cathedral your greatest impression has been the purity of tone, the soft murmur of the bass notes and the mellow beauty up the scale. When listening to a mighty organ being transmitted through a Farrand Speaker you would imagine yourself in such an atmosphere—for nothing is lost in these finely constructed instruments.

POWER TYPE DYNAMIC CONE SPEAKERS

The tremendous popularity of the dynamic reproducer is the result of its exceptional tone quality and the faithful recreation of tone shadings which distinguish good music and clear voice articulation. When used in combination with a good radio receiver such as the Knight sets listed in this catalog, both voice and instrumental tone frequencies are re-created so that each instrument can be instantly recognized.

TREMENDOUS VOLUME

The free floating cone construction of the Farrand Dynamic Speaker permits tremendous volume without a trace of chatter or blast. They are the ideal speakers for use where unusual volume is required along with the finest tone quality. The Dynamic Speaker stands forth today as radio's greatest achievement in loud speaker development.

No. 8435. 6 volt D-C Type for use with battery operated sets. Shpg. wt., 15 lbs. Retail list, \$50.00. YOUR PRICE.....

\$19⁷⁰

No. 8436. 100-200 volt D-C Type for use with A-C sets designed for Dynamic Speakers. Shpg. wt., 18 lbs. Retail list, \$40.00. YOUR PRICE.....

\$17⁹⁵

No. 8437. 110 volt A-C Type for plugging into the electric light socket. Shpg. wt., 18 lbs. Retail list, \$55.00. YOUR PRICE.....

\$21⁷⁰



The IDEAL MAGNETIC CONE SPEAKER

Among radio's greatest developments, no achievement looms larger than the perfection of the magnetic type cone speaker as offered in this Farrand chassis. It brings to listening ears a range of tonal beauty that covers the entire musical scale.

BEAUTIFUL TONE QUALITY

In the wonderful tone quality of the Farrand Magnetic Cone you will find faithfully recorded every delicate shading of voice and orchestra. They accept unlimited volume without a hint of blast or glare. Their strong permanent magnets along with their precision construction and perfected design provides exceptional tone quality and volume. Their low price and unusual efficiency accounts for their tremendous popularity.

CONSOLE CHASSIS AS ILLUSTRATED

Genuine Farrand Magnetic Cone Speaker chassis ready for console installation. Equipped with output filter to protect speaker windings. Shipping weight, 8 lbs. No. 8438. Retail list, \$20.00. YOUR PRICE.....

\$6⁷⁵

The CELEBRATED TRAVLER PORTABLE 5 TUBES - 1 DIAL - REAL TONE AND VOLUME

THE original one man portable, weighing only 22 1/2 lbs. complete, housed in an attractive carrying case, durably finished in imitation leather. Everything is in the one small case—loud speaker—loop aerial and batteries; just lift the cover and tune in. It will keep right on performing as you move it from place to place. Its 5 tube circuit is a marvel

of efficiency. Its high grade speaker provides unusually sweet tone and strong volume. Its one dial control simplifies tuning and makes it a pleasure to operate. Constructed throughout of standard parts. Attachments are also provided for use with regular antenna and ground. It offers the ideal receiver for the tourist, the hospital patient, or the traveler.



SET ONLY

Here the famous Travler Portable is offered without accessories. Its unusual efficiency and compactness along with its low price assures unusual popularity. No. 9351. Retail list, \$57.50. YOUR PRICE.....

\$33⁸¹

WITH ACCESSORIES

Complete, ready to operate. Equipment includes 5 type X199 tubes and all "A," "B," and "C" batteries. Everything necessary for its operation is included. A real value. No. 9352. Retail list, \$76.50. YOUR PRICE.....

\$44²⁵

THE HYATT SIX-TUBE PORTABLE

HERE real portability is combined with unusual radio efficiency. Incased in a high grade two-tone brown leatherette case with heavily nicked trimmings, it weighs only 28 lbs. fully equipped. The six-tube one dial circuit is beautifully set off with walnut panel and knobs and gold trimmed vernier dial. The loop antenna panel is attractively embossed in gold relief with a ship design.

POWERFUL - SELECTIVE

Real power, sensitivity and selectivity is offered here with real portability. Case measures 14 in. long, 11 in. high and 9 in. wide.



SET ONLY

Here this remarkable portable is offered without accessories. Its low price assures for it tremendous popularity. Shpg. wt., 35 lbs. No. 9353. Retail list, \$60.00. YOUR PRICE.....

\$35²⁸

REAL PUNCH AND TONE

Its marvelous tone quality and volume will surprise you. Sound chamber has 14 in. throat built of basswood equipped with genuine Utah Unit.

WITH ACCESSORIES

Complete, ready to operate. Equipment includes 6 type X199 tubes, 3 "A," 2 "B" and 1 "C" batteries. Everything necessary is included. Shpg. wt., 50 lbs. No. 9354. Retail list, \$95.00. YOUR PRICE.....

\$55⁴⁰



AVONDALE 7/8 STRATFORD A-C

FOR ALL ELECTRIC A-C OPERATION
POWERFUL—SENSITIVE—SELECTIVE



POWER

In Stratford Receivers, you will find a new conception of power and sensitivity in radio—the results of perfect engineering and mechanical construction, combining A-C operation with utmost efficiency.

STONE

The insistent demand on the part of the radio buying public for better tone quality, finds its ideal in Stratford Receivers. Their marvelous mellow tone, under perfect control from a whisper, to the full blare of an orchestra, will delight the most critical.

MARVELOUS TONE QUALITY—PLUS DISTANCE RANGE

In Stratford Receivers you will find a mechanical construction that is in keeping with the remarkable electrical characteristics of the set. They incorporate a perfection in electrical engineering that results not only in a marvelous tone quality, but in a sensitivity and selectivity that enables you to reach out and bring in the distant stations with an ease that will astound you. Illuminated one dial control, individual stage shielding, and perfection in circuit design imparts to Stratford Receivers an inherent quality that stamps them as one of the greatest radio values of the season. You will marvel that such quality—such radio perfection can be offered at so low a price. Operates on 110 volts, 50-60 cycle, A-C current.

BUILT-IN LASTING QUALITY

Stratford Receivers feature a ruggedness—a mechanical perfection in construction that assures years of service. Their fool-proof design eliminates servicing, and assures long trouble-free radio reception.

ONE DIAL CONTROL

Avondale features a real ONE DIAL control. Two knobs control all operations of the set—A STEERING WHEEL AND A THROTTLE—a steering wheel to SELECT THE STATION you want, and a throttle to CONTROL the volume.

NON-CRITICAL

You do not have to be a RADIO ENGINEER or an EXPERT to tune Stratford Receivers. By rotating the STATION SELECTOR KNOB, station after station will come in with SURPRISING ease. No hum, no extraneous noise—JUST PURE MELLOW MUSIC and voice, reproduced with EXCEPTIONAL FIDELITY.

COMPLETE—READY TO OPERATE

Here the Stratford Avondale is offered complete with all accessories necessary for its operation, except the speaker. Equipment includes 4 type X226 A-C Tubes, 1 type X227, 2 type X171A Power Tubes, and 1 type X280 Rectifier Tube, along with all necessary aerial and ground equipment. A wide selection of speakers \$69³⁶ shown elsewhere. Shipping wt., 50 lbs. No. 9859. Retail, \$130.00
YOUR PRICE

BEAUTIFUL METAL CABINET

Avondale Model is housed in a beautiful all-metal cabinet, 19½ in. long by 12½ in. deep by 8½ in. high. Finished in a beautiful brown-bronze, its graceful proportion and design adapts it for use in the finest home.

EASY TO OPERATE

Connect the Stratford to a LIGHT SOCKET—attach aerial and ground wires—couple up the speaker AND THE SET IS READY. The beautiful illuminated drum dial, coupled with its smooth easy operation, MAKES TUNING A PLEASURE.

SHIELDED CONSTRUCTION

Each tuned circuit is INDIVIDUALLY shielded, including the tubes. This assures MAXIMUM SELECTIVITY and DISTANCE RANGE. It is found only in the HIGHEST PRICED RECEIVERS. Push-pull audio amplification using TWO TYPE X171A POWER TUBES, imparts to the Avondale a VOLUME and TONE QUALITY that is remarkable.

RECEIVER AS ILLUSTRATED

Here you are offered the Avondale Model as illustrated above, housed in a beautiful metal cabinet. Attractively finished in a harmonious brown bronze color that blends well with the furnishings of any room. The Avondale is recommended to you as one of the season's outstanding radio values. \$55⁸⁶ Shipping weight, 45 lbs. No. 9888. Retail, \$95.00.
YOUR PRICE

THE STRATFORD CHASSIS

A-C ALL-ELECTRIC 7/8

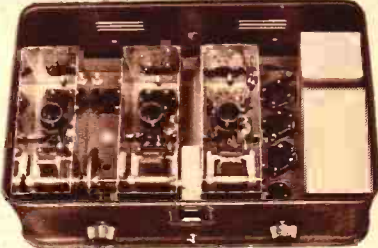
HERE the celebrated Stratford 7-8 Chassis is offered, fitted with 7 by 18 in. panel, for those who desire to select their own console. The Chassis measures 18½ in. long by 10 in. deep by 7½ in. high. Circuit consists of one untuned and two tuned stages RF, detector, one stage of straight audio, and one stage of push-pull audio employing genuine Thordarson Transformers with Power Tubes.

INDIVIDUAL SHIELDED STAGES

Individual stage shielding minimizes inter-stage coupling, and provides better selectivity and sensitivity. Three stages of radio frequency insure extreme sensitivity on distance. Designed for A-C operation, drawing its power direct from the A-C mains. Only the finest parts are used in its construction, such as Thordarson, Frost, Carter, Kurz-Kasch, etc. This coupled with the efficient design of the circuit, results in a receiver that offers you everything most desired in a set—selectivity, distance range, and wonderful tone quality.

SELECT YOUR OWN CONSOLE

On the console pages of this catalog you will find a great variety of all the new radio consoles as featured by the country's finest furniture factories. Any of these consoles are adaptable for use with this famous Stratford 7-8 A-C All-Electric Chassis.



CHASSIS ONLY

Dealers who desire a high grade chassis for installation in their own consoles, will do well to concentrate on the Stratford line. Chassis measures 18½ in. long by 10 in. deep by 7½ in. high. Weighs 27 lbs. Highly recommended. No. 9854. Retail, \$90.00.
YOUR PRICE

\$52⁹²

The Bellview-Stratford 7/8

A-C OPERATED—POWERFUL—SENSITIVE

Just Plug It Into the Electric Light Socket

ONE of radio's greatest achievements—the perfection of the A-C tube making possible real ELECTRIC OPERATION in radio reception, is offered in this remarkable receiver. The dependability of your electric light current becomes the dependability of your radio receiver. Messy batteries, chargers and eliminators are done away with. Operates on 110-volt, 50-60-cycle A-C current. The beautiful walnut console with its attractive maple overlays, is of unusual design and striking appearance. It is in strict keeping with the usual quality of the Stratford 7/8 A-C Receiver.

Marvelous Tone

Equipped with a genuine Farrand Speaker, the Bellview Stratford offers you the utmost in tone quality. It will faithfully re-create every delicate shading of voice and orchestra. It brings to listening ears a range of tonal beauty that covers the entire musical scale from the lowest to the highest notes. Both voice and instrumental tone frequencies are reproduced with such fidelity that each instrument can be individually recognized.

Push-Pull Power Audio

In the Bellview Stratford, one of radio's greatest reproducing systems is employed—push-pull amplification with power tubes. This provides a tone quality that is surprising in its fidelity—with a volume that meets all requirements—yet under instant control from full volume to a whisper. The power plant of the Stratford Circuit is of ample design and size supplying the full recommended voltages to the power tubes, assuring a tremendous reserve of volume.

GENUINE WALNUT TWO-TONE CONSOLE

The beautiful Bellview Console stands 41 in. high by 22½ in. wide by 15½ in. deep. Constructed of genuine walnut. Its real piano hand-rubbed lacquer finish retains all the natural beauty of the grain of this select wood. Its design is the work of artisans while its symmetrical lines and soft satin sheen finish adapt it for use in the finest homes. The attractive front doors are embellished with scroll maple overlays producing an unusually attractive appearance. The substantial turned legs and ornamental stretcher impart unusual rigidity to its construction.

Farrand Speakers

Genuine Farrand Magnetic Type Cone Speakers are built-in as standard equipment in the Bellview Stratford Receiver. The stage shielded construction of the circuit coupled with its remarkable push-pull audio amplifying system warrants the use of only the finest speaker equipment. It brings to you a tone quality and volume of remarkable fidelity and power.

STRATFORD 7/8 A-C CIRCUIT

The Stratford 7/8 A-C Circuit employs a total of eight tubes in three stages of radio frequency amplification, detector, one transformer coupled stage of audio amplification and one push-pull audio amplification stage, providing tremendous output. The ample size power plant employs one type X280 Rectifier Tube, having sufficient output to operate the power tubes at the recommended plate voltages assuring remarkable tone quality, and volume. Shielded construction along with perfect engineering and mechanical design imparts unusual efficiency to the Stratford A-C Circuit.

Set Only

The beautiful Bellview Stratford 7/8 A-C Receiver as illustrated and described above, is here offered complete with a genuine Farrand Magnetic Type Cone Speaker. Tubes, aerial and ground equipment not included.

A Feature Value

Your trade will be quick to appreciate the striking beauty and unusual efficiency of the Bellview Stratford. Order a demonstrator today. Shipping weight, 120 lbs. No. 9894. Retail list, \$170.00.

YOUR
PRICE

\$83⁹²

Ready to Operate

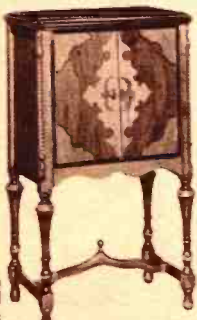
All necessary accessories for the operation of the receiver are included. Just plug it into the electric light socket and it is ready to operate. Equipment includes 4 type X226 A-C tubes, 1 type Y227 A-C detector tube, 2 type X171A power tubes and 1 type X280 rectifier tube along with all necessary aerial and ground equipment.

Everything Included

Nothing has been overlooked in this offer. Everything necessary for the operation of the receiver is included. Shipping weight, 125 lbs. No. 9895. Retail list, \$200.00.

YOUR
PRICE

\$97⁴²



THE ENCORE STRATFORD 7/8 A-C RADIO

A FEATURE VALUE

THE STRIKING BEAUTY and UNUSUAL DESIGN of the ENCORE CONSOLE, along with the UNUSUAL EFFICIENCY and PERFORMANCE of the STRATFORD 7/8 A-C CIRCUIT, stamps this model as one of the season's greatest values in an A-C OPERATED receiver. The critical buyer desiring NOTHING SHORT OF THE BEST, regardless of price, will be QUICK TO APPRECIATE the MANY advantages of this receiver.

Sensitive—Selective

Years of experience in the construction of radio receivers stand back of the Stratford Circuit. Engineered to an electrical and mechanical perfection that invites comparison with the highest priced receivers. Stage shielded construction reduces inter-stage coupling to a minimum, providing unusual sensitivity and razor-like selectivity. Employing the new A-C Tubes, it offers you real performance in practical A-C Operation.

Farrand Speakers

The high-grade audio amplifying system in the Stratford Receiver employs power tubes in a push-pull arrangement. The tremendous output of the receiver justifies the use of the genuine Farrand Cone Speakers with which it is equipped.

The Stratford A. C. Circuit

The famous Stratford 7/8 Circuit employs a total of eight tubes in three stages of radio frequency amplification, detector, one stage transformer coupled audio, and one stage push-pull audio employing genuine Thordarson Transformers with power tube equipment. Each tuned stage in the Stratford Circuit is individually shielded, providing unusual selectivity and power. Operates on 110-volt, 50-60-cycle A-C current.



The beautiful Encore Console is a gem of the cabinet makers art. Its attractive design and wonderful finish is the delight of all who see it.

\$103²⁷
NET

PUSH-PULL POWER AUDIO—FOR REAL TONE

The insistent demand on the part of the radio-buying public for better tone quality finds its answer in Stratford Receivers. Their marvelous mellow tone under perfect control from a whisper to the round volume of an orchestra, will delight the most critical. They incorporate a perfection in electrical characteristics that results not only in a marvellous tone quality, but in a sensitivity and selectivity that enables you to bring in distant stations with ease. You will marvel that such quality—such radio perfection—can be offered at so low a price.

WALNUT CONSOLE OF OUTSTANDING BEAUTY

The beautiful burl walnut front doors are exquisitely butt matched. The beautiful Encore Console is the design of artisans. The attractively designed silk-backed grill set in the center of its large panel acts as an ideal baffle board for the Farrand Speaker with which it is equipped. The console stands 50 1/2 in. high, 27 1/2 in. wide by 17 in. deep. Its beautiful hand-rubbed lacquer finish brings out to advantage the beautiful grain of the walnut.

Set with Farrand Cone Speaker

Equipped with a genuine FARRAND MAGNETIC CONE SPEAKER. Noted for its wonderful tone quality and volume. AN EXCEPTIONAL VALUE.

Shipping weight, 140 lbs.

No. 9896. Retail list, \$210.00.

YOUR PRICE

\$103²⁷

Set with Dynamic Speaker

Equipped with a genuine FARRAND 110 VOLT A-C TYPE DYNAMIC SPEAKER. The Encore offers the IDEAL COMBINATION for REAL TONE and VOLUME.

Shipping weight, 150 lbs.

No. 9898. Retail list, \$240.00.

YOUR PRICE

\$117²⁷

With Farrand Speaker And All Accessories

Here the Encore Model is offered complete with a Farrand Magnetic Type Cone Speaker and all necessary accessories for its operation including 4 type X226 A-C Tubes, one type Y227 Detector Tube, 2 type X171A Power Tubes, and 1 type X280 Rectifier Tube along with all necessary aerial and ground equipment. Highly recommended. Shipping weight, 145 lbs.

No. 9897. Retail list, \$235.00.

\$116⁷⁷

YOUR PRICE

With Dynamic Speaker And All Accessories

Here the Encore Stratford is offered complete with a Farrand 110 volt A-C Dynamic Speaker and all necessary accessories for its operation. Equipment includes 4 type X226 A-C Tubes, 1 type Y227 A-C Tube, 2 type X171A Power Tubes, and 1 type X280 Rectifier Tube, along with all necessary aerial and ground equipment. Everything necessary for the operation of the receiver is included. Shipping weight 160 lbs.

No. 9899. Retail list, \$270.00.

\$130⁷⁷

YOUR PRICE



Beauty—Performance—Power—

The New Nocturne 8/9 A-C Stratford Receiver

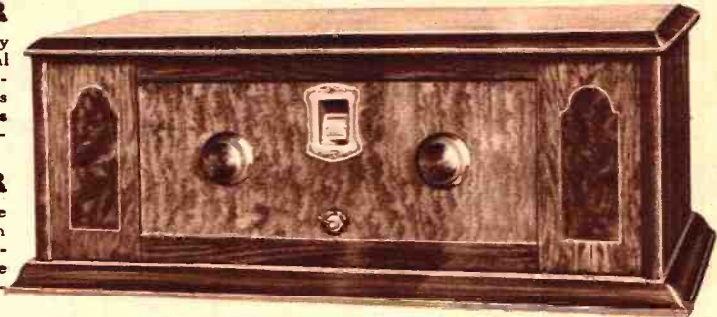
**Powerful
Sensitive
Selective**

A SUPER RECEIVER

INCORPORATING the very latest in up to date electrical engineering and mechanical design, the Nocturne Receiver offers a performance that challenges the highest priced sets in selectivity and distance range.

FOR REAL POWER

The tremendous power of the Stratford Circuit coupled with its push-pull audio system, employing power tubes, assures the utmost in soft, mellow tone quality and tremendous volume.



THE OUTSTANDING RECEIVER OF THE YEAR

The Nocturne A-C Receiver offers you features found only in the highest priced sets. A-C operation employing the new A-C tubes assures utmost convenience. Stage shielding surrounds each tuned circuit, including the tubes, providing maximum selectivity and distance. Thordarson Push-Pull Amplification assures the very best in tone quality. One dial control simplifies tuning. Four stages of radio frequency assures unusual sensitivity in distance reception. Only the finest parts are used in its construction, representing such reputable manufacturers as Thordarson, Frost, Carter, Potter, Kurz-Kasch, etc., assuring highest quality throughout.

PUSH-PULL AUDIO

In the Nocturne Push-Pull Audio using genuine Thordarson Transformers with 171 type power tubes, provides a reserve volume far in excess of all normal requirements. Its soft, mellow tone quality retaining all the beautiful over-shadings of the mightiest organ, proves the instant delight of the most critical tone quality enthusiasts.

THE A-C CIRCUIT

Provides real A-C Operation employing the new A-C type tubes. Requires a total of 9 tubes in 4 stages of radio frequency, detector, 1 transformer coupled audio stage, 1 push-pull audio amplifying stage employing power tubes. A power plant built in as a part of the chassis. Operates on 110-volt, 50-60 cycle A-C current.

THE CABINET

The beautiful Nocturne table model cabinet is substantially constructed, and attractively finished. It harmonizes perfectly with the walnut finished metal panel and knobs of the Nocturne Receiver. It is of genuine walnut construction measuring 29½ in. long, 14½ in. deep, and 10¼ in. high. Its beautiful two-tone finish adapts it for use in any setting.

THE NOCTURNE MODEL

The beautiful Nocturne Model as illustrated and described above is priced far below its actual value. It offers you features that you expect to find only in the highest priced sets; real A-C Operation, power, sensitivity, tone quality and selectivity along with real one-dial drum control providing simplified tuning. Shipping weight, 75 lbs. No. 9886. Retail list, \$147.50.

YOUR PRICE.....

\$86⁷³

COMPLETE—READY TO GO

Here the Nocturne is offered with all necessary accessories for its operation. Equipment includes 5 type X226 tubes, 1 type Y227 tube, 2 type X171A tubes, 1 type X280 rectifier tube along with all necessary aerial and ground equipment. Shipping weight 85 lbs. No. 9887. Retail list, \$178.50.

YOUR PRICE.....

\$101⁴⁸

THE STRATFORD 8/9 A-C ELECTRIC CHASSIS

THE PEER OF A-C CIRCUITS

THIS famous Stratford 8/9 A-C Chassis is offered for those who desire to select their own console. Remarkable performance, wonderful tone quality and volume with unusual efficient design and sturdy mechanical construction.

STAGE SHIELDED

Efficient shielding in the Stratford Circuit imparts unusual selectivity and sensitivity on distant stations. Four stages RF assure remarkable distance range, while push-pull audio amplification assures exceptional volume and tone quality. It offers real A-C operation, requiring only to be plugged into the light socket.

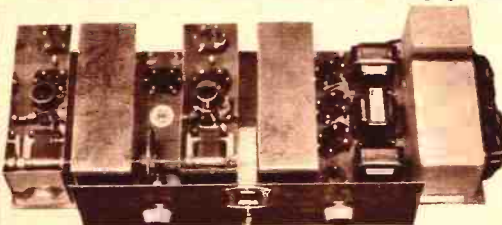
STRATFORD 8/9 CHASSIS

Here the famous Stratford 8/9 Chassis is offered complete as described, without accessories. Its low price is no criterion of its quality. Priced far below its actual value. Shipping wt., 50 lbs.

No. 9853. Retail list, \$125.00

YOUR PRICE.....

\$73⁵⁰



Select Your Own Console

This remarkable Stratford Chassis is equipped with a 7 in. x 18 in. front panel. The chassis proper measures 25½ in. long by 10 in. deep by 7⅛ in. high. A console for it may be selected from the large variety shown in this catalog.

SHIELDED CONSTRUCTION



Mozart 8/9 STRATFORD RECEIVER

**PUSH PULL AUDIO
STAGE SHIELDED
ORTHO CONSOLE
ALL ELECTRIC
A. C. OPERATION**

Radio De Luxe

In the Mozart 8/9 Stratford A-C Receiver, you are offered an ideal combination of features that make for real radio pleasure. The wonderful appearance of the Ortho type console coupled with the remarkable efficiency of the Stratford Receiver stamps the Mozart as an unusual value.

Air Column Speaker

The remarkable popularity of the long air column type exponential horn assures a ready sale for the Mozart. It is equipped with an 86 in. Puropower exponential type air column horn along with a genuine Fidelity unit, noted for its remarkable tone quality and volume carrying capacity.

PUSH-PULL AUDIO

The soft mellow tone quality and unusual volume of the Mozart Model is due in no small measure to the remarkable design of the push-pull audio amplification system it employs. Its tremendous volume is under instant control from a whisper to the full volume of a large orchestra, with a total freedom of distortion.

DISTANCE RANGE

The remarkable sensitivity of the Stratford Circuit assures unusual distance range. As the illuminated drum control is rotated, station after station will come in. It cuts right through the locals, and brings in the far distant stations with unusual clarity and volume. Its remarkable sensitivity is the result of perfect engineering and mechanical design.

GENUINE WALNUT ORTHO CONSOLE

The beautifully finished console is constructed of genuine walnut. It stands 44 $\frac{1}{4}$ in. high, 28 in. wide, and 17 in. deep. Its unusual design and massive construction makes it a worthy companion to the finest of furnishings.

Powerful — Selective

Real A-C operation doing away with messy batteries, chargers, etc., assures utmost convenience and consistency in operation. Shielded construction coupled with efficient design impart unusual selectivity and sensitivity. Its remarkable distance range is the surprise of all who hear it.

Set Only With Speaker

The Mozart 8/9 A-C Model Stratford Receiver employing a total of nine tubes, is here offered without tubes, aerial or ground equipment. It is equipped with a genuine 86 in. air column horn and Fidelity unit, providing remarkable tone quality. It offers real A-C operation. Console of genuine walnut in a beautifully shaded two-tone lacquer finish. Shipping weight, 160 lbs.

No. 9884. Retail list, \$275.00.
YOUR PRICE.....

The Famous Stratford 8/9 Circuit

Constructed of only the finest parts, the Stratford 8/9 A-C Circuit consists of 4 stages radio frequency amplification, detector, 1 stage transformer coupled audio, and 1 stage push-pull audio employing power tubes. For 110-volt, 50-60 cycle A-C operation.

Stage Shielded

Efficient stage shielding in the Stratford Circuit imparts unusual sensitivity and selectivity. It is adaptable for use in the most congested broadcasting districts, providing perfect separation of stations, and resulting in remarkable distance range. It is the product of skilled radio engineers, whose many years of experience finds its culmination in this perfected A-C Circuit.

WITH ALL ACCESSORIES READY TO OPERATE

The Mozart Model is here offered for A-C operation along with all accessories necessary for its operation. Equipment includes 5 type X-226 A-C tubes, 1 type Y-227 A-C detector tube, 2 type X-171 A power tubes and 1 type X-280 rectifier tube along with all necessary aerial and ground equipment. Nothing has been overlooked. Just plug it into the electric light socket and it is ready to operate. An exceptional value. Shipping weight 170 lbs.

No. 9885. Retail list, \$300.00.
YOUR PRICE.....



\$123²⁵

\$138⁰⁰

COMMANDER MODEL 8/9 STRATFORD RECEIVER

Radio Beautiful

In the Commander Model Stratford 8/9 A-C Receiver, unusual radio efficiency is combined with remarkable appearance. The beautiful Commander Console is the design of skilled master cabinet makers. Its striking beauty makes it a worthy companion in the most finely appointed homes.

WALNUT CONSOLE

The console is of selected genuine walnut picked for the beauty of its grain. The doors are faced with finely matched butt walnut attractively over-laid with well figured scroll maple and heavy shaped mouldings. A convenient drop-door is arranged at the lower front, opening to a spacious chamber. Beautifully turned fluted legs with ornamental stretcher provides unusual rigidity. Console stands 52 in. high, 33½ in. wide and 18½ in. deep.

PUSH-PULL POWER AUDIO

Push-pull power audio amplification in the Commander Model provides fine shading of the various tones, as well as true reproduction of all overtones, assuring distortionless reception from the highest to the lowest notes of the musical scale.

STAGE SHIELDED

Stage shielding in the Commander Receiver eliminates all inter-stage capacity effects in the circuit, resulting in unusual selectivity and sensitivity. Its remarkable distance range and the unusual volume with which the distant stations are brought in, is the surprise of all who hear it. It offers you the utmost in radio efficiency.

9 TUBES - POWERFUL - SENSITIVE - SELECTIVE

In the Stratford Circuit you are offered the convenience of real A-C Operation. It draws all its current direct from the electric light socket. The power plant is built-in as an integral part of the chassis, and is of ample size providing an exceptionally high safety factor. The volume control is of the new tapered type, providing perfect control. The sub-panel is of heavy gauge metal. The vertical drum dial calibrated in kilocycles is illuminated when the set is in use. Genuine Thordarson Audio Transformers are employed along with a Thordarson transformer pack of ample capacity to provide the full recommended voltage for maximum output of the power tubes. Stage shielding minimizes inter-stage coupling, providing better selectivity per circuit, with far greater volume. Designed for operation on 110-volt, 50-60-cycle A-C current.

GENUINE FARRAND SPEAKERS

In keeping with the exceptional high quality of the Commander Receiver, genuine Farrand Speakers are included as standard equipment. The wonderful output of the push-pull audio system in the Stratford Circuit is recreated with perfect fidelity by these marvelous speakers. From the beautiful overtones of the mightiest organ to the booming of the kettle drums, this same marvelous fidelity of tone is retained.

BEAUTIFUL DESIGN

The rare beauty of the Commander Console with its beautiful matched burled walnut panels and attractive overlays finds its equal only in the highest priced radio furniture. The high quality and unusual efficiency of the Stratford Circuit makes it a worthy companion to this beautiful console. It offers you the utmost in radio efficiency at a price far below its actual value.

SET WITH CONE SPEAKER

Equipped with a genuine Farrand Magnetic Type Cone Speaker, this console offers an unusual combination in an A-C operated receiver. Shpg. wt., 180 lbs.
No. 9890.
Retail list, \$300.00.
YOUR PRICE.....

\$136³⁶

SET WITH ACCESSORIES

Complete with all accessories necessary for its operation along with Farrand Magnetic Cone Unit. Equipment includes 5 type X226 A-C tubes, 1 type Y227 detector tube, 2 type X171A power tubes, and 1 type X280 rectifier tube along with all aerial and ground equipment. Shpg. wt., 185 lbs.
No. 9891.
Retail list, \$330.00.
YOUR PRICE.....

\$151¹¹

SET WITH DYNAMIC SPEAKER

Here the Commander Receiver is offered equipped with a genuine Farrand Dynamic Speaker of the 110-volt A-C type. Shpg. wt., 200 lbs.
No. 9892.
Retail list, \$320.00.
YOUR PRICE.....

\$150³⁶

SET WITH ACCESSORIES AND FARRAND DYNAMIC CONE

Offered with all necessary accessories for its operation along with a genuine Farrand 110-volt A-C Type Dynamic Power Speaker. Equipment includes 5 type X226 A-C tubes, 1 type Y227, 2 type X171A and 1 type X280 rectifier tube. All necessary aerial and ground equipment is included. Shpg. wt., 205 lbs.
No. 9893.
Retail list, \$350.00.
YOUR PRICE.....

\$165¹¹



CONSOLES FOR YOUR SETS

RARE CONSOLE VALUE



HERE you are offered a feature value in an attractively designed, beautifully finished console. Its design is the work of skilled artisans. Its graceful proportions and beautiful finish wins for it the instant admiration of all who see it. Constructed of carefully selected genuine Walnut Ply Wood, hand picked for the beauty of its grain. A beautiful scroll design overlay embellishes the drop-door. The neat circular design of the silk-backed grill is in exceptionally good taste. Beautifully turned, substantial legs, with ornamented apron, adorned with maple overlay.

GENUINE WALNUT

Never before have you been offered such a feature value in a genuine Walnut Console. It stands 37 in. high, measures 21 1/4 in. wide by 15 1/2 in. deep. Set compartment will accommodate panels up to 8 in. high by 19 in. long, and not more than 1 1/4 in. deep. The ample size speaker compartment measures 19 in. wide; 14 in. deep, and 11 in. high, providing ample space for batteries, etc., when used with D-C Sets. You will marvel that such unusual console quality can be offered at so low a price.

WITH FARRAND SPEAKER

Equipped with a genuine Farrand Magnetic Type Speaker, this console offers the ideal combination for your receiver. The remarkable tone quality of the Farrand Magnetic Cone, coupled with its unusual volume carrying capacity, makes it the ideal speaker. It is responsive to the faintest impulses, and covers all audible frequencies. Shipping weight 80 lbs. No. 9275.

Retail list, \$55.00.
YOUR PRICE

\$21⁹⁵

CONSOLE ONLY

This genuine Walnut Console, beautifully finished in two-tone Walnut and embellished with Maple Overlays, is offered at a price far below its actual value. It offers tremendous sales possibilities. Shipping weight, 65 lbs. No. 9274. Retail list, \$35.00.

YOUR PRICE

\$16²⁵



Gothic Ortho Console

THE unusual popularity of the exponential Air Type Tone Chamber has created a wide demand for this Ortho Type Console. Ample size is provided in its spacious speaker compartment to accommodate the new Air Column Horns. Its grill, in Gothic Design, is unusually attractive.

BEAUTIFULLY SHADED WALNUT

Constructed of genuine Walnut. All the natural beauty of the exquisite grain of this wood is retained in its hand-rubbed Walnut Finish. Its construction is the work of master cabinet makers, assuring unusual rigidity. Console stands 39 in. high, measures 23 in. wide, and 16 in. deep.

NEW MASSIVE DESIGN

The massive appearance of this well-designed console will meet with the instant admiration of your trade. Its large speaker compartment measures 23 1/2 in. high, 14 1/4 in. deep, and 20 in. wide. Provides ample space for practically any type of receiver, and for necessary accessories when used with D-C Receivers. Set compartment measures 20 in. wide, 13 1/2 in. deep by 9 in. high, adapting it for use with a wide variety of the new radio sets.

CONSOLE ONLY

This genuine Walnut Console, with its attractively shaded Walnut Finish and beautiful large Gothic Grill, will prove a popular number with your trade. Highly recommended. Shipping weight, 90 lbs. No. 9276. Retail list, \$45.00.

YOUR PRICE

\$19⁵⁰

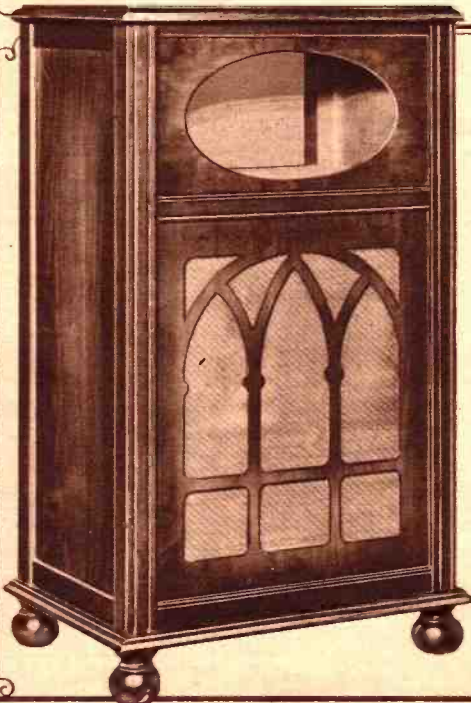
WITH ORTHO SPEAKER

Equipped with 84 in. exponential air column ortho speaker and genuine Fidelity unit. A marvelous reproducer. Shipping weight, 95 lbs.

No. 9277. Retail list, \$75.00.

YOUR PRICE

\$28⁰⁰



Select Your Console for the Chassis You Want

New Low Prices on Quality Consoles

DE LUXE HI-BOY CONSOLE

A DE LUXE Hi-Boy Console in genuine walnut that immediately appeals to the lover of good furniture. Artistic in design, yet plain enough to be in excellent taste. Its rich two-tone finish, beautiful over-lays, and paneling; coupled with its attractively turned legs and cross brace, imparts a richness in appearance that is bound to please.

BEAUTIFULLY GRAINED SELECTED WOODS

In the finish of the De Luxe Hi-Boy, all the natural beauty of the grain of the wood is retained. Console stands 47 1/2 in. high, 24 in. wide, by 15 1/2 in. deep. Beautifully designed silk backed grill accommodates speaker, and ample room is provided for batteries, eliminators, etc. Set compartment measures 21 in. by 9 in. by 13 1/2 in. deep.

AMPLE SIZE

Every dealer should feature a Hi-Boy Console of this type. It combines utility with efficiency, requiring small floor space, yet providing ample room for receiver, speaker, accessories, etc., accessible from the back.

CONSOLE ONLY

Here you are offered the De Luxe Hi-Boy Console without speaker. It comes to you just as illustrated above, ready for installation of speaker and set. Shipping weight, 100 lbs.

No. 9206.
List price,
\$45.00.
**YOUR
PRICE**

\$19⁶⁵

BEAUTIFUL

FINISH

A genuine 5-ply walnut, finished in lacquer hand-rubbed to a soft, glossy appearance. Its unusual finish is such as is only found in quality furniture.

CONSOLE WITH SPEAKER

Here the De Luxe Hi-Boy is offered equipped with a genuine Farrand Magnetic Cone Speaker, noted for its wonderful mellow tone quality. A full description of this speaker will be found on page 137. Shipping weight, 125 lbs.

No. 9207.
List price, \$60.
**YOUR
PRICE**

RIGID

CONSTRUCTION

This console has a ruggedness and rigidity that will prove a revelation to the purchaser. Every requirement of the radio user has been considered in its design.

\$26⁶⁵



WITH KNIGHT 8/9 CHASSIS SPEAKER

The De Luxe Hi-Boy completely fitted with the famous Knight 8/9 chassis as fully described on page 12, along with a genuine Farrand Magnetic Cone Speaker, as shown on page 137, is offered at the remarkable low price quoted. Tubes, aerial and ground equipment not included. A real value. Weight, 150 lbs. No. 9821. List price, \$160.00. **YOUR PRICE**.....

\$71⁶⁵

GENUINE WALNUT CONSOLE

TO the dealer who is looking for the finest in radio furniture, we heartily recommend this genuine walnut Hi-Boy Console. Built by a factory with a reputation of many years standing as producers of quality furniture, its design is the work of artists. The small constructional details have been carefully worked out, assuring unusual ruggedness and rigidity.

FOR YOUR FINEST RECEIVERS

Only the finest combination walnut ply wood is used, and this coupled with modern manufacturing methods, has produced in this cabinet a rare piece of furniture. Console stands 47 in. high, requires floor space of 29 in. by 17 in. Set compartment measures 23 1/2 in. long, 8 in. high, by 13 1/2 in. deep. Ample size for the largest receivers.

GRAINED WOOD WITH OVER-LAYS

The beautiful finish, coupled with the attractive grained woods used in its construction, imparts a wonderful appearance to this Hi-Boy. The attractively designed silk backed grill encloses a speaker compartment, having ample space for all necessary accessories. The four legs are of the carved spindle type, braced with attractively designed stretcher.

CONSOLE ONLY AS DESCRIBED

This beautiful console with its non-marring finish, will add a spot of beauty to the most finely furnished home. Its ample size adapts it for use with a wide variety of receivers. Speaker not included. Weight, 100 lbs.

No. 9222. List price, \$65.00. **YOUR PRICE**

\$27⁷⁵

CONSOLE WITH FARRAND MAGNETIC CONE SPEAKER

Equipped with a genuine Farrand Magnetic Cone Speaker, this Console stands forth as an unusual value. The wonderful tone quality of the speaker is in strict keeping with the beauty of the cabinet. Weight, 105 lbs. No. 9223. List value, \$80.00. **YOUR PRICE**.....

\$34⁷⁵

CONSOLE WITH FARRAND DYNAMIC POWER SPEAKER

This genuine walnut console equipped with the celebrated Farrand 110 volt A-C type Dynamic Power Cone Speaker, is offered at an unusual low price. Description of this speaker on page 137. Highly recommended. Weight, 115 lbs. No. 9224. List value, \$110.00. **YOUR PRICE**.....

\$48⁷⁵



Select Your Consoles for the Chassis You Want

Beautiful Walnut Designs

AN OUTSTANDING CONSOLE VALUE

HERE you are offered a genuine walnut console of unusual design and finish. The natural beauty of the walnut has been further enhanced by applying a real piano hand-rubbed lacquer finish. Nothing has been omitted that would lend character and beauty to this console. Its design is the work of artisans, while its symmetrical lines and soft satin sheen finish fit it for use in the finest homes.

BEAUTIFUL TWO-TONE FINISH

The rich two-tone finish and the beautiful design of the scrolled maple over-lays on the doors, provides exquisite decoration. Console stands 41 in. high, top measures 22½ by 15½ in. The ample size set compartment measures 20 in. long, by 9 in. high, by 11¼ in. deep. The speaker compartment with its beautiful silk backed grill provides ample space for all necessary accessories.

CONSOLE ONLY AS DESCRIBED

Genuine walnut construction of unusual design with maple over-lays, attractive hand-rubbed lacquer finish, coupled with unusual design makes this console a remarkable value, at the low price quoted. Shipping weight, 90 lbs.

No. 9212. List, \$55.00. YOUR PRICE.....

\$24⁰⁰

CONSOLE WITH SPEAKER

With Farrand Magnetic Cone. Shipping weight, 95 lbs.

No. 9213. Retail, \$70.00.

\$31⁰⁰

WITH KNIGHT A-C 6/7 CHASSIS AND FARRAND SPEAKER

Knight 6/7 A-C Chassis and Farrand Magnetic Cone Speaker. Shipping weight, 140 lbs.

No. 9822. List, \$165.00.

\$63⁹⁵

WITH EIGHT-TUBE D-C CHASSIS AND SPEAKER
Fitted with eight-tube D-C chassis and Farrand Magnetic Cone Speaker. Shipping weight, 135 lbs.

No. 9823. List, \$130.00. YOUR PRICE.....

\$61⁵⁰



Walnut Console DeLuxe

ONLY the finest selected veneers, carefully picked for the beauty of their grain, are used in this gem of the cabinet makers art. Its handsome appearance and inherent beauty makes it worthy of a place in the most finely appointed home. Its exclusive design and rich appearance instantly commends it to the lover of fine furniture. Manufactured under modern methods, it is unusually rigid, and with ordinary care can be depended upon for a lifetime of service.

ATTRACTIVE GRAINED WOOD

Genuine selected walnut ply wood is used in its construction. Each piece is selected for the beauty of its grain, producing in the finished cabinet an attractiveness that wins instant admiration. The console stands 41 in. high, top measures 25 in. wide, and 14¾ in. deep.

FOR THE LARGEST SETS

The set compartment measures 22½ in. wide, 9¾ in. high, and 13 in. deep. Provides ample space for the largest receivers. Attractively finished in two-tone walnut, with beautifully designed silk-backed grill.

CONSOLE ONLY AS ILLUSTRATED

This big, beautiful, genuine walnut console is offered at a price far below its actual value. Its unusual design, attractive finish and substantial construction, stamps it out as an unusual value. Highly recommended. Shipping weight, 90 lbs.

No. 9217. List, \$45.00.

YOUR PRICE.....

\$18⁸⁵

CONSOLE WITH FARRAND CONE SPEAKER

Equipped with a genuine Farrand Magnetic Cone Speaker, this console comes to you ready for the installation of your set. Description of speaker will be found on Page 137. Shipping weight, 95 lbs.

No. 9218. List value, \$60.00. YOUR PRICE.....

\$25⁸⁵

WITH FARRAND DYNAMIC SPEAKER

Console equipped with celebrated Farrand 110 volt, A-C Type Dynamic Power Cone Speaker. A real value. Speaker fully described on Page 137.

No. 9219. Shipping weight, 110 lbs. List, \$100.00. YOUR PRICE.....

\$39⁸⁵



The rare beauty of this walnut console de luxe will win the instant admiration of your trade. Feature it with your own sets.

Equip these with Knight Chassis

Buckeye Walnut Consoles

BURL WALNUT CONSOLE

NOTED for its distinguished appearance and unusual design. Only carefully selected genuine black walnut and fine American gum wood used in its construction. The front doors are in matched butt walnut, as well as the inside panels. Offering an attractive appearance whether the doors are open or not.

DISAPPEARING DOORS

The doors are diamond matched walnut of unique design, sliding back out of the way when opened. Finished in a beautiful hand-rubbed lacquer finish.

BUTT WALNUT MATCHED TRIM

This gorgeous console of burl and striped walnut stands 50 in. high, 27½ in. wide and 17 in. deep. The spacious set compartment measures 24 in. wide, 9 in. high and 13 in. deep. The speaker compartment measures 24 in. by 9¾ in. by 13 in. deep.

CONSOLE ONLY

This console with its beautiful diamond matched black walnut doors and panels is offered at a price far below its actual value. Recommended to those who want the finest. Shpg. wt., 105 lbs. No. 9225. List, \$75.00. **YOUR PRICE... \$45³⁵**

WITH FARRAND MAGNETIC CONE SPEAKER

Here this famous console is offered equipped with a genuine Farrand Magnetic Cone Speaker. Shipping weight, 110 lbs. No. 9226. List value, \$95.00. **YOUR PRICE... \$52³⁵**

WITH FARRAND DYNAMIC SPEAKER

Equipped with genuine Farrand 110 volt, A-C Type Dynamic Power Cone Speaker, as described on Page 137. Shipping weight, 125 lbs. No. 9227. List value, \$125.00. **YOUR PRICE... \$66³⁵**

WITH KNIGHT 10/11 A-C CHASSIS

Complete receiver including Knight 10/11 A-C Chassis as described on Page 74, along with genuine Farrand Magnetic Cone Speaker. Shipping weight, 165 lbs. No. 9825. List value, \$250. **YOUR PRICE... \$107³⁵**



This gorgeous console can be fitted with any of the famous Knight, A-C chassis, listed in this catalog.

THE CONSOLE BEAUTIFUL

A CONSOLE that for attractiveness and beauty, is in strict keeping with the modern trend in furniture. Case of genuine black walnut and fine American gum wood. The doors and front panels present a striking appearance, being made up of perfectly matched butt walnut.

GENUINE BLACK WALNUT TRIM

Console stands 50 in. high, 27½ in. wide, and 17 in. deep. Behind the beautiful silk backed grill is a speaker compartment measuring 9¾ in. high, 23 in. wide and 13 in. deep.

FOR THE CUSTOM BUILT SET

The large size set compartment measuring 24 in. wide, 13 in. deep, and 9 in. high, is ample to accommodate the largest receiver. Built in the form of a drawer, sliding in and out on rollers, for ready access to the set. Highest quality throughout.

CONSOLE ONLY

Console of combination black walnut, beautifully finished. Price does not include speaker. Weight, 105 lbs. No. 8214. List price, \$80. **YOUR PRICE... \$43³⁵**

CONSOLE WITH MAGNETIC SPEAKER

Has genuine Farrand Magnetic Type Cone Speaker, ready for installation of your receiver. See Page 137; complete description. Weight, 110 lbs. No. 8215. List value, \$100.00. **YOUR PRICE... \$50³⁵**

CONSOLE WITH DYNAMIC SPEAKER

Console with Farrand 110 volt, A-C Type Dynamic Power Speaker. Weight, 130 lbs. No. 9216. List value, \$130.00. **YOUR PRICE... \$64³⁵**

WITH KNIGHT 10/11 CHASSIS AND SPEAKER

Complete Knight 10/11 chassis as listed on Page 74, and Farrand Magnetic Cone. Shpg. weight, 165 lbs. No. 9824. Retail, \$220.00. **YOUR PRICE... \$105³⁵**



Walnut Creations of BUCKEYE... LUND... EXCELLO..

EXCELLO WALNUT CONSOLE

A BEAUTIFULLY designed, rigidly constructed console with five-ply walnut top and panels. The attractively figured front doors are of selected matched butt walnut. Beautifully finished in walnut, hand rubbed.

REAL WALNUT CONSTRUCTION

Only the finest selected walnut panels are used in its construction. Console stands 40 in. high, 27 in. wide, and 16 in. deep. An ample size set compartment is provided, accommodating panels up to 9 1/2 in. x 21 in. and 12 1/2 in. deep. Ample space is provided in the speaker compartment for all necessary accessories.

BEAUTIFUL BUTT MATCHED DOORS

You will appreciate the splendid finish of this console. It is American walnut, rubbed to a soft dull gleam, imparting to the wood an exquisite texture.

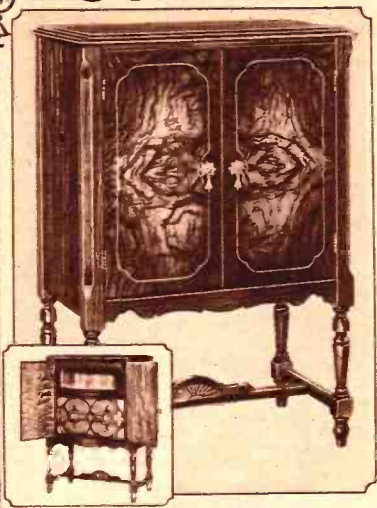
CONSOLE ONLY

For those who desire to install their own speaker and set, this console is offered as illustrated. Shipping weight, 120 lbs. **\$29⁴⁰**
No. 9210. Retail, \$50.00. **YOUR PRICE**

WITH FARRAND CONE SPEAKER

This beautiful console is here offered, fitted with a genuine Farrand Magnetic Cone Speaker. A full description of the speaker will be found on Page 137. Ship. wt., 125 lbs. No. 9211. Retail, \$65.00.

PRICE \$36⁴⁰
YOUR PRICE



CONSOLE OF RARE BEAUTY

An attractive console with genuine selected butt walnut doors, bearing a beautiful scroll design in two tone effect. Walnut ply wood top, sides and grill. Doors swing back to sides of cabinet. Fancy rail and stretcher. Compartment will accommodate batteries and speaker. 22 in. wide, 14 1/2 in. deep, 17 in. high.

FOR YOUR FINEST SETS

This walnut ply wood model presents extraordinary appeal. It is worthy of housing the finest receivers. Stands 48 in. high, top measures 24 in. wide by 18 in. deep. Accommodates any size panel up to 21 in. wide, 10 in. high, 14 1/2 in. deep. Set compartment arranged in drawer style.

CONSOLE AS ILLUSTRATED

This beautiful walnut console is priced under all competition on cabinets of this grade. Beautiful finish, and attractive design. Shipping weight, 110 lbs.

No. 9220. Retail, \$70.00.

YOUR PRICE

\$32³⁴



With
Farrand
Magnetic
Speaker

With Farrand Cone Speaker. Ship. wt., 115 lbs. No. 9221. Retail, \$85.00.

YOUR PRICE \$39³⁴



BUCKEYE QUALITY CONSOLE

Constructed of genuine black walnut and American gum wood, with matched butt walnut doors and inside panels. The overlays on the doors are of genuine birds-eye maple producing an attractive two-tone effect. Antique brass trimmings. High-lighted, shaded and rubbed lacquer finish.

BIRDS-EYE MAPLE OVERLAYS

Console stands 44 in. high, top measures 29 1/2 in. wide, by 16 1/2 in. deep. The ample size set compartment measures 9 in. high, 24 1/2 in. wide, and 12 1/2 in. deep. The speaker compartment with its attractive grill measures 26 1/2 in. wide, by 15 1/2 in. high, by 12 1/2 in. deep.

CONSOLE ONLY AS DESCRIBED

Attractively finished in hand-rubbed lacquer with beautifully matched figured doors, and maple overlays. S. wt., 120 lbs. No. 9204. Retail, \$85.00.

YOUR PRICE \$49⁵⁰

WITH FARRAND CONE SPEAKER

Equipped with genuine Farrand Magnetic Cone Type Speaker, noted for its remarkable tone and volume. See this speaker on Page 137. Shipping weight, 125 lbs. No. 9205. Retail, \$110.00.

YOUR PRICE \$56⁵⁰



A Knight Chassis and a Quality Console

Exquisite Designs by "Superior"

CONSOLE BEAUTIFUL

The cabinet is of selected genuine Walnut picked for the beauty of its grain. The doors are faced with fancy matched Butt Walnut, attractively over-layed with well figured Scroll Maple and heavy shaped mouldings. A convenient drop door is arranged at the lower front opening to a spacious chamber.

STRIKING WALNUT BURLS

The beauty of the Walnut Burls, and the attractive way that they are Butt Matched, imparts to this console unusual richness and dignity in appearance. Its graceful, yet conservative lines, adapt it for use in any setting.

MASSIVE STURDY CONSTRUCTION

Console stands 52 in. high, 32 1/2 in. wide, and 18 1/2 in. deep. The spacious set compartment is 28 in. long, 9 1/2 in. high, and 13 1/2 in. deep. The large size speaker compartment with its attractive molded silk backed grill, measures 29 1/2 in. long, 10 1/2 in. high, and 14 1/2 in. deep.

CONSOLE ONLY

This substantial beautifully finished console represents an unusual value at the low price quoted. Speaker not included. Shipping weight, 110 lbs.

No. 9228. List, \$95.00. **YOUR PRICE**

\$55⁸⁶

WITH FARRAND MAGNETIC CONE

Equipped with a genuine Farrand Magnetic Cone Speaker, this console comes to you ready for the installation of your set. Shpg. wt., 125 lbs.

No. 9229. List, \$115.00.

\$62⁸⁶

WITH FARRAND DYNAMIC SPEAKER

Equipped with a genuine Farrand Dynamic Speaker, 110 volt, A-C Type. This console offers an ideal combination for the finest receivers. Shpg. wt., 140 lbs.

No. 9230. List price, \$145.00.

\$78⁸⁶

WITH KNIGHT 10/11 A-C ELECTRIC RECEIVER

With the famous Knight 10/11 A-C Chassis, as listed on page 12, and a Farrand Speaker, it is priced far below its actual value. Weight, 170 lbs.

No. 9872. List price, \$250.00.

\$117.50



Radio's Finest Console

THIS console is a faithful reproduction of an Italian Design. It will find a ready response on part of those whose homes are furnished in keeping with a period motif. The tops and ends are 5-ply veneer, faced with beautifully figured genuine Walnut. The doors are V-Matched, imported English Pollard Oak, Overlaid with heavy Walnut Scroll Panels, and ornamental wood mouldings.

BEAUTIFUL FIGURED WALNUT

Only the finest—most attractively grained Walnut is used in the construction of this console. The beautiful grain, perfectly matched, presents a striking and unusually attractive appearance.

AUTHENTIC PERIOD DESIGN

The beauty of early Italian Furniture is brought back to life in this remarkable console. The modern demand for period furniture assures unusual popularity for this console. It features a massive carved stretcher, and with its beautifully designed twisted and turned legs, it assures unusual rigidity.

FOR THOSE WHO WANT THE BEST

Console stands 50 1/2 in. high, measures 27 1/2 in. in width, 18 1/2 in. deep. Will accommodate receivers up to 9 in. high, 2 1/2 in. long, and 13 1/2 in. deep. The large size attractively designed speaker compartment measures 1 1/2 in. high, 24 in. long, and 13 1/2 in. deep, providing ample space for both speaker and necessary accessories.

CONSOLE ONLY AS DESCRIBED

Highly recommended to those who cater to the better type of radio trade. Shpg. wt., 136 lbs.

No. 9231. List price, \$88.00.

\$51⁷⁵

WITH FARRAND DYNAMIC SPEAKER

Equipped with the famous Farrand 110-volt A-C Type Dynamic Speaker, this console represents the utmost in speaker-equipped radio furniture. Shipping weight, 148 lbs.

No. 9232. List price, \$108.00.

\$58⁷⁵

YOUR PRICE

Buckeye Walnut Consoles

A GORGEOUS CONSOLE

A CONSOLE of unusual design and outstanding beauty. The beautiful panelled doors—the attractive rope-style turned legs and the ornamental stretcher, all combine in stamping this console as an unusual value.

DIAMOND MATCHED WALNUT

The front doors are of genuine matched walnut with over-lays of striped mahogany creating a beautiful two-tone effect. It is finished with a shaded burl walnut that perfectly harmonizes with the furnishings in any room.

EXQUISITELY FINISHED

The fine high-lighted, shaded and rubbed lacquer finish, retains all the natural beauty of the grain of the wood. The console stands 45 1/2 in. high, measures 24 1/2 in. wide, by 16 1/2 in. deep. The set compartment measures 20 3/4 in. wide, 9 in. high and 12 3/4 in. deep. The ample size speaker compartment behind the beautiful silk backed grill, measures 13 in. high, 22 3/4 in. wide and 12 1/4 in. deep, providing space for the speaker, and the necessary accessories.

A FEATURE VALUE

The striking appearance of this remarkable console, coupled with the unusual size of its set and speaker compartments, adapts it for use with practically all of the new receivers. The set compartment is in drawer form.

CONSOLE ONLY

Console without speaker at a price far below its actual value. Shipping weight, 105 lbs.

No. 9241. List, \$75.00. **YOUR PRICE \$43⁷⁵**

CONSOLE WITH CONE SPEAKER

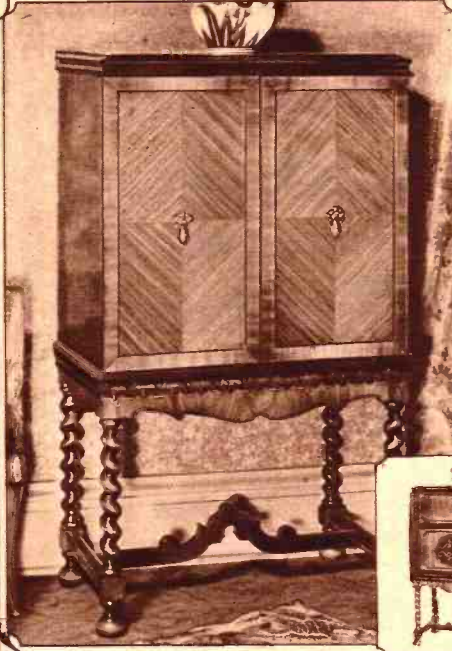
Equipped with the famous Knight 6/7 A-C Type Cone Speaker. Shipping weight, 110 lbs.

No. 9242. List price, \$95.00. **YOUR PRICE \$50⁷⁵**

WITH KNIGHT 6/7 A-C CHASSIS

Equipped with the famous Knight 6/7 A-C Shipping weight 150 lbs.

No. 9878. List value, \$160.00. **YOUR PRICE \$83⁷⁰**



REAL CONSOLE VALUE

YOUR better trade will be quick to appreciate the unusual design and beauty of this remarkable console. The doors are made of 5 ply veneer swirled English oak with genuine carved moldings on the apron going all the way around the sides of the cabinet, producing an exquisite result.

DISAPPEARING DOORS

Unusual design in this console permits of the doors telescoping back into the cabinet itself, protecting them from damage, and taking less space.

GENUINE CARVED MOLDINGS

The genuine carved moldings along with the rope-style turned legs, and attractive carved stretcher, result in an exquisite design. The console stands 49 in. high, 3 in. wide and 16 1/2 in. deep. Set compartment measures 22 1/2 in. wide, 13 in. deep and 9 in. high. Speaker compartment measures 24 in. wide, 8 1/2 in. high, by 13 1/2 in. deep.

SELECT YOUR OWN SPEAKER

The design of this console is such that it will accommodate practically any type of speaker. Selection can be made from the large variety shown.

CONSOLE ONLY AS ILLUSTRATED

Console not including speaker. Dynamic or Magnetic Cones on Page 137 are recommended.

Shipping weight, 105 lbs. **\$49⁹⁵**

No. 9243. Retail, \$85.00.

WITH FARRAND SPEAKER

Fitted with genuine Farrand Magnetic Cone Speaker as described on page 137. Set not included. Shipping weight,

110 lbs. **\$56⁹⁵**

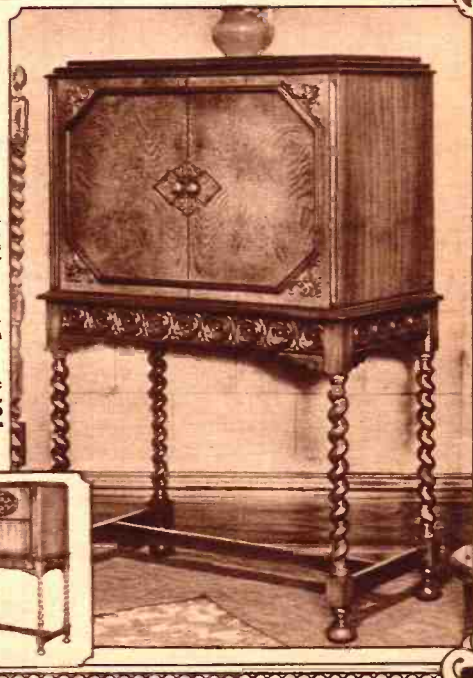
No. 9880. Retail, \$275.

WITH KNIGHT 8/9 A-C CHASSIS

Fitted with the famous Knight 8/9 A-C Chassis described on Page 12, with a genuine Farrand Magnetic, Cone Speaker. Shipping weight, 165 lbs.

No. 9879. List \$250. **\$101⁹⁵**

YOUR PRICE



Beautiful Walnut Designs



De Luxe Ortho-Type Console

DESIGNED for either A-C or Battery Operated Receivers. It offers a de luxe console of genuine American walnut with 5-ply walnut veneer top and panels. The doors are of 5-ply selected and matched butt walnut veneer. Attractively paneled.

GENUINE BUTT WALNUT VENEERS

The unusual beauty and care used in matching the walnut butt veneers on the doors of this console, coupled with its hand-rubbed combination finish, stamps it as one of the season's finest Ortho-type consoles. Its rigid construction and perfect workmanship, makes it good for a life time of service.

SELECT YOUR OWN SPEAKER

Speaker compartment measures 29 in. by 14½ in. deep, providing ample space for the largest speakers. Console stands 42 in. high, measures 32½ in. wide and 18½ in. deep. The receiver compartment measures 29 in. by 10 in. by 13½ in. deep.

CONSOLE AS ILLUSTRATED

Genuine walnut console as described above, without speaker. Shipping weight, 125 lbs.

No. 9235. List price, \$90.00.

YOUR PRICE.....

No. 9244. With Temple Air

Chrome Speaker. Wt., 135 lbs.

List, \$115.00. NET

\$52⁹²

\$67⁶²



UTILITY CONSOLE DELUXE

CONSTRUCTED of genuine walnut throughout, with matched butt walnut veneer doors. A large drawer below the receiver compartment provides space for stationery, log books, etc., and a hinged lid provides a writing surface.

SECRETARY DESK COMBINATION

The writing bed feature of this console assures utmost utility. The receiver compartment is in the form of a sliding drawer, measuring 29 in. long, 9½ in. high and 13½ in. deep.

Ample Size For Largest Receivers

The speaker compartment provides ample room for horn or cone type speakers, as well as accessories for D-C receivers. Console stands 55 in. high, top measures 34 in. wide and 18 in. deep. Beautifully designed and turned legs with ornamental carved stretcher.

CONSOLE AS ILLUSTRATED

Complete console as described above, not including speaker. A real value. Shpg. wt., 135 lbs.

No. 9236. List price, \$100.00.

YOUR PRICE.....

\$58⁸⁰



CONSOLE OF RARE BEAUTY

THE market has not yet presented anything in radio furniture to compare with this cabinet in beauty of design and expert craftsmanship. It is a gem of the cabinet makers art.

Diamond Matched Betula Wood

A special feature of this remarkable console is the Serpentine design sides which give it a charm never before shown in radio consoles at anywhere near this price. Doors of one-half diamond matched Betula wood with beautiful blended shadings, and inlaid floral decorations. Zebra wood apron and frieze. Top and sides of genuine walnut. Graceful turned legs, supported by a very artistic stretcher.

Inlaid Floral Decorations

The Serpentine sides and the beautifully matched front doors, with their attractive floral inlay stamps this console as unusual. Console stands 56 in. high, 25 in. wide, and 18½ in. deep. Accommodates any size panel up to 21 in. wide, 10½ in. high.

CONSOLE ONLY

This beautiful console is offered complete as illustrated above without speaker. Genuine Farrand Speakers as listed on page 137 are recommended. Shipping weight, 125 lbs.

No. 9237. List, \$126.00.

YOUR PRICE.....

\$74⁹⁰



Exquisite Radio Consoles

COMBINING RARE BEAUTY WITH UTILITY

FOR YOUR FINEST RECEIVERS

The Console Beautiful

A NEW console design, that is proving extremely popular. It features a new curved walnut top. The sides are of selected genuine walnut ply wood, while the doors are beautifully matched with butt walnut, embellished with carved molded panels, and half-round turnings. The apron is in genuine maple burl, while the frieze is in carved burl maple over-lay at the top.

GENUINE MATCHED BUTT WALNUT

The walnut panels carefully selected for the beauty of their grain, are attractively blended by a shaded high-lighted finish. The doors fold clear back against the sides of the cabinet. Attractively designed legs and ornamental stretcher impart unusual rigidity.

CARVED BURL MAPLE FRIEZE

The lover of good furniture will be quick to appreciate the beauty of this console. Nothing has been spared in its construction and finish to make it an outstanding piece of radio furniture. The illustration does not do justice to its wonderful appearance.

BEAUTIFUL HIGH-LIGHTED FINISH

You will appreciate the splendid finish of this remarkable console. It is hand-rubbed to a soft, dull gleam, giving the wood an exquisite velvety texture. This beautiful finish is found only on the finest furniture.

AMPLE SIZE FOR BIG SETS

Console stands 56 in. high, measures 28 in. wide and 19½ in. deep. The speaker will accommodate any size panel up to 21 in. wide, 10½ in. high, and 14½ in. deep. The speaker compartment behind the beautiful silk backed grill, measures 22½ in. wide, by 9 in. high, by 15 in. deep. The chassis board is mounted on rollers, and is of the easy sliding pull-out type; permitting ready access to the receiver at all times.

CONSOLE ONLY

This beautiful console is here offered complete, as illustrated. A speaker for it may be selected from the large variety listed in this catalog. Its large speaker compartment will accommodate practically any type of speaker. Highly recommended to all who desire unusual quality, in radio furniture. Shipping weight, 120 lbs.

No. 9238. List price, \$98.50.
YOUR PRICE...

\$57⁹²



ORTHO-TYPE CONSOLE DELUXE

ATTRACTIVE IN DESIGN—BEAUTIFUL IN FINISH

FOR those who favor the Ortho type of console, this beautiful cabinet is offered. It is of genuine walnut ply wood, beautifully silk backed grill, providing ample space for either the long air-column horns, or the new Magnetic or Dynamic Speakers.

It stands 44¾ in. high, top measures 28 in. wide, and 17 in. deep. Set compartment measures 24¾ in. long, 12 in. high, and 12½ in. deep. Will accommodate any size panel up to 8 by 21 in. Behind the beautiful silk backed Cathedral grill, ample space is provided to accommodate the largest speaker, along with all necessary accessories. Speaker compartment measures 24¾ in. wide, 24¼ in. high, and 14 in. deep.

CONSOLE ONLY

For those who desire to select their own speaker, this console is offered as illustrated, without speaker equipment. A speaker for this console may be selected from this catalog. Shipping weight, 130 lbs.

No. 9239.
List price, \$85.00.

YOUR PRICE

\$41⁶⁵

WITH AIR COLUMN SPEAKER AND UNIT

Here this ortho type console is offered equipped with an 86-inch exponential type air column speaker and genuine Fidelity unit. All ready for the installation of your receiver. Shipping weight, 135 lbs.

No. 9240.
List price, \$108.00.

YOUR PRICE

\$49⁷⁵

WITH KNIGHT 8/9 A-C CHASSIS

With the famous Knight 8/9 A-C Chassis, and 86-inch air column speaker and unit, it offers an unusual value. Chassis description on Page 12. Shipping weight, 170 lbs.

No. 9876. Retail, \$200.00.

YOUR PRICE

\$94⁷⁵

WITH KNIGHT 6/7 A-C CHASSIS

Consists of complete receiver, including console with Knight 6/7 Chassis, as listed on Page 4, along with 86-inch air column speaker and unit. Shipping weight, 160 lbs.

No. 9877. Retail, \$185.00.

YOUR PRICE

\$82²⁵



New Low Prices on Quality Consoles

A GORGEOUS CONSOLE

THE pleasing lines of this exceptionally high grade cabinet and its low price have combined to make it the first choice of many shrewd buyers. Its striking appearance, unusual design, and beautiful finish, is found only in the highest grade of furniture. Its graceful proportions and harmonious finish adapts it for use in practically any setting.

Grained Doors of Brilliant Maple

Sugar Maple Doors, retaining all the natural beauty of the striking grain of this choice wood, are treated with attractive scroll work designs, richly shaded in a two-tone effect, and so designed that they fold clear back to the sides of the cabinet. The top and sides and apron are of genuine Walnut Ply Wood, with decorated Sycamore Frieze, attractive double stretcher with turned ornament.

Finish of Rare Beauty

Here is a console that shows the designing skill and taste of a real artist. The selected woods, with their beautiful hand-rubbed finish produce a harmonious result that is seldom approached in radio furniture.

For All the New Receivers

The console stands 55 in. high, measures 26½ in. wide, and 19 in. deep. Will accommodate any size panel up to 21 in. wide, 10½ in. high, and 14½ in. deep. The chassis board is of the sliding pull-out type, mounted on rollers.

Select Your Own Speaker

The ample size of the speaker compartment permits the use of practically any type of speaker. Genuine Farrand Magnetic and Dynamic Speaker Chassis, especially adapted for this console, will be found listed on Page 137.

Console Only

For those who desire a console of unusual beauty and Sterling Quality, this remarkable furniture is offered. A real value. Shipping weight, 120 lbs. No. 9233. List, \$85.00

YOUR PRICE

\$49⁹⁸



Console of Rare Beauty

A CONSERVATIVE model of graceful proportions presenting a very rich and attractive appearance. Carefully selected woods are used in its construction. The doors are of genuine matched Butt Walnut, attractively shaded, and neatly paneled; so designed that they fold clear back to the sides of the cabinet. The specially designed Frieze and Apron are of Zebra Wood, while the top and sides are of ply walnut. The attractive design of the legs and ornamented stretcher merit particular attention.

SELECTED WOODS

The greatest care is exercised in the selection of the woods used in the construction of this console. Only the choicest pieces, showing to advantage the beautiful grain of the wood, are used, resulting in a beautiful overall effect in the finished console.

BETTER FURNITURE

The desire of the radio public for unusual and striking radio furniture assures tremendous popularity for this remarkable console. Its dignified appearance, coupled with its attractive finish, will harmonize in any setting, regardless of the period motif.

BEAUTIFUL FINISH

The finely rubbed and high-lighted finish of this console is the work of experts. Its soft, dull sheen is the delight of all who see it. Its finish can only be associated with the highest priced furniture. You will marvel that such quality can be sold at so low a price.

Ample Size for Large Sets

Console stands 57 in. high, measures 26 in. wide, and 19 in. deep. Accommodates any receiver up to 21 in. wide, 10½ in. high, and 14 in. deep. Speaker compartment measures 22 in. wide, 10 in. high, and 14 in. deep. Chassis board arranged in new sliding pull-out style, mounted on rollers.

Console as Illustrated

This beautiful console is offered at a price far below its actual value. A speaker for it may be selected from the large variety shown in this catalog. Shipping wt., 120 lbs.

No. 9234. List price, \$92.00.

YOUR PRICE

\$54¹⁰



Select Your Consoles for the Chassis You Want

SPECIALS that Sell

A NEW MAGAZINE BASKET and SMOKER STAND



A practical piece of furniture for use in any home. Its excellent design and beautiful finish stamps it as a real profit maker. It stands 30 1/4 in. high, by 12 1/4 in. wide, by 7 1/2 in. deep. Two spacious compartments are provided for holding magazines, etc., while above, an attractively finished shelf accommodates the smoker's accessories.

REAL UTILITY

Substantially constructed of three ply veneer with double lacquer finish, and beautifully colored floral panel on each side. It offers an odd piece of furniture that can be used effectively in any home.

No. 9251. Shaded light walnut finish.
No. 9252. Red lacquer finish.
No. 9253. Green lacquer finish.

\$5²⁵

Shipping weight, 14 lbs.
Retail, \$12.00. YOUR PRICE.....

FLOOR MAGAZINE BASKET

A beautifully finished magazine rack that your trade will be quick to appreciate. Substantially constructed, and attractively finished.

Stands 17 1/4 in. high, 12 in. wide and 8 1/2 in. deep. A beautifully colored floral design enhances the appearance of each side. Two spacious magazine compartments are provided. Its attractive crackle finish blends harmoniously with the furnishing of any room.

No. 9257. Red crackle
No. 9258. Green crackle
Retail \$5.00. Shipping
wt. 8 1/2 lbs.

\$2²⁵

YOUR PRICE.....



HIGHBOY MAGAZINE RACK



A popular piece of furniture that will find favor with your trade. Gracefully designed, beautifully finished and sturdily built. Attractively turned legs and stretcher impart unusual rigidity to its construction. Beautiful floral design in natural colors further enhances its attractive appearance. Wide spacious magazine compartments. Three ply veneer construction.

A PROFIT MAKER

The live radio dealer will be quick to realize the profit-making possibilities in these novelty pieces of furniture, finished to match the new radio receivers. Stands 30 1/4 in. high, 11 1/4 in. wide, and 9 1/4 in. deep. Shpg. wt., 14 lbs.

No. 9254. Light walnut.
No. 9255. Red crackle.
No. 9256. Green crackle.

Retail \$9.00.
YOUR PRICE.....

\$4⁵⁰

DECORATED MAGAZINE RACK

Extremely popular because of its natural beauty and attractive price. Made of selected kiln-dried three-ply veneer panels. Attractively finished with two coats of high quality lacquer that will not mar or chip. A wonderful piece for the living room, den, or any odd corner.

FLORAL DESIGN

On each side panel, a beautiful floral design comprising a spray of flowers in natural colors, greatly adds to the rich appearance. A final coat of clear lacquer imparts a fine luster and assures permanence of colors.

Stands 27 in. high, 13 1/2 in. wide, 7 1/2 in. deep. Shipping weight, 9 lbs.
No. 9259. Red crackle.
No. 9260. Green crackle finish.
Retail \$7.50
YOUR PRICE.....

\$4²⁵



QUALITY END TABLE

An attractive piece of furniture that has proven tremendously popular with the radio trade. Just the thing for the den or any vacant corner in the house. Its walnut finish with the beautiful floral design on the top panel, is the delight of all who see it. Top measures 12x24 in. and stands 25 in. high. Substantially constructed with attractively turned legs and cross brace.

REAL FURNITURE

A beautiful piece of furniture. Durable shaded
Shipping

\$3⁴⁵



light walnut.
weight, 15 lbs.
No. 9264. Retail \$8.00.
YOUR PRICE.....

PRISCILLA SEWING CABINET

A piece any woman will be proud to own. It offers a grace and daintiness that will add charm to any room. Its sturdy construction and design assures life-long service. Includes inside tray for sewing material.

HIGHEST QUALITY

Made of kiln-dried selected three-ply veneer panels, decorated with a handsome floral medallion in natural colors on both sides. Stands 28 in. high, 14 in. wide, and 10 in. deep. Shipping weight, 14 lbs.

No. 9261. Shaded light walnut finish.
No. 9262. Red lacquer finish.
No. 9263. Green lacquer.

Retail \$10.00
YOUR PRICE.....

\$4⁷⁵



Portable Phonographs *that sell*

A NEW PROFIT MAKER FOR THE RADIO DEALER

A N outstanding line of Portable Phonographs for which every one of your customers is a prospect. Their unique design and perfect construction makes them comparable in tone quality to the highest priced talking machines. Their low price assures rapid turn-over and substantial profit. All models are in beautiful carrying cases, with easy grip handles and sturdy locks. Their low prices assure volume sales.



PAL

JUNIOR PORTABLE

A popular priced Portable Phonograph that has proven unusually attractive to the trade. Equipped with a genuine Thorens precision motor that will play two ten-inch records with one winding. The tone-arm and metal fittings are highly nickel plated, while the case is covered in genuine Du Pont Fabrikoid, in black, blue, brown, red and green. Cabinet measures 7x11 1/2 x 14 1/2 in. Diaphragm is of special construction.

No. 8301. Black with gold.
No. 8302. Blue with gold.
No. 8303. Black.
No. 8304. Brown.
No. 8305. Red.
No. 8306. Green.
Retail, \$15.00
YOUR PRICE.....

\$8⁸²



THE PAL

De Luxe Model

A feature model of the famous Pal Line of Portables covered with genuine Du Pont Fabrikoid, with beautiful embossed borders in antique gold. Case of three Ply Kilm Dried Wood, securely glued and lock-cornered. Equipped with genuine Thorens double spring motor that will play

records at one winding. Large record space.

Four Foot Sound Chamber

Provided with the four-foot Air-Column Tone Chamber, producing wonderful rich tone quality, and unusual volume. Cabinet is 15 1/2 in. long, 12 in. wide, and 7 1/2 in. high. Shipping weight, 17 lbs.

No. 8312. Red. No. 8313. Black.
No. 8314. Blue. No. 8315. Brown.
Retail, \$25.00 YOUR PRICE.....

\$14⁷⁰



PAL "KIDDI- PACT"

A SALES LEADER

A small sized portable designed especially for the children. Equipped with a full spring motor, loud volume reproducer, and is a genuine duplicate of the larger Pal models in every way. Will play four seven-inch small records with one winding. Also plays ten-inch records.

Plays 10 in. Records

Extra strong and sturdy to withstand hard usage. Not a toy, but a real Portable Phonograph. Case measures 11 1/2 in. wide, 12 in. long, and 3 1/2 in. deep. Provides space for six records. Shipping weight, 11 lbs.
No. 8307.
Retail, \$10.00.
YOUR PRICE.....

\$5⁸⁸



PAL

STANDARD MODEL

Housed in a big beautiful sturdy cabinet case, with easy grip handle, and double locking snap locks. Equipped with the famous Thorens double spring motor, it will play three ten-inch records with one winding. Covered with genuine Du Pont Fabrikoid.

THORENS MOTOR

Equipped with "S" Type throw-back tone-arms. Wonderful tone and volume. All metal parts highly nickel plated. Case measures 15 1/2 in. long, 12 in. wide, and 7 1/2 in. high. Shipping weight, 17 lbs.
No. 8308. Red.
No. 8309. Blue.
No. 8310. Black.
No. 8311. Brown.
Retail, \$25.00.
YOUR PRICE.....

\$14⁷⁰

PAL

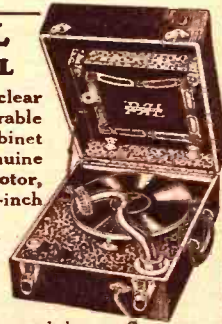
SUPERIOR MODEL

A portable phonograph clear in tone and volume, comparable to the most expensive cabinet types. Equipped with genuine double spring Thorens Motor, that will play three ten-inch records at one winding. Attractively covered with heavy Shark Grain Du Pont Fabrikoid, embossed in gold.

Marvelous Tone Quality

Specially designed reproducer, coupled with the improved throwback tone-arm, and special tone chamber, produces marvelous tone quality with unusual volume. Case measures 12 1/2 in. wide, 16 1/2 in. deep, by 7 1/2 in. high. Shipping wt., 18 lbs.
No. 8316. Black.
No. 8317. Blue.
No. 8318. Brown.
No. 8319. Red.
Retail, \$30.00. YOUR PRICE.....

\$17⁶⁴



5 TUBE SENSATION



Three Dial Control

A RELIABLE, popular, standard five-tube radio receiver. The kind of set that most people want. A popular price.

The selectivity of this five-tube circuit is equal to most higher priced multi-tube receivers. Easily tuned. Logging simple and reliable.

Stable Efficient Operation

A stabilized radio frequency circuit incorporating two stages of tuned radio frequency, detector and two audio stages. Last audio stage arranged for proper "C" bias for power tubes. Covers entire broadcast range of 200 to 550 meters. Amazing value and pure natural tone over entire scale.

Highest grade solenoid coils and straight line frequency condensers are incorporated in the construction.

Not An Obsolete Set

FOR BATTERY OPERATION

Set complete with all accessories for battery operation including five 201A tubes, one storage battery, two large 45-volt "B" batteries, complete antenna and ground outfit. Wt., 115 lbs. No. 9833. YOUR SPECIAL PRICE

\$34⁴⁵

LOW PRICE SETS RADIO HISTORY

Priced far below its real worth. Our tremendous purchasing power enables us to offer you this receiver at less than half the price you would ordinarily pay. Wt., 35 lbs. No. 9832. YOUR PRICE

\$16⁵⁰

The Grand DC 6

FOR BATTERY OPERATION

HIGHEST quality, biggest value D.C. console receiver. Incorporates the latest up-to-the-minute features of design and construction.

Full brass chassis under which are mounted the space wound solenoid radio frequency coils. These are of latest design, carefully and accurately matched, mounted and spaced at a scientifically correct angle. Finest quality apparatus used throughout.

ILLUMINATED DRUM DIAL SINGLE CONTROL

Only one small knob in the center of the panel control is used for tuning. The drum dial has a vernier reduction permitting ease of the closest adjustment. Latest design tuning control. Single illuminated drum carrying two translucent scales, one of which is calibrated from 0 to 100 while the other is blank allowing for the notation of station call letters.

On each side of the center tuning control are two small knobs, one of which is a sensitivity control and carries the "on and off" switch while the other is a volume control.

BUILT-IN CONE SPEAKER BEAUTIFUL FULL TONE

Magnetic speaker of latest design is mounted behind the graceful grill of the console. Sensitive—responds to the weakest impulse, yet will handle tremendous volume without overloading, chattering or rattle. Deep full tones. Low pitched. Brings out the bass instruments naturally, with true to life reality.

GOthic DESIGN EMBOSSED BRONZE ESCUTCHEON PLATE

The panel is strikingly attractive with distinctive Gothic design escutcheon plate with deep formed draw to the drum dial scales.

COMPLETELY EQUIPPED

For battery operation with full equipment ready to install and operate. Nothing else to buy. Includes four 201A tubes, one 200A, one 112A power tube, one 6-volt 100 amp. storage "A" battery, three 45-volt "B" batteries, two 4 1/2-volt "C" batteries, one aerial kit, built-in speaker and full instructions. Shpg. wt., 175 lbs. No. 9829. YOUR NET WHOLESALE PRICE

\$54⁵⁰



GENUINE WALNUT CONSOLE

The Grand DC 6 complete with built-in speaker.

The cabinet is of genuine walnut, 41 in. high, 28 in. wide, and 14 in. deep. Beautifully finished in shaded tones. Well proportioned with beautifully designed grill backed with attractive heavy grade silk cloth. This cabinet would ordinarily sell for \$40.00 alone without set or speaker. Shipping wt., 90 lbs.

No. 9828. Your **\$34⁵⁰**
Net Wholesale Price

Ampliphonic 7 Single DC Control

Genuine Walnut Console

THE greatest value seven tube console receiver ever offered. Beautifully designed console cabinet built of genuine walnut. 40" high, 24" wide, 16" deep. Richly colored, finely rubbed and shaded to an exquisite satin-like finish.

Single Illuminated Drum Control

The very latest method of single dial tuning. The control knob is in the center of the panel and with this one single knob all stations are easily and quickly tuned. Highest quality drum control on which is mounted two translucent scales. One of the scales is calibrated from 0 to 100 degrees while the other one is left blank for logging purposes. Miniature lamps from behind illuminate the translucent scales.

On the left of the main tuning control is a sensitivity knob combined with an "on and off" switch. The volume control is on the right hand side.

Marvelous Tone Long Air Column Speaker

Fitted with an 84" exponential ampliphonic air column with large Fidelity power unit. The volume obtained is tremendous. The tone is natural and life-like. It seems that the artists themselves actually perform before you in person, so realistic is the reproduction.

Embossed Bronze Gothic Escutcheon Plate

The design of the panel is distinctively striking and attractive. The metal panel finished in rich olive green is fitted closely behind the oval opening of the cabinet. Mounted on the panel in striking contrast to it are the bronze embossed escutcheon plates. You will find this workmanship and this regard to detail of design only in the higher priced models.

For Battery Operation

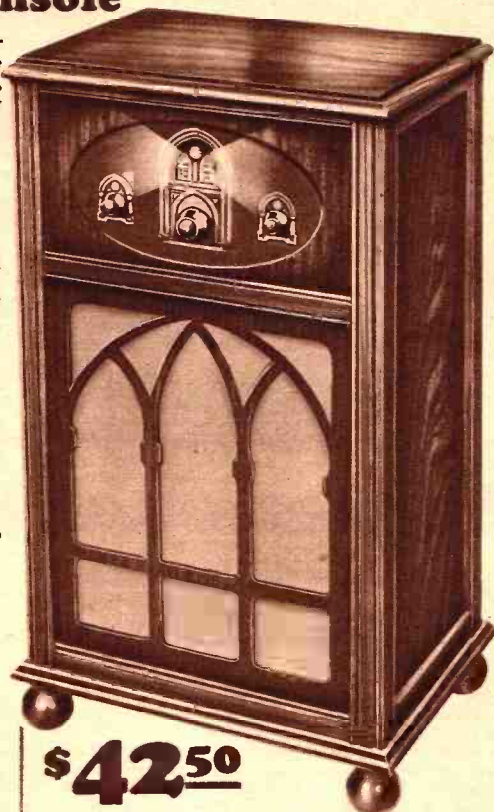
The Ampliphonic D. C. 7 is designed for use with standard five volt tubes. 201A tubes may be used throughout though it is recommended that a power tube 112A or 171A be used in the last audio stage for best results. The use of a 201A or 200A detector is optional. The 200A is somewhat more sensitive.

Completely Equipped

The Ampliphonic 7 with built in 84" air column speaker and unit complete with five 201A tubes, one 200A and one 112A tube, 100 ampere storage "A" battery, three 45 volt large "B" batteries, two 4½ volt "C" batteries, aerial and ground equipment with full instructions. Shpg. wt., 195 lbs.

No. 9835. Your Special Price.

\$65⁹⁵



\$42⁵⁰

Description of Set

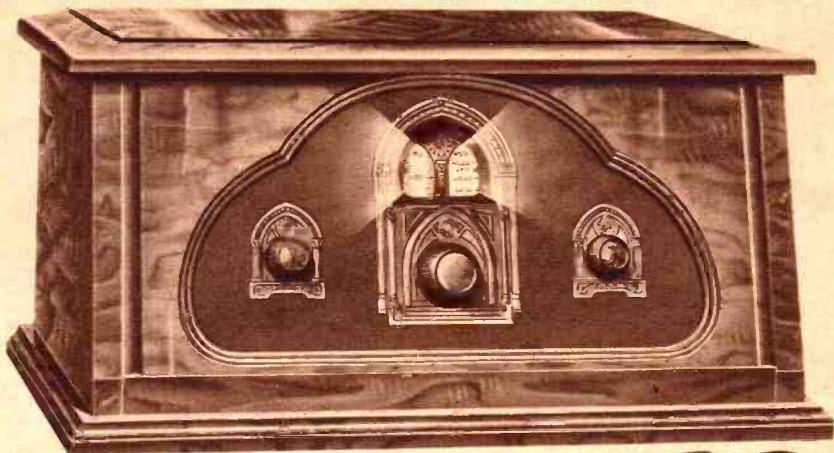
The chassis is of full brass construction beneath which are mounted three space wound solenoid low loss matched inductances. The condensers are of modified straight line frequency type carefully phased and tuned in synchronism. The first radio frequency stage is a ballast stage compensating for any antenna variations allowing perfect single dial tuning without trimmers. This is followed by two tuned radio frequency stages and tuned detector. A three stage audio system is employed, the final stage having a power transformer specifically designed to obtain greatest efficiency from the power tube. The unusual design of the audio system faithfully amplifies the full musical and audible scale equally without distortion of any portion.

Sensational Low Price Offer

A history making value. This quality cannot be equaled by anyone at the low price we offer the Ampliphonic 7 to you. A real money making opportunity for you to sell this receiver at its real value, set complete, without accessories but with built in 84" air column speaker and unit. Shpg. wt., 110 lbs.

\$42⁵⁰
No. 9834. Your Net Wholesale Price.

Gothic Jr. 6 D. C.



Sensational Price **19⁵⁰**

Single Illuminated Drum

ONE of the many unusual features of the Gothic Junior 6 is the illuminated smooth-action cable driven drum control. This single control with vernier reduction simply and easily tunes the receiver. The drum is fitted with two translucent scales, one of which is calibrated from 0 to 100 while the other scale is blank, allowing room for noting the call letters of all stations. Once a station has been logged on this scale you need only turn to it whenever you wish to hear that particular station. Each station logged will always be received on the same dial marking. Only two other auxiliary controls which have no relation to tuning. One is a sensitivity control and the other a volume control.

Gothic Escutcheon Plate of Embossed Bronze

The graceful Gothic design of the bronze escutcheon plate with the translucent drum illuminated from behind, lends distinction to this receiver not found in many of the higher priced sets.

Nothing has been spared in the walnut sloping panel cabinet which is fitted with a clover leaf panel overlay adding a finishing touch to the striking design of this marvelous receiver.

The Circuit Sensitive—Selective

Two tuned stages of high gain radio frequency followed by tuned detector—three carefully phased highest quality variable condensers operating in unison for single control tuning. Three stage high quality audio amplifier with power transformer in the last stage.

Quality Amplification Perfect Reproduction

Finest quality audio amplification. Three stages in all, with the third or final a power stage where a 171A or the new 112A tubes may be used. Equal, true amplification over the entire musical scale resulting in true to life reproduction with any good speaker. The high gain of the radio frequency circuit and true natural amplification of the audio circuit makes possible exceptionally efficient performance and stable operation. Full brass construction of chassis with space wound solenoid coils mounted at a scientifically correct angle minimizes losses, enabling highly efficient operation.

For Battery Operation

Designed for use with standard storage battery tubes of the 201A type and may be used with storage and dry "B" batteries or any good quality "A" and "B" eliminator. Regular retail price \$70.00—we offer in the Gothic Jr. 6, a substantially good receiver at a price to you far below the market. Shipping wt., 35 lbs.

19⁵⁰
No. 9830.....Your Price

Completely Equipped

Gothic Jr. 6 D. C. with complete battery equipment ready for installation and operation. Four 201A tubes, one 200A tube, one 112A power tube, three 45 volt "B" batteries, storage "A" battery and "C" battery. Aerial kit. Nothing but loudspeaker to buy. Shipping weight, 110 lbs.
No. 9831.....Specially Priced **39⁸⁵**

SPECIAL VALUES



DRY "A"
Electrify any Set
CAPACITY EIGHT TUBES—
 Will electrify any battery set using 20A, 112A or 171A tubes. No water—no acids—no moving parts—nothing to get out of order. No rewiring. Instantly installed and ready for operation. Dispenses with storage battery entirely. Requires no adapters, harnesses, etc. See Page 40 for details.

PLUG IN AND OPERATE—
 wires. No further attention required. Weight, 25 lbs.

No. 8074.
 List, \$39.50
YOUR PRICE

\$17⁸⁵

Cone Speaker Chassis

For Installation or Replacement
 Superior quality magnetic cone reproducer. Our special contract enables us to offer you this nationally known cone reproducer at half the usual wholesale price. See Page 137 for details.

VOLUME—PERFECT TONE—
 Large windings and heavy magnet scientifically designed responds to the full range of musical frequencies. True, life-like reproduction. Small in size. Fits any console.



Has filter; requires baffle. Chassis size 8 1/2 in. high by 5 1/2 in. deep by 8 in. wide. Wt., 8 lbs. No. 8449. List, \$20.00.

YOUR PRICE

\$6⁷⁵

Power Dynamic Chassis

The identical chassis used in the higher grade dynamic reproducers. Used as original equipment in hundreds of the highest grade radio receivers.

Priced at Half Its Real Value



A nationally known dynamic unit.

Astonishing Value

Its quality is unequalled. It is the greatest radio value of the year. Carries tremendous power of the largest 250 or 250 power amplifier. See Page 24 for details.

THE BUY OF THE YEAR
Requires Baffle with 8" Cut-Out

No. 8446. 6 volt D-C for all sets using 6 volt batteries. **YOUR PRICE** **\$19⁷⁰**

No. 8447. 110 volt D-C for sets or amplifiers designed to supply field winding with 110 volt D-C current. **YOUR PRICE** **\$17⁹⁵**

No. 8448. 110 volt A-C for all standard A-C D-C sets wherever 50-60 cycle house lighting current is available. **YOUR PRICE** **\$21⁷⁰**

Average shipping weight, 18 lbs.

A. C. Line Voltage Regulator

For use with any A-C electric set. With this instrument it is a simple matter to regulate the house lighting current to 110 volts A-C wherever the line voltage is excessive. Protects tubes from burn-out, lengthens their life and promotes efficient operation.



Meter Equipped
 Built-in A-C meter allows you to plainly read the line voltage as you adjust it. See Page 36.

No. 1998. Wt., 3 lbs. **YOUR PRICE** **\$3⁸⁰**

Quality Storage Batteries



Finest quality radio "A" batteries. Rubber case, rugged plates. Built for heavy duty service. Rated for radio service at one ampere discharge rate. See Page 46.

No.	6 Volt	Wt.	Net.
8601.	60 amp.	40 lbs.	\$5.⁸⁸
8602.	100 amp.	47 lbs.	7.¹¹
8603.	120 amp.	50 lbs.	8.⁸²
8604.	140 amp.	55 lbs.	10.³⁵
8605.	Special thinner plate, 100 amp.	11 pl. Wt., 45 lbs.	6.⁵⁵

Dynamic Power Speaker



The identical Dynamic Power Chassis described in the center panel above installed in a genuine walnut table cabinet.

Richly Finished
 Fine, smooth, hand rubbed satin finish. The cabinet is excellently matched. Gracefully and artistically designed. It will blend in with the furnishings of the finest appointed home. Beauty in every line. Attractive grill with heavy silk backing. See page 24.

Beautiful Tone

Astonishing, natural, true-to-life reproduction. Every instrument comes to life with this reproducer. The deep boom of the lower register as well as perfect reproduction of voice articulation prove this Dynamic Power Speaker unsurpassable.

A TYPE FOR EACH REQUIREMENT

6-VOLT MODEL—For all standard D-C sets using 6 volt storage battery. **YOUR PRICE** **\$30⁵⁰**

No. 8443. List, \$85.00. **YOUR PRICE** **\$28⁷⁵**

110-VOLT D-C MODEL—For sets or power amplifiers designed for use with dynamic speaker having provision for exciting field coil with 110 volt D-C current. **YOUR PRICE** **\$32⁵⁰**

No. 8444. List, \$60.00. **YOUR PRICE** **\$32⁵⁰**

110-VOLT A-C MODEL—For all standard A-C or D-C sets where 110 volt 50-60 cycle A-C current is available. **YOUR PRICE** **\$32⁵⁰**

No. 8445. List, \$70.00. **YOUR PRICE** **\$32⁵⁰**
 Average shipping weight, 25 lbs.

A. C. Electric Single Control

6-7

The finest electric set ever developed. A true single control receiver in the design of which every small detail has been attended to with scientific precision. In the construction of this receiver the highest quality apparatus and instruments obtainable are used.



Selective—Powerful—Superior Tone

Easily separates stations in the metropolitan areas. Extremely high gain, brings in distant stations with exceptional volume. The perfection of tone is astoundingly natural and true-to-life.

The Chinese design embossed bronze escutcheon plate is strikingly different. The illuminated drum is the perfect control. Smooth, simple, easy to tune. Richly finished metal cabinet is finished in bronze, green and Chinese red, illustrated on the back cover. Six radio tubes and one rectifier tube. Seven tubes in all.

No. 9801. A-C 6-7 set only. Wt. 60 lbs. **YOUR PRICE**, Brown Bronze Finish, **\$35⁴⁵**

No. 9802. A-C 6-7 set complete with all tubes and aerial equipment ready to plug in. Wt. 65 lbs. **YOUR PRICE** **\$47⁴⁵**

SEE BACK COVER AND PAGE 5.

Feature Values

Super "A" Eliminator Electrifies Any Set



A complete "A" eliminator supplying "A" current from the light socket. Delivers constant, unvarying, smooth, humless current at six volts for all sets up to eight and ten tubes. See Page 42.
Can be used with any good "B" eliminator for complete electrification. Operates from 105 to 120 volts 50-60 cycle A-C current. Wt. 25 lbs.
No. 8001.
List, \$32.50.
YOUR PRICE \$15⁷⁵

Special Leader "B" Eliminator



Highest quality "B" eliminator recommended for all receivers having from five to eight tubes including power tube. Has variable input controls for adjusting line and detector intermediate voltages.
See Page 39. Wt. 25 lbs.
No. 8062. For use with Raytheon BH Tube. List price, \$28.50.
tube without **\$19⁵⁰**
YOUR PRICE...
No. 206. Requires Raytheon BH Tube. List. \$4.50.
YOUR PRICE **\$2⁶⁵**

Heavy Duty Knight "B" Batteries



The most reliable batteries on the market. Built to the highest standards under the most rigid specifications. High quality. Long life. Quiet. Full tested voltage. Fresh stocks. See Page 47.

Large Upright, 45 Volt, 11 lbs. **\$13⁹**
Tapped at 22. Wt., 11 lbs. **UPRIGHT—**
No. 5725. YOUR PRICE... **HEAVY DUTY 45 VOLT multi-tube**
Designed and recommended for large cells. Extra long life. Extra sets. **\$19⁸**
Weight, 13 lbs. **22c**
No. 5727. YOUR PRICE...
4 1/2 VOLT "C"—Highest quality "C" battery. For use in all modern and multi-tube D-C sets. Large cells and long life. **22c**
Wt., 1 lb. **YOUR PRICE**

PANEL SPEAKER



A Jump on the Market
Far in advance of the conventional type speaker is this new reproducer is a year ahead in design. A combination burl walnut panel with mahogany underlay having a striking two-tone effect. On this panel with its easel support is mounted a magnetic speaker of finest quality. An exquisitely designed silk grill completes the effect of richness.

Marvelous Tone
Perfectly reproduces every instrument naturally without distortion or chattering. Will handle tremendous volume without overloading. See Page 31 for more details. Wt., 8 lbs.
No. 8460. List, \$35.00. **YOUR PRICE \$12⁹⁵**

QUALITY A. C. AND D. C. TUBES

Dependable tubes. The choice of the production of one of America's largest tube manufacturers. Rigidly held within closer limits than any other tubes on the market. Tubes on which you may rely for long, efficient, satisfactory service.
No. 7070. Special Nutone type X201A tube specially priced. **39^c**



Hylon Quality Tubes

No.	Type	Net	No.	Type	Net
200.	X201A	..49c	201.	X199	...68c
203.	X112A	..85c	189.	X226	...79c
191.	X171A	..85c	190.	Y227	...\$1.35
202.	X200A	..98c	192.	X280	...\$1.35

See Pages 48 to 54 for tube values.

WELLINGTON SIX



Battery Operated Set
Here is a new 1929 up to the minute D-C battery set for storage battery tubes.
Complete new design, newly engineered, modern scientific apparatus obtainable is incorporated in the construction of the Wellington six-tube receiver. The highest quality precision instruments are incorporated in the construction of the will bring in programs. Will separate stations easily, and true natural tone.
Will separate stations with exceptional volume and true natural tone.
The metal cabinet is richly finished Chinese design, bronze embossed escutcheon plate. Illuminated drum. Wt. 50 lbs.
Single control. Set only. **YOUR PRICE \$25⁸⁵**
No. 9887. SEE PAGE 88 FOR FULL DETAILS

GOTHIC DYNAMIC



Unbeatable Quality Speaker

The greatest acoustical development. The dynamic speaker is as far in advance of the old type loud speakers as was the first speaker a great step from headphone reception.

The dynamic moving coil principle permits a pumping action of the cone diaphragm allowing it to handle tremendous power without danger of chattering. Perfection of reproduction is astounding. Every musical note is clearly, cleanly and faithfully re-created.

No distortion—no slurring of the low notes—but faithful, natural reproduction of the full musical scale.
Cabinet is expertly made, richly finished in walnut with graceful grill and beautiful heavy silk backing.
No. 8480. 110 volt A-C type for all standard A-C or D-C sets wherever 110 volt 50-60 cycle A-C current is available. Weight, 22 lbs.
YOUR PRICE... **\$27⁵⁰**

No. 8481. Six volt type for all standard D-C sets using six volt battery. Weight, 20 lbs. **YOUR PRICE \$25⁵⁰**

\$27⁵⁰
See Page 25

Aristocrat 8/9 Knight ALL ELECTRIC

A SALES LEADER POWERFUL—SENSITIVE—SELECTIVE

HERE is one of the season's outstanding receiver values. Everything that you look for in highest priced receivers—tone quality—volume—sensitivity—selectivity—distance range—all of them in good measure are offered in this famous Aristocrat Model. The unusual efficiency of the Knight 8/9 Circuit, coupled with the rare beauty of its console, with its remarkable speaker equipment, offers you an unusual radio value.

TREMENDOUS VOLUME

Equipped with a genuine Farrand Magnetic Power Type Cone Speaker, you are assured of the utmost in tone quality. Its beautiful mellow modulation along with its tremendous volume carrying capacity, is more than ample to meet all normal requirements. Push-pull audio amplification, employing power tubes, produces unusual roundness and brilliance in reproduction, providing tremendous volume without distortion.

THE KNIGHT 8/9 A-C CIRCUIT

Here is real radio convenience. No batteries, no chargers, no bothersome eliminators; just plug it into the electric light socket and it is ready to operate. Circuit consists of three stages radio frequency amplification, one tuned radio frequency detector stage, two stages of bass reproducing audio frequency amplification, and one stage push-pull power amplification, employing two power tubes. A complete description of this remarkable chassis will be found on Page 12.

PUSH-PULL AMPLIFICATION

One of radio's greatest amplifying and reproducing systems is used in this famous chassis—push-pull amplification with power tubes. This provides a tone quality that is surprising in its fidelity—with a volume that meets all requirements—yet under instant control, from a whisper to the full round volume of a large orchestra. It is radio as you have always wanted it. Operates on 110 volt, 60 cycle current.

REAL TONE QUALITY

There is no compromise with tone quality in this famous Aristocrat 8/9 Receiver. It was designed to establish new radio standards—and to try one—to tune it, and hear it—will be convincing proof that we have accomplished our goal in producing a receiver beyond comparison with the present day standards.

A-C ALL ELECTRIC

The advent of the new A-C Tubes whose filaments are actuated by raw A-C Current, makes possible real A-C Operation in the Knight 8/9 Circuit. No batteries, no chargers, no eliminators; it draws its power direct from the electric light mains, assuring consistent performance. It is the utmost in radio convenience.

ILLUMINATED DRUM

The beautiful illuminated drum dial provides perfect control, and permits unusually fine tuning. It is mounted behind a soft velvety green metal panel, with unusually attractive Chinese design escutcheons. The illuminated drum acts as a pilot light, indicating when the set is on or off.



\$76.00

DE LUXE CONSOLE

The console is constructed of genuine walnut, beautifully finished in two-tone effect with light color scroll design overlays. Its attractively turned legs and ornamented stretcher imparts unusual rigidity. Console stands 41 1/2 in. high, top measures 22 1/2 in. wide, by 15 1/2 in. deep. Equipped with a genuine Farrand Magnetic Type Cone Speaker that has already earned an enviable reputation for its remarkable tonal range and volume carrying capacity. A complete description of this famous speaker will be found on Page 137. This remarkable console, with its genuine Farrand Speaker equipment and the famous Knight 8/9 A-C Circuit, produces a rare combination.

SET ONLY AS DESCRIBED

Here you are offered the popular Aristocrat 8/9 A-C Receiver, housed in its beautiful console with genuine Farrand Magnetic Cone Speaker Equipment. Tubes, aerial and ground equipment are not included. It offers you features found only in the highest priced sets, such as genuine Walnut console construction, shielded chassis, A-C Operation, push-pull audio, employing power tubes. Everything the finest. An unusual value at the low price quoted. Shipping weight, 133 lbs.

\$76.00

No. 9836. Retail, \$155.00.
YOUR PRICE

COMPLETE WITH ACCESSORIES

Complete with all accessories, ready to plug into the electric light socket and operate. Equipment includes 5 Type X-226 A-C Tubes, 1 Type Y-227 A-C Detector Tube, 2 Type X171A Power Tubes, and 1 Type X280 Rectifier Tube. Everything necessary for operation is included. The genuine Walnut Console with the Knight 8/9 A-C Chassis is equipped with a Farrand Magnetic Type Power Cone Speaker.

An unusual value at the low price quoted. Shipping wt., 140 lbs.
No. 9837. Retail, \$187.00.
YOUR PRICE

\$90.75

The PLYMOUTH HIGHBOY Knight Electric 6-7 A.C.

The Electric Radio As You Really Want It

AN EXCEEDINGLY high grade receiver that combines utmost efficiency in circuit design with an overall beauty that will win for it a place in the hearts of the most critical radio buyers. For sheer beauty—for sensitivity—for its marvelous tone quality and volume, it stands forth as a new achievement in radio. See page four for additional description of the Knight 6-7 sets.

Farrand Speaker Built-In

In tone quality—the final test of any receiver—the Plymouth Highboy stands supreme. Equipped with a genuine Farrand Magnetic Cone Speaker matched to the power output of the set—and coupled with the power amplification of the Knight circuit, results in a marvelous life-like tone quality with tremendous volume. The lover of real music will welcome the advent of Knight Receivers.

No Batteries—No Eliminators

Shielded construction—illuminated drum one dial control—non-critical, yet offering remarkable distance range. Rugged metal sub-chassis construction. Everything of the finest. A.C. circuit employing three stages R.F., detector and two stages of audio with power output. Complete power pack built-in, eliminating all hum from 105 to 120 volts A.C. line.

With Built-In Speaker

The wonderful Knight A.C. circuit housed in one of radio's finest consoles. Requires seven tubes:—four type 226; one type 171; one type 227 and one type 280. Equipped with genuine, nationally advertised Farrand Speaker.

No. 9807 **Net to**
List **You**
\$140.00 **Only**

A Beautiful Console—A Powerful Set

THE Plymouth Highboy Console reflects a beauty—a grace in proportion that will instantly win you. Only the finest, carefully selected woods—with beautiful overlays, impart to it an attractiveness that is further enhanced by its beautiful overall hand rubbed walnut finish, that retains the beautiful grain of the wood. The attractive matt olive green panel of the Knight Receiver with embossed and etched Chinese escutcheons blend harmoniously with the console. Console stands 48 inches high, 23½ inches wide and 15½ inches deep. Illuminated Drum—Sensitive—Selective—Single Control—Power Amplification.

Tone Quality—Volume

A new treat in tone quality awaits you in the Plymouth Highboy. Its naturalness—its reality—will carry you back to the broadcasting studio. From a whisper to the full blare of an orchestra, this same wonderful tone quality is yours. No howls or extraneous noises to mar reception. Tremendous Volume. Pure clean undistorted reception.

Knight Receivers

Throughout the pages of this catalog you will find Knight Receivers in all classes of consoles. On page 8 will be found a more complete description of the Plymouth Highboy. Also describing the 6-7 Set and what it will do in all detail.

Complete With Accessories

The Plymouth Highboy 6-7 A.C. All Electric complete with all necessary accessories for its operation, including four type 226 A.C. tubes, one type 227 detector, one 171 power tube and one 280 rectifier tube, along with all necessary aerial and ground equipment—all ready to set up and operate. A real value. Nothing else necessary. Just plug into electric light socket.

No. 9808 **\$72.50**
List \$106.00
Your Price



The Console Beautiful

The Plymouth Highboy Console reflects the genius of master cabinet craftsmen. Gracefully proportioned, beautifully finished. Well designed.

\$59.50

Genuine A.C. Operation

The Plymouth Highboy offers you radio as you have always wanted it. No messy batteries to care for. No charging—no costly replacements. Real A.C. Operation. Just plug it into the electric light socket. Its rugged, ample size power pack is an integral part of the chassis. Always ready at the turn of a switch. Operates on 105 to 120 volts A.C. current.

Knight Efficiency

Knight receivers incorporate features that you expect to find in only the highest priced receivers. Knight prices are no criterion of quality. The best for the least. Power—tone quality—volume—beautiful appearance—real selectivity.

For more detailed explanation of Knight 6-7 circuit, see Page 4 in this catalog.

A.C. Electric



1
32⁹⁵

Chassis Only—See Page 4

NEW KNIGHT SYMPHONIC

The Season's Outstanding Radio Value

THE new vogue in radio—the trend to brightening colors in the home in wrought iron and metal finds real expression in the Knight Symphonic 6-7 Receiver. It combines the utmost in radio efficiency—shielded construction—

A.C. operation—illuminated drum control—tone quality—distance range, plus perfect engineering and an overall attractiveness that makes it a fitting companion to the furnishings of the finest home. See page four for complete description.

Sensitivity

Perfect engineering results in a sensitivity that brings in the faintest signals—builds them up to tremendous volume and reproduces them with marvelous tone quality.

Power!

In the Symphonic you will find a reserve of power—ability to reach out—volume that is ample for all needs,—yet an ease in tuning that will astound you.

Selectivity

Shielded construction coupled with efficient circuit design insures razor like selectivity—eliminates overlapping and extraneous noises. It's radio as you have always wanted it.

Beautiful Colored Cabinets

THESE big beautiful metal cabinets present an imposing appearance in any setting. In colors they add a touch of cheeriness and brightness to any room. They measure 19½ inches long, 14½ inches deep and 9¾ inches high. The beautiful embossed and etched Chinese design escutcheons are in harmonious keeping with the cabinet. The illuminated drum—providing perfect control—permits operation in the dark.

New Low Prices!

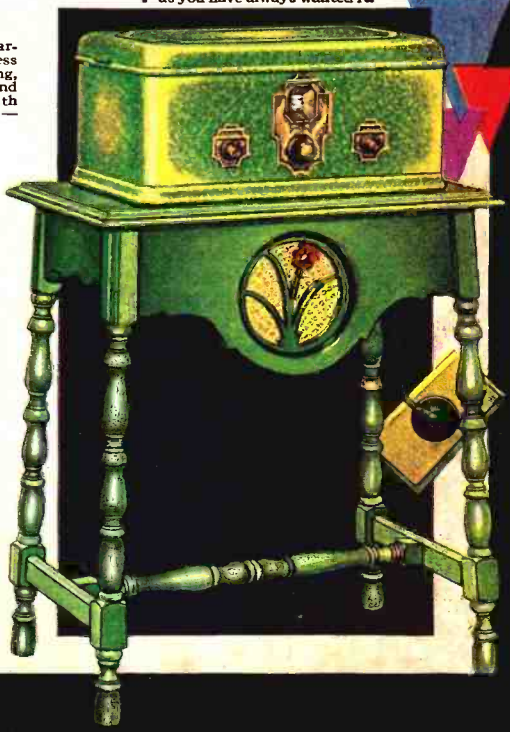
- The complete Symphonic Knight 6-7 A.C. Receivers without accessories, as illustrated above.
- No. 9801—Brown Bronze **\$35⁴⁵**
 - No. 9803—Chinese Red } **\$37⁹⁵**
 - No. 9805—Chinese Green }
 - List \$60.00 **Your Price**

Complete With Accessories

- Here the Symphonic is offered with accessories including four type 226 A.C. tubes; one type 171; one type 227 and one type 280 rectifier tube, along with all necessary aerial and ground equipment. Speaker not included.
- No. 9802—Brown Bronze **\$47⁴⁵**
 - No. 9804—Chinese Red } **\$49⁹⁵**
 - No. 9806—Chinese Green }
 - List \$105.00 **Your Price**

Speaker Tables to Match

- These speaker tables provide the ideal setting for Symphonic Receivers. Their beautiful design and attractive finish is in keeping with the famous Farrand Cone Speaker with which they are equipped. They combine beauty with utility—wonderful tone quality with remarkable appearance. Table stands 30 inches high requiring floor space of 26x17 inches. All in colors to match.
- No. 9201—Walnut Finish } **\$17⁵⁰**
 - No. 9202—Chinese Red }
 - No. 9203—Chinese Green }
 - List \$50.00 **Your Price**



The Sentinel A.C.



8-9 Knight
\$78⁷⁵

A New Receiver Powerful—Selective

THE famous Knight 8-9 Receiver is winning instant recognition as one of the season's outstanding radio values. Its eight tubes plus one rectifier tube operate at full efficiency, providing remarkable distance range. Push pull audio—the utmost in tone quality. Perfect engineering assures utmost efficiency in reception. The rare beauty of the console is in a strict keeping with Knight Quality.

Push-Pull Power Audio

Power amplification in the popular push pull arrangement results in a tone quality that will astound you. Ample volume is available—yet under instant control—from full volume to a whisper. The radio enthusiast will find a new delight in the tuning ease and extreme distance range of the Knight 8-9 Circuit. Illuminated Drum Control showing through the attractive Chinese design escutcheon plate, and beautiful panel.

Console of Rare Beauty

In the Sentinel Console you will find a masterpiece of the cabinet maker's art. Carefully selected, beautifully grained woods are used in its construction. Selected burl walnut makes up the front doors while attractive bird's-eye maple overlays add to its overall beauty. Measures 28½ inches long, 16½ inches wide and 46 inches high.

Knight Quality Throughout

The illustration cannot do justice to the wonderful appearance of the Sentinel Console. Words cannot adequately describe the efficiency and tone quality of the Knight 8-9 Receiver. Only by sitting down and tuning it—listening to it—will you get a real conception of its beauty and efficiency. Perfect balancing renders unusual efficiency.

Equipped With Farrand Magnetic or Dynamic Speaker

The Sentinel Console comes equipped with genuine Farrand speakers. Magnetic cone speakers are available as well as the new power Dynamic speakers. A full description of these wonderful power speakers will be found in the speaker pages of this catalog.

Set Only—With Farrand Speaker

For 105 to 120 volts, A.C.—Set and Console equipped with a Genuine Farrand Magnetic Cone Speaker—noted for its pure mellow tone and sensitiveness. Requires five type 226 tubes, two type 171, one type 227 and one type 280 rectifier tube.

No. 9809
 List \$185.00
Your Price \$78⁷⁵

With All Accessories—Ready to Operate

For 105 to 120 volts, A.C.—with all accessories—nothing else to buy—including Farrand Magnetic Cone Speaker and five type 226 tubes, two type 171, one type 227, one type 280 rectifier tube and all necessary aerial and ground equipment. A real value.

No. 9810
 List \$220.00
Your Price \$95⁴⁰

Set Only—With Farrand Dynamic

For 105 to 120 volts, A.C.—Set and beautiful Console, including Genuine Farrand Dynamic Power Cone Speaker. Requires five type 226 tubes, two type 171, one type 227 and one type 280 rectifier tube. Highest quality throughout. Highly recommended.

No. 9811
 List \$220.00
Your Price \$88⁷⁵

With All Accessories—Ready to Operate

For 105 to 120 volts, A.C.—equipped with all accessories—nothing else to buy—including Farrand Power Dynamic Speaker, five type 226 A.C. tubes, two type 171, one type 227, one type 280 rectifier tube and all necessary ground and aerial equipment.

No. 9812
 List \$240.00
Your Price \$105⁴⁰

See Page 12 for more detailed description of Knight 8-9 set.