RADIO
MODERN RADIO SETS
ACCESSORIES KITS AND PARTS
for 1929
CONFIDENTIAL WHOLESALE PRICES

ALLIED RADIO CORPORATION
711 W. LAKE ST. - CHICAGO ILL.
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.

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.

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.

AN ORGANIZATION

All items shown in this catalog with the exception of "A" and "B" batteries, cabinets, consoles or radio furniture, aerial wire and insulator, 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.
Big Profits...

The low prices quoted in this catalog are strictly wholesale prices. They enable you to realize 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.
The Knight A-C
The Peer of A C Electric Shielded Chassis

This beautiful richly embossed Chinese 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 frequency. 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 $75.00 Retail Value.

$32.95 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.

No. 9931. Retail, $95.00. YOUR PRICE....

ALL ELECTRIC
SYMPHONIC 6-7
The Knight AC

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 trade.

CIRCUIT EMPLOYS SEVEN TUBES

The Knight Circuit as listed on Page 4 employs a total of seven tubes as follows: 4 type X276, 1 type Y227, 1 engine X171 and 1 type X260 rectifier. Perfect circuit engineering assures maximum efficiency from each tube, imparting to the receiver unusual sensitiveness and power.

TONE QUALITY

Power tube equipment in Symphonic 6/7 results in a marvelous tone 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 X276 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.

Electrical Radio

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, 14⅝ in. deep, and 9¾ in. high. Their rugged construction and ample design makes them good for years of service.

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.

Chassis ONLY

$32.95
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 and 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. Operation is from 05 to 120-volt, 50-60 cycle A-C current.

TONE 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.

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 impart to it 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 with seeing it. Die formed in one piece of sixteen gauge cadmium plated material. Provides a shielding and housing for the wiring that assures foolproof 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.
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 36 1/2 in. high, measures 22 in wide by 15 3/4 in deep.

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.

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 base 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.
YOUR PRICE $52.50

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 X177/A detector tube, 1 type X280 rectifier tube, along with all necessary aerial and ground equipment. A real value. Shipping weight, 155 lbs.

No. 9820. List value, $140.00.
YOUR PRICE $64.50

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.
YOUR PRICE $66.50

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 X177/A power tube, 1 type X171 power tube, 1 type X280 rectifier tube, and complete aerial kit. Shipping weight, 165 lbs.

No. 9942. Retail list, $165.00.
YOUR PRICE $78.50

Up-to-the-Minute Design
HERE is a Receiver that will win the instant approval of your trade. It is truly a gem of the cabinet maker’s art. It is well worthy of housing the famous Knight 6/7 A-C All-Electric Circuit. Plymouth Highboy offers you a radio receiver that can be depended upon for many years of real radio pleasure. It is a fitting addition to the most finely appointed home.

**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 astonish you. Perfect engineering, perfect balancing and matching of all parts assure 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 type receivers. Knight 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.

**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.

**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.

**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 S-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

**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 15 1/2 in. deep.

Order a sample set today. Shipping weight, 10 lbs. No. 8907. List, $125.00.

YOUR PRICE

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Your Price

59.50

Your Price

72.50

Your Price

59.50

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 wonderul 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, imports to the Sovereign Console a richness in appearance that will make an instant appeal to your better trade. Stands 50 in. high, 27½ 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 X-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**

$94.95

**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. 9815. List price $200.00.

**YOUR PRICE**

$82.95

**MAKE THE SOVEREIGN YOUR FEATURE RECEIVER FOR 1929**
HERE we present a rare combination
of unusual features in a console re-
ceiver. The beautiful velvety green
panel embellished with antique bronz-
ed Chinese design escutcheon plates is in per-
fected balance with the beautiful silk-backed
grill, which accommodates a genuine Far-
rand Magnetic Cone Speaker. It features
real A-C current, 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 fin-
ish, 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. Un-
usual 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.

THE FAMOUS KNIGHT ELECTRIC CIRCUIT

In Knight 6/7 Receivers a total of seven tubes are employed. Three stages of radio frequency, de-
tector 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-frequency switch, adapting it to
flick-

uations 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.

COMPLETE WITH ACCESSORIES

Here you are offered the Montrose A-C Knight 6/7 Receiver, complete with all neces-
sary accessories. Equipment includes Farrand Magnetic Cone Speaker, 4 type X226 A-C
Tubes, one type Y217 Detector Tube, one type X1171 Power Tube, and one type X280 Rectifier Tube, along with all neces-
sary aerial and ground equipment. Shipping weight, 145 lbs.
No. 9818. List value, $00.00. YOUR PRICE...

$64.95

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. Compar-
ative 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 overlays 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 3-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. Sbpg. wt., 145 lbs. No. 9815. List price, $160. YOUR PRICE $74.45

No. 9816. List value, $190.00. YOUR PRICE $86.45

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. 9838. Same as above, except equipped with a genuine Farrand Dynamic Speaker. Shipping weight, 155 lbs. YOUR PRICE $88.45

No. 9939. With all accessories same as above, except equipped with a genuine Farrand Dynamic Cone Speaker. Sbpg. wt., 162 lbs. YOUR PRICE $99.50
PUSH-PULL AUDIO
Push-pull power amplification employing two power tubes assures tremendous volume, and true tonal reproduction in this famous chassis.

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.

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.

ARMORED BATTLESHIP

List $100
$45.00 NET
**1-DIAL SINGLE CONTROL – ILLUMINATED DRUM**

$49.50

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 19 1/2 in. long, 12 1/2 in. wide, and 8 3/8 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.

**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.

**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. 9847. Chinese Green.
No. 9843. Chinese Red. List, $140.00. YOUR PRICE.

$64.25

**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 Ferrand 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. 9844. Chinese Red.
No. 9848. Chinese Green.
List, $170.00. YOUR PRICE...

$81.75

**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.

**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.

**WITH DYNAMIC SPEAKER TABLE AND ALL ACCESSORIES**

Here the Senior A-C 8/9 is offered complete with speaker table and genuine Ferrand 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. 9845. Chinese Red.
No. 9849. Chinese Green.
List, $210.00. YOUR PRICE...

$95.75

**SHIELDED CONSTRUCTION**
AMBASSADOR

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

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 chargers, no 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.

List Price $250.00

YOUR PRICE

$107.50

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.

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.
**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 design 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. Octal 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 outline 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**

**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 selectivity, but remarkable selectivity as well. This, coupled with the soft mellow tone quality produced in the Ambassador Model provides a combination that your 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...

**COMPLETE WITH ACCESSORIES AND MAGNETIC CONE SPEAKER**

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

**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 of 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 137.

**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.

**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.

**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 3 Type X-226 A-C Tubes, 1 Type Y-227 A-C Driver Tube, 2 Type 171 Power Tubes, 1 Type X-280 and all aerial and ground equipment. Shpg. wt., 178 lbs. No. 9874. Retail, $300.00. YOUR PRICE...

**YOUR PRICE**
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, harmless 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 performance, 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 copper wire spaced wound on special Bakelite rings, giving a coil 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.

**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 30 inches high, measures 27½ inches wide, and 17 inches deep. A beautiful silk backed grill covers the speaker compartment, while an attractively designed wood panel sets off the chassis in unusual style.
ALL ELECTRIC

EMPOYING 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 selectivity 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, measured 27½ 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 Cone Speaker. Complete descriptions of speaker and chassis will be found on Pages 12 and 137. Shpg. wt., 153 lbs. $290.00. 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 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, 150 lbs. No. 9861. List price, $240.00. YOUR PRICE.

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. No. 9862. List price, $360.00. 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. 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 amplification offers you the utmost in tone quality, and provides a volume far in excess of normal home requirements. Equipped with genuine Farrand Rectifier Tubes, the Venetian offers you exceptional tone quality—soft, mellow—and with such realism that it will carry you back to the broadcast 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 AUDI

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 a d surprising ease. Its simplified tuning, coupled with its tremendous power, is establishing new standards for radio performance.

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 18½ in. deep. Its attractively turned legs and ornamented cross stretcher imparts unusual rigidity. Hand-rubbed lacquer finish brings out the beautiful walnut grain.

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 frequency amplification, 2 stages of tuned radio frequency amplification, 1 tuned radio frequency detector stage, 1 static 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.

Set Only With Farrand Cone Speaker
The beautiful Venetian Model, equipped with a genuine Farrand Cone, 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, 115 lbs.
No. 9864. List price, $200.00 YOUR PRICE...

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...

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...

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. Shipping wt., 180 lbs.
No. 9867. List value, $271.00. YOUR PRICE...

Beauty - Performance - Power
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.

TONED AND VOLUME

The lover of fine music will quickly appreciate the many superior features of the Huntington. Its soft velvet finish blends well with the Huntington Console, and is in exceptionally good taste.

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, and 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 velvet green panel of the Knight Receiver, lend a touch of harmonious color to any setting. Its finish blends well with the Huntington Console, and is in exceptionally good taste.

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 tuned 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 can be found on Page 137.

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.

THE UTMOST IN REAL WALNUT RADIO FURNITURE

The beautiful Huntington Console stands 41 in. high, measures 25 in. wide by 14 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 velvet 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.

SET COMPLETE WITH DYNAMIC CONE

Here the Huntington is offered 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...

SET COMPLETE WITH ACCESSORIES - DYNAMIC CONE

Here the Huntington Receiver is offered with a genuine Farrand 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. 9871. List price, $241.90 YOUR PRICE...

SET COMPLETE WITH ACCESSORIES - MAGNETIC CONE

Here the Huntington Model Knight 8/9 A-C Receiver is offered, equipped with a genuine Farrand 110-volt A-C type Magnetic Cone Type Speaker. A complete description of this remarkable speaker will be found on Page 137. Its unusual beauty, and remarkable performance, assures it unusual popularity. Shipping weight, 110 lbs. No. 9868. List price, $160. YOUR PRICE...

SET COMPLETE WITH ACCESSORIES - MAGNETIC CONE

Here the Huntington Model Knight 8/9 is offered in all accessories required for its operation, along with a genuine Farrand Magnetic Cone Type Speaker. A complete description of this magnetic cone 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...

$71.00  $85.75  $85.00  $99.75
EQUIPPED WITH DYNAMIC SPEAKERS

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 our 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 33 1/2 in. high, 23 3/4 in. wide, and 15 3/8 in. deep. The three types provide a reproducer for every need.

CONSOLES WITH DYNAMIC SPEAKER

BEAUTIFULLY designed walnut Console Receivers, equipped with genuine Newcombe-Hawley Dynamic Power Cone Speaker. The smaller size will accommodate such receivers as Atwater-Kent 37, Crosley Band Box, etc.; the largest size for RCA Models C17 or 16. Attractively designed and beautifully finished.

COMBINATION RADIO-PHONOGRAPH CONSOLE

THE Newcombe-Hawley Combination Radio-Phonograph Console enables the owner of any good A-C 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 3/4 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 Ibs.

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 63 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 14 in. wide, 24 1/4 in. in. high. The spacious drawer below, which houses the phonograph equipment measures 23 in. wide, 4 1/4 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 speakers, phonograph equipment or radio set included. Shop. wt., 100 lbs. ... $31.50

WITH PHONO EQUIPMENT

This beautiful walnut two-tone finish console with its complete phonograph equipment, as described above, is offered at a price far below its actual value. No radio set or speakers included. Shipping wt., 130 lbs. ... $74.75
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 23¼ in. by 11¼ 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. 9268. Retail list, $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 18¼ in. high, top measures 24¼ 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

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 24¼ in. by 14 in., and is 18¼ 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. 9260. 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 Airwave, Delco, 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.

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 22¼ in. by 12 in. The entire top is of metal in a beautiful scroll design. A bottom shelf provides space for speaker. Shipped in Black and Gold. No. 9266. Retail list, $12.75. YOUR PRICE $7.49

Genuine Walnut TABLES

SPEAKER TABLE DE LUXE

A high grade speaker table in genuine Walnut, of unusual design and finish. Table stands 29 in. high, 32¼ in. wide, and 14½ 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 stretcher provide unusual rigidity.

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

With Ferrand Speaker
Complete with Magnetic Cone Speaker. Wt., 45 lbs. No. 9282. Retail list, $47.50. NET $25.82

With Dynamic Ferrand 110-volt A.C. Type Speaker
Genuine Ferrand High Grade. Wt., 55 lbs. No. 9283. Retail list, $75.00. NET $39.82

21
BEAUTIFUL TABLES WITH AIR COLUMN HORNS

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 them unusual long life.

GENUINE PUROPPOWER 86 INCH EXPONENTIAL HORN

This beautifully finished and attractively designed speaker table is equipped with a Genuinen Po Ro Power Horn, bringing 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

This Speaker stands 33 in. high, measures 253/4 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. 9926. Retail list, $65.00. YOUR PRICE  $26.46

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. The attractive design of the tables with their 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 these 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.

AIRCROME 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 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 in. high, 24 in. wide, and 14 in. deep. Will accommodate such sets as Cresley, Atwater-Kent, Bosch, Steinmetz, Shamrock, A-C Dayton, Day Fan, Standard, etc. Shipping weight, 58 lbs.
No. 9286. Retail list, $42.50. YOUR PRICE $24.99

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 18 in. by 23 in. The table stands 30 in. high, 24 in. wide, and 15 in. deep. Its attractive finish and beautiful design assure it unusual popularity. Shipping weight, 65 lbs.
No. 9287. Retail list, $45.00. YOUR PRICE $26.46

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 93/4 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 in. in. high, 31 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 $34.00

9 FOOT AIR COLUMN TONE CHAMBER

Equipped with

$34.00

YOUR PRICE

$26.00

42.50

YOUR PRICE

$26.46

YOUR PRICE

$24.99

YOUR PRIC
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 ¼ in. by 17 inches.

$10.45

YOUR PRICE

**DYNAMIC MAGNETIC SPEAKER TABLES FOR ALL SETS 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. With not chatter or hiss, regardless of volume. A complete description of these famous Dynamic Power Speakers will be found on Page 137.

**KNIGHT, ATWATER-KENT, CROSLEY MAGNIFICENTLY 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 speakers, 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.

<table>
<thead>
<tr>
<th>No. 9200. Walnut.</th>
<th>No. 9247. Ivory.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retail list, $50.00.</td>
<td>YOUR PRICE $10.45.</td>
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</table>

**TABLE WITH FARRAND SPEAKER**

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

<table>
<thead>
<tr>
<th>No. 9201. Walnut.</th>
<th>No. 9248. Ivory.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 9202. Chinese Red.</td>
<td>Retail list, $50.00.</td>
</tr>
<tr>
<td>No. 9203. Chinese Green.</td>
<td>YOUR PRICE $17.50.</td>
</tr>
</tbody>
</table>

**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, 60 lbs.

<table>
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<tbody>
<tr>
<td>No. 9246. Ivory.</td>
<td>Retail list, $75.00.</td>
</tr>
<tr>
<td>No. 9272. Chinese Red.</td>
<td>YOUR PRICE $29.75.</td>
</tr>
</tbody>
</table>

**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, 70 lbs.

<table>
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<tbody>
<tr>
<td>No. 9273. Chinese Red.</td>
<td>YOUR PRICE $32.15.</td>
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</tbody>
</table>

**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.
The SUPER DYNAMIC POWER CONE SPEAKER
with Tarrand 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 adds purity of tone with ample volume for all normal requirements.

DYNAMIC CHASSIS FOR CONSOLE
Here these Famous Farrand Dynamic Speaker's 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 $19.70

110 Volt A-C Type
No. 8447. Complete chassis for operation on 110-volt A-C Current. Plugs into the electric light socket. Shipping weight, 18 lbs. YOUR PRICE $21.70

110 Volts D-C Type
No. 8448. Complete chassis for operation on 110-volt D-C Current. Shipping weight, 18 lbs. YOUR PRICE $17.95

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 1/4 in. wide, by 9 3/4 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 $30.50

110 Volt A-C Type
No. 8444. 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 $32.50

110 Volt DC Type
No. 8445. 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 $28.75
GOTHIC DYNAMIC SPEAKER

A Marvelous New Speaker

THE outstanding value in dynamic reproducers. Combines the utmost in out-ward beauty with marvelous performance—an entirely new degree of tone reproduction and quality 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 loud-speakers. Basically, the dynamic speaker consists of a cone shaped diaphragm having the coil winding mounted directly on 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 electromagnet which is excited from a storage battery or by rectified A.C. current.

GENUINE CABINET

Beautifully designed table cabinet. Highly finished in walnut. The cabinet itself is a fine piece of furniture, carefully designed and perfectly constructed. The grill is careful 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. The 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. Block this pair of dynamic speakers and resell below the market at a greater margin of profit.

Accoucticone 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 coil, etc. A.C. or D.C. Classic size $4.00 each. Ready made. Unfinished. Complete set $36.00. No. 6479, List Price $25.00.

Airplane Cloth Dope

High grade dope for improving your air cone. Possibly the most troubleless means of improving your dynamic tone. This dope is not available in any color. No. 6557, List Price $29.50.

Airplane Cloth

Genuine airplane cloth for making air cone kits. High quality. 100 yard roll. $0.75 per yard. No. 6558,

Balsa Wood Reproducer

Make It Yourself

Nature's Soundboard. The most radical development since the birth of radio. Soundboard medium is made of a thin board of light Balsa Wood. It reproduces frequencies lower and higher than are audible to the human ear. All parts except unit are included. Easy to put together. Shipping weight, 5 lbs. No. 1482-2, 13 x 24 inches. List Price $5.10.

Sounding Board.

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.

FOR 110 VOLT A.C. CURRENT

For operation with your standard A.C. or D.C. radio receiver wherever 110 volt 50-60 cycle house lighting current is available. Size 15 in. high x 14 in. wide x 10 in. deep. Shipping weight, 25 lbs. No. 8580. List Price $27.50. YOUR PRICE $22.50.

FOR 6 VOLT BATTERY

For use with any standard radio receiver where a 6-volt storage battery is used. Do not attach lead for attaching to the battery as well as speaker cord to the radio set. Size 10 in. high x 14 in. wide x 8 x 1/2 in. deep. Shipping weight, 26 lbs. No. 8537. List Price $25.00. YOUR PRICE $20.00.

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. Highly finished in walnut or standard, provided, color to your taste. Known the world over for its remarkable performance. Full flare. Heavy metal unit at half the price of a smaller unit.

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. No. 8537. List Price $5.88. YOUR PRICE $5.00.

Operetta Drum Cone $5.25

Full Floating Free Edge Cone

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.

$20.00 Retail Value Now

Prior to 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 solid crackle crystalline. Highly finished reproducer designed and built with attractive silk backing. No. 8656. List Price $6.75. YOUR PRICE $5.25.

The Operetta drum regularly retails at $5.00. A real opportunity for list dealers. This speaker in popular demand. Not an obsolete speaker. This is the maker of establishing profitable merchandising for our dealers. Wt. 8 lbs.
**Temple Air-Chrome Speakers**

**TONE!**

The Temple Air-Chrome speaker heralds a new advance in speaker design, tone quality and volume carrying capacitity. The man-made 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. Each corner is so designed as to lend 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 the thin diaphragm is replaced by a tightly strung, extremely rigid, free from internal vibration and of correct exponential design.

**FOR ANY CONSOLE CABINET**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MODEL A</strong></td>
<td>No. 2575. Size 9% x 15% in. Wt.: 8 lb.</td>
<td>$11.76</td>
</tr>
<tr>
<td><strong>MODEL B</strong></td>
<td>No. 2576. Size 9% x 15% in. Wt.: 8 lb.</td>
<td>$11.76</td>
</tr>
<tr>
<td><strong>MODEL C</strong></td>
<td>No. 2578. Size 10% x 15% in. Wt.: 8 lb.</td>
<td>$11.76</td>
</tr>
<tr>
<td><strong>MODEL D</strong></td>
<td>GIANT SIZE</td>
<td>$44.10</td>
</tr>
</tbody>
</table>

**TEMPLE'S NEW AIR COLUMN EXPO-HORNS**

The famous Temple Air Columns for use in consoles and small cabinets are now available in the new light weight construction. They offer all the advantages of the previous models with the name Temple a byword in quality reproduction—plus the advantage of being very light without loss of volume, sensitivity, practically any type of speaker, 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model 10</strong></td>
<td>No. 180-80 In. Air Column Provides center line or column length of 80 in. Wt.: 8 lb.</td>
<td>$14.11</td>
</tr>
<tr>
<td><strong>Model 20</strong></td>
<td>No. 150-60 In. Air Column Provides center line or column length of 60 in. Measures 3% x 3% x 6 inches.</td>
<td>$8.23</td>
</tr>
</tbody>
</table>

**TEMPLE SPEAKER COMPARATORS**

Designed for the use of the dealer who wants to compare speakers, each comparator is so constructed that it permits the quick switching from one speaker to another without any loss of quality. Seven speakers may be attached and compared as desired. A wonderful seller. Wt.: 5 oz. No. 1178. Retail, $3.50. Your price $2.06

**Temple Air Chrome Model 20**

- **Revolutionary Principle**: Because of its new realistic reproduction to all of the notes of the audible range—from the lowest bass to the highest treble.Nature that leaves nothing to be desired.
- **Beautiful Design**: Exquisite without frame. Together with the other effect of its sides. Give it an air appeal that is most pleasing—refined beauty in every line. The artist still work is strikingly attractive.
- **New Revolutionary Principle**: An entirely new principle of speaker construction. Diameters as small as 2% x 2% inches. Driven by the powerful Temple double action unit.
- **Volume Without Distortion**: Due to the new triangle of balanced tension construction the strongest impulsive from the driving unit is carried to the diaphragm without any loss. Rugged mechanical construction. Stands approximately 15 in. on the floor. Weight, 9% lbs. No. 8588. List $29.00. Your price $17.05

**New Temple Dynamic**

- **Model 3430**: For 110 volt A.C. No. 8446. 6 volt for battery sets. List $49.00. Your price $28.80
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 range. It creates every tone from a whisper to a full symphony orchestra without blast or chatter.

[Image of a drum speaker]

A $22.50 Value
Temple's tremendous popularity has effected manufacturing economies and improvements. It offers the same realistic tone and the same tremendous volume.

No. 8582. YOUR PRICE ONLY 12.78

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 has 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


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 $22.30. YOUR PRICE

OPERADIO AIR COLUMN SPEAKERS

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.

Full 54 inches air column. Speakers 12 inches high. WL, 10 lbs.

No. 8584. List $26.95. YOUR PRICE

Operadio Westminster Speakers

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


No. 8585. Retail $35.00. OUR PRICE

Temple Air Column
NEW IN PERFORMANCE

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 higher-treble register 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 shatter under the heaviest of signals. It amplifies all of the notes equally and naturally with a degree of tone 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 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 all air column speakers, yet it actually has a larger 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
RACON LONG AIR COLUMN DRUM

Full 66 Inch Air Column

Your Price

Markable speaker. Equipped with the genuine exponential air column drum will give. These speakers with an actual air column length of 66 inches, bring out the low notes with a marvelous 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 brilliance 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

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 1/2 in. in diameter and 7 1/2 in. deep. Highly recommended to all who desire a high grade speaker of the drum type. WL, 7 lbs.

$11.25

RADIO’S FINEST SPEAKERS

RADIO’S FINEST SPEAKERS

UTAH

A SPEAKER FOR EVERY NEED

Utah Drum Speaker, X-18

A leader in the famous line of Utah speakers. 145 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. WL, 10 lbs.

Retail $18.00

Your Price

No. 8490 $10.58

A New Utah Speaker X-26

One of Utah’s famous featured speakers for the past 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 1/2 in. high and measures 10 1/2 in. in width, 5 1/2 in. deep.

Highly Recommended No. 8491 Retail $22.00

$15.29

UTAH "DYNOLA" Dynamic Speakers

Tremendous Volume Without Distortion

A genuine dynamic type speaker housed in a beautiful cabinet of fine walnut with a genuine burl walnut front finished in antique brown. Having the same grill and appearance both the front and back. Stands 11 1/2 in. high, 13 1/4 in. wide and 11 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. WL, 25 lbs.

Model A-100 110 v. A.C. 8 to 12 volts D.C. type. Operates from storage battery.

Model R-300 110 v. A.C. value.

Model D-200 110 v. A.C. 120 volt D.C. type.

No. 8492 Retail $75.00 NET $65.00 NET

$44.10 $35.28

Utah Dynamic Chassis

The wonderful reproduction of music by the Dynamic speaker was made possible through the demand for a Dynamic Chassis for console installation. This is the Standard Utah chassis as listed in the dynamic speakers above. WL, A-100, 20 lbs.; B-200, 200, 35 lbs.

Model A-100 110 v. A.C. 8 to 12 volts D.C. type. Operates from storage battery.

Model R-300 110 v. A.C. 120 volt D.C. type.

Model D-200 110 v. A.C. 120 volt D.C. type.

No. 8495 Retail $50.00 NET $40.00 NET

$29.40 $20.58

Your Price

$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 new 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.

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 paste, 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 leaving a large magnet and broad surface attachment. Covers the full musical scale with wonderful tone quality. A real value. Wt., 8 lbs.

No. 8525. Retail $12.50. 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 wt., 19 lbs.

No. 8498. Retail $30.00. 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, Retail $52.00, NOW $35.00. Standard. 18 in. high. Shipping weight, 11 lbs.

Retail $20.50. YOUR PRICE

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 this factory built speaker have been offered you in this special three foot kit and in addition an attractiveness that imparts to it a factory build appearance.

Each kit contains one fine speaker unit, one sheet heavy cone paper cut to proper shape with centering board, one cone 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. 8956. Retail Price, $9.00. OUR PRICE TO YOU ONLY

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

No. 8556. Retail Price, $12.00.

Utah XB Speaker FOR CONSOLES
No. 8499. For console installation these famous Utah power motors will impart wonderful tone quality, tremendous 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 1/2 x 5 in. Wt., 8 lbs.

Retail YOUR

$16.00 PRICE
Accousticone!

Air Cone Speakers

The Year's Outstanding Speaker Sensation

The Air Cone Principle

Unusual Tone Quality

The most startling speaker development. The balanced tension principle whereby the airplane 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. A 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 the body of no natural vibratory period in the audible scale of frequencies.

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 $22.00. YOUR PRICE $12.85

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 $12.85

Silver Screen Model

Attractively finished in neutral color. Dis- persion frame and frame are finished in silver. The effect is beautiful and highly desirable wherever neutral color is desired. Wt. 8 lbs. $7.85

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 Peerless Magnetic reproducer.

Baldwin 99 DRUM

The Peer of Baldwin Reproducers

A superfine musical reproducer. The Baldwin 99 is equipped with genuine Nathanial Baldwin 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 finest tones and delicate shadings without introduction of false notes, noises or rattles.

Powerful

Super-sensitive and powerful. The new Baldwin 99 reproduces 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 watts 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 $16.75

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. 25 lbs. No. 8464. A.C. model. List Price $75.00. YOUR PRICE $44.10

Peerless Dynamic Chassis

Embodying 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, 6½ in.; width, 5¼ in. Diameter of cone, 7 in. 110 volt A.C. model. Wt., 18 lbs. No. 8472. List Price $60.00. YOUR PRICE $35.28

Peerless Magnetic Speaker


Peerless Cone Chassis


No. 8470. List $18.00. YOUR PRICE $16.75
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 beauty of quality tone speaker, more beautiful than ever. The speaker cone is of the new balanced type cone manufactured by a nationally known manufacturer.

3 REASONS WHY

1 Beautiful tone quality—tremendous volume—almost 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 $35.00 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

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 15 1/2 in. high, 10 in. wide and 9 in. deep. Furnished complete with cords and plug.

No. 8461, Model 61. For six volt operation from storage battery. Wt. 22 lbs. Retail, $55.00. YOUR PRICE $32-34

No. 8462, Model 71. For 110 volt D.C. operation. Wt. 20 lbs. Retail, $60.00. YOUR PRICE $35-28

No. 8463, Model 801. For 110 volt A.C. operation. Wt. 22 lbs. Retail, $70.00. YOUR PRICE $41-16

MAGNAVOX Dynamic Chassis

For six volt storage battery operation. Wt. 16 lbs. Retail, $35.00. YOUR PRICE $20-58

No. 8464, Model 6. For six volt storage battery operation. Wt. 16 lbs. Retail, $35.00. YOUR PRICE $20-58

No. 8465, Model 7. For 110 volt D.C. operation. Wt. 15 lbs. Retail, $40.00. YOUR PRICE $23-52

No. 8466, Model 802. For 110 volt A.C. operation. Wt. 18 lbs. Retail, $50.00. YOUR PRICE $29-40

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 distortion. Impedance is constant over entire range.

A Perfect Power Reproducer


No. 8441. 110 volt A.C. $44-10

No. 8442. 110 volt D.C. $38-22

Your Price $9.95

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.
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 and finished units. 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. 8488. The type 200 pictured on the right has a 92 in. air column, 18 in. bell, depth 12 ¼ in., wt. 6 lbs.

List Price $7.80
YOUR PRICE $7.42

Type 200

Console Model

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

No. 8599. Air column 69 in., bell 6x15 in., depth 10 ½ in. Wt. 3 lbs.
List Price $7.00.
YOUR PRICE $4.12

No. 8600. Air column 88 in., bell 14x12 ¼ in., depth 13 ¼ in. Wt. 4 lbs.
List Price $10.00.
YOUR PRICE $5.88

Orthophonic Horns

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

No. 8483. Special 66 in. air column type No. 395. Small space and the size of ordinary drum speaker. 11 in. round. Weight 3 ½ lbs.
List Price $8.00.
YOUR PRICE...

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...

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...

No. 8484. The type 200 pictured on the right has a 92 in. air column, 18 in. bell, depth 12 ¼ in., wt. 6 lbs.
List Price $13.00.
YOUR PRICE...

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 $15.00.
YOUR PRICE...

No. 8548. 96 in. air column. Wt. 8 lbs.
List Price $20.00.
YOUR PRICE...

120-Inch Column

This is the type 200 with a 120 in. air column. 18 in. bell, depth 12 in. Wonderful reproducer. Tremendous volume. Wt. 8 lbs.

No. 8564. List Price $13.00.
YOUR PRICE...

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. 88 in. air column. Can be installed in most any cabinet. Ht. 24 in.; width, 19 in.; depth, 14 in. Shipping weight, 20 lbs.

No. 8598 List Price $25.00.
YOUR PRICE...

No. 8565. List Price $18.00.
YOUR PRICE...

$10.60

Highboy Speaker

With a good unit, this 45 in. air column is wonderful. Bell 6x12 ½ in. depth 12 ¼ in. Wt. 3 lbs.

No. 8559. List Price $5.00.
YOUR PRICE...

Balanced Armature Unit

This is the feature of our special unit page. The Wood Cabinet and Air Column Speaker. With a good unit, this 45 in. air column is wonderful. Bell 6x12 ½ in. depth 12 ¼ in. Wt. 3 lbs.

No. 8598 List Price $25.00.
YOUR PRICE...

$2.94
**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 with Gothic decoration. Height, 11 in.; width, 11 in.; depth, 2 1/2 in. Ship wt., 20 lbs.

No. 85666. 6 volt battery model. List Each, $30.00. [Discounts Listed].

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<th>Model</th>
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<td>85666</td>
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**Cone Chassis**

No. 8569. An unusual small size cone reproducer of unlimited tone capacity and volume. Mounted and housed in a wood sound-enclosing cabinet. Sells, $30.00. Shipping weight, 8 lbs.

List, $27.50. [Discounts Listed].

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**Newcombe-Hawley Reproducers**

**THE SEASON’S FEATURE LINE OF SPEAKERS**

**Dynamic Cone Speaker**

Newcombe-Hawley's famous dynamic power reproducer. Reproduces with exceptional tone quality and faithful recreation of tone shading which distinguishes good music and high quality reproduction. Reproduces with such fidelity that each orchestral instrument can be instantly recognized.

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**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 without an Eliminator.


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<th>Model</th>
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<td>8599</td>
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**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 and fidelity. Fitted in a beautiful walnut cabinet with cloth covered grille. Can be used with any radio set and requires no special amplifier for its operation. Height, 9 in.; width, 9 in.; depth, 6 1/2 in. Ship wt., 15 lbs.

List Price, $28.00. Less 40%, $17.60. Less 25%, $12.50.

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**DYNAMIC CONE CHASSIS**

**FOR CONSOLE INSTALLATION**

The same dynamic power reproducer built into Newcombe-Hawley reproducer. Designed especially for your console.

Specifications. Baffle rings 5 1/2 in. DC model 6 1/2 in. deep by 5 1/2 in. wide. AC model 5 1/2 in. deep by 11 1/2 in. wide.


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<td>8591</td>
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**No. 8592. Type NH 7. For 60 volt DC model.**

Field magnet supply—two to 200 volts. 50 to 60 mids. Can be used with 60 volt sets or with AC sets. Amodates dynamic speaker. List Price, $40.00. Less 40%, $24.00. Less 25%, $18.00.

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**No. 8594. Type NH 8. For 110 volt AC model.**

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

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<td>8597</td>
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**Newcombe-Hawley AIR COLUMN DRUM**

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

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<th>Model</th>
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NOw! A SUPER SPEAKER
ASTOUNDING-NEW SPEAKER DEVELOPMENT

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 fine tone quality, nor do they produce the low notes this super magnetic speaker will do.

Perfected Driving Unit
Fully enclosed and enclosed 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 nationally
known manufacturer producing speakers at $35.00 and $30.00 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.

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 71/2x11x4 in. The fine Gothic model massed over, one speaker, the almost "vibrationless" speaker with the volume, the "hint of beauty." WL: 30 lbs.
No. 8451 List Price: $35.00.
YOUR PRICE: $10.95

REGULAR $35.00 VALUE MARVELOUS TONE-BEAUTIFUL ATTRACTIVE HIGHLY RECOMMENDED

O'Neil Ship Speakers
Illuminated Ship
Equipped with a new O'Neil ship unit incorporating new remarkable features. Extremely heavy magnet encased in a cast non-magnetic housing. Has transparent enclosure protecting the unit and all of the overtones, ensuring its long life under practically all conditions. Perfect reproduction, full volume. Base trebles and overtones are brought forth with remarkable fidelity.

Sunset Effect
A beautiful ornamental effect, the ship is finished in antique bronze and illuminated with two concealed lamps in a beautiful design. A perfect effect at any time, perfect beauty at any time. Equipped with lamps and phone cords. Shipping weight, 12 lbs.
No. 8454. List Price: $20.00. YOUR PRICE: $14.70

Western Electric Cone
New Western Electric 500-AW loud speaker. Latest Western Electric 5 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 range. 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 Price: $35.00.
YOUR NET PRICE $23.22

JENSON DYNAMIC REPRODUCERS
Superior Reproduction
True fidelity of reproduction—reproduction true to the original and with the ability to create tremendous undistorted volume.

Full range reproduction from the deep throaty moaning bass of a kettledrum to the highest treble note of a piccolo. Any radio receiver will sound better with a Jensen reproducer.

6 Volt Model
For use with standard 6 volt sets. Shipment weight 20 lbs.
No. 8455. List Price: $32.34
YOUR NET PRICE: $32.14

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. Shipment weight 30 lbs.
No. 8456. List Price: $70.00.
YOUR NET PRICE: $41.16

Jensen Dynamic Chassis
Jensen dynamic speakers are available in three types for console installation. In each the reproducing magnet is identical. Dimensions 8 in. deep over all, 10/16 in. height over all. Shipping weight, 22 lbs.

6 Volt Model
No. 8457. List Price: $48.00.
YOUR NET PRICE: $32.14

110 Volt DC Model
No. 8450. List Price: $43.00.
YOUR NET PRICE: $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 19-90 offered to our dealers at the unusually low price quoted below. This remarkable new speaker is one 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 blare 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.

**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 offering 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.

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**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 indispensible. 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., 3 lbs.

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**Ekko Adapters**

Adapt loud speaker units to any type of phonograph. Wt., 6 oz.

**Ekko Phone Adapters**

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

---

**Baldwin Phones**

Backed by the wonderful reputation of Baldwin as a fine quality product. Their super-sensitive fidelity will enable you to hear your caller, if you hear him at all. The diaphragm of genuine quality makes a ready market among your customers. Wt., 7 lbs.

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**Frost Phones**

These phones incorporate several superior features which add greatly to their efficiency of reproduction, namely increased width of the diaphragm shaft for better reproduction, an aluminum cone plate under the diaphragm which acts like a sound board and the new permanent magnet capable of better retention.
Tone Filters—Voltage Regulators

**Knight Tone Filter**
Used between last power tube and speaker of set. Eliminates chattering. Designed to match the output impedance of power tubes.

For All Sets Using Power Tubes

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

**MUTER Clarifier**
The high grade tone filter that improves tone quality and volume. Protects loud speaker windings from high voltages. Equipped with binding posts, and phone cord. Easily attached without changing wiring. Highly enameled metal container, measuring 4x3/4x2 3/4 in. Wt., each, $2.75 lbs.

**JEFFERSON Output Transformer**

**Automatic Line Voltage Regulator**
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.

**Beede A.C. 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.

**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, preventing demagnetization. Prevents rattling, chattering and distortion. Connects with only changing wiring. A necessity on all sets using power tubes. Wt., each, $3.50 lbs.

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

**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.

**List Price**

**YOUR PRICE**

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

**No. 2000**
List Price, $1.50
YOUR PRICE

**Beede AC Line Tester**
A compact, specially designed for checking the line voltage on A.C. sets when plugged into any electric socket or receptacle. Scale reads 0-150 volts. Tells if line voltage is constant. A real value. Wt., 1 1/4 lbs.

**List Price**

**YOUR PRICE**

**No. 1998**
List Price, $3.82
YOUR PRICE

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**List Price**

**YOUR PRICE**

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**List Price**

**YOUR PRICE**

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**List Price**

**YOUR PRICE**
**QUALITY SPEAKER UNITS!**

**BALANCED ARMATURE SPECIAL UNIT**

The balanced armature type unit is known as the one capable of the most volume without shattering. The unit we offer here is one of the balanced armature type, well constructed, completely shielded. Completely enclosed 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 "buy" that we are in position to offer it.

**Priced Below Value**

![Image of speaker unit]

Temple Double Action Special Units

Each and every part has been designed and matched to every other part, resulting in a unit of perfect balance. Rigid tests and supervision plus the air pressure type construction, gives a total freedom from shattering under enormous volume. One of the most dependable powerful quality speaker units available. Wt. 2 lbs. List $8.00 Your Price . . . .

Brielle BA Motor

This famous motor is especially for cone speakers. Large size permanent magnet and broad pole face and armature provides maximum output and sensitivity. Laminated pole pieces. Wt. 1 lbs.

Best Cone Unit

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

BBB 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.

![Image of piano unit]

**Utah Piano Units**

Converts your Piano into a 14 watt grade radio reproducer. Easily attached to the sound board. Produces natural mellon 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 diagram and design and tripled arrangement, faultlessness in reproduction is obtained. Lightly nickel plated cone. Wt. 3 lbs.

No. 6543. Retail $5.00. YOUR PRICE...

$2.94

**Utah DeLuxe**


No. 6544. Retail $7.50. YOUR PRICE . . .

$4.41

**Utah Phono-Units**

Standard unit arranged for phonograph. Will give satisfaction service with any phonograph. Wt. 2 lbs.

No. 6545. With Stand. Retail $6.00. 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 Console, 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

**Baldwin Units**

Baldwin units are carefully made, assembled and tested, widely imitated but not excelled for its faithful reproduction. Some of them may be better in price but none is superior in quality to most units. Planeter, 13 threads per inch. Their impedance range from twelve to Nipplys are in long, % in. di-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 $6.00. YOUR PRICE . . . . . $3.53

No. 6519. Rival Unit, Unshielded. Wt. 2 lbs. List Price $5.00. YOUR PRICE . . . . . $2.94

No. 6548. Standard Unshielded. Wt. 2 lbs. List Price $7.50. YOUR PRICE . . . . . $4.12

**Baldwin Concert Units**

These are the finest units Baldwin makes. No. 6549. Baldwin Concert, Wt. 3 lbs. List Price $10.00. YOUR PRICE . . . . . $5.88

No. 6550. Baldwin Concert Grand, Wt. 2 lbs. List Price $12.00. YOUR PRICE . . . . . $7.06

**Amplion Units**

Amplion Cone Unit represents the ideal combination of improvements offering an intense magnetic field, laminated pole pieces, light moving parts, accurately balanced restoring spring, and scientific step-up ratio. Extensively patented, yet rusted in construction. Noted for its remarkable tone quality and ability to carry tremendous volume without distortion. Highly recommended. Wt. 3 lbs.

No. 6541. Retail $10.00. YOUR PRICE . . . . . $5.88

**Fidelity Units**

A carefully and sturdy constructed loud speaker unit. Diaphragm of special alloy, light and strong 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

37
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 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 2A3, 514, UX 107, etc. The B end of these units is 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 291A type tubes. The Kuprox dryline rectifiers are noted for their long life and fool-proof construction.

**Model 306 A B C**

Contains standard Model 802A and 110 B.C. Power Packs. Capacity 8 tubes at "A" 6 volts. "B" voltages are 45, 975, 90 and 125 volts and "C" voltages of 4 and 10 volts are provided. Size 101/2 x 71/4 x 11/4 in.

No. 8081. Retail $60.00. YOUR PRICE $38.22

**Model 307 A B C**

Contains standard Model 802A and 315 B.C. Power Packs. Capacity 8 tubes at "A" 6 volts. "B" voltages are 45, 90, 125, 180 volts. "C" voltages of 4 and 45 volts are provided for use of type 117 power tube. Size 101/2 x 71/4 x 11/4 in.

No. 8082. Retail $57.50. YOUR PRICE $39.69

**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. Has automatic control switch for B eliminator.

**Model 302 A**

Capacity 8 UX 291A or other similar tubes. Connects to set same as a battery. No rectifier necessary. Capacity 5/4 ampere Measuring 5 x 1 1/2 x 11/4 in. Complete. No. 8084. Retail $13.65. YOUR PRICE $20.58

**Model 301 A**

Use with sets employing UX 199 or other 50 amp. 34 volt tubes. Capacity 10 tubes or one ampere. Size 5 1/4 x 1 1/4 x 11/4 in. Long Price complete. No. 8085. Retail $32.70. YOUR PRICE $19.11

**Model 310 B C**

Supplies 24, 45, 971/2, 90 and 125 volts B together with 4 and 16 volts C current. Uses 250 type full wave rectifying tube. No tube included. Measures 5 x 1 7/4 x 11/4 in. Long. Size complete. No. 8086. Retail $35.00. YOUR PRICE $20.58

**Kupprox 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 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. Controls no bulbs, vibrators 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 Kupprox Multi-Rate Trickle Charger. Size 5 x 1 7/4 x 11/4 in. No. 8087. Retail $11.50. YOUR PRICE $6.76

**Kupprox Replacement Units**

Kupprox dryline rectifiers made up in standard units for replacing electrolytic, 117 volt rectifying bulbs etc. are now available. They provide perfect, smooth rectification without service or care of any nature.

Type A-110. For use on Ballite type K, Sileto and Yesta trickle chargers. Provides full wave rectification and 3 ampere charging rate. Last indefinitely.

Type AR-3. For use on Philco socket powers. Dual unipower, Lutron, Rodeo, 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 trickle units—Pancer amp. trickle chargers and all bulb types of Philco socket powers, Willard socket powers and Rodo socket powers.

Type RG. Used as replacement unit on vibrating battery chargers of the 6 volt type such as the Homecharger, Van, Valley, France, Sterling, Apex, Ford, Holmes, Intersight, Simplex, King, Full Wave, Niles, etc. Provides 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 $5.00 PRICE $2.94
Knight "B" Eliminator

FOR ALL SETS

NO LIQUIDS

NO HUM

AMPLE POWER

ATTRACTIVE

FOOL PROOF

PRICED RIGHT

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 to be a perfect unit as is obtainable. Uses type BII Raytheon tube. Size 7¼ x 4 x 3/8. 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. 8110. List, $28.50. YOUR PRICE WITHOUT TUBE.

RAYTHEON BH TUBE EXTRA

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

$11 95

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 RADIOAS

For 1 to 3 tube sets and for Radiolas. Employs UX-213 type rectifier tube. Capacity, at 110 volt, 250 volts. Variable amplifier and detector voltages. Measured 1¼ by 1¼ by 3 in. For 110 volt, 60 cycle "AC" operation. Tube not included. No. 8110. Wt., 12 lbs. Retail, $22.00. YOUR PRICE.

$12 44

MODEL R-81 FOR 3 TO 5 TUBE SETS

Satisfactorily operates sets having 8 large tubes, including power tube when grid biased. Employs Raytheon type BH tube. Variable amplifier and detector adjustments—operates from 110 volt, 60 cycle A.C. current. Measures only 7¼ x 4 x 3/16 in. Tube not included. No. 8111. Wt., 12 lbs. Retail, $24.00. YOUR PRICE.

$14 11

"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 BII 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 4½ x 11 x 3/8 in. Tube not included. No. 8112. Retail, $33.50. Wt., 20 lbs. YOUR PRICE.

$19 70

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 2½ amp. dry disc rectifier. Supplies a maximum of 2½ amp. continuously, at 6 volts.

FREE FROM HUM

A special oversized filtering condenser assures perfect freedom from hum. One installed, requires no further attention. BII type BH tube, ready for 110 volt, 60 cycle "AC" operation. 4 x 10 x 14 in. Tube not included. Wt., 20 lbs. No. 8113. Retail, $49.50. YOUR PRICE.

$23 23

FOUR VOLT "A" UNIT MODEL R-94 FOR RADIOAS AND SETS USING 1½ 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 8 amp. Tungar Bulb. Measures only 7 x 4 x 10 in. Tube not included. No. 8114. Wt., 15 lbs. Retail $28.00. YOUR PRICE.

$16 46
Knight Dry "A" Supply

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

2 1/2 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 2 1/2 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.

Easy to Install

This is a simple unit to install. Provides receptacle for plugging in any "E" supply. Meter equipped so that one may see when 5 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

Chargers—BALKITE—Power Units

Chargers—Dry Model "F"—2 Rate


No. 8013. List $5.50. NET $5.50

Model N Charger

This is the electrolytic standard Balkite Two Rate Charger.

Price, 4 1/4x7 1/8x6 1/4. Wt., 1 lb. Operates from 110-120 volt A.C. 60 cycle. Wt., 1 lb.

No. 8115. List $11.00. NET $6.47

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 mills at 167 volts. Size, 8x1 5/16x7. Uses 110-120 A.C. 60 cycle current. Wt., 2 lbs.

No. 8116. List Price $69.50. YOUR PRICE $40.87

"B" Supply—Model "E"

Uses the electrostatic Balkite "B" eliminator with the same capacity as above unit. Also operates from 110-120 volt A.C. 60 cycle. Wt., 1 1/4x3 1/2x6 in. The old standby Balkite "B" eliminator.

No. 8118. List Price $32.00. YOUR PRICE $18.82
Super Power Eliminator

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 complete units.

Quick Operation — No Hum
Supplies A and C current for any radio set up to 100 milliamps without hum. Maximum voltage 180 volts. "C" voltage 40 volts. Has two variable regulators for detector and R.F. and a 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: 4½ x 11½ 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

B-Eliminator
Regular
$38.00 Value
Shipping Weight 25 lbs.

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

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 output is maintained. Quiet and handsome.

No. 8063 — 5-6-7 Tube Model. For all voltage up to 7 tubes including power tube. Capacity 150 ma and 125 volts. Horn free and dry. Operates from 110 volt 50-60 cycle. A.C. Size: 5½ in. wide, 9½ in. high, 9 in. long. Weight 22 lbs.

No. 8064 — Hi-Power “B”. A heavy duty unit for all high voltage sets up to 12 tubes. 6 output posts for simplified installation. B-5, 45-7, 90-9, 135-120 volt. No variable adjustments. Requires no attention. Shipping weight 25 lbs.

No. 8065 — “B” Royal 25-40 Cycle Heavy duty model power unit for up to 12 tubes. 110 volt alternating current. Will operate all high voltage sets up to 12 tubes. Shipping weight 25 lbs.

KINGSTON POWER SUPPLY UNITS

“A” Current Supply Unit
New Kingston product. A dependable, reliable “A” current power supply unit for use with all D.C. tubes. May be used with any standard set having from 4-19 tubes to 9-201A and 1 tube power. Requires no attention. Maximum current output is 2½ amps at 6 volts. Uses the well known Silicon rectifier. Dimensions, 10½ in. long, 6½ in. wide, 7½ in. high. May be had with or without Weston voltmeter. Shipping weight, 35 lbs.

No. 8066 — With Voltage meter. List $48.60. YOUR $28.22
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 wide range making possible any desired voltage from 5 to 260. Dimensions, 9 in. long, 5½ in. wide, 9¼ in. high.

Model 1
No. 8037 — Model 1. For all receiving sets having up to 6 tubes without tubes. Operates from 110 to 120 volts A.C. 60 cycle current. Shipping weight, 25 lbs.

No. 8038 — Model 2A. For all sets of 9 or more tubes including 121 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.

Model 2
No. 8037 — Model 2. For all receiving sets having up to 6 tubes without tubes. Operates from 110 to 120 volts A.C. 60 cycle current. Shipping weight, 25 lbs.

No. 8038 — Model 2A. For all sets of 9 or more tubes including 121 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.

Price

Your $19.11

Your $24.92

Your Price

Your Price
ELIMINATES THE "A" BATTERY

A Real Value

CONSTANT - UNFAILING
This Super Power "A" can be depended upon for years of constant unfailling 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. 9001 Shipping wt., 15 lbs.
List Price $35.00
Your Price...

New Tobe "A" Supply
No. 100A, Tobe Trans-A-Former (6-tube), 10 lbs....
Tobe Trans-A-Former...

Tobe-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 Tobe dry A $9000, mfd. condensers and two chokes. Completely wired. Simply attach to any good charger for complete "A" elimination. Size 7½ x 41/4 in. Wt. 8 lbs.
No. 1405, Tobe-A-Filter...
Tobe-A-Filter...

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, unfailling 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 unfailling, 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. 9025, Shipping weight, 25 lbs.
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 over-sized transformer so that it cannot interfere with the operation of the most sensitive receiving sets.

4 Volt Type
No. 8007...
4 Volt Type...

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

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 current.
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 is ideal to operate 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 1/4 in., while the height is 7 1/4 in. maximum and the depth 10 3/4 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.

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 21/2 tubes 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 5 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 6-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% in. high, 6 1/4 in. wide, 11 1/4 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

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, harmonizer, and power tap outputs. Its large capacity delivers sufficient surging 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 1/4 in. wide, 11 1/4 in. long. Price quoted does not include tube. Weight, 29 lbs.

No. 8107
Retail $24.00
Your Price

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 water. It has been tried for four years and found dependable.

A Tremendous Value

Needless to say we offer here a retail value of $58.00, at a price and delivery 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 its value with any similar combination. Their performance is outstanding.


List Price $68.00
Your Price $32.45

Super "B" Eliminator

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Your Price

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Your Price

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, harmonizer, and power tap outputs. Its large capacity delivers sufficient surging 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 1/4 in. wide, 11 1/4 in. long. Price quoted does not include tube. Weight, 29 lbs.

No. 8107
Retail $24.00
Your Price

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Designed to meet the requirements of any receiver drawing up to 60-milliamperes with five tubes or more. Three variable controls control detector, harmonizer, and power tap outputs. Its large capacity delivers sufficient surging 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 1/4 in. wide, 11 1/4 in. long. Price quoted does not include tube. Weight, 29 lbs.

No. 8107
Retail $24.00
Your Price
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 3½x5½x3¾ 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**

---

**New Tungar Chargers**

For charging radio and automobile storage batteries. Unusually quiet in operation. Complete absence of moving parts. Will charge 5, 4, or 2 ampere A batteries and can be used to charge 24 to 96 volt D storage batteries in series of 1 to 26 ampere. 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 a compound, eliminating all objectionable noise and making it impossible to burn out tubes.

**No. 8046. For 110 v., 60 cycle operation.**

- 5 ampere, size, Wt., 15 lbs. Retail, $24.00. YOUR PRICE...

**No. 8047. For 110 v., 60 cycle operation.**

- 2 ampere, size, Wt., 10 lbs. Retail, $14.00. YOUR PRICE...

**STANDARD TUNGAR BULBS**

**No. 126. 5 ampere, size.**

- Wt., $8.00. YOUR PRICE...

**No. 127. 3 ampere, size.**

- Wt., $16.00. YOUR PRICE...

**No. 128. 6 ampere, size.**

- Wt., $24.00. 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 amperes. Use Elkon dry cell rectifiers. Absolutely dry, trouble free, no noiseless, absolutely dry, trouble free, no trouble, no attention, no moving parts. Long, dependable life. Weighs 3 lbs.

**No. 8056. Retail, $10.00. YOUR PRICE**

---

**Elkon High Capacity Dry Condensers**

Genuine Elkon dry type high wattage condensers. Used in the fading A eliminators and in all filter systems where high capacities are needed. Perfectly dry, being baked for twenty-four hours at temperature of 2000 before sealing in can. Measures 2½x13¾ x 5 in. Wt., 2 lbs.

**No. 8099. 750 mf.**

- Retail, $2.99. YOUR PRICE...

**No. 8100. 1250 mf.**

- Retail, $4.99. YOUR PRICE...

**No. 8101. 1500 mf.**

- Retail, $7.99. YOUR 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 sold dry, noiseless, need no attention and perform perfectly for years. They increase the charging rate on the type N unit to one amperes and on the type K unit to 3 amperes. Wt., 4 lbs.

**No. 8103. Retail, $5.00. YOUR PRICE**

---

**Knapp A Eliminator**

A high grade A eliminating that supplies filament voltage of 3.4 or 6 volts. Not a battery charger combination. Employ the famous Elkon rectifier and three dry Elkon condensers for noiseless, humless current. Suitable for 4 ampere at 6 volts. Operate on a 105-120 volt A.C. 60-60 cycle current. Complete with A eliminator receptacle and switch switch which control rectifier A power and A eliminator. Highly recommended. Once installed requires no further attention. Wt., 25 lbs.

**No. 8073. Retail, $17.50. YOUR PRICE**

---

For Model J Balkite Charger

Genuine Elkon replacement unit for 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. YOUR PRICE**
Valley Chargers

This charger will charge both 6 and 12-volt batteries by means of binding post connections, low-ratio, vibrato type. Has non-shock, high-grade nickel plates 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.

Webster 3 Ampere Chargers

The New Webster Bone Dri-Chargers 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 overcharging your battery. For 110-volt, 60-cycle A.C. Size 8x7 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, $5.50.

$3.82

Yaxley Automatic Power Controls Voltage Relay

A device for completely controlling the current to your set from an eliminator, or battery, or both. Designed for attaching in each box. Wt., 1% lbs.

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

$4.41

Brach Control Switch

An automatic relay for "A" battery charger and "B" eliminator. A small relay turns off charger, or charger off or on as the set is switched on or off. Entirely automatic. Wt., 1% lbs.

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

$2.65

Yaxley Automatic Relay

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

Type 444-series type

No. 2374. For sets with current draw equal to 3 1/2 120A tubes and up to 11 20A tubes. Wt., 1 1/2 lbs. List, $5.00. YOUR PRICE...

$2.94

Reliable Automatic Relay

Reliable, automatic power control switch for trickle charger and eliminator. Automatically turns on or off either or both as required. Wt., 1% lbs.

No. 2377. List, $2.50. YOUR PRICE...

$1.18

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 all trickle chargers and "B" eliminators. Particularly compact. Wt., 1 1/2 lbs.

No. 2375. For sets with 6-volt batteries. List, $5.00. YOUR PRICE...

$2.06

Handy Two-Rate Trickle Chargers

The ideal charger for all around use—efficient and quiet. The latest development in chargers provides a one time charging rate. Has ammeter and fuse in indestructible metal 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 1/4 amperes—"High" rate is 2 to 2 1/2 amperes. Wt., 10 lbs.

No. 8069. 110-volt, 10 to 50-cycle A.C. List, $4.00. YOUR PRICE...

$8.23

No. 8070. 110-volt, 25, 30 or 40-cycle A.C.

List, $5.00. YOUR PRICE...

$9.41

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 10 batteries. 110-volt, 25, 30 or 40-cycle. Weight, 11 lbs. YOUR PRICE...

$44.10

No. 8077. Type 6-B for 1 to 15 batteries. 110-volt, 25, 30 or 40-cycle. Weight, 11 lbs. YOUR PRICE...

$53.90

No. 8078. Type 15-B for 1 to 30 batteries. 110-volt, 50 or 60-cycle. 6-amp. charger. Weight, 112 lbs. YOUR PRICE...

$68.60

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. 5737. List, $1.90. YOUR PRICE...

$2.35
Storage Batteries & Accessories

Heavy Duty Leak-Proof

3 Year Guarantee

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

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 cover of any 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. For any condition of each cell. Each, 1 lb. No. 6214. Retail per set of three, $1.00. YOUR PRICE... $1.30

Batteries

Battery Terminal Connectors

Makes perfect connections to "A" Batteries. Slip over post. Wt. 6 oz. No. 6245. YOUR PRICE... $1.78

Rubber Battery Mats

A well built solid rubber battery mat. Also tests all "A" Batteries. Combination meter, also tests 1½ volt dry cells. Wt., 1 lb.

No. 2074. 0-50 volts $0.90.
No. 2080. Combination Volt-ometer, 0-999 - 0.50 volts $1.50.

YOUR PRICE... $5.50

Battery Clips

Non-corrosive, perfect gripping clips. Fit any size storage battery terminal. Lead WL., 4 oz.

No. 6207. Large size TWO FOR... 18c

Battery & Radio Clips

for last- ing service. The strong spring tension makes contact at all times. Heavily lead coated to prevent corrosion.

No. 6228. 10 amp. size, 1½ in. long. 4-40 open, 1⅛ in.

LOTS OF TEN... 37c

No. 6229. 25 amp. size, 2¾ in. long. 4-40 open, 1⅛ in.

LOTS OF TEN... 67c

YOUR PRICE... 75c

Charge Indicator

A small pocket voltmeter that quietly indicates when your battery is dead — requires charging, or is fully charged. Eliminates the merry hydrometer. Wt., 8 oz.

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

Beede Test A-Bat

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

No. 6201. Retail, $1.50. YOUR PRICE... $1.05

Battery Cables


No. 6208. 5 conductors. Retail, 50c. NET... $1.25

No. 6237. 6 conductors. Retail, 60c. NET... 1.50

No. 6238. 7 conductors. Retail, 70c. NET... 1.65

No. 6239. 8 conductors. Retail, 85c. NET... 2.00

No. 6240. 9 conductors. Retail, $1.00. NET... 2.50

No. 6241. 10 conductors. Retail, $1.15. NET... 3.00

No. 6242. 11 conductors. Retail, $1.50. NET... 4.00

No. 6243. 12 conductors. Retail, $1.85. NET... 5.00

No. 6244. Battery, $2.50. Retail, $3.15. NET... 6.00

Cable Markers


YOUR PRICE... 16c

Battery Lead Tags

Metal tags for marking battery leads. Wt., 1/2 oz. in envelopes containing 250. Retail, per set of 250. Tag, 1¼ in. wide. Extra large size heavy duty Hydrometer for battery stations, and dealers. Accurately calibrated head float that is practically unbreakable. Rubber bulb and stem are of high grade live material in shock absorbing condition. Wt., 1¼ lbs. No. 6250. Retail, $2.50. YOUR PRICE... $1.45

Hydrometers Float

High grade replacement float that can be replaced with any Hydrometer. No need to throw out the old Hydrometer. Wt., 4 oz.

No. 6204. Retail, 25c. PER TEN... 17c

Hydrometer Floats

Extra large size heavy duty Hydrometer for battery stations, and dealers. Accurately calibrated head float that is practically unbreakable. Rubber bulb and stem are of high grade live material in shock absorbing condition. Wt., 1¼ lbs. No. 6250. Retail, $2.50. YOUR PRICE... $1.45

Service Hydrometer

A well made hydrometer with accurately graduated scales. Tests storage "A" and "B" Wet Batteries. WL., 4 oz.

No. 6248. Retail, 50c. YOUR PRICE... 23c

S.O.S. Hydrometer

4½ FT. LONG

No. 6236. 5 conductor. Retail, 50c. NET... 23c

No. 6237. 6 conductor. Retail, 60c. NET... 29c

No. 6238. 7 conductor. Retail, 70c. NET... 35c

No. 6239. 8 conductor. Retail, 85c. NET... 43c

No. 6240. 9 conductor. Retail, $1.00. NET... 50c

No. 6241. 10 conductor. Retail, $1.15. NET... 58c

No. 6242. 11 conductor. Retail, $1.50. NET... 68c

No. 6243. 12 conductor. Retail, $1.85. NET... 89c

No. 6244. Battery, $2.50. Retail, $3.15. NET... 6.00

No. 6245. $1.05.

No. 6246. $1.28


Heavy Duty “B” Batteries

Manufactured to our exacting specifications by the nation-ally 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.

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 recommented. Size 6 x 7 x 11/4. Wt. 13 lbs.

45 VOLT UPRIGHT

No. 5725. Large upright standard type batteries for use on fire and six tube sets. Perfectly insulated large cells assure long life. Tapped at 25 volts. Size 8 x 13 x 11 lbs.

BURGESS “B” BATTERIES

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

<table>
<thead>
<tr>
<th>No.</th>
<th>No.</th>
<th>Volts</th>
<th>Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5701</td>
<td>4156</td>
<td>22½</td>
<td>B small, flat</td>
<td>$1.25</td>
</tr>
<tr>
<td>5702</td>
<td>5156</td>
<td>22½</td>
<td>B medium, flat</td>
<td>$1.50</td>
</tr>
<tr>
<td>5703</td>
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<td>22½</td>
<td>B large, flat</td>
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<tr>
<td>5705</td>
<td>2158</td>
<td>22½</td>
<td>B, upright, flat</td>
<td>$1.75</td>
</tr>
<tr>
<td>5706</td>
<td>3306</td>
<td>4½</td>
<td>Upright</td>
<td>$2.50</td>
</tr>
<tr>
<td>5707</td>
<td>3306</td>
<td>4½</td>
<td>B, large, flat</td>
<td>$2.50</td>
</tr>
<tr>
<td>5708</td>
<td>3306</td>
<td>4½</td>
<td>B, battery, large</td>
<td>$3.50</td>
</tr>
<tr>
<td>5709</td>
<td>10308</td>
<td>4½</td>
<td>Heavy duty upright</td>
<td>$3.75</td>
</tr>
<tr>
<td>5710</td>
<td>5356</td>
<td>4½</td>
<td>C, small, plain</td>
<td>$1.00</td>
</tr>
<tr>
<td>5711</td>
<td>2370</td>
<td>4½</td>
<td>C, large, tapped</td>
<td>$2.50</td>
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<tr>
<td>5712</td>
<td>5540</td>
<td>4½</td>
<td>C, medium, tapped</td>
<td>$1.50</td>
</tr>
<tr>
<td>5713</td>
<td>6A</td>
<td>1½</td>
<td>Dry cell A</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

45 VOLT 'C' BATTERY

No. 5728. Standard type "C" battery which should always be used with power tubes. Reduces B battery drain. Ascertains proper amplification without distortion. Size 11 x 2 x 3/4. Wt. 1 lb.

4½ VOLT UPRIGHT

No. 5726. A long life battery designed for use where space is limited. A fast moving popular size battery measuring 4 x 3 x 6 in. which every dealer should stock. Wt., 6 lbs.

E VEREADY "B" BATTERIES

Nationally known. Always fresh stocks. No. 167 or No. 715 for sets having less than two tubes. For five-tube sets or larger, No. 770 heavy duty, or No. 772 upright standard battery. For one or two tubes, always use the "A" tapped knight battery. These batteries are the best for all battery amplifiers. Batters tapped at 1.75 volts. A regular size standard battery, one could. 120 volts, Wt., 8 lbs.

Suggest No. 483 and the 762 for the portable set. No. 5715. 763 22½-volt, small, flat $1.50

<table>
<thead>
<tr>
<th>No.</th>
<th>Volts</th>
<th>Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5715</td>
<td>763</td>
<td>22½-volt, small, flat</td>
<td>$1.50</td>
</tr>
<tr>
<td>5716</td>
<td>768</td>
<td>22½-volt medium, flat</td>
<td>$1.75</td>
</tr>
<tr>
<td>5717</td>
<td>766</td>
<td>22½-volt large, flat, tapped</td>
<td>$2.00</td>
</tr>
<tr>
<td>5719</td>
<td>767</td>
<td>45-volt, large, flat, tapped</td>
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<tr>
<td>5720</td>
<td>772</td>
<td>45-volt, upright</td>
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<tr>
<td>5721</td>
<td>770</td>
<td>45-volt, heavy duty, upright</td>
<td>$4.00</td>
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<tr>
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<td>748</td>
<td>45-volt, heavy duty, &quot;Layer Built,&quot; upright</td>
<td>$4.25</td>
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<tr>
<td>5723</td>
<td>731</td>
<td>4½-volt &quot;C&quot;, tapped</td>
<td>$0.65</td>
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<tr>
<td>5724</td>
<td>746</td>
<td>1½-volt, Dry Cell, &quot;A&quot;</td>
<td>$0.30</td>
</tr>
<tr>
<td>5725</td>
<td>745</td>
<td>45-volt medium layer built</td>
<td>$2.50</td>
</tr>
<tr>
<td>5730</td>
<td>762</td>
<td>45-volt, Portable</td>
<td>$2.75</td>
</tr>
<tr>
<td>5731</td>
<td>779</td>
<td>22½-volt vertical medium</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

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 high amperage 1½ volt. Wt., 3 lbs.

<table>
<thead>
<tr>
<th>No.</th>
<th>Stock Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5714</td>
<td>Retail 60c. YOUR PRICE…</td>
</tr>
</tbody>
</table>
CX 301A
UX 201A
Amplifier and Detector. General purpose, all around storage battery or dry cell amplifier. Should be used in last stage of Radiola or any open-circuit operated receiver. Fits X type socket only. Filament voltage 3. Current 120. Requires 24 volt C battery. 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 01A and 02A. Used in Interchangeable with 201A. Storage battery tube. Filament voltage 6. Current 25 amp. Plate voltage 46. No. 102. List, $4.00. NET... $2.74

CX 240—UX140
High Mu Detector. Amplifier. For use in resistance or impedance coupled amplifier circuits. May be used either as a detector or amplifier. Has amplification factor of 30. Performs more efficiently than standard 201A tubes in resistance or impedance amplifiers. Filament voltage 2.5. Plate voltage 45-60. Filament current 27 amp. Plate voltage 100-180 volts. No. 111. List, $2.60. NET... $1.37

CX 299—UV 199
CX 299—UX 199
Detector and Amplifier. Dry battery type tube adaptable to either portable receivers or multi-tube sets in the home. Equally well adapted as detector or highly efficient R.F. or audio amplifier. Economical, high efficiency, small size, and extremely low plate current. 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. CX 299 or UX 199. List, $2.25. NET... $1.54

WD11-C11—CX12—WX12
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 Radiola or any well operated receiver. Fits X type socket only. Filament voltage 3. Current 120. Requires 24 volt C battery. No. 107. List, $2.50. NET... $1.71

AC Tubes
CX 326—UX 226
AC Amplifier. For radio frequency and audio circuits. Designed for operation on 60 volt AC at 1 1/2 volts. Filament current 1.6. Plate voltage 90-150 volts. Cannot be used as detector. Fits standard and UX sockets. Used also the popular new AC electronic circuits. No. 112. List, $2.50. NET... $1.71

CX 327—UX 227
AC Detector. Special five prong AC detector of the heater element type. Operates on 60 volt AC at 1.75 amps. Plate voltage 5-50. May be used as a radio frequency or audio frequency amplifier as well as detector though it not generally adaptable to use with the special five prong base and its only special 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 construction and extremely long life. Stables 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. Supplied in two different voltages; 300 volt power tubes and 500 power tubes. Rated output is 55 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 iron 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 different current drains. Also stabilizes output under line voltage variations. Should be used with the output of the voltage regulator, 125 volt AC source or 125 volt AC power supply. C11—WD11. List, $4.75. NET... $3.26

Power Tubes
CX 371A
UX 171A
Power Amplifier. New power amplifier replaces 111. Has extremely low output impedance. Suitable for use in portable receivers and audio stage only. Price 29 M. A. at 200 volts with 100 volt AC source. C 312, consequently should be used in the output circuit of the special AC amplifier with some form of output coupling device. May be operated with six volt storage battery or five volt AC source. 25 M. A. at 200 volts with 50 volt AC source. May be used without disturb. Has great power output. Low impedance and high plate current will provide improved tone quality. No. 109. List, $3.00. NET... $2.06

CX 112A—UX 112A
Power Amplifier-Detector. An improved general purpose detector designed as a power amplifier, but also operates efficiently as detector—radio frequency amplifier or audio amplifier. Primarily designed for use in portable receivers and audio stage only. Operates on 30 volt AC at 150. C 312 draws only .25 amperes at 5 volts and may be used with 5 volt storage battery or may be operated from 5 volt AC source in the last audio stage of higher amplification than 311, but lower power output. Coupling device not essential. Plate voltage 90-1575. No. 107. List, $7.50. NET... $6.17

CX 310—UX 210
Power Amplifier. High voltage power amplifiers of hard plate type. Suitable for use with amplifiers and power supplies. Primarily designed for use in radio receivers and amplifier circuits. New 310A. Used singly or in pairs to form a complete power amplifier, and the new dynamic power speakers. No. 108. List, $9.00. NET... $6.23

CX 350—UX 250
New Super-Power Amplifier. New amplifier to replace the 250A. Designed for maximum power output and efficiency without distortion or overload. Ideal for portable receivers and power amplifiers. Used singly or in series. Operates on 30 volt AC at 250. Max. plate voltage 250 volt. Max. current 65 M. A. Plate voltage 250-242, draws 12 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 voice and the new dynamic power speakers. No. 109. List, $12.00. NET... $8.23

CX 322—UX 222
Screen-Grid Radio Frequency Amplifier. A new four element tube designed particularly for use with in-line type regenerative detectors. With power supply of the radio frequency circuit, neutralizing, stabilization, coupling devices are unnecessary. Filament voltage 1.25 volts. Plate voltage 200 volts. Draw only .2 ampere. May be operated with 6 volt storage battery or with 15 volt AC source. Very sensitive. Also adaptable to use with dry cells. Plate voltage 250 volts. No. 250. List, $5.50. NET... $4.46
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.

Every Tube is Tested

171 Type POWER TUBE
No. 204 Retails $3.00

85°c

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.

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.

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—you Hylon prices enable you to sell a quality tube below the market, and still make a reasonable profit.

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>No.</th>
<th>List</th>
<th>Your Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>216</td>
<td>A.C. Radio and Audio Amplifier</td>
<td>199</td>
<td>$4.00</td>
<td>$1.85</td>
</tr>
<tr>
<td>220</td>
<td>Full Wave Rectifier</td>
<td>102</td>
<td>$4.50</td>
<td>$1.35</td>
</tr>
<tr>
<td>221</td>
<td>Shileded Grid Amplifier</td>
<td>103</td>
<td>$4.95</td>
<td>$1.95</td>
</tr>
<tr>
<td>427</td>
<td>A.C. Detector Tube</td>
<td>190</td>
<td>$5.00</td>
<td>$2.25</td>
</tr>
<tr>
<td>111A</td>
<td>Metal-Filled Rectifier</td>
<td>104</td>
<td>$5.00</td>
<td>$2.25</td>
</tr>
<tr>
<td>112A</td>
<td>Metal-Filled Detector Tube</td>
<td>191</td>
<td>$5.00</td>
<td>$2.25</td>
</tr>
<tr>
<td>113A</td>
<td>A.C. Amplifier</td>
<td>192</td>
<td>$5.00</td>
<td>$2.25</td>
</tr>
<tr>
<td>114A</td>
<td>Hi-Fi Wave Rectifier</td>
<td>193</td>
<td>$5.00</td>
<td>$2.25</td>
</tr>
<tr>
<td>115A</td>
<td>A.C. Amplifier</td>
<td>194</td>
<td>$5.00</td>
<td>$2.25</td>
</tr>
<tr>
<td>Type</td>
<td>Description</td>
<td>Price</td>
<td></td>
<td></td>
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<tr>
<td>------</td>
<td>-------------</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>X280</td>
<td>This is a full wave rectifier tube used at 5 volts, drawing 2 ampere, with a plate voltage of 300. Used as full wave rectifier in all of the latest type sets.</td>
<td>1.80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X240</td>
<td>High-Mu This is an amplifier for resistance coupling with an amplification factor of 30. At 5 volt draws 25 amp. Plate voltage 150.</td>
<td>76c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X120</td>
<td>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 30.</td>
<td>95c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X199</td>
<td>The 199 is a dry cell amplifier and detector tube, drawing .06 amp. at 3 volts. Plate voltage 90.</td>
<td>89c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X1171</td>
<td>This is a powered amplifier tube drawing .05 amp. at 5 volts. Plate voltage 180. Used as a last stage audio amplifier in most modern radio sets.</td>
<td>1.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X112A</td>
<td>Power Amplifier Used as a power amplifier tube in last stage. At 5 volts draws 25 ampere. Maximum plate voltage 180.</td>
<td>2.85</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Laboratory Standard**

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

**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 compete 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.
KNIGHT VITALITY

It is the long life of a tube which counts. Knight tubes are made in 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

Each and every Knight tube is tested in our own laboratory for the important factors that enter into making a tube which is right in every respect. Our procedure is costly but it enables us to ship a tube which the manufacturer claims is perfect and enables you to handle a complete line of tubes which according to our tests prove themselves to be first-class.

Newer, Better Tubes

As time and scientific research brings their developments, so are the latest developments being put in all quality tubes. Additional refinements and developments all help.

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 4 volts and 0 to 10 miliamps. For dealer or serviceman, this tube checker will be given with any purchase of 50 assorted KNIGHT TUBES ONLY.

YOUR OWN TEST ON KNIGHT TUBES WILL SHOW THEIR QUALITY

Test all your tubes. Make up an order of 50 assorted Knight tubes and obtain this tube checker free. Knight tube 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 "Tube Tester" $12.50 tube tester without additional charge. This offer applies to none other than Knight tubes.

DONT 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 of audio only or in push-pull. Output 400 watts. $3.00. No. 235. List Price, $3.00.

Your Price $1.19

TYPE X222

Shielded Grid R. F. Amplifier

Amplification Factor 360 Plate voltage 125. Filament voltage 1.5. Truly a wonderful radio frequency tube for sets designed for its use. No. 237. List Price, $6.00.

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 200A 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 X226 is an A.C. tube used in all modern A.C. sets for radio and audio amplification. Drawn 1.65 amps, at 150 volts with a plate voltage of 90-180 volts maximum. No. 247. List Price, $2.50.

Your Price 95c

TYPE Y227 A. C.

Power Amplifier


Your Price $1.90

LIST PRICE, $4.70

TYPE X250

Power Amplifier

This is the latest 250 power amplifier tube. Filament voltage 7.5. Plate voltage 250 volts maximum. Filament current 1.25 amperes. A real powerful tube. No. 240. List Price, $12.00.

Your Price $3.55
**General Purpose Tubes**


**TYPE "B."** Similar to type "BX." except with shorter neck. No. 254. **YOUR PRICE...** $1.35.


**A.C. Tubes**

**These are new CECO AC types of tubes to meet the AC operation.**

**TYPE "M26."** General purpose AC type similar to type 250B. For use in AC type sets. Careful construction insured long life. Filament volt 1.5, Plate voltage not over 180 volts. No. 260. Retail, $2.50. **YOUR PRICE...** $2.10.

**TYPE "N27."** Special AC type of the separate heater type, used as a detector or amplifier. Has new 5-prong base. Heaters volts, 2.5. Plate volts, 1.5. Plate voltage as detector. No. 261. **YOUR PRICE...** $2.94.

**Special Purpose Tubes**

**TYPE "F.22."** Shielded grid type, tube similar to the UX325. Used in all AC type tubes. Filament volts, 3. Plate volts, 50-180. Standard UX base. No. 257. **YOUR PRICE...** $3.35.


**Power Tubes**

**TYPE "F.12-A."** Power type like standard UX12A type. Last word in audio. For battery or AC operation. Filament volts, 3. Plate volts, 100-140. No. 263. Retail, $3.95. **YOUR PRICE...** $3.15.


**TYPE "L.10."** Like the UX210 type power tube for plate voltages up to 250 volts. Used in special Power Packs and sets for high voltage. Filament volts, 7.5. Plate volts, 250. Standard UX base. No. 265. Retail, $3.50. **YOUR PRICE...** $3.00.

**Rectifiers**


**Naal Connectordails**

**TYPE "942."** For testing A.C. or D.C. tubes in D.C. circuits. Two tubes connected in series to project the tube characteristics. No. 269. Retail, $4.00. **YOUR PRICE...** $3.60.

**TYPE "944."** For connecting electric phonograph pick-ups to the A.C. sets. One wire connects to one side of the pick-up, the other wire to the A.C. set. No. 270. Retail, $1.50. **YOUR PRICE...** $1.25.

**Naal Connectordails**

**TYPE "947."** Similar to type 946 except designed espe- cially for Victor talking machines. Takes the output of the last detector tube and connects to it an external speaker and a power amplifier. No. 272. Retail, $8.00. **YOUR PRICE...** $7.20.

**TYPE "948."** Connects electric phonograph pick-ups to the A.C. sets. Two wires go into the set and connect in series with the plate to the speaker and the output to an A.C. set. Highly recommended. No. 273. Retail, $8.00. **YOUR PRICE...** $7.20.

**McDonald Bowl Arrester**

**Will eliminate any hum or noise due to micro- phone disturbances. May be connected in series with the output of the last detector tube and one for the 5-prong 6 cathode and one for the 5-prong 5 heater detector. No. 722. Type 25 for UX256 tubes. Retail, 90c. **YOUR PRICE...** 75c.

**New McCullough A. C. Tubes**

**For new A.C. operation of sets.** Operates directly from the house lighting current through the use of a low vacuum tube. Quiet operation. No hum. Needs no special type apparatus. No. 242. Detector Amplifier. Retail, $5.00. **YOUR PRICE...** $3.60.
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 justified 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 liven up the appearance of your shelves, and keep your stock moving.

ORDER A SET TODAY

<table>
<thead>
<tr>
<th>Type</th>
<th>Price</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>X201A</td>
<td>73c</td>
<td>Detector Amplifier</td>
</tr>
<tr>
<td>X171A</td>
<td>1.47</td>
<td>Latest power amplifier tube. Draws only .06 amp. Takes the place of the A.C. tube.</td>
</tr>
<tr>
<td>X280</td>
<td>2.20</td>
<td>Full wave rectifier tube. Output: 125 m.</td>
</tr>
<tr>
<td>X222</td>
<td>3.18</td>
<td>Special shielded grid tube.</td>
</tr>
<tr>
<td>X199</td>
<td>1.10</td>
<td>Dry battery tube drawing 0.06 amp.</td>
</tr>
<tr>
<td>X120</td>
<td>1.22</td>
<td>Amplifier tube for the dry cell set.</td>
</tr>
</tbody>
</table>

$1250 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 tester F.O.B. FREE OF CHARGE. This tester will test either A.C. or D.C. tubes. This is the Reulite 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 fast tunes—faster 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 theorected Tungsten filaments properly aged. May be reactivated. Excellent deflector and amplifier. Used in all stages of radio receivers. Genuine molded bakelite base and tipless construction. 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 superhetrodine circuits.

Type 201A Tubes—A Tremendous Value

Type 201A—No. B7070—List $1.50

YOUR SPECIAL NET WHOLESALE PRICE

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.

Your Price .... $2.86

Genuine RAYTHEON Rectifier Tubes

Designed for "B" battery elimination and used in practically all standard "B" eliminators. Type "B" has a maximum output of 17.5 volts at 60 millis. Types "F.B." deliver 300 volts at 80-120 millis with transformer and choke designed for this high voltage and current.

No. B205. Type B List. YOUR PRICE $2.65

No. B206. No. B205. List. $4.50. YOUR PRICE $2.65

Raytheon "A" Rectifier Amplifier Tube

Raytheon "A" cartridge a ¾ 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

Concert Master Copper Shielded Tubes

Completely enclosed in 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.

No. 214. 201A List $1.46

No. 216. X199 List $2.50

No. 217. X200A De.ector tube List $4.50

No. 218. X111 Power tube List $4.50

No. 219. XII List $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 four 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. 276. Type 28 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 $8.00. YOUR PRICE $2.35

No. 277. Type 127 quick acting 2.5 volt, five prong A.C. grid tube. List $3.00. 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.

Shield grid amplifiers in 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 and is non-oscillating when used in shielded circuits. Filament voltage 9.5. Filament current .133. Plate 90 to 135.

No. B7075. List $6.50. YOUR PRICE $3.62

No. 214. 201A List $1.46

No. 216. X199 List $2.50

No. 217. X200A De.ector tube List $4.50

No. 218. X111 Power tube List $4.50

No. 219. XII List $4.50
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 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 voltage constant under practically all conditions of load or line variation. For 110 volts A.C. current. Size, 18 in. wide by 9% in. deep by 7½ in. high. Shipping weight, 50 lbs.

No. 8120—Retail Value $95
YOUR PRICE
Without Tubes

$4825

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 milli-watts, more than two hundred times the power of the standard 20A tube. Has sufficient power 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.

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% in. deep by 7½ in. high. Shipping weight, 50 lbs.

No. 8121—Retail Value $110.00
YOUR PRICE
Without Tubes

$4985

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 pickup for phonograph amplification. The amplifier is completely self-operated and also supplies sufficient plate current for the largest radio receiver.

Enormous Amplification—Tremendous Power
The complete simple feature provides detection, intermediate and 60 volt terminals. A voltage regulator plate 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, 16½x9x7¼ in. Shipping weight, 50 lbs.

No. 8122—List Value $125.00
YOUR PRICE

$5875

Tubes required: one 257 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 best sound amplification with practically any receiver. Also adaptable as an additional amplifier following the usual last stage. Supplies 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. Packed to your 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, 10½ in. wide by 9 in. deep by 7½ in. high. Shipping weight, 50 lbs.

No. 8123—Retail Value $75
YOUR PRICE
Without Tubes

$2180

Tubes required: two 171A power tubes, one CT 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 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 OWN A PHONOGRAPH and a radio a 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.

Phonograph Console Cabinets of Exquisite Design and Superior Workmanship are ILLUSTRATED on Pages 20 and 84.

IF YOU OWN A RADIO RECEIVER and wish to combine it with an electrical phonograph reproducer, you will have a phonograph motor, turntable 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.

G. E. Induction Motor

The finest electrical phonograph motor ever designed. Has no brushes or commutators. Unlike induction motors it cannot cause electrical interference. Consists of two manufacturing types of motors exclusively: one designed for universal use and the other designed for specific applications. This is the type motor universally employed by manufacturers. Equipped with generator and switch. Complete with mounting plate and turntable. Without A.C. cord. Wt., 25 lbs. $50.00, NET...

No. 6870. List, $22.75

Mounting Plate

Metal mounting plate designed for mounting G. E. Induction Motor. No. 6847. NET...

$3.48

Carter Phonograph Radio Switch

TO PICK-UP an VOLUME CONTROL

A new simplified method of switching from phonograph to radio. Consists of an adapter for plugging into a phonograph socket of radio receiver, a special phonograph radio switch. When in use, the usual wire and switch may be used from phonograph to radio receiver. Specially made for phonographs. No. 6563. With D.C. adapter for batteries. List, $3.75. NET. YOUR PRICE...

$1.62

Pick-Up and Tone Arm

A special phonograph pick-up designed for permanent installation with any phonograph. A high quality product. The pick-up device is extremely sensitive. It will pass the record registrations on to the amplifier without distortion, producing an unusual degree of volume. The tone is due to the use of a special metal arm and back true. The arm and pick-up are treated with swivel board. Your Price...

No. 6565. List, $20.00

$9.85

Turn Table

12 in. Phonograph turn table of finest quality. Designed for use with the General Electric Phonograph Motor but is adaptable to any type phonograph. Finished in bronze with felt covering to protect record surface. Your Price...

No. 6566. YOUR PRICE...

$1.20

Gordon Pick-Up

The new phonograph electrical unit 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. 6567. Gordon Pick-Up Head Only. Wt., 2 lbs. YOUR PRICE...

$3.38

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 generally reproduce 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 aerial filters of D.C. tone dynamic reproducers. May be used with any dynamic speaker.

For 250 watts A.C. current. Wt., 50 lbs. YOUR PRICE...

$58.75

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 watt power output. Tremendous amplification. Perfect natural reproduction. Voice articulation is natural and clear, unlike the usual loud and harsh reproduction of most types of Public Address Amplifiers.

Consists of Kellogg table type Public Address Microphone, special Two Stage 250 Watt Address Power Amplifier and large exponential horn with two chamber 125 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 wherefor, for example, where only public speakers are required. The Public Address Power Amplifier will operate a number of speakers in.

Public Address System complete with microphone, power amplifier and exponential horn with unit. Wt., 110 lbs. YOUR PRICE...

$275.00

Public Address Microphone

Kellogg super-sensitive Public Address Microphone, with built-in microphone, loudspeaker, filament, volume control, etc. Wt., 20 lbs. No. 6862. With Built-in Microphone. Wt. 10 lbs. YOUR PRICE...

$25.00

250 Two Stage Power Amplifier

Two Stage 250 Super Power Amplifier built-in microphone transformer. Employed a stage of A.C. amplification followed by a power stage with 250 watts tube. Wt., 55 lbs. No. 6877. List, $150.00, YOUR PRICE...

$68.00

Public Address Horn

12¥/2 ft. air column. Exponential air column for all forms of public address installation. Suitable for theatres and especially adaptable to public address work. Site bell, 30 x 45 in. Depth, 31 in. Wt., 50 lbs. No. 6874. Complete With Power Unit. List, $200.00, YOUR PRICE...

$85.00
**Electric Phonograph Pick-Ups**

**New Bosch Recreator for AC or DC Sets**
- Reproduces and re-creates the phonograph record electrically through the radio set and loud speaker. May be installed with any phonograph. All of the best modern electric phonographs and recorders. A.C. and D.C. sets complete with plug, volume control and necessary adapters for A.C. or D.C. sets.
- Available in three models. Three separate units: the pickup, unit, volume control and radio set. Their performance equals that of the most costly phonographs.
- Model 165. Similar to Model 124 except counter balanced tone arm is not included. Retail, $6.17.

**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. Without loudspeaker. Adapted for both A.C. and D.C. sets. May be used with any phonograph since it is equipped with a tone arm permitting full control of the loudness. It offers true tone values along with volume that will equal that of the most expensive machines. Furnished complete with adapters for A.C. or D.C. sets.
- Retail, $11.76. 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-up 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 scratch, possible amount of needle scratch with the least possible suppression of the upper musical notes. Highly recommended. Wt., 2 lbs.
- Retail, $3.23. YOUR PRICE...

**Gordon Pick-Up**
- Amplifies any phonograph record through the radio receiving set. Installed at will with any set. With the added advantage of A.C. and D.C. sets. Results in a super perfect reproduction of the record through the radio loud speaker. Will operate 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.
- Retail, $5.75. YOUR PRICE...

**Na-Ald Pick-Up**
- Inexpensive electrical connection 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.
- Retail, $2.94. YOUR PRICE...

**NEW DELUXE PACENT PHONVOX**
- A new electrical pick-up with counter balanced tone arm. Three separate units: the pick-up unit, volume control and radio set. Their performance equals that of the most costly phonographs.
- Model 165. Similar to Model 124 except counter balanced tone arm is not included. Retail, $6.17.

**BMS Via-Rad Electric Pick-Up**
- Consists of three parts: a phonograph pickup, a volume control and a radio set. Complete with counter balanced tone arm and volume control. Retail, $7.94.

**Gradieon Electric Pick-Up**
- A high grade electric pick-up that attaches to the arm of any phonograph. It corrects the sound impulses from the record through the radio set by amplifying the electrically produced disc to the set with the aid of a new type of amplifier. It offers true tone values along with volume that will equal that of the most expensive instrument.
- Wt., 3 lbs.
- Retail, $3.95. YOUR PRICE...

**BMS Broadcaster for Home Use**
- New BMS Retractor for AC or DC Sets. Reproduces and re-creates the phonograph record electrically through the radio set and loud speaker. May be installed with any phonograph. All of the best modern electric phonographs and recorders. A.C. and D.C. sets complete with plug, volume control and necessary adapters for A.C. or D.C. sets.
- Retail, $11.76. YOUR PRICE...

**Webster Electric Pick-Up**
- Faithfully reproduces with remarkable volume and clarity all the frequencies that are now recorded on the phonograph records. Chattering or any other objectionable quality is eliminated, due to unique design and light weight. Correct weight is always carried on the needle-sets prevents warping and wear. Changes from radio to electric phonograph without removing detector. Designed for special adapters furnished. Wt., 3 lbs.
- Retail, $10.29. YOUR PRICE...

**NEW AMPLION REVOLVEPHONE**
- 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 in actual proportions. Complete for A.C. and D.C. sets.
- Wt., 3 lbs.
- Retail, $8.82. YOUR PRICE...

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**Price List:**
- **No. 7041.** Retail, $16.50. YOUR PRICE...
- **No. 6259.** Retail, $15.50. YOUR PRICE...
- **No. 6529.** Retail, $15.90. YOUR PRICE...
- **No. 6633.** Retail, $12.00. YOUR PRICE...
- **No. 6534.** Retail, $17.50. YOUR PRICE...
- **No. 6751.** Retail, $11.75. YOUR PRICE...
- **No. 6754.** Retail, $7.50. YOUR PRICE...
THORDARSON POWER AMPLIFIERS

250 Plug-in Power Amplifier and Plate Supply

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 a hybrid type.

Designed for last stage audio amplification in connection with receivers for home demonstration uses and may be used with any of the following types of speakers. The "B" supply also supplies "B" current for TV 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. Dynamite speaker. Price includes use of 8-310A tubes, 1-x-12x1.25 voltage regulator tube. Uses 425 volts on the plate with a grid bias of 80 volts. Uses 2-381 rectifier tubes, 1-voltage regulator tube No. 874 or No. 361, and 1-250 tube.

Also Electric Phonograph Amplifier

May also be used with any standard pickup, phonograph or record player to amplify records and reproductions of any 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-2000; 1-Condenser Block.

List of Parts Required:
2-Type 210; 2-Type 381; 1-Type 574; 1-Type 301.

210 Two Stage Push Pull Power Amplifier and "B" Supply

This is a simple stage power amplifier and plate supply, using 210 tubes. Price includes transformer type 3269 at additional charge of $1.50.

List of Parts:

List of Parts Required:
2-Type 210; 2-Type 381; 1-Type 574.

250 Two Stage Power Amplifier and Plate Supply

The latest 250 Two Stage Push Pull Power Amplifier and "B" supply also supplies the necessary current. Uses one stage of 210's and one stage of 250's in addition to 1-281 rectifier tubes. Tremendous power, wonderful tone quality and should be used with a D. C. Dynamite speaker or other high impedance speaker. Either ac, dc or a.c. or d.c. operation. For Hi-Fi, sound stage; high fidelity, for home demonstration; high fidelity, for radio. May be used with electric phonograph or record player to amplify records and reproductions of any quality for either phonograph or radio. Furnished with diagram for construction. Wt. 50 lbs.

List of Parts:

List of Parts Required:
2-Type 210; 2-Type 381; 1-Type 574; 1-Type 301.

No. 8665. List Price, $150.00. YOUR PRICE...

$3052

Thordarson 210 Power Amplifier and Plate Supply

If your radio set hasn't enough "kick" this is the amplifier for you. This stage amplifies gives you one stage of 210 power amplification with the power of a type 210A tube. Wonderful tonal improvement on your radio set over the entire musical range, particularly on the lower notes. Includes all necessary parts to wire and assemble. Comes complete with diagram. Wt. 35 lbs.

List of Parts:
1-Thordarson Power Coupling Tube, R-210;
1-Thordarson Metal Baseboard, R-211;
1-Thordarson Choke Core, R-2050; R-2045;
1-Thordarson Choke Core, R-2050; R-2045;
1-Thordarson Push-Pull Transformer, T-2019;
1-Type 210 Choke Block; 1-Type 210 Choke Block; 1-Type 210 Power Input Flur, R-153;

Tubes Required: 1-Type 281 or 381, 1-Type 210 or 310, 1-Type 374 or 375.

No. 8666. List Price, $315.00. YOUR PRICE...

$4990

Thordarson 210 Phonograph Amplifier

The remarkable quality of reproduction of the electrical operated phonograph has forced the older mechanically operated machines into total oblivion. One can now convert the old phonograph together with its motor, turntable and all into an up-to-date electrically operated phonograph with this power amplifier and parts kit. By replacing their present speaker with a Dynamite speaker and also using an electric pickup. Operates on 110-120 volt A.C. or 6.0 volt D.C. Use either type 291 or type X201 and type X210. Wonderful tonal quality. Wt. 5 lbs.

List of Parts:
1-Thordarson R-210 Power Coupler, R-210;
1-Thordarson R-210 Power Transformers; 1-210 Condenser Block, 1-Fixed Resistor, 5000 Ohms; 1-Yoke, 200 ohms; 3-Tube; 2-Benjamin Sockets, 1-X201, 1-X210; 1-Type 281 or 381 Tube. R-2065.

Tubes Required: 1-Type 281 or 381, 1-Type 210 or 310, 1-Type 374 or 375.

No. 8550. List Price, $161.25. YOUR PRICE...

$3350
NEW 250 PUSH PULL POWER AMPLIFIER DEALERS' MODEL

THORDARSON

Power Transformers

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 use in large broadcasting purposes. It is a complete studio system designed for either phonograph, radio or microphone reproduction and enables the dealer to make sales talk or personal comments between programs. The tubes are used for microphone tubes in push-pull working at full capacity. Wt., 60 lbs.

LIST OF PARTS

1-Thordarson T-250 Power Supply Transformer.
2-Thordarson 3100 Double Choke Unit.
3-Thordarson R-300 Audio Transformer. (Transformer Microphone Transformer, T-2001 see note)
4-Thordarson 2001 Filament Supply Transformer.
5-Thordarson T-3022 Push-Pull Input Transformer.
6-Thordarson T-3003 Speaker Coupling Transformer.
7-Thordarson R-2008 Resistor Kit.
8-Power 250 type Condenser Block.

Note:-For double-battery microphone use transformer T-3022. For single-battery transformer T-3017. When high-battery speaker is used for microphone use transformer R-300.

Extra charge of $1.00 for R-300 or T-3020.

Thordarson Heavy Duty Power Supply Transformers

Conservatively rated power supply transformers designed primarily to supply A-C current to various combinations of tubes as listed below. The transformers are used with two 281 rec- tifiers for full wave operation. Wt., 14 lbs.

Type 3008


Thordarson Power Compacts

A Power Supply Unit for combined transformer and B-supply may be supplied. Transformer: 110 volt 60 cycle A.C. transformer only. Equipped with six foot cord and plug. List: $8.00. Wt. 5 lbs.

Thordarson Steel Chassis

A special foundation 210 Power Transformer. 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 3/4" L. X 5" W. X 2 1/4" H. List: $5.00. Wt.: 3 1/2 lbs.

Thordarson Heavy Duty Power Supply Transformers

With the new 225 and 300 type of A-C tubes now in popular use, this form of filament supply transformer has been developed to meet the special requirements. There are three sections, each of which is employed providing three stages of amplification for each six 225 tubes, two 281 tubes and the third winding will heat two 5 volt power tubes of the regular type. Dimensions: 4 1/4" X 4 1/4" X 4 1/4" in. Wt., 14 lbs.

Type 3008

No. 7042, List: $11.76. For Kellogg and McCullough A.C. Tubes. Designed for use with Kellogg and McCullough Tubes of the dealer's choice. Capacity is sufficient to supply from one to ten tubes.


For Power Tubes

Transformers for supplying AC current to heat power tubes, generally in push-pull amplifiers.


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 and endorsed by these chokes to serve the purpose efficiently. Each unit contains two 1500 volt, 2% amperes. Cracked blur steel case, compound filled.

Type 3000

This type has rated capacity of 150 Milliamperes. Used in conjunction with the T-2500 power supply or any similar high grade transformer. Wt., 14 lbs.

Thordarson Filament Supply Transformers

For Kellogg and McCullough A.C. Tubes. Designed for use with Kellogg and McCullough Tubes of the dealer's choice. Capacity is sufficient to supply from one to ten tubes.


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., 1/4 oz.


Resistance Kits

A voltage divider kit for use with power amplifiers, using Thordarson R-2100 or similar amplifiers employing 8 tube. Provides divided B-W voltages of 45, 90, 150, 210 volts for 210 tube. This is a handy kit for power supply builders. Wt., 3 lbs.


No. 8860 Total List Price $145.74

YOUR $81.85 PRICE
210-250 Power Pack Kits

250 Power Amplifier

Tremendous

A new super-power amplifying device for any radio receiver. It is resistant to breakage, and extremely adaptable. May be used with any set and used with either B batteries or D eliminators. Use standard 17A tubes in power section. ABB supply for any radio receiver. The new A.B.B. Supply is a complete supply for any radio receiver.

210 Push Pull Power Amplifier

A complete power amplifier consisting of apparatus of the highest quality for operating two 210 power tubes. EXCEEDINGLY EASY TO ASSEMBLE.

Provides an output of any power receiver—C or D. Used effectively as the last audio stage in any set or as an additional push-pull stage following the output of the radio set. When used with a good magnet or dynamic speaker, the tone quality is superior to anything ever before heard.

For Dynamic Magnetic Speakers

Can be used with the new power dynamic speakers of the 210 volt D.C. type. Precision is made whereby the field coil may be excited by this power supply.

PLATE SUPPLY FOR ANY SET

Has sufficient reserve to supply plate current for any multtube set. Plate voltage over 45 and 90 volts. Use 15 amp., 45 volt windings for filament voltage to A.C. tubes if desired. Shipping wt., 2 lbs.

LIST OF PARTS

1—Power supply transformer. 2—1.5 or 6 V.A. rectifiers. 3—Two binding posts. 4—Wiring diagram, screws, wires. $30.00

Naald Truphonic Power Amplifier

Gives perfect undistorted amplification.魏们 any radio set up-to-date. May be installed with any set and used with either B batteries or D eliminators. Use standard 21A4 tubes or power tube. May be used to advantage of operators who suit speaker from in-10 frequency. Entirely eliminates feedback.


YOUR PRICE........... YOUR PRICE.

Browning Drake Shield Grid Booster

Provides a stage of shield grid amplifier exceeding the first radio frequency stage of any receiver. Tremendous amplification of the weakest signal is obtained. Completely built and wired ready to install with any type radio receiver. Wt., 8 lbs.

No. 2147. List, $12.00.

YOUR PRICE........... YOUR PRICE.

Shield Grid Booster

Unassembled kit of parts for Shield Grid Booster.

No. 2148. List, $17.00.

YOUR PRICE........... YOUR PRICE.

Dresner Short Wave Converter Adapter

The short wave adapter may be connected to a standard receiver in a moment's time by anyone. It is so designed as the set for reception of short-wave stations. No extra tubes or batteries are required. When all is made in the radio receiver, does not prevent reception of broadcast music on the usual wave length.

GREAT DISTANCE ON SHORT WAVES

Many long distance stations transmit short wave programs on regular schedules. These may be received on any radio set using this set and wave adapter with good volume and without interference. Then there is the thrill of receiving European stations. Thousands of amateur stations all over the world transmit on short waves all hours of the day. Covers Complete Short Wave Range. Five pieces short wave coils are used. A.B'B or D.C. meters. Coils have phone like a vacuum tube and are interchangeable. Complete in itself, measuring only $5.50. Weight, 5 lbs.

No. 2149. List, $12.50.

YOUR PRICE........... YOUR PRICE.
**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. The SM-680 and S-M 250 tubes, a combination of high power output and high fidelity, are the answer to your need for medium and high voltage power supplies for AM power units to operate K1, 210, or 250 power tubes right in your present set; a power amplifier for portable supplies; and one new amplifier for Unipac supplies and Unipac Power Amplifiers and S-M 210 and 250 tubes, simply in push-pull.

No matter what your set, it must have power, and we have the combination S-M Unipac and Reservoir Power units that give it to you, cheaply, dependably, and at the finest quality, bar none. And for the one who really wants fine reproduction, who wants to hear an orchestra on the radio just as loud and clear as he was in its presence, the Unipac (combined power amplifiers and receiver power supplies) are a vital necessity, for their undistorted power output in 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 sound and treble alike.

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 true push-pull amplifier using a UX210 or UX250 power tube, two WW2 rectifiers and a UX251 voltage regulator tube. It supplies a stage of power amplification and 45, 90, and 135 volts B to the radio receiver. Two units are supplied in UX251-250, exactly like the 681-210, but one UX210 or UX250 amplifier tube, though the same as 681-210 in other respects. Size, 171/2 in. long, 101/2 in. high, 91/4 in. deep.

681-210 Unipac Kit. Push-pull type factory-packed, less tubes. Shipped wt., 62 lbs. No. 1873. List Price...$51.16

681-250 Unipac Kit. Push-pull type factory-packed, less tubes. Shipped wt., 62 lbs. No. 1874. List Price...$59.98

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 pickup, are the finest of their type. Type 682-210 uses one UX210 or UX250 power amplifying tubes and a UX251 voltage-regulating tube. It supplies two stages of power amplification and 45, 90, and 135 volts B to the radio receiver. Two units are supplied in UX251-250, exactly like the 682-210, but one UX210 or UX250 tube in the last stage. Size, 171/2 in. long, 101/2 in. high, 91/4 in. deep.

682-210 Unipac Kit. Push-pull type factory-packed, less tubes. Shipped wt., 69 lbs. No. 1870. List Price...$59.98

682-250 Unipac Kit. Push-pull type factory-packed, less tubes. Shipped wt., 69 lbs. No. 1871. List Price...$59.98

685 Public Address Amplifier

The new SM-685 Public Address Amplifier has been designed especially to meet the demand for a portable light-socket operated power amplifier covering 1,000 watts of power and 1,000 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 output transformer is so arranged that whether it be acting as an audio amplifier or a phonograph pickup, or a single or double button microphone may be used.

685 Unipac Kit, factory-packaged, less tubes. Shipped wt., 74 lbs. No. 1884. List Price...$73.50

685 Wired Unipac Kit, factory-wired and tested, less tubes. Shipped wt., 74 lbs. No. 1885. List Price...$94.08

**Reservoir B and ABC Power Supplies**

The new S-M 670 B and ABC Power Supply Units are unquestionably the highest grade B supply units in the radio field. Replacing the old model B supply in units, they hold their reputation in every way and perform faithfully and satisfactorily, providing a source of power as steady and continuous as the current battery light socket.

**Constant Power**

The new type 680 full wave rectifier is used. The filter system is the famous S-M "brute force" type, insuring freedom from hum. The SM-670 and 670 ABC. The 670 B supplies fixed voltages of 22, 99, 135, and 180 volts and a wide voltage of 22 to 90 volts calibrated at 22, 45, 67, and 90 volts. A total of 60, 000 may be drawn from each. It is the only B power unit with wattage capacity enough for the safe use of screen-grid tubes.

ABC Unit

The 670 ABC Full supplies the same B voltages as 670 B, and in addition provides 15 volts at 4 amperes, 150 volts at 1 ampere, and 110 volts at 3 amperes—enough for four or five 220 tube, type 227 and type 211, or 111, type 225. It is a complete ABC power supply for all AC sets of six or seven tubes. Both models are supplied in either kit or wired form, with a beautiful walnut or brown steel cabinet, 13 in. long, 5 in. high, 18 in. wide, to fit into any radio set cabinet, where desired.

670 B Kit

Factory packed, less tubes. Shipped wt., 62 lbs. No. 1879. List Price...$23.62

670 B Wired Power Supply. Factory wired and tested, less tubes. Shipped wt., 14 lbs. No. 1880. List Price...$25.58

670 ABC Kit. Factory packed, less tubes. Shipped wt., 14 lbs. No. 1881. List Price...$25.29

670 ABC Wired Power Supply. Factory wired and tested, less tubes. Shipped wt., 14 lbs. No. 1882. List Price...$27.05
**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. The new design permits its operating power to be taken either direct from batteries, the A.C. or the D.C. socket. A filament transformer of standard design can be used as a "A" supply for testing A.C. tubes or a battery may be used if desired. A standard type "B" battery is recommended for plate supply.

The service man's tool kit is not complete without a universal tester. The testing of a set builder who desires perfect operation from his receiver will find this tester indispensable. Highly recommended. Price, 1 lb. No. 2551. Model 400 Tube Tester including wire hole for a wide range of tubes, leads. Retail Price, $1.00.

**JEWELL AC-DC TUBE TESTER**

Every conceivable test necessary in checking and testing of radio 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. And B eliminators, batteries, circuits, grid, plate and cathode voltages, plate milliamperes, chargers, line voltages, etc. Readings of 0-4-8-16-40 A.C. volts; 0-5-15-60-200 D.C. volts and 0-15-150 milliamperes. Furnished complete with all necessary instructions. A precision instrument throughout. Retail Price, $71.66.

No. 2564. Type A Set Analyzer with nine meters. Your Price, $20.58.
No. 2565. Type B Set Analyzer with any four meters only. Retail, $13.23.

**STERLING AC VOLTMETER**

A high grade, efficient, detachable A.C. voltmeter for testing A.C. and D.C. current. Indispensable for use where the new A.C. tubes are employed. Will quickly pay for itself in the satisfaction it makes possible. It is of compact design and size, measure only approx. 20 x 1.1/8 in. Man used entirely up to 150 volts. A rugged and accurate instrument. Wt. 3 lbs. Price, $4.41. No. 2077. Retail Price, $4.41. Your Price, $2.21.

**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, and make most of the thorium coated filament type. Quickly pays for itself in improved reception. Wt. 3 lbs. Price, $6.06. No. 4506. Retail Price, $5.93. Your Price, $2.11.

**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. 1 lb. Price, $7.72. No. 2555. Retail Price, $10.56. Your Price, $7.72.

**TUBE CHECKERS and SERVICE TEST SETS**

**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 0-200 volts. Plug into the set socket for testing tubes. Quickly locates defective tubes and automatically identifies poor contacts and shorts. Equipped with a reproduction type voltmeter of 0-1000 milliamperes. Each grade instrument throughout. Wt. 6 lbs. Price, $7.35. No. 2562. Retail Price, $17.50. Your Price, $10.29.

**STERLING AC ATTACHMENT FOR DC TUBE TESTERS**

The Hoyt Model 101 A.C. attachment is a simple and indispensable unit consisting of a heavy brass shunt and a long testing voltmeter responsive to D.C. or A.C. filament current supply. A choice adapter for the D.C. tube testing instrument, included in the set and designed to withstand all mains. It plugs into the set socket. Wt. 6 lbs. Price, $11.03. No. 2562. Retail Price, $18.90. Your special price, $11.03.

**AC-DC Two Meter Tester**

For testing A.C. and D.C. tubes, power tubes, etc. Contains 0-8 high resistance type with bimetal and double range 0-100-500 milliamperes with switch. Two and five prong tube adapters are included. Every dealer should have one on his counter. Wt. 3 lbs. Price, $5.43. No. 2561. Type 212 Tube Tester. Retail Price, $10.00. Your Price, $5.68.

**Two Meter Tester 215**

For testing either A.C. or D.C. tubes. Can be used with either A.C. or D.C. readings and a double scale milliammeter ranging 0-200-1000 milliamperes. Can be plugged directly into A.C. or D.C. set. Ideal instrument for the service man. Wt. 1 lb. Price, $7.35. No. 2562. Type 212 Tube Tester. Retail Price, $12.50. Your Price, $7.35.

**TUBE CHECKERS**

**STERLING AC VOLTMETER**

A high grade, efficient, detachable A.C. voltmeter for testing A.C. and D.C. current. Indispensable for use where the new A.C. tubes are employed. Will quickly pay for itself in the satisfaction it makes possible. It is of compact design and size, measure only approx. 20 x 1.1/8 in. Man used entirely up to 150 volts. A rugged and accurate instrument. Wt. 3 lbs. Price, $4.41. No. 2077. Retail Price, $4.41. Your Price, $2.21.

**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, and make most of the thorium coated filament type. Quickly pays for itself in improved reception. Wt. 3 lbs. Price, $6.06. No. 4506. Retail Price, $5.93. Your Price, $2.11.

**TUBE CHECKERS and SERVICE TEST SETS**

**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 0-200 volts. Plug into the set socket for testing tubes. Quickly locates defective tubes and automatically identifies poor contacts and shorts. Equipped with a reproduction type voltmeter of 0-1000 milliamperes. Each grade instrument throughout. Wt. 6 lbs. Price, $7.35. No. 2562. Retail Price, $17.50. Your Price, $10.29.

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The Hoyt Model 101 A.C. attachment is a simple and indispensable unit consisting of a heavy brass shunt and a long testing voltmeter responsive to D.C. or A.C. filament current supply. A choice adapter for the D.C. tube testing instrument, included in the set and designed to withstand all mains. It plugs into the set socket. Wt. 6 lbs. Price, $11.03. No. 2562. Retail Price, $18.90. Your special price, $11.03.

**AC-DC Two Meter Tester**

For testing A.C. and D.C. tubes, power tubes, etc. Contains 0-8 high resistance type with bimetal and double range 0-100-500 milliamperes with switch. Two and five prong tube adapters are included. Every dealer should have one on his counter. Wt. 3 lbs. Price, $5.43. No. 2561. Type 212 Tube Tester. Retail Price, $10.00. Your Price, $5.68.

**Two Meter Tester 215**

For testing either A.C. or D.C. tubes. Can be used with either A.C. or D.C. readings and a double scale milliammeter ranging 0-200-1000 milliamperes. Can be plugged directly into A.C. or D.C. set. Ideal instrument for the service man. Wt. 1 lb. Price, $7.35. No. 2562. Type 212 Tube Tester. Retail Price, $12.50. Your Price, $7.35.

**TUBE CHECKERS**

**STERLING AC VOLTMETER**

A high grade, efficient, detachable A.C. voltmeter for testing A.C. and D.C. current. Indispensable for use where the new A.C. tubes are employed. Will quickly pay for itself in the satisfaction it makes possible. It is of compact design and size, measure only approx. 20 x 1.1/8 in. Man used entirely up to 150 volts. A rugged and accurate instrument. Wt. 3 lbs. Price, $4.41. No. 2077. Retail Price, $4.41. Your Price, $2.21.

**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, and make most of the thorium coated filament type. Quickly pays for itself in improved reception. Wt. 3 lbs. Price, $6.06. No. 4506. Retail Price, $5.93. Your Price, $2.11.

**TUBE CHECKERS and SERVICE TEST SETS**

**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 0-200 volts. Plug into the set socket for testing tubes. Quickly locates defective tubes and automatically identifies poor contacts and shorts. Equipped with a reproduction type voltmeter of 0-1000 milliamperes. Each grade instrument throughout. Wt. 6 lbs. Price, $7.35. No. 2562. Retail Price, $17.50. Your Price, $10.29.

**STERLING AC ATTACHMENT FOR DC TUBE TESTERS**

The Hoyt Model 101 A.C. attachment is a simple and indispensable unit consisting of a heavy brass shunt and a long testing voltmeter responsive to D.C. or A.C. filament current supply. A choice adapter for the D.C. tube testing instrument, included in the set and designed to withstand all mains. It plugs into the set socket. Wt. 6 lbs. Price, $11.03. No. 2562. Retail Price, $18.90. Your special price, $11.03.
Sterling A.C.-D.C. Tube Tester

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 a combination meter having a plate milliammeter scale 0-15 and emission scale 0-100. Filament scale covers complete range of tubes. Quick set shows whether tube is good, fair or poor, and if low by merely throwing a switch. DC tubes can be reactivated. Measures $3\frac{1}{2}$ x $3\frac{1}{2}$ in. Wt. 12 lbs.

No. 4522. Retail $35.00.

Your Price $20.58

Sterling Tube Tester

Tests all D.C. tubes, including the 121 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.

Retail $25.00.

Your Price $14.70

Sterling Universal Tube and Battery Tester

Tests all D.C. tubes, including the 121 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.

Retail $25.00.

Your Price $14.70

Sterling Tube Tester Professional Model

Checks all types DC tubes, including the 121, 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 UV19 and C299 tubes is supplied. No pothead or C battery is required for testing. Comes complete with instructions. Size, $3\frac{1}{2}$ x $3\frac{1}{2}$ in. Wt. 6 lbs.

Retail $25.00.

Your Price $14.70

Sterling Tube “Short” and Emission Checker

Tube emission checker. Designed to check tubes for “shorts” between “fil-grid” and “plate-fil.” Checks all A.C., D.C. and rectifier tubes. EVERY SERVICE MAN SHOULD CARRY ONE. Shows emission on type 240 and 227 AC tubes as well as 199 and 150 tubes. Shows “shorts” but not emission for 2911, 390A, and other rectifier tubes, including Raytheon. Measures only 3$\frac{1}{4}$ x 1 in.

No. 4523. Retail Price, $13.50.

Your Price $7.94

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 Millimeter 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. 3 lbs.

Retail $4.50.

No. 4524. For all 5 tube testers.

No. 4525. For all 3 tube testers.

Your Price $1.76

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 in series and will rejuvenate all of the tubes in the set at one time. Keep Your Tubes At Peak Efficiency.

Retail $2.05

No. 4501. Type 275. Retail. $1.50.

Your Price $1.91

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 tests is taken direct from A.C. line. Includes checks on filament and plate, and prurification of rectified tube repairs for any tube having thorium or silvered filament. Mounted in an attractive carrying box.

Your Price $19.11

No. 4521. Retail $17.50.

Sterling R-411 “Home” Tube Tester

For testing all large tubes including 300A, 112 and 117 types. By removing tube and inserting tester, the receiver rhog. will indicate the meter to the plate point. By pressing button the indicator will show whether tube is good, fair or poor. Direct reading computations. Price quoted.

Retail $4.50.

No. 4503. Retail $3.50.

Your Price $2.65

Jefferson A.C. Tube Checker

Equipped with meter. Four and five prong sockets, rheostat, and push buttons. Checks all A.C. tubes. Full instructions included. Measures 5$\frac{1}{2}$ x 2$\frac{1}{4}$ in. Wt. 2 lbs.

Retail $2.50.

No. 4504. Retail $1.50.

Your Price $5.88

Table of Prices

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<thead>
<tr>
<th>Item Description</th>
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<tr>
<td>Universal Tube and Battery Tester</td>
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<td>Tube “Short” and Emission Checker</td>
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<td>Home Tube Tester</td>
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<td>Rejuvenator</td>
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<tr>
<td>Yankee Test Set</td>
<td>$19.11</td>
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### Voltmeters - Milliammeters - 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 shunted and series test. Each instrument is hand calibrated and is accurate. For ordinary voltages, of the type which will not damage the voltmeter. Serves all purposes.

<table>
<thead>
<tr>
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<tr>
<td>No. 2068</td>
<td>YOUR PRICE</td>
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#### Jewell PinJack Meter No. 135A
A high grade D.C. voltmeter, reading 0-6 volts, equipped with pin jacks for plugging into sets such as the Radola and other sets equipped with leads for this type meter. A precision unit that tells exactly what your tubes are receiving. Highly recommended. Wt. 1 oz. Retail, $7.50.

<table>
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<td>No. 2054</td>
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#### Jewell Meter Pattern No. 57
A high grade portable D.C. voltmeter designed for general use in testing batteries, circuits and for laboratory work. An accurately calibrated dial with shatter proof numerals, providing readings of 0-8 and 0-200 volts, complete with leads. Wt. 6 lbs.

<table>
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#### Jewell AC Line Tester
A compact, specially designed for checking the line voltage on A.C. sets when plugged into any electric light socket or outlet. Scale reads 0-150 volts. Tells if line voltage is constant. A real value. Wt. 1½ lbs.

<table>
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<th>Model</th>
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<tr>
<td>No. 2150</td>
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#### Beede AC Line Tester
A high grade high resistance type voltmeter for checking eliminators, power units, etc. The resistance is about three times that of an ordinary voltmeter while the current draw is very low. Quickly calibrated for itself in improvised resistance. Range 0-300 volts D.C. Wt. 1½ lbs.

<table>
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#### Sterling Panel Meter

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<td>No. 2064</td>
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#### Beede AC Panel Meter
A special type A.C. panel meter, designed for the new A.C. kit sets. Suits all requirements of the new Ac. kit sets. Serves as a test meter at all times of the tube voltage. Wt. ¼ oz.

<table>
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#### Beede Swivel Jack Meter
A virtual jack type meter for Radola, Victor and Britwick Superheats. Serves as a test meter for variations in spacing. Wt. 7 oz.

<table>
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<th>Model</th>
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<tr>
<td>No. 2165</td>
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#### Hoyt Radio Rotary Meter
Combines five scale ranges necessary in testing sets, tubes and accessories. 0-20-100 Volts D.C. Complete with flexible leads. 4½x2½x½ in. Highly recommended. Wt. 6 lbs.

<table>
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<th>Model</th>
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<tbody>
<tr>
<td>No. 2078</td>
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#### 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 0.75 volts, and a high voltage test meter with 0-150 volt range and a grid bias meter with 0-50 volt range. Complete and accurate test kit. Fits at a reasonable price. Wt. 6 lbs.

<table>
<thead>
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<th>Model</th>
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*Note: Prices and specifications are subject to change. Please refer to the latest catalog for current information.*
AC and DC Panel and Portable Meters

Hoyt A. C. Panel Meters Type 526


Hoyt A. C. Panel Meters Type 516

A portable type A.C. meter offering scale range from 0 to 150 volts. Designed especially for testing A.C. line voltages. This unit employs the standard type 516 meter attractively housed in a highly finished white-line case with necessary binding volt. Wt. 1/2 lb. No. 2184. Retail Price $3.16.

Hoyt A. C. Pocket Meters Type 550

The usual 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 white-line case and can be placed along the service and radio repair man. Wt., 1 lb. No. 2181. Retail Price $2.20.

Hoyt D. C. Panel Meters Type 548

A standard type D.C. panel meter with a 2 in. back rim. Exactly calibrated and dependable. These meters are accurately balanced so that over all black with 500 miliamperes making them easy to read under all conditions. Wt. 1 lb. No. 2186. Range 0-150. No. 2187. Range 0-300. Wt. 1 lb. Retail Price $1.65.

Hoyt A. C. and D. C. Pocket Meters

Attractively designed pocket meters that adapt themselves to all types of A.C. and D.C. work. Complete in leather case. Wt. 4 oz. No. 2190. Type 547. Scale range 0-3. No. 2191. Type 547. Scale range 120. Retail Price $8.08.

Beebe Socket Test Meters

Beebe Socket Test Meters are unique in design, being so constructed that they fit into the standard UX and UX 2-ohm test sockets, giving accurate B eliminator output readings to two scale of 0-50 and 0-250 volts. A pair of leads are provided. A precision instrument that gives accurate results. Wt., 6 oz. No. 2143. Retail $18.37.

Jewell Portable Meter Type 116

An exceptionally high grade portable testing meter. Uses only 1/4 M.A. draw for full scale readings. Resistance of 1,500 ohms per volt gives accurate B eliminator output readings. Wt., 6 oz. No. 2194. Retail $25.00.

Jewell A. C. Panel Meters Type 5973

A 1/2 in. flush type A.C. instrument designed for panel mounting. Accurately calibrated. Wt. 1 1/4 oz. No. 2198. 0-50. No. 2199. 0-100. No. 2200. 0-200. Wt., 1 1/2 lb. Retail, $5.50.

Jewell Panel Cutters

Special case hardened cutters for bakelite or wood. Fits standard 3/4 in. cutters. Quickly and easily cuts holes for panel mounting meters, etc. Wt. 8 oz. No. 2060. 2-1/2 in. size. No. 2061. 14 in. size. No. 2062. 1-1/2 in. size. Retail each, $1.25.
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 LABORATORY SUPER HETERODYNE

The 1929 Screen Grid Nine Tube Laboratory only two tuning controls for a total of five superheterodyne giving positive 10 K.C. selectivity, 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 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 detector tube, an oscillator, tuned by the second vernier drum dial and a single condenser, two stages of sharply tuned 6 K.C. intermediate amplification, a second detector and one audio stage using the new Clough audio system.

The tuned R.F. and oscillator, both detectors and I.F. amplifiers 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. receiver, yet they only precede 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 50 K.C. intermediate amplification, the 1929 Laboratory Receiver is the most sensitive and selective superheterodyne that can be built, yet its parts cost only $95.20.

A Beautiful Receiver

A 10 kw. 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 UX125 (CX322) tubes, two UX101A (CXC312A) tubes, and UX112A (CXC311A) tube. Any six volt A.C. power unit with 200 A.C. and 400 D.C. will do. Any four stage amplifier and the 8-M 681-250 Unitor or the 681-210 push-pull Uniter, 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

The Superheterodyne that made all these possible. In the history of super receivers none has drawn more attention of custom set builders than the S-M-1929 Silver Lab. Super. In performance, 10 K.C. selectivity, range of reception it outclasses by far any preceding super McMurdo Silver has ever designed. The latest Screen Grid shielded feature gives a tremendous amplification over stage. There is a lack of bothersome harmonics. THIS IS THE ULTIMATE RECEIVER CONSTRUCTION.

No. 1088—S-M 700 $5.44
Shielding Cabinet for the 1929 Super. Wt., 17 lbs. List $9.25

The 1929 S-M Feature Super
710 Sargent Rayment

Screen Grid
A Station Every 10 Kilocycles

A STATION tuned in for every ten kilocycles—an average of one hundred stations heard in one station. 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 receiver. The thick aluminum shielding a chassis, beautifully finished, gives it a truly professional appearance—decidedly not 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 backboned with individual nullifiers. There are no other controls. Following the R.F. amplifier and detector are the A.F. amplifiers, using the famous S-M 250 audio transformers which provide unequalled tone quality and high volume. A 221 power tube can be used, or with S-M 875, A.C. power supply, a UX210 or UX250 is used in the last audio stage. Light boilers are used either in standard 1 or 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. 27¾x12¾x8¾ in. Included in S-M 710 Kit. Shipping weight 12 lbs. No. 1009. List Price $27.00. NET $15.88

New S-M 140 Universal Coil

A coil universal in application as an antenna coil, detector, transformer, regenerative coil or any purpose. Used in 710 receiver, 190 to 950 meters with .00053 condenser. 2¾x2¾ in. Wt., 8 oz. No. 1102. List Price $1.76.

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 the diagrams and working drawings.

No. 1101. List, 50c. NET $2.96

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 $115.00. NET $102.99

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 super-sensitive 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 1 UX201A tubes and 1 UX171 power tubes.

List of Parts

1 Van Doorn Panel and Chassis Unit placed with tube, $8.50; 1 Carter, .0005 cond. with clips, 50c; 1 Carter M502 Potentiometer, 75c; 2 Tobe ½ mf. cond. at 75c, $1.50; 1 Carter 3 ohm Rheostat, 50c; 4 Carter No. 10 tnp jacks @ 10c; 1 Carrier<br>Button Switch, No. 2 imp, 50c; 1 Tube<br>Grid Leak, 50c; 4 8-SM No. 511 tube sockets @ 50c. $2.00; 2 8-SM 220 Audio Trans. @ $8.00. $16.00; 2 8-SM 805 Volume Drum Dial, 50c; 1 8-SM 125 MP meter, 50c; 1 8-SM 342 Condenser, 50c; 1 8-SM 400 line signal amplifier, $3.00; 2 8-SM 51s coil sockets @ $1.00. $2.00; 2 8-SM 111A coils @ $.25. $5.00; 9 8-L Binding Post @ 75c. $1.35; 2 8-SM 320-00035 mf. Cond. @ $3.25. $6.50. Wt., 45 lbs.

No. 8800. Without oscillator and first detector shield price. List Price $52.60. NET $54.95

No. 8801. With oscillator and first detector shield price. List Price $59.45. NET $63.95

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 set for the furniture buyer—for every dollar of value it is radio value.

A Thing of Beauty

The satin-finished aluminum cabinet trimmed with black name plates, 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—UX222 screen grid R.F. amplifiers, 2—UX122A detector and first stage audio tubes, and 1—UX171A power tube. If desired a UX216 or a UX250 power tube may be used in the last audio stage if the proper B power is supplied. For newer tubes batteries or any condenser and B battery eliminator may be used. The S-M700B 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 $102.99
Universal All-Wave Tuners Series 640

640 Universal Tuner Essential Kit
Contains essential parts for RF circuits—two tuning condensers, two coils, two tubes, and one RF choke. Shipping wt. 4 lbs. No. 7090. List Price $94.1

642 Two Tube Tuner Kit
A 2-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 40, Complete factory packed kit. Shipping wt. 11 lbs. No. 7091. List Price $17.39

642 AC Two Tube Tuner Kit
Same as above, but for AC tubes. 2 UX327 heater-type being necessary. Complete factory packed kit. Shipping wt. 12 lbs. No. 7092. List Price $19.55

644 Four Tube Tuner Kit
For use with 1½, 3, or 5 volt battery operated tubes. A fine complete four tube kit when built from this factory packed kit. Shipping wt. 16 lbs. No. 7093. List Price $25.14

644 AC Four Tube Kit
Same as above, but for use with 2-227 1-258 and 1-171 or 210 tubes with B-M Power kit. Complete factory packed kit. Shipping wt. 29 lbs. No. 7094. List Price $31.75

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. Shipping wt. 15½ lbs. No. 7095. List Price $27.93

678 P Phonograph Amplifier

The New S-M 678P Phonograph Amplifier replaces the former type 678 Unlack 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 stage type.

The unit consists of a two stage power amplifier with self-contained power supply, using 1-236 and 1-218 or 655 type tube in conjunction with the new S-M 65 and 236 audio transformers. The 678P Unlack employs 1 UX236 (CX330), 1 UX150 (CX330) or UX150 (CX330) and 1 UX236 (CX318) 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. Shipping wt. 36 lbs.

No. 1587. 678P Unlack Amplifier for standard speakers. List $54.00. Net... No. 1588. 678P-T Unlack Amplifier for field excitation. List Price $15.00. Net...

675 Hivolt Power Supply

The 675 Hivolt power supply allows the use of a 210 or 250 volt super power tube in the last stage of any set, and in greatly to its tone quality and power capacity. Or the 675 ABC can be used for any AC tube set.

Uses 1 UX238 (CX318) and supplies 22, variable 46 to 94, 135 and 455 volts B, and 1½, 2½ and 7½ volts AC for power-tube filamenta, 3½ volts 0C for the 210 or 81 volts for a 250, 17X343 ½ in.

No. 1590. 675 Hivolt Kit. Ship. wt. 28 lbs. List Price $54.00. Net...

No. 1591. 675 Wired Hivolt Kit. 675. Ship. wt. 28 lbs. List Price $58.00. Net...

676 Dynamic Speaker Amplifier

The 675 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 UX230 super-power tube is used to insure large power handling capacity. Brings out every note of their true tone quality, when added to any set with a dynamic speaker. The amplifier contains its own power supply using 1 UX231 type tube. It is used with any standard 90 to 220 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 a attractive metal case same as the 675 power supply, described at the left. Shipping wt. 28 lbs.

No. 1592. 675 Amplifier Kit. List Price $28.81

No. 1593. 675 Amplifier Kit. List Price $28.81

No. 1594. 675 Amplifier Kit. List Price $32.34

NET...
To the thousands of fans for whom the four tube R.F. amplifier receiver is a stay-in-the-stage audio circuit, this 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 blankets, and preamplifiers ready-made, take cisiveness and grams only.

The Coast-to-Coast Four

Its story is told in its name—the Coast to Coast Four. In summer-time tests, through Chicago, Santa Fe, and Los Angeles stations, and the loudspeaker, cutting through interference to distant programs only 10 and 15 or 20 Ke. As a whole, with delicacy and ease. Its tone quality is wonderful. It will take 210 or 500 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 cabinet finished in a rich and beautiful two-tone crystaline 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 you build or buy, the 740 Coast to Coast Four is the best value you can find at its price. Assembled easily and simply, operates with a vengeance, and for the professional set builder provides a low-priced set that will outperform all 6 tube one-dial receiver sets at twice its price.

Requires 1-UX222, 1-UX201A or UX-12A detector and first stage amplifier and 1-TX271 power tube (UX310 or UX294 power tube can be used with S-M 675 A.B.C. power units).

No. 8895. 740 Coast to Coast Kit complete factory packed less cabinet. Ship. wt. 13 lbs. List Price, $51.00. NET.

No. 8896. 740 AC Coast to Coast Kit for use with Clough or other Independent AC Screen Grid Tubes, and S-M 620 A.B.C. or 675 A.B.C. power units. Complete factory packed, less cabinet. Ship. wt., 15 lbs. List Price, $55.00. NET.

$29.99

$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 that never is? Down on those low waves are the foreign broadcasters—English 5SW with Colonial programs, Dutch, French, German and other re-broadcast programs. Down there you'll find KDKA, WJZ, and WSB. Try it, all wave rebroadcast that you can get on List A. 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.

Round the World Four

A complete 4-tube short wave receiver kit with an aluminum shielding cabinet. It has 1 screen grid R.F. stage, a regenerative, non-radiating detector and 2 high gain Clough audio stages. Tuned from 13.4 to 214 meters with four 131-A type plug-in coils. Brings in five continents in an ordinary tuning.

Round the World Adapter

This is the 2-tube R.F. amplifier and detector less the 2 stage A.F. amplifier of the above kit, with an adapter plug. It converts any set at all long-distance short wave reception. Ideal for television reception.

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 2, 3, or 4-tube short wave set.

Round the World Four Kit

Complete, factory packed with cabinet. Ship. wt., 11 lbs.

No. 8897. List Price, $51.00. NET.

Round the World Four Adapter

Complete, factory packed kit with cabinet. Ship. wt., 8 lbs.

No. 8898. List Price, $36.00. NET.

Round the World Essential Kit

Complete, factory packed kit described above. Ship. wt., 4 lbs.

No. 1060. List Price, $16.50. NET.

Midget Plug-In Coils

Cell forms for any 5 prong socket. Wire frame 1 1/2" long by 3/8" in., Glenn. A slab at bottom. Wt. 8 oz. each.

No. 1001. 130-P Cell—Form—smooth

List 65c. NET

38c

1002. 130-T Cell—Form—60/8 threads

List 65c. NET

38c

1003. 131-T Cell, 17.4 to 321 meters

with .0011 mf cond. List $1.25. NET

74c

1004. 131-R Cell 21 to 58 meters

with .0007 mf cond. List $1.25. NET

74c

1005. 131-H Cell 57 to 115 meters

with .0007 mf cond. List $1.25. NET

74c

1006. 131-W Cell 104 to 204 meters

with .0007 mf cond. List $1.25. NET

74c

1007. 132-A, 184 to 500 meters

List $1.25. NET

74c

1008. 132-B Cell—R.F. trans. for

1929 Laboratory Set. List $1.25. NET

74c

1009. 132-C Cell—Oscillator for 1929

Laboratory Set. List $1.25. NET

74c
New S-M Audios
Just Two Years in Advance

No matter what kind of set you have or what kind you want, these new S-M transformers (audio) will give you greater amplification, more fidelity, and a higher quality you've never heard before, and greater "punch" and volume. They are the new audio transformers to give freedom from the hysteric 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 steps ahead of the best—yet you can have this finest performance for very little cost. If you install it in your present set, at less than average transformer costs.

223 Hi-Mu Audio
No. 951. For use between UX223 first stage screen grid tube, your choice connection, and any standard power tube. Average voltage gain of 32 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 stage audio, flat curve up to 7,000 cycles with greater amplification at 5,000 cycles. Effective voltage gain of 3.5 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 stage and has voltage gain of 3.5 to 1. Sharp cut-off between 5,000 and 1,000 cycles. Wt., 4 lbs. List Price $9.00. Net $5.29

251 Output Transformer
No. 954. A combination output unit to match all standard power tube and filament transformer—new standard of performance to any amplifier with 110 or 220 volt, 4 tube, Wt., 4 lbs. List Price $6.00. Net $3.53

255 First Stage Audio
No. 955. Used between detector and first audio stage which provides high and low cut-in between 150 and 300 cycles and is a perfectly flat characteristic to 8,000 cycles. Effective ratio 4.5 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 555 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 other single wound transformers are more popular than ever and provide better performance. They need no introduction to the audio 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 1 to 3,000 cycles. Sharp cut-off above 5,000 cycles. Overall ratio of 3 to 1. Wt., 4 lbs. 6 oz. List Price, $8.00. Net $4.71

221 Output Transformer
No. 1064. For use between speaker and power tube in any radio receiver to prevent blasting and damage in speaker, and to improve reproduction. Ratio: 1 to 2.25. Wt., 4 lbs. 4 oz. List Price $13.00. Net $7.19

222 Output Transformer
No. 1066. Same as No. 221 except tube plug with accordion lip jack and a foot cord. Shpg. wt., 4 lbs. 6 oz. List Price, $8.00. Net $4.71

230 Push-Pull Input Transformer
No. 1054. For use in high grade push-pull amplifiers. Transformer with ratio of 1 to 3 and 3 to 1. Frequency characteristics same as 220. Shpg. wt., 1 lb. 10 oz. List Price $10.00. Net $6.88

231 Push-Pull Output Transformer
No. 1053. For use with No. 230 in push-pull circuit as a variable ratio output transformer to match either 113 or 213, or 171 and 250 tube. Shpg. wt., 4 lbs. 6 oz. List Price $14.00. Net $8.58

242 Microphone Transformer
No. 967. For use as either single or double-bulb microphones. Transformer to power amplifiers. Two primaries and one secondary. Shpg. wt., 3 lbs. List Price, $10.00. Net $6.14

247 Filament Transformer
No. 958. For use in heating A.C. tube filaments. Supplies 1.5 volts at 2 amps; 2.5 volts at 1.5 amps and 5 volts at 1 amp. Ideal for use with A.C. harnesses. Shpg. wt., 4 lbs. List Price $5.00. Net $2.94

327 Power Transformer
No. 960. A heavy duty transformer for 221 half-wave or 220 full-wave rectifiers. Has two 250 volt; two 71 volt, 3% amp., and one 21 volt, 5 amp. secondaries. For 110 volts, 60 cycle A.C. only. Shpg. wt., 3 lbs. 10 oz. List Price $15.00. Net $8.82

328 Power Transformer
No. 961. A heavy duty transformer for 221, two 250 volt, 125 M.A.; two 71 volt, 2% amp. secondaries. Furnishes ample current for all types of components. For 110 volts, 60 cycle A.C. only. Shpg. wt., 3 lbs. 10 oz. List Price $20.00. Net $11.76

329 Power Transformer
No. 1063. For gaseous or filament type rectifiers. Has two 200 volt and one 100 volt, 2% amp. secondaries. For 110 volt, 60 cycle A.C. only. Equipped with gaseous or filament rectifiers. Shpg. wt., 4 lbs. 14 oz. List Price $9.00. Net $5.29

330 Power Transformer
No. 1062. For gaseous or filament type rectifiers. Has two 275 volt, 125 M.A.; one 5 volt, 1 amp.; one 21 volt, 6 amp.; and one 25 volt, 6 amp. secondaries. Complete with cord and plug. Shpg. wt., 5 lbs. List Price $11.00. Net $6.47

331 Unichoke

Silver Marshall Transformers

When the bewildering story of the radically new S-M Clough-system audio transformers burst upon the 1928 Radio Trade Show at Chicago, it caused incredible wiseraces 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.
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.

323 Three Gang Condenser
A three unit pipe condenser, the most accurate ever made. Fully equipped with an individual comparator and shielded from outside effects. Each unit .00005 mfd outstanding features. Up to 60% over half of scale. Ship wt., 3 lbs. $7.94

320-R Universal Condenser
A single .00005 mfd. variable condenser, truly universal, with full floating range and with a capacity of 9 mm. each unit. Capacity each unit .00005 mfd. All units guaranteed to match within 1% over upper half of scale, or to 1 mfd. over lower half of scale. Ship wt., 3 lbs. $13.50.

321 Variable Condenser
Same as 320-R, except capacity is .00009 mfd. Ship wt., 6 oz. $4.00.

340 Midget Condenser

342 Midget Condenser
Same as 340 except capacity is .00010. Ship wt., 6 oz. $1.75.

635 Stage Shield
An unusual compact copper shield, 5/16 in. long, by 5/8 in. high, in. wide, with plated bottom and removable sides. Accommodates any type of tube with any B-M long cells, plus resistors and by-pass condensers. Ideal shield for all R-F stages. Ship wt., 1 oz. $1.00.

631-A Stage Shield
A slotted and plated aluminum shield with removable plate, 5/5 in. long, 1/2 in. wide. Bottom plate slides out for testing, condenser, chokes, and loads. An ideal shield. Ship wt., 11 oz. $1.00.

854 Sub-Panel Brackets
Cadmium plated steel sub-panel brackets, 6 in. long, 1/4 in. high, and 1/4 in. wide, with screws and nuts. Ship wt., 4 oz. $4.10.

868 Hook-Up Wire
The popular No. 20 tinned copper, fabric covered hook-up wire. You've got to try foot coils. Ship wt., 3 oz. List Pce. $0.50.

Jewelers' Time Signal Amplifiers
Famous M. I. T. M. signal amplifiers are now available on stage and detector.

LONG WAVE TRANSFORMERS
The famous B-SM 210 and 211 transformers have enjoyed a loyalized reputation and are known the world over. Enshrouded in black bakelite case with built-in binding posts. They may be used with UX199, UX198A, or UX222 screen grid transformers which they are ideal.

210 Long Wave Transformers
No. 1097 iron-cored type amplifiers in 60-65 H. T. C. These transformers are supplied of frequency from 50 to 70 K.C. Ship. wt., 2 oz. $3.50.

211 Long Wave Transformers
No. 1103 iron-cored type amplifiers in 60-65 H. T. C. These transformers are supplied of frequency from 0.9 to 10 K.C. Ship. wt., 2 oz. $3.50.

S-M Plug-In Coils
R-SM Plug-In coils have held the three-pole position of leadership. Ribbed molded bakelite forms, molded windings and low losses make them the most efficient coils known today. They are made in the ranges for all wire bands from 30 to 3,000 meters and are for use with a .00035 mfd. coil. Ship wt., 0.08 oz. $1.75.

868 Hook-Up Wire
The popular No. 20 tinned copper, fabric covered hook-up wire. You've got to try foot coils. Ship wt., 3 oz. List Pce. $0.50.
NEVER before in the history of radio has there been a receiver design so completely fulfilling the requirements of the custom-set builder as to the famous S-M 630 SG Shielded Grid Six.

**Screen Grid Tubes Successful**

Essentially the new S-M 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 1927. 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 frequency audio frequency amplification, with powerful output tube—12F, 12L, 21B, or 650 tube 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 chokes operating one single condenser and one "three gang" die-cast bow-type condenser of unusual accuracy and rigidity. Ganging troubles are forever eliminated. The new S-M 110 Universal coil is used in the antenna stage providing greater antenna selectivity than in any other set. The second and third R.F. stages are pre-tuned by the compensated gang condenser and are individually shielded in separate copper stage shields. The new S-M 255 and 256 A.F. transformers provide for the layout of ordinary audio and in addition give the set unequalled fidelity of tone.

**Astonishing Performance**

No selector is the S-M 720 Screen Grid Six that, operated in the heart of Chicago, within one or three miles of powerful local stations, it brought in out-of-town stations only one dial division (9 1/2 K.) away from local. On a short antenna it has brought in consistently, both East and West Coast stations on warm summer evenings. Think of it: Left Chicago with Chicago through WCFL, (a very powerful local, one mile away) on a hot summer night; WCFL received through three miles away! The set lost positively and cannot get out of range. 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 720 metal cabinet, finished in two-tone moire finish metal cabinet with high-lighted panel, it will blend in with any surroundings. The metal cabinet provides 100 per cent shielding, augmenting the selectivity of the receiver.

**700 Shielding Cabinet**

Two-tone moire finish metal cabinet, with high-lighted panels. Fully platted and provided with ventilating louvres. Size: 21 1/2 in. long, 18 in. wide and 15 in. high. Complete, with walnut base molding. Ship wt., 17 lbs. No. 1058. List Price, $5.25. NET.

**701 Universal Chassis**

Steel chassis for new S-M circuits, formed, pierced and enameled. Size: 21 1/2 in. long, 18 in. wide and 15 in. high. Complete, assembly. List Price, $3.00. No. 1010. List Price, $3.00. NET.

**702 Wood Chassis**


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**720 Screen Grid Kit**

Complete, factory packed, as described above, less tubes, requires 3 UX208 (CX2821), 1 UX201A (CX2804) & 1 UX215A (CX312) and 1 UX171A (CX321). Wires and fittings included. Price $1.50. 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. No. 8899. List Price, $162.00. NET.

**708 Ten Lead Battery Cable**

A ten-lead coded cable, fabric covered with tinned braid, 7/16 in. thick, fits 720 cabinet. Wt., 2 lbs. 11 oz. No. 1012. List Price, $1.75. NET.

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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 3000 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 hysteresis 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 time 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 $2.00 list, far better than any factory-built set and far lower in price!
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 turntable. 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.
List, $13.50.
YOUR PRICE... $6.75

Symphonic Cone

New Design

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 lb. free edge cone reproducer.

NEW DESIGN

VOLUME

The metal stand with artistic leaf design is finished in a soft harmonious shade. The cone is of beautiful leatherette parchment paper.

Built to deliver enormous volume. The new power unit is adjustable for any tone receiving set. See Page 53. Weight, 5 lbs.
List, $8.50.
YOUR PRICE... $3.35

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 Craftsmen

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
List, $50.00.
No. 8452. See page 34.
YOUR PRICE... $13.95

Two Rate Charger

Trickle and 1 Amp. Charging Rate

Can be used either as a trickle charger with a relay or as a high rate full 2-ampere 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... $4.95
Ship. wt., 5 lbs.

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 low price for your profit. Wt. 2 lbs.
No. 6858. List, $8.00.
YOUR PRICE... $1.69

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

No. 8594. List, $22.50.
YOUR PRICE... $12.78

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 speaker through apron of the front apron of the table affording an excellent baffle for either type.

No. 9200. Walnut, without speaker, Wt., 50 lbs.
YOUR PRICE... $10.45

No. 9246. Walnut, with 110 v. A. C. Dynamic, Wt. 70 lbs.
YOUR PRICE... $32.15

Finished in colors also—Chinese Red, Green, Ivory. See page 23.
Shielded Chassis

$55.00 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

Constituted 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 special 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 throttled 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.

The Answer to "What Radio Shall I Buy?"
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 tremendous volume. Its remarkable distance range and selectivity enable 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

$59.50

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. 9926. Chinese Red with red table.
No. 9929. Chinese Green with green table.
Retail list, $160.00.
YOUR PRICE

$77.00

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. 9927. Chinese Red.
No. 9930. Chinese Green.
Retail list, $195.00.
YOUR PRICE

$76.75

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 practicality any setting. Cabinet measures 19 in. by 14 in. by 9½ in. Designed for operation on 105-120-volt, 50-60-cycle A-C operation.
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 burl 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 naturality, 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 burl 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 46½ 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 over-all 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...

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...

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 Y226 A-C tubes, 1 type Y227 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. 9938. Retail list, $210.00. YOUR PRICE...

COMPLETE SET 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...

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...
THE EDINBURGH AE 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 electric light socket for its power. Employ 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 established 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 sturdy constructed, yet a beautiful 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 MINI-TUBE MAZDA 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; southeast Asia are inimitable settings.

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 gives it perfect reception under the most trying conditions. A complete description of the remarkable design will be found on Page 74.

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 offers 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.

YOUR PRICE $104.75

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 weight, 155 lbs. No. 9835. Retail list, $260.00.

YOUR PRICE $122.00
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 constructional details have been carefully worked out, imparting unusual beauty and a substantial air that makes it good for years of service. It is finished in a beautiful hand-rubbed finish which will not mar. The attractive rosewood twisted legs, securely braced with an attractive cross stretcher add a finishing touch to the overall beauty of the La Salle Console.

SWIRLED ENGLISH OAK DOORS
NEW DISAPPEARING DESIGN

The beautiful faces of the La Salle Console are of genuine 5-ply veneer, faced with an attractive swirled English Oak. The exquisite, well-oiled grain of this wood is retained in all its beauty in the finish of the La Salle Console. The attractive, carved moldings which go all the way around the sides of the cabinet. This carving is of construction so far more expensive than a pressed molding, but the result is far more exquisite.

MARVELOUS TONE QUALITY

In the old days of radio, the ability of a receiver to pick-up distant stations was foremost—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 are rendered with such brilliance, such timbre, that one might himself in that one room, the largest Concert Hall listening to the original rendition. Operates on 105-120 volt, 50-60 cycle, A-C current.

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-station 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 157. 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. Shipped with 145 lbs. No. 9915. Retail list, $220.00. YOUR PRICE...

$111.95

SET ONLY WITH DYNAMIC CONE

Equipped with a genuine Farrand Dynamic Cone Power Speaker, the famous La Salle 10/11 Knight A-C receiver proclaims itself 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 157. 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...

$199.95

PUSH PULL POWER
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 bass 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 supplied with A-C Tubes whose filaments are heated by raw A-C Current, entirely doing away with batteries. Its simple structure makes it easily replaceable. The amplifier part of the sub-chassis, and provides a wide safety factor, assuring freedom from breakdowns. It is equipped with a High-Low Switch enabling 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 with separate filament windings, permitting complete isolation between the various functions of the receiver. Operates on 185-210 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 localities. 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 panels 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 Brass lattice plates are finished in a Chinese 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 included. 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., 160 lbs. No. 9916. Retail list, $285.00. YOUR PRICE

$129 20

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, $295.00. YOUR PRICE

$143 20

SUPER TONE QUALITY
THE real lover of music and radio will find his ideal in this remarkable phonograph combination. It is the product of a trained corps of skilled radio engineers who have combined the latest engineering and manufacturing methods with the finest reproducing efficiency and audio sensitivities. The result is a sensation in the history of radio apparatus that finds its culmination in the Knight 8/9 A-C All-Electric Receiver.

EMPLOYING a total of 9 tubes in the radio receiver, the Knight 8/9 A-C All-Electric Receiver provides unusual sensitivity, insuring extreme distance range and selectivity. This type of arrangement permits unusually fine tuning, with the attraction of illuminated drum dial, station after station will come in with surprising ease.

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 finest order. The receiver chassis is die formed in one piece of lightweight, heavy-gauge metal, and the heavy three-gang condenser is of the new bath-tub type, with aluminum or brass cast frame. The radio frequency coils are of low loss design, being made of enamelled 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.

New R A D I O - P H O N E

$189

A SENSATION

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 oversize 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.
Radio enthusiast who is satisfied with nothing short of the finest
markable radio-phonograph combination. If offers you every-
thing that you desire: a combination receiver-and phonograph
that stamps it as one of the leading instruments of the
highest priced receivers—or electrical reproducing phonographs.
It was designed by engineers, whose years of experience in the design and construction
of electrical equipment, is known throughout the radio industry.

COMPARABLE TO THE HIGHEST
PRICED ELECTRIC PHONOGRAPHES

The remarkable tone quality and volume made possible
through electrical reproduction of talking machine rec-
ords is offered you in all its overwhelming quality in this
combination receiver. Power amplification employing two
power tubes in a push-pull arrangement assures tremen-
dous 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.

TUBE FOR TONE—VOLUME—POWER!

Power Amplification

If you desire, it offers you a tremendous
volume of power amplification. The radio receiver is
designed to give you the greatest volume of sound
that is possible in any reproduction instrument. The
receiver when switching enters its
receiver in phonograph reproduction
will prove a delight to its proud
owner. It is capable of tre-

Gorgeous WALNUT CONSOLE

The console is constructed of selected genuine walnut picked for the beauty
of its grain. The doors are faced with finely matched butt walnut attractively over-

BEAUTIFULLY MATCHED BURLS

The illustration above shows the console with its doors open, but the
phonograph equipment closed off. The grill at the right 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

This remarkable Radio-Phonograph combination is offered com-
plete 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, com-
pletes the phonograph equipment. A genuine Farrand Dynamic
Power Tone Speaker is built-in as standard equipment. A com-
plete 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 6 type X226 A-C Tubes, 1 type
Y227 A-C Tube, 2 type X171 Power Tubes and 1 type X280 Recti-
fier Tube along with all necessary aerial and ground equipment.

$199
Knight BERWYN Phono-Radio A/C Electric COMBINATION DE LUXE

HERE you are offered an unusual value in a high grade Radio-Phono Combination. It includes 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 in a soft lustrous sheen. The beautiful front doors go all the way back to the sides. Attractively turned legs and cross stretchers impart unusual rigidity. Console stands 51 in. high, by 28½ in. wide, by 17½ 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 as 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. It is here offered as a unique feature of the Berwyn Model.

A-C OPERATED
In the Berwyn Phone-Radio combination you are offered the real convenience of A-C Operation—drawing all of 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 fidelity, tone quality and volume. Its ample size power plant provides a wide safety factor assuring freedom from breakdowns.

SINGLE CONTROL RADIO ILLUMINATED DRUM
STRIKING panel appearance with the distinctive EMBOSSED BRONZE CHINESE DESIGN, an mahogany 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 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 amplifications 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.

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.

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 Y277 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. Sh. wt. 150 lbs.

Without Tube
$134.50
No. 9943

SPECIAL ORDER No. 9944. Retail List. $150.00. YOUR PRICE...
CONSONA Xcello 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 Ferrand Dynamic Cone Speaker. The finest of everything. It re-creates your talking machine records in phonograph equipment and with ample volume. It even includes for radio reception with the finest 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 But Walnut veneers. Its top drawer 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. A unique design and beautiful finish makes it a gem of the cabinet maker's art.

Dynamic

The use of a Ferrand 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. The electrical impulses from the record are accurately reproduced in phonograph reproduction.

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, harmonic and sound distortion. There is no need for eliminators and a speaker makes this tremendous volume available with a true trace of distortion.

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 Ferrand Dynamic Power Cone Speaker makes this tremendous volume available with a true 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 exceptional fine adjustment on volume when using the phonograph arrangement. In the reproduction of the electrically recorded phonograph records if 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 Ferrand 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. Weight, 180 lbs. No. 9960. Retail list, $400.00. YOUR PRICE.....

$179.00

DYNAMIC POWER SPEAKER
KNIGHT "55" PORTABLE

SCREEN GRID EFFICIENCY

To meet the demand for those who want a real radio for outings, camp, and travel the Knight "55" Portable was designed. It can be taken anywhere as easily as your luggage. It brings to you your choice of broadcast programs wherever you go. You'll marvel that such volume and fidelity of tone can be produced from such limited space. Different from any portable you have ever known.

The Knight "55" employs a Screen Grid Tube—a tube many times more powerful than the ordinary tube.

Wonderful Distance Range

The tremendous amplifying power of the Screen Grid Tube along with the efficiency of the Knight "55" Portable Circuit provides unusual sensitiveness and distance range. Its remarkable performance is establishing a new standard of perfection in Portable construction. You will marvel that such unusual sensitiveness can be developed in a circuit of such compact construction— as you are offered in the Knight "55" Portable. It employs a 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 disks set into a beautiful golden brown panel providing unusual attractiveness in appearance. The circuit employs a total of five tubes. The panel 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 dark grain, leather-like material, it matches the finest furniture and harmonizes with any furniture. Completely equipped it weighs only 20 pounds. It is exceptionally well balanced and with its full grip handle it is as easy to carry as an overnight bag.

For Knight "55" Portable provides a charming combination for camping, motoring—fishing and sports. It is 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 5206 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 compact five tube circuit—its remarkable tone and volume stamp it out as an unusual value at the exceptionally low price quoted. Shipping weight 25 lbs.

No. 9355. Retail list. $70.00.
YOUR PRICE

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; "C" Grip 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

RADIO-PHONOGRAPH CONSOLE

GENUINE WALNUT IN UNUSUAL DESIGN

A new console designed especially for the new electric Radio-Phonograph Combinations. Its set compartment measures 14 in. deep, by 9 in. high, by 18 in. long and 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 13 in. deep, 10 in. high, by 11 1/2 in. wide. Console stands 52 in. high, 32 1/2 in. wide by 18 1/4 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.

 aloud. 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. Shipping weight, 135 lbs.

No. 9206. Retail list. $135.00.
YOUR PRICE

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 walnut 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

Equipped with all phonograph equipment. It comes to you 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

Console Equipped

Congratulations to you, your choice is made easier. You've decided to buy a Knight Portable. Various models are open to you. There are the new "55" Portable at the rate of just $34.50. The "55" Portable has a screen grid tube and employs a new screen grid circuit to bring you that extra volume and fidelity of tone. Then, of course there are the others—why not have a look at them?
SET ONLY

Here the Deauville 8 Receiver for battery operation is offered without accessories. Its unusual efficiency, remarkable distance range and wonderul tone quality assures it an unusual popularity. Shpg. wt., 35 lbs.
No. 9900. Bronze.
No. 9903. Chinese red.
No. 9906. Chinese green.
Retail list, $75.00. YOUR PRICE $34.50

WITH ALL ACCESSORIES

Equipment includes one six-volt storage "A" battery, 1 45-volt "B" batteries, 2 "C" batteries along with five type X201A tubes, 2 tube X200A 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 $55.05

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 embossed 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.

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 sensitivity 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.

SHELDED—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 sensitivity 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 X201A tubes, 1 X200A, 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 $68.25

CHASSIS ONLY AS ILLUSTRATED

This remarkable Knight 8 D-C Chassis offers the live dealer an unusual profit making possibility. 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. 9856.
Retail list, $70.00. YOUR PRICE $30.50
THE GLADIATOR

SHELDLED

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. Here the power has not been neglected. The push-pull audio amplification system builds up volume on distant stations with remarkable efficiency.

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. The three stages RF assures wonderful distance range while push-pull audio assures the finest in tone quality. Only one simple tuning control. Smooth operating illuminated drum with beautifully designed bronze escutcheon plate.

Genuine

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 and proportion, they are for the discriminating radio enthusiast who wants the ultimate in power and range combined with unusual sensitivity and selectivity.

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 25½ in. wide by 14½ 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 overlays along the sides add to its dignified appearance. The beautifully turned legs and ornamental cross stretcher provide unusual rigidity.

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 ...

$56.50

$76.95

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, two 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. As genuine Farrand Magnetic Cone Speaker built in. An exceptional value at the low price quoted. Shipping weight, 210 lbs.

No. 9910. Retail list, $175.00.
YOUR PRICE...
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 distortion results in a soft mellow tone quality that is every way with the highest priced receivers. It offers 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 shipping. The drum is vernier type having three to one ratio. The translucent drum scale is illuminated from behind with miniature Mazda lamp.

THE GOTHIC CONSOLE

The beautiful Gothic Console persists in a distinctive 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 selected walnut ply-wood is used in its construction. Its beautiful hand-rubbed lacquer finish shows 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. Equipped with Specker it offers an ideal combination for Luxurious 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 selectivity. The Coupling system consists of two stages transformer coupled audio employing a power tube in the last or output stage.

VELVETEEN 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 high-efficiency die-cast base balances 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 imports 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 it tremendous popularity. Shpg. wt. 120 lbs. No. 9920. Retail list $110.00. YOUR PRICE...

COMPLETE WITH ACCESSORIES

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 X112 Power Tube along with all necessary aerial and ground equipment, with 1 Storage "A" Battery, 3 45-volt "B" Batteries. No. 9921. Retail list $140.00. YOUR PRICE...

$49.50

$65.95
SINGLE ILLUMINATED DRUM CONTROL

THE insist 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 illuminated drum control assures 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 a 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.

SELEETIVE

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 beautiful metal cabinets completely shield the receiver.

THE KNIGHT D-C CIRCUIT

The Knight D-C Circuit is establishing a new standard for radio. In remarkable six tube D-C efficiency is comparable in every way to the finest receivers. The circuit employs one stage untuned radio frequency amplification, one tuned radio frequency detector stage and two stages of transformer coupled audio amplification.

THE KNIGHT D-C CIRCUIT

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SELEETIVE

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 beautiful 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. 9982. Brown bronze. Retail list, $90.00.
No. 9914. Chinese green. Retail list, $90.00.
YOUR PRICE...

THE FAMOUS WELLINGTON 6 CHASSIS

A PERFECTED D-C CIRCUIT

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 coils are 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.

SELEETIVE

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 mat finish metal panel with beautiful Chinese designed escutcheon plates. The panel measures 9 in. by 16 in., while the chassis itself measures 3 in. deep. It is adaptable for use with any of the cabinets listed in this catalog. Shipping weight, 22 lbs.

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.
To help you Sell

Knight

Radio Sets

For A.C. & D.C Operation

FULL CO-OPEATION

Allied Dealers and Agents throughout the country are assured of real cooperation in the sale of Knight Receivers. Our Dealer Cooperation Department is maintained to assure you the disposal of our customers. We help them solve their sales and advertising problems. Sales literature, newspaper advertisements, 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 Electrotype or Matrix form. Newspaper advertising will develop many new prospects for you. When 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. 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 effective. We want to develop an enormous sales volume in Knight Receivers. Every Allied Dealer should make use of this service. It will point out the way to increased profits.

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 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 Receiving Sets is available. Catalogs showing the complete line as well as attractive display cards; 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 passed on to you to help you in the sale of Knight Receivers. Detailed instructions on how you want them printed. Envelopes are available at cost. As a typical example of what you can expect to receive, write us for a sample of our literature. This will enable you to familiarize yourself with the business efficiency. It does not matter which model you buy, as any model will serve for a complete line of sales producing while our retail price catalog enables you to show your prospects what the other models look like.

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 Book. All dealers are required 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 model to acquaint yourself with its unusual efficiency. It does not matter which model you buy, as any model will serve for a complete line of sales producing 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 demonstration be sure to tell us what territory you wish to cover—also if possible, advise us the number of dealers you believe you can sell. A sample demonstration 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 your own sales volume. Attractive business cards beautifully printed in two-colors on superfine white stock, giving full information on how you want them printed. They should be left with every prospect as they reflect your business efficiency.
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, Victoreen, 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.

METROPOLITAN
SHIELDED GRID RECEIVER

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 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. 8759. Aero Complete Kit No. 28 for Shield Grid Tubes.

$34.10 NET for any Kit

List Price on all, including Cabinet, $58.00.

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 $29.37

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 make 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 $18.82
**AERO Chronophase**

**Shield Grid Five — A. C. or D. C.**

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 possibilities with the shield grid tube. These kits are specified in all recent 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 8x8x12 in. A.C. kit uses 277 tubes. Wt. 55 lbs. each. Price List $74.50 Each Kit YOUR PRICE $43.80

**AERO International Short Wave Complete Kit of Parts**

The Stations You Never Received Before

On short wave receivers many foreign stations are tuned in. American stations today are broadcasting 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 which ones used when it comes in. For the Television experimenter this is the Kit to buy.

No. 8768. AERO International Short Wave Receiver. Aero Kit No. 8 specially complete without cabinet. Factory packed and sealed. Wt. 25 lbs. List, $55.30. YOUR PRICE...

**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 one quality with the real one price. The Shield Grid model uses four shielded grid tubes, two 201A tubes and one 171. Sold without cabinet but with 7x16 in. drilled and engraved panel. Wt. 35 lbs.

No. 8771. Aero Complete Kit No. 34-P for D.C. Tubes. Wt. 35 lbs. List $32.00 Each. YOUR PRICE...

**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 277 tubes and one 171 tube. This kit is designed to "step out and bring them in...

No. 8772. AERO Kit No. 10. Complete factory sealed, including cabinet. For use with either A.C. or D.C. tubes. Wt. 25 lbs. List $42.00 Each.
No. 8773. Aero Kit No. 31. complete for use with D.C. tubes, including cabinet. Factory sealed. Wt. 25 lbs. List $32.00 Each. YOUR PRICE...

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. 25 lbs. List $32.00.
No. 8775. Aero Kit No. 31P. for use with D.C. tubes without table cabinet. Wt. 25 lbs. List $32.00 Each.

All List at $87.85. All Net at $51.65
Contact tappet) secondary cast Lab. Receiver. Antenna 'coupler tubes. For Wt...

Aero Matched Coils
Type U 265
- Consists of two inductances designed for use with circuits employing one shield grid stage of R.F. and regenerative detector. Tunes with .0005 condenser. Wt. 2 lbs.

Type U 266
- Name kit as above except to tune with .0005 condenser. Wt. 2 lbs. List, $8.00. NET $4.70

Type U 267
- Two matched coils for use with double coupling detector, and with the center tapped secondary of balanced TRF and regenerative detector. Tunes with .0005 condenser. Wt. 2 lbs. List, $10.60. NET $5.88

Type RB-8
- Kit of coils especially designed for Ditto circuits and Radio Broadcast Lab. Receiver. Antenna coupler has center tapped winding for Blee system of neutralization. Tunes with .0005 condenser. Wt. 2 lbs. List, $8.00. NET $4.70

Universal R.F. Coil and Wave Trap
- Universal radio frequency transformer designed to use with all types of tubes except shield grid tubes. Particularly designed for use with all radio frequency circuits or wave trap design. Tunes with .0005 condenser. Wt. 8 oz. List, $4.00. NET $2.35

Universal Three Circuit Tuner
- Latest low loss three circuit tuner with Butterworth filter and adjustable primary for any degree of selectivity. Tunes with .0003 condenser. Wt. 8 oz. List, $4.00. NET $2.35

Aero Oscillator Coils
Type U 163
- Kit of four high current oscillator coils with a variable pickup coil. Substitutes this unit for the standard coil when the finest tone reproduction is desired. Tunes with .0005 condenser. Wt. 8 oz. List, $4.00. NET $2.35

Type U 162
- Kit of four output coil tuning transformers for use with .0005 condenser. Wt. 8 oz. List, $4.00. NET $2.35

Aero Oscillator Coils
Type U 163
- Kit of four high current oscillator coils with a variable pickup coil. Tunes with .0005 condenser. Wt. 8 oz. List, $4.00. NET $2.35

For additional Aero Short Wave Coils see Amateur's Section.
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
This extreme sensitivity and practicably unlimited range. Three stage screen grid R.F. amplifier. Exquisite tone quality—employs four 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 areas. Absolutely one soap opera. 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 designed for easy sub panel mounting. The dials and tuning unit and few small pieces of instruction are easily and quickly set up on the panel. Complete parts as specified by the manufacturer. Wt. 10 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 for instruments and wiring perfectly finished. Arranged for sub panel mounting. Complete, assembled and wired. Over-all dimensions, 11½ in. long by 5½ in. wide by 6 in. high. Wt. 25 lbs.

List of Parts
No. 2132, Victoreen No. 158 Coupling Unit, Wt. $3.24
No. 2133, Victoreen No. 158 Coupler, Wt. 10 oz. List, $2.06
No. 2130, Victoreen No. 120 A.F. Transformer for 201 A tubes, list. $1.10
No. 2134, No. 112 Audio Unit, Wt. 6 lbs. List, $12.24

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.

List of Genuine Parts
1. Victoreen 170 Transformer, $25.00; 1 Victoreen 150 oscillator, $3.50; 1 Victoreen 150 antenna, $3.50; 1 Victoreen universal master control unit, $19.50; 1 Victoreen 112 audio transformer, $25.00; 1 Victoreen 2-ohm rheostat, $1.50; 1 Victoreen 6-ohm rheostat, $1.50; 1 Victoreen 400-ohm potentiometer, $1.50; 1 Victoreen audio control unit, $5.00; 1 Landon 7 x 36 panel, drilled, $5.00; 1 binding post strip, 6% in., 10c; 1 binding post strip, 6½ in., 10c; 1 Carter battery 56c.

List of Genuine Parts
switch, 50c; 1 Carter No. 6 jack switch, $1.25; 8 Eby sockets, $2.40; 1 Carter single circuit closed jack, 55c; 1 Carter single circuit filament control jack, 75c; 1 Dubiler, 0.005 grid condenser, 50c; 2 grid leaks, 3 mg., 50c; 1 Tube 0.01 fixed condenser, 50c; 1 Tube 0.01 fixed condenser, 50c; 5 Eby binding posts, 51c; 1 Kuro-Knoch arsatical vented dslb, $2.05; screws, wire, soldering lugs, $1.00; 1 wiring diagram, 50c.

Hammer and Sickle 10 0 1910 Copy, p. 93
What the Tyrman "72" Will Do

Many of the advanced features of the Tyrman Imperial "70" are incorporated in the Tyrman "72." This "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 locations where A.C. Power is not available. Even 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.C. O. Power Supply designed especially for the "72," mounted on platforms 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 "70." No oscillation, distortion or interference. "72." will blend only one in a million of its harmonic frequency equal to that of the front panel. A.C. wiring, distributed from Tyrman Illuminated Double Worm Drive Drum. 110 A.C. and Phonograph switch on simple. Feet made to the right.

A.C. wiring diagram lithographed on subgel simplifies and hastens assembly. Power Pack, factory assembled. All intermediate frequency units matched in factory.

The Screen Grid Super

The Tyrman "60" is designed for battery or eliminator operation. Uses the shield grid tubes of Type 162. Combines features of the Tyrman "70" at a low price.

The intermediate frequency amplifier is identical with the Tyrman "70" except that a 201.A 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 instrument. Complete diagram and instructions for wiring furnished.

List of Parts

Three R.F. impedances, 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 midget 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 $49.50. YOUR PRICE $40.86
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

The Imperial "80" is so designed with plug-in coils 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 $0.73

Complete List of Parts in Factory Sealed Kit:

Two R.F. transformers, one R.F. impedance, one special B.F. impedance, two audio coupling, one shielded sockets, two sockets, one double worm drive drum "89", one antenna condenser, one oscillator condenser, one complete set of plug-in coils, one by pass condenser block, one volume control, one phone-radio switch, one 110 volt A.C. switch, two midsize 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., 32 lbs. Your Price $79.08 List $134.50

No. 8752. Power Supply factory assembled complete without tubes for Imperial "80", Wt., 32 lbs. Your Price $38.22 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 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. The extraordinarily fine tuning units are built into the drum control. These are not found in any other drum control. The knob is designed with the possible execution of those used in the highest priced receivers. The drum control itself is die cast and it is a precision instrument. It is cable driven and so designed that the knob is precisely centered resulting in a factory built appearance. An unusual feature on this 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 escutcheon plated of graceful design is also furnished.

Simple to Assemble

With accurately matched condenser and the coils assembled to the drum control plate. It is a simple matter for anyone to assemble this receiver. Many alone are space wound with enameled wire. The coils are matched within a mils. Best grade are time. Highest efficiency. Accurate essential coil is a unique feature. It is readily adaptable to any possible change. The knob is designed for anyone to assemble. Furnished with 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.

LIST OF PARTS

1—illuminated drum dial; 5—space wound coils mounted; 1—triple die east condenser; 3—low ratio audio transformers; 6—Bakelite UX sockets; 2—brass links and mounting strip; 1—8x18 metal panel; 2—25 annular ballast-selective tuning coils for 1-grid; 1—grid leak; 1—9x17 baseboard; 1—resistance meters; 2—screws. wire. essential hardware; 1—wiring diagram.

5-TUBE RADIO FREQUENCY KIT


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 are time. Highest efficiency. Accurate essential coil. A wonderful degree of reproduction. Three dial individual state tuning. Variable resistance and 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-typical. Nothing else to buy other than tubes and accessories. Simple to assemble. Easy to wire within a few hours.

List of Parts Furnished with this Kit:

1—7x18 drilled metal panel; 1—9x17 baseboard; 3—modified W.F. 600/15 condensers; 3—ampound matched low loss R.F. coils; 5—low ratio audio transformers; 5—gauge wires; 46 bolts; 1—grid condenser; 5—ohm rheostat; 1—slamswitch; 1—variable high resistance; 1—grid condenser 60025; 1—grid leak 2 meg; 1—brass bracket; 1—2 post striped; 1—5 post strip; 2—10W. 1—meter wires; 2—500 ohm resistors; 1—wiring diagram.

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. High precision and designed to eliminate all possible loss. Complete parts with full sized layout. Diagram is non-typical. Nothing else to buy other than tubes and accessories. Simple to assemble. Easy to wire within a few hours.

No. 3141. List Value $12.00. YOUR PRICE...

$3.90

RF Essential Coil Set Matched

Kit of coils only. Coils are space wound with enameled wire on threaded bakelite tubing. Accurately matched to a fraction of one percent. The three coils are precisely mounted at the scientifically correct angle. Insulated as the coils are mounted at the proper angle. 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 1 in. at any point.

A highly efficient, accurate essential coil kit, readily adaptable to use with any precision selective tuning unit to suit any variations in capacity that may occur in the wiring of the receiver.

No. 3148. List Value $10.00. YOUR PRICE...

$1.25

Single Control "RF" Essential Kit

A complete single control radio frequency kit complete with any selective sensitive single control receiver.

DIE CAST CONDENSER

The condenser is accurately constructed and has a universal 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 chassising of the condenser unit to an extremely accurate extent. Condensers are provided on each unit to suit any variations in capacity that may occur in the wiring of the receiver.

No. 3149. R.F. Essential Condenser Kit. List $25.00. YOUR PRICE...

$8.18

MATCHED COILS

The coils are space wound with enameled wire on threaded bakelite 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 a illuminated vernier drum control. The drum control is die cast and is of the cable drive type. Positively no slipping at any degree of accuracy. 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 escutcheon plate with template is also provided.

No. 3150. R.F. Essential Kit without drum. List $20.00. YOUR PRICE...

$6.20
Hammurlad 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 stage shield grid radio frequency amplifiers. 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 Hammurlad Drum Dial with illuminating feature and gracefully formed escutcheon plate gives the new receiver an extremely attractive appearance. Only one single tuning control. The screen grid stages are fully and completely shielded for maximum efficiency—Non-critical, static free operation.

HIQ-29 Jr. Foundation Unit
Contains drilled and engraved Westinghouse panel, two complete shielded drilled steel chassis, shafts, coupling condensers, resistor mounts and all essential hardware. No. 2701. List $14.00. YOUR PRICE $8.25

A. C. Model
COMPLETE PARTS FOR THE HAMMARLUND ROBERTS JR. A.C. MODEL
Two Hammurlad .00635 mfd condensers, two Hammurlad RGC-17 shield grid coils, one Hammurlad RFC 85 R.F. choke, one Hammurlad drum dial, seven Benjamin 9040 sockets, one Sangamo .001 condenser, one Carter 3000 ohm tapped volume control, six Parrott .5 by pass condensers, one Parrott 3 by pass condensers, one Parrott 1 filter condenser, one Parrott 2 filter condenser, two Parrott 4 filter condensers, two Resistors .25 one resistor, one 2000 ohm resistor, one watt, one 5000 ohm resistor one watt, one Thordarson B 171 compact, one Thordarson B 196 choke, one Thordarson B 309 Transformer, one Eby HIQ-29 resistor, one Pr. Yaxley insulated phone tip Jacks, two Eby binding posts, one HIQ-29 foundation unit. No. 8785. Total List $13.85. YOUR PRICE $61.12

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 electrostatically 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 all shielded chassis.

HIQ-29 Master Foundation Unit
Contains drilled and engraved panel, three complete aluminum shields, shielded steel chassis, and all essential hardware. No. 2702. List $16.50. YOUR PRICE $97.00

A. C. Model
COMPLETE PARTS FOR BUILDING THE A.C. MASTER HIQ-29 FOR ELECTRIC OPERATION. Five Hammurlad HIQ-29 coil set, two Hammurlad drum dials, three Hammurlad RFC 85 R.F. Chokes, six Benjamin 9040 sockets, one Sangamo .001 condenser, one Sangamo .001 condenser, one Carter No. 11 HI-Pot, two Thordarson R 309 transformers, one Thordarson B 196 choke, one Thordarson B 171 compact, one Thordarson B 171 choke, two Two Valve -29 Transformer, one Parrott 1 by pass condenser, one Parrott 3 by pass condenser, one Parrott 1 filter condenser, one Parrott 2 filter condenser, one Parrott 4 filter condenser, one Eby HIQ-29 resistor, one 1/8 in. resistor, two 1/2 sq. in. resistors, one Yaxley 613 lamp socket, one Eby insulated tip Jacks, one Eby HIQ-29 resistor, two Eby binding posts, one HIQ Master Foundation Unit. No. 8785. Total List $151.80. YOUR PRICE $58.50

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 radio 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 considerable short wave lengths may be had and at small cost in tuning. As a converter for use with radio receivers this equipment is invaluable. For use as a short wave receiver it is advisable to add a stage of two or more audio amplification.

An Entirely New Field of Reception
Many broadcasting stations transmit on short waves simultaneously with their regular medium wave programs. The short wave programs are often easily picked up from stations thousands of miles away at frequencies covering range of 15 to 107 meters.

Plug-In Short Wave Inductances
Short wave inductors corresponding to the secondary winding of the short wave transmitter. For use in employing a stage of radio frequency amplification and in sets using a stage with screen grid tube. Furnished with .00011 condensers. No. 2705. SWAT-3 set of three with bases $5.88

Hammarlund Short Wave Plug-In Coils
SWAT-3 coil set contains short wave range of frequencies from 15 to 107 meters. Flexible screw overlap between the coils makes tuning very smooth over the whole short wave range.

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See Amateur's Short Wave section for additional Hammarlund Short Wave and Transmitting apparatus.
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 kit uses three 222 screen grid tubes. In this superheterodyne 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 superheterodynes. 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 310 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 kit will 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

Full listing is a list of parts for the Scott Shielded Grid Nine which enters completely packed in factory sealed kit as listed herewith.

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. Supplied with B. Wt. 25 lbs.

No. 8750. List $38.00

YOUR PRICE..............$48.00

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

YOUR PRICE..............$3.24

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

No. 8757

List Price

$138.00

WORLD'S RECORD

SUPER NINE

Scott's New Shielded Grid Sensation

YOUR PRICE

$81.14

No. 8757
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 shielded grid amplification, a regeneration detector and three intermediate shielded grid R.F. stages. The high amplification of the new shield grid tube follows by a regeneration first detector, three stages of shield grid amplification at 115 K.C. oscillator and second detector. Completely wired, tested, balanced and inspected. Duplication of the original laboratory model.

Excellent Tone Quality

Uses new Remler audio transformers which respond equally to all musical frequencies, amplifying the musical sounds as they normally occur. With a good speaker, reproduction is authentically 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 regeneration first detector, three stages of shield grid amplification at 115 K.C. oscillator and second detector. Completely wired, tested, balanced and inspected. Duplication of the original laboratory model.

Exceptionally Easy to Build

The Remler 29 is simple to assemble. Anyone with the use of a screwdriver and voltmeter, can put together this marvelous receiver within a short space of time. Wt. 70 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—mfd. by Pass Condensers. 12.00
1—Remler 922 Output Impedance. 20.00 3—mfd. Filter Condensers. 12.00

Total List. $114.00

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 is all metal, a stage of 501 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 unfailing source of pure, noiseless D.C. current for the operation of the 29 power tube. It also supplies the necessary 110 volts for the operation of the receiver. Assembled on a forged 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 110 volt and provide a stage of high grade power amplification. Wt. 50 lbs.

Remler RF Amplifier

A completely shielded RF tuning unit using two stages of radio frequency amplification and detector. Uses Remler 633 three in line compartmented condenser. The coils are shielded and are of the solenoid type with primaries arranged to retet for automatic coupling controlled by the condenser shift. Consistent coupling and uniform gain at all wave lengths. Includes antenna compensator. Wt. 15 lbs.

No. 3804. No. 710 Amplifier. List. $35.00. YOUR PRICE $32.34

Remler Twin Rotor Condensers

Not only known for efficient condensers, but 590° rotation. Spreads stations as far apart as the usual condenser. Simultaneously tuned. WT. 2 oz. each.

SINGLE UNITS 3104. 9005 ELF 3101. 6005 ELF 3102. 3009 ELF 3103. 9005 ELF.

LIST OF PARTS

1—Remler No. 000 Audio Transformer. 1—Remler No. 001 Audio Transformer. 1—Remler No. 822 Output Transformer. Total List. $182.50

No. 3803. Infradyne Foundation Unit. List. $35.00. YOUR PRICE $30.58

Shipping wt., 36 lbs.

No. 8867. Infradyne Cabinet and Base. List. $15.00. YOUR PRICE $8.82

Shipping wt., 10 lbs.

99
New Remler Best 115 KC Shield Grid Super


**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 without chance of noise. The great selectivity of this receiver does not impair the quality of reproduction.

**Comes with Two Shelves of shield grid tuned radio frequency, regenerative first detector, oscillator, two stages of 115 K.C. intermediate amplification, second detector and two stages of high quality audio with the new Remler audio transformers.

**Complete List of Parts**
- First 10-ohm Gem rheostat, 1 200-ohm potentiometer, 1 4-ohm resistance, 1 1-ohm resistance, 1 0.0005 cond., 1 0.0001 cond., 1 0.00005 cond., 1 0.00005 cond.
- 1 by pass cond., 2 3-megohm grid leaks, 1 4-megohm grid leak, 1 Remler No. 200 transformer, 1 Remler No. 901 transformer, 1 Remler No. 922 output, 1 Jewell 9 to 6 meter, 2 cable plug and socket, 2 F.c.b. pots, 1 1123 boardhouse, 1 1010 shield, and related panel. 1 Samson No. 83 choke. Wt. 30 lbs.

**Net Price** $163.95

**Total List Price** $196.40

**No. 7050**

**New Remler Audio Transformers**
- No. 1957. First Stage Audio. Remler type 999, Type 905, 3% to 1 transformer. Used in first audio stage. Wt. 2 lbs. List $8.00. NET $4.70
- No. 1990. Second Stage Audio. Remler type 901, 3 to 1 ratio, 1 P.S.T. Wt. 3 lbs. List $12.00. NET $7.06
- No. 1991. Remler No. 921. A High gain ratio, 6% to 1. Yard between first audio and power tube particularly when using new 220 power tube. Wt. 1 lb. List $12.00. NET $7.06
- No. 1992. Output Transformer. For use with 1123, 111A or 210 tubes. Wt. 4 lbs. List $10.00. NET $5.88
- No. 1993. Output Transformer. For new 259 power tube. Wt. 4 lbs. List $10.00. NET $11.76

**New Remler Shielding Case**
- No. 7035. Type 2 for 201A or 201B tube. Wt. 6 oz. List $2.00. NET $1.17

**Ballast Tube Shields**
- No. 7033. Type 2 for 201A or 201B tube. Wt. 6 oz. List $2.00. NET $1.17

**Remler Intermediate Transformers**
- No. 2127. Provide intermediate amplification at 115 K.C. All Remler Intermediate transformers are matched at the factory to laboratory standard. Wt. 10 oz. List each $5.00. YOUR PRICE $3.53
- No. 2128. Remler Tuned Filter. 610. Wt. 10 oz. List $5.00. YOUR PRICE $2.94

**Remler**
- No. 2031. To limit radio frequency currents. Model 5500, 6 oz. List $50.00. NET 550

**1929 Browning-Drake Shielded Grid Kit**

For A.C. Electric Operation.

- Incorporates greatest features in coil design developed since the regenerative. Absolutely single control with no antenna trimmers or any surly adjustments. Hair line tuning on the most distant stations.

**GENUINE PARTS**
- New Official ShieldGridAC

**Official B.D. Foundation Unit**
- No. 7098. Diode-plate and sub-panel, with amplifier, sockets and resistor holders, twisted A.C. wire, connecting cables and all hardware. Wt. 1 lb. List $14.75

**B. D. R. F. Choke**
- No. 7006. For use with official B.D. kil. Wt. 6 oz. List $2.00. NET $1.18

**1929 Browning-Drake Shielded Grid Kit**

**Official B. D. Kit Set**
- 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 $29.00. YOUR PRICE $15.29
National Radio's Latest

National Screen Grid SHORT WAVE RECEIVER

COMPRIMSES 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 indutance unnecessary resulting in ease of construction and new 222.

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 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 KDKN, WABC, WLW, WGO and many amateur broadcasts on short wave waves makes this Kit a true value.

The usual 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 interception impossible.

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.

TOTAL LIST $34.85
No. 8789 YOUR PRICE $20.49

New National B.D. 2 in. Coils

Small size impregnated Browning-Drake Inductance. Made in pairs. A special high primary transformer supplied with the above coil.

No. 2751. Type B.D. 4 National Antenna coil. Wt. 6 oz. $1.25.
No. 2752. Type B.D. 5 National Antenna coil. with trimmer. Wt. 6 oz. $1.76.
No. 2753. National regenerative transformer. WL 1 lb. $3.23.

TOTAL LIST $35.19
No. 8920 YOUR PRICE $22.55

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. WL 1 lb. List $1.25.
No. 2756. Type 59, for all standard receivers. Inductances practically impossible in the broadcast band.

TOTAL LIST $7.85
No. 8921 YOUR PRICE $4.15

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 $10.25.
YOUR PRICE $6.32
No. 3015. Type B.D. 2 "E" complete with type "C" dial. List $14.25.
YOUR PRICE $8.38

Official Genuine National Tuning Units

B. D.

Browning-Drake Coils

Designed by G. H. Browning and E. H. Drake of Harvard University, 90 percent efficient. Space wave inductances on threaded bakelite tubing. Wt. 3 lbs.

No. 3006. B.D. 1 and 2. List $5.50.
YOUR PRICE $7.50

National Tone Filter

Protects the loud speaker from high plate current drawn by power tubes. An impedance of the proper value and through which the plate of the tube is supplied. Combined with a 2 MFD filter condenser in case of Will carry 33 Mfd continuously without heating or saturating. Wt. 3 lbs. each.

No. 1943. List $3.82
No. 1949. Type 30 for the new LX-250 tube. List $5.00.
No. 1948. List with cord $5.99. NET $3.70

National Scratch Filter

For use with electrical phonograph pick-ups to subdue the amplification of needle scratch noises. Wt. 2 lbs.

No. 6537. List $5.50. NET $3.23

National Vernier and Drum Dials

Type "E" DIAL

Embody smooth gearing mechanism without backlash and an adjustable and distinctive panel escutcheon plate. Wt. 1 lb.

No. 1927. .001. List $0.50 NET $0.29
No. 1928. List $0.76. NET $0.50
No. 1929. List $1.76. NET $1.25
No. 1930. 200-0. List $2.56. NET $1.90

Type "F" DRUM DIAL

Embody a velvet smooth operating mechanism. Automatic spring taking up and assures a positive drive at all times. Attractive panel escutcheon plate. Transmitted wave length perfect illumination. Wt. 1 lb.

No. 1928. List $1.00. NET $0.75
No. 1929. List $2.00. NET $1.50
No. 1930. 500-0. List $2.95. NET $2.50

INDUCTANCE TRIMMER

A new improved feature, a special inductance trimmer in the antenna circuit. Eliminates the necessity of a trimmer condenser and assures selective tuning of the antenna stage.

Mechanical and electrical efficiency is extremely high. Recommended for the construction of a new Browning-Drake receiver which is designed to gain two tube tuning for use in connection with any power amplifier. Wt. 10 lbs.

No. 7070. List $24.50. YOUR PRICE $14.41

TYPE 222 FOR USE WITH SHIELDED GRID TUBES

Furnished with proper winding to permit the use of a UX 222 shielded grid tube. Embodies a special high impedance input wave primary. Wt. 10 lbs.

No. 7089. List $34.50. YOUR PRICE $14.41
New Single Control
With New Improved Small Coils

Browning Drake

STOUNDING results with the new Single Control Browning Drake circuit. Great range, unusual selectivity and greatly simplified tuning. Incorporates the latest developments and all the new features. Extremely low resistance radio frequency circuit provides the utmost degree of selectivity and sensitivity to a greater extent than ever before. Greater efficiency than most seven and eight tube circuits.

Neutrodyne circuit, 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 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.

No. 7003
List Value $65.00
YOUR PRICE $28.85

Improved Five Tube Neutrodyne Kit

Genuine Hazeltine licensed neutrodyne essentials. Newly developed, highly efficient, selective and powerful, five tube receiver. Simple to assemble and wire. Free from oscillation and easily neutralized. The Neutrodyne 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 Neutrodyne essential kit with neutro- formers, variable condensers and neutralizing condensers; 5 bakelite UX socket; 1 bakelite with incandescent switch; 1 modulator; 2 low ratio audio transformers; 3 bakelite 4-in. dials; 1 .001

No. 8831
List Value $45.00
Your Special Price...

$38.95

SHORT WAVE

20 to 550 Meters

Plug In Coils

New Short Wave Kit with Interchangeable short wave coils. Covers lower wave lengths from 290 to 250 meters, also furnished with Interchangeable coils covers 250 to 550 meters. A universal general purpose receiver. Three closely spaced coils. Full loudspeaker volume. A precision laboratory circuit. Wonderful records of distance reception have been made on shorter wave. 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; 12 30-ohm resistors; 1 binding post strip with five posts; 1 binding post strip with two posts; 1 LeCrone toroid coil.

No. 8813
List Value $40.00
Your Price...

$16.65

List of Parts
One Single Control Drum 1 Dial, 2 Pilot 80035 Condensers, 1 set T.C. Browning-Urako Coils, 1 Knight Audio Transformer, 1 Knight Tone Filter, 2 pieces Rauristor Coupling, 2 Fixed Condensers, 2 Neutrodyne Former, 1 By-Pass Condenser, 1 Fixed Condenser .0025, 1 Grid Condenser.

List of Parts
One Single Control Drum 1 Dial, 2 Pilot 80035 Condensers, 1 set T.C. Browning-Urako Coils, 1 Knight Audio Transformer, 1 Knight Tone Filter, 2 pieces Rauristor Coupling, 2 Fixed Condensers, 2 Neutrodyne Former, 1 By-Pass Condenser, 1 Fixed Condenser .0025, 1 Grid Condenser.

No. 8826
Total List Value $35.90
Your Special Price $12.45

Cabinet and accessories for this receiver will be found on other pages of this catalog.
Television Apparatus

Experimental Television Apparatus. Television is in its present stage 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 1/4 in. square. Presenting a glow effect the entire plate without the use of mirrors and ground glass. Uniform glow due to the entire plate without the use of mirrors and ground glass gives it perfect reproduction qualities. Starting voltage 250 to 250 volts.
No. 7151. List $6.17
No. 7152. List $11.76

Raytheon Photo Electric Cell
Light sensitive tube for Television transformers.
No. 7153. List $20.00.
YOUR PRICE $11.26

Television Motor
A.C. Induction motor for Television. Constant or variable speed with ease of control. High efficiency, cool running. Light and clean. No brushes or commutators consequently producing no radio interference. Single phase. 1100 R.P.M. recommended for receiving sets using 24 inch scanning disc. Very easy to maintain any speed between 150 and 1700 R.P.M. with 6 to 16 volt, variable resistance, 24 inch motor shaft.
No. 7154. List $30.00.
YOUR PRICE $19.11

Television Magazine
Keep up to the minute with Television development. Television magazine published monthly with latest information and developments.
No. 4319. List 35c.
YOUR PRICE 21c

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.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9151</td>
<td>7x18</td>
<td>$21.00</td>
<td>22 lbs.</td>
</tr>
<tr>
<td>9152</td>
<td>7x21</td>
<td>24 lbs.</td>
<td></td>
</tr>
<tr>
<td>9153</td>
<td>7x24</td>
<td>26 lbs.</td>
<td></td>
</tr>
<tr>
<td>9154</td>
<td>7x26</td>
<td>30 lbs.</td>
<td></td>
</tr>
<tr>
<td>9155</td>
<td>7x28</td>
<td>32 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

Metal Cabinets
Richly finished metal cabinets specially designed. Beautiful, graceful lines. Finely constructed and durable. Front panel may be used as panel for direct mounting of dials or escutcheons. Full 15 in. depth. Wt. 10 lbs.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9157</td>
<td>7x18</td>
<td>$3.95</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>9158</td>
<td>7x21</td>
<td>17 lbs.</td>
<td></td>
</tr>
<tr>
<td>9159</td>
<td>7x24</td>
<td>18 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

Deluxe Mahogany Cabinets

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9160</td>
<td>7x18</td>
<td>$4.80</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>9161</td>
<td>7x21</td>
<td>17 lbs.</td>
<td></td>
</tr>
<tr>
<td>9162</td>
<td>7x24</td>
<td>18 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

Daven Television Kit
Latest television Daven kit complete. Furnished with scanning disc, motor bushing, rheostat bushing, neon tube and three complete stages of amplification.
No. 7154. List $60.00.
YOUR PRICE $38.22

Daven Special Motor
No. 7161. List $25.00.
YOUR PRICE $15.92

Daven Television Amplifier
Type 3-T with resistors and coupling condensers. Amplifying perfection. The only suitable type of amplifier for Television reception.
No. 7155. List $12.50.
YOUR PRICE $7.98

Scanning Discs
Accurately designated scanning discs with holes properly laid out to prevent distortion. For receiving discs is List $2.50.
No. 7160. 24 aperture disc. List $5.00.
YOUR PRICE $3.18
No. 7165. 32 aperture disc. List $7.50.
YOUR PRICE $4.78
No. 7167. 26 aperture disc. List $10.00.
YOUR PRICE $6.37
No. 7169. 28 aperture disc. List $15.00.
YOUR PRICE $9.69
No. 7170. Special large size bushing for 40 and 45 line discs. List $3.50.
YOUR PRICE $2.23

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 100. Plate area 1/2 square.
No. 7156. List $8.57.
YOUR PRICE $11.20

Daven Television Lamp
YOUR PRICE $6.17

<table>
<thead>
<tr>
<th>Shpg. Wt.</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9157</td>
<td>7x18 J5</td>
<td>$3.95</td>
</tr>
<tr>
<td>9158</td>
<td>7x21 17</td>
<td>4.40</td>
</tr>
<tr>
<td>9159</td>
<td>7x24 18</td>
<td>4.70</td>
</tr>
</tbody>
</table>

Television Lamp KIT
No. 7159. Special large size bushing for 40 and 45 line discs. List $3.50.
YOUR PRICE $2.23

Televisor Lamp
No. 7160. 24 aperture disc. List $5.00.
YOUR PRICE $3.18

No. 7165. 32 aperture disc. List $7.50.
YOUR PRICE $4.78

No. 7167. 26 aperture disc. List $10.00.
YOUR PRICE $6.37

No. 7169. 28 aperture disc. List $15.00.
YOUR PRICE $9.69

No. 7170. Special large size bushing for 40 and 45 line discs. List $3.50.
YOUR PRICE $2.23

<table>
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<tr>
<th>Shpg. Wt.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9160</td>
<td>$3.95</td>
</tr>
<tr>
<td>9161</td>
<td>4.40</td>
</tr>
<tr>
<td>9162</td>
<td>4.70</td>
</tr>
</tbody>
</table>
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 socket 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-B-T Audio Coupler
1-B-T Tuning Control
1-000 mf, fixed condenser
1-306 mf, fixed condensers
1-1 mf, fixed resistors
1-12 meg grid leak
1-6-B-T UX sockets.

LIST OF GENUINE PARTS:

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-000 mf, fixed condenser</td>
<td>3</td>
<td>$0.30</td>
</tr>
<tr>
<td>1-306 mf, fixed condensers</td>
<td>3</td>
<td>$0.30</td>
</tr>
<tr>
<td>1-1 mf, fixed resistors</td>
<td>3</td>
<td>$0.30</td>
</tr>
<tr>
<td>1-12 meg grid leak</td>
<td>3</td>
<td>$0.30</td>
</tr>
</tbody>
</table>

Power Six Electric

The famous Bremer-Tully Counterphase Power Six Kit fully electrified. Operates without batteries. Featuring tone—equalized merits. Does not require any batteries. Operates directly 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 coupler and complete electrification. Complete list of parts ready for A.C. operation. Wt., 25 lbs.

B-T Power Six Essential Kit

List Price, $41.50. NET

B-T A. C. Power Kit

The famous B-T Power Six Electric, $52.75. NET

New B-T Audio Couplers


B.T. Lifetime Condensers

B-T Micro Mike Condenser

B-T R. F. Choke Coil

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-microphone socket arrangement. Complete test kit for amateur and for the home short wave reception is possible on short waves. Wt., 15 lbs.

LIST OF PARTS:

<table>
<thead>
<tr>
<th>Part</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-B-T Shortwave outfit</td>
<td>$11.00</td>
</tr>
<tr>
<td>1-0.0017s type J5 condenser</td>
<td>$4.70</td>
</tr>
<tr>
<td>1-0.005s type J5 condenser</td>
<td>$4.70</td>
</tr>
<tr>
<td>1-B-T R. F. choke</td>
<td>$2.00</td>
</tr>
<tr>
<td>1-B-T 15-22 audio coupler</td>
<td>$2.50</td>
</tr>
<tr>
<td>1-B-T 3-31 audio coupler</td>
<td>$2.50</td>
</tr>
<tr>
<td>1-0.005 fixed resistor</td>
<td>$1.00</td>
</tr>
<tr>
<td>1-0.01 fixed resistor</td>
<td>$1.00</td>
</tr>
<tr>
<td>1-0.025 fixed condenser</td>
<td>$1.50</td>
</tr>
<tr>
<td>1-3 megohm leak</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

B-T Power Six Kit

List Price, $45.71. NET

B-T Power Six Essential Kit

List Price, $41.50. NET

B-T A. C. Power Kit

List Price, $52.75. NET

New B-T Audio Couplers

List Price, $3.53. NET

B-T Lifetime Condensers

List Price, $6.47. NET

B-T Micro Mike Condenser

List Price, $53.00. NET

B-T R. F. Choke Coil

List Price, $41.50. NET

New B-T Short Wave Kit

List Price, $24.50. NET
Radiophone transmitter. Simple and inexpensive to build and extremely efficient in operation. A 7½ watt transmitter employing three 210 and one 112 tubes. Modulation with two 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 current 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.

$50 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 both be used.

No. 2718. Hammarlund Radiophone Transmitter No. 50. Complete for phone operation from 60 cycle A.C. current. WL $5.00. M. $7.75.

No. 2783. Code Transmitter. Aero Kit No. 51 for code transmission only. For battery power. Looks like upper deck of Aero No. 50 transmitter. WL $20. List $7.45. NET...

<table>
<thead>
<tr>
<th>Aero Transmitter Coils Kits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SHORT WAVE COILS</strong></td>
</tr>
<tr>
<td>No.</td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td>1121</td>
</tr>
<tr>
<td>1122</td>
</tr>
<tr>
<td>1123</td>
</tr>
</tbody>
</table>

**SINGLE TRANSMITTER COILS**

<table>
<thead>
<tr>
<th>No.</th>
<th>Meter Range</th>
<th>List</th>
<th>Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>1124</td>
<td>16 to 52</td>
<td>$4.00</td>
<td>$2.35</td>
</tr>
<tr>
<td>1125</td>
<td>64 to 180</td>
<td>$4.00</td>
<td>$2.35</td>
</tr>
<tr>
<td>1126</td>
<td>90 to 190</td>
<td>4.90</td>
<td>2.35</td>
</tr>
<tr>
<td>1127</td>
<td>120 to 240</td>
<td>1.00</td>
<td>.55</td>
</tr>
<tr>
<td>1128</td>
<td>Antenna Mounting</td>
<td>.30</td>
<td>.17</td>
</tr>
</tbody>
</table>

**150 WATT TRANSMITTER COILS**

Coils of the same general arrangement and design as the 30 watt size shown above but wound with heavy silvered copper wires.

<table>
<thead>
<tr>
<th>No.</th>
<th>Meter Range</th>
<th>List</th>
<th>Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>2726</td>
<td>24-K</td>
<td>$15.00</td>
<td>$8.92</td>
</tr>
<tr>
<td>2727</td>
<td>48-K</td>
<td>36 to 90</td>
<td>15.00</td>
</tr>
<tr>
<td>2728</td>
<td>90 to 180</td>
<td>15.00</td>
<td>8.82</td>
</tr>
</tbody>
</table>

No. 2729. 150 WATT COILS ONLY

**Teddy Bear Wave Radio**

Type SW-3

Low loss short wave receiving Inductors Kit of three short wave coils with the covers range 15 to 107 meters.

<table>
<thead>
<tr>
<th>No.</th>
<th>Meter Range</th>
<th>List</th>
<th>Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>2706</td>
<td>10 to 20</td>
<td>$.50</td>
<td>.32</td>
</tr>
</tbody>
</table>

**Inductive Coils and Base Only**

<table>
<thead>
<tr>
<th>No.</th>
<th>Meter Range</th>
<th>List</th>
<th>Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>2710</td>
<td>15-30 meter coil</td>
<td>List $5.90</td>
<td>NET $3.53</td>
</tr>
<tr>
<td>2711</td>
<td>15-107 meter coil</td>
<td>List $7.50</td>
<td>NET $4.75</td>
</tr>
<tr>
<td>2712</td>
<td>15-107 meter coil</td>
<td>List $7.50</td>
<td>NET $4.75</td>
</tr>
<tr>
<td>2713</td>
<td>15-107 meter coil</td>
<td>List $11.00</td>
<td>NET $6.76</td>
</tr>
</tbody>
</table>

**Plug-In Short Wave Inductors**

Correspond to the secondary windings of the tuning coils above. For use in sets employing stage of R.F. or shield grid stage.

<table>
<thead>
<tr>
<th>No.</th>
<th>Meter Range</th>
<th>List</th>
<th>Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>2714</td>
<td>15-30 meter</td>
<td>List $5.00</td>
<td>NET $3.00</td>
</tr>
<tr>
<td>2715</td>
<td>15-107 meter</td>
<td>List $5.00</td>
<td>NET $3.00</td>
</tr>
<tr>
<td>2716</td>
<td>15-107 meter</td>
<td>List $5.00</td>
<td>NET $3.00</td>
</tr>
</tbody>
</table>

**Hammarlund Space Wound Coils**

For the amateur who makes his own coils. No. 16 green-cotton silk covered copper wire. Copper wound for turns of the coil on transparent celluloid composition tube 3 inches in diameter, wall .005 inch thick. Extremely strong and rugged. Maximum length in one place 20 inches.

<table>
<thead>
<tr>
<th>No.</th>
<th>List Per inch</th>
<th>40c</th>
</tr>
</thead>
<tbody>
<tr>
<td>2719</td>
<td>$2.00</td>
<td>NET $1.60</td>
</tr>
</tbody>
</table>
Amateurs' Short Wave Section

Pilot Wasp Short Wave Kit

17 to 500 Meters

Amazing distance records are obtained on short waves. Many of the powerful broadcasting stations transmit their programs on short waves simultaneously and at their regular broadcast time. The distances which are out of the range of the longer wave receivers can easily be picked up on specific station frequencies. Many European broadcast stations, and foreign stations with one to three tube short wave receivers.

Simple Tuning

Has the new Pilot illuminated grid and a set of five short wave plug in coils covering ranges from 10 to 30, 25 to 50, 35 to 100, 125 to 200, 250 to 500 meters. Each coil is equipped with an identifying color ring.

Simple to Assemble and Wire

Complete List of Parts

No. 8778. List $27.63.
No. 8779. List $27.63.
No. 8780. List $32.50.
No. 8781. List $12.50.

$19.70

Short Wave Plug-in Coils

Set of five

Frost Radio Microphones

Designed for amateur transmission and general apparatus work. Are of the solid bakelite type and will faithfully reproduce pitch and musical frequencies over the full range. Frost Microphones are nationally known for their fine voice performance and superior design.

No. 2566. Hand type is illustrated. List $5.00. Wt. 3 lbs. NET...$5.14
No. 2567. Desk microphone with cord. List $8.75. Wt. 5 lbs. NET...$10.10

National Short Wave Screen Grid Coils

Designed especially for short wave circuits using 222 screen grid tube. May be employed in any circuits not incorporating radio frequency amplification. Space wound on bakelite tubing.

No. 2730. List $10.00.
No. 2731. List $12.00.
No. 2732. List $15.00.

Short Wave Panels

Panels drilled and equipped with screws, grid leads, ribbed bakelite tubing equalizers for National Short Wave Kit. No. 2740. List $7.25. YOUR PRICE...$4.26

National Short Wave SLF Equestile Condenser


Net...$2.65

National High Frequency Impedance

Designed for use in the grid circuit of a middle wave screen grid tube when employed for radio frequency amplification. Makes possible the construction of a single control short wave receiver.

Net...$59c

TRANSmitting TUBES


$6.23

National Precision Velvet Vernier Dial

Precision vernier dial designed for laboratory apparatus where it is necessary to calibrate readings to one-sixth of a dial scale division. Ideal for the amateur who uses short wave apparatus. Scales are of solid German silver engraved in black. Vernier reduction 5 to 1 ratio. Wt. 10 oz. List...$13.00.
No. 1922. 100-0-100. List $12.00.
No. 1923. 100-0-100. List $12.00.
No. 1924. 200-0-200. List $15.00.

$1.75

Interchangeable Short Wave Coils

A set of three highly efficient low loss interchangeable inductances complete with base. Covers wave length range 20 to 250 meter dial. Tuned with one 0.6004 and one 0.6007 and one 0.60065 condenser.

No. 1180. List $3.50.
No. 1181. List $3.50.
No. 1182. List $3.50.

$1.15

 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 all directions, making it possible to eliminate dead spots in tuning. The resistive coils are spaced to eliminate detuning of the secondary. Wt. 1 lb. List $5.90. Complete set with base. List $8.50. YOUR PRICE...$5.00

Ellis Short Wave Coils Interchangeable

Precision made short wave interchangeables. 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 all directions, making it possible to eliminate dead spots in tuning. The resistive coils are spaced to eliminate detuning of the secondary. Wt. 1 lb. List $5.90. Complete set with base. List $8.50. YOUR PRICE...$5.00

National Vernier Dial, Type E

Enbodies 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 $1.62.
No. 1926. Illuminator for Type E Dial List $5.29.

$0.75

NATIONAL RF CHoke

Designed to plug in standard grid leak mounting. Efficient over very wide range of frequencies as low as 15 meters. Inductance value 50 MH. D. C. resistance .2 ohms. No. 2747. List without mounting. $1.25. NET...$1.25
No. 2748. List without mounting. $1.60. NET...$1.60

106
National Transmitting Condensers

One of the finest types of high voltage condensers that can be made. These are double of triple spaced models, ruggedly built of aluminum plates and are supplied in all standard and extra sizes.

<table>
<thead>
<tr>
<th>PRICE</th>
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<tr>
<td>$7.35</td>
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No. 3023. .0001 mf.-6000 volts. List $7.50. NET
No. 3024. .00015 mf.-3000 volts. List $7.50. NET
No. 3025. .0002 mf.-2000 volts. List $11.50. NET
No. 3026. .00045 mf.-3000 volts. List $16.50. NET

R.E.L. Transmitting Inductances

The finest of low-loss construction. Pyrex glass insulated beryllium copper furnished in various sizes. Perfectly balanced magnet wire strip. Suitable for anything from a receiving transformer to a magnet coil. All made in two classes, type A, 5 inches in diameter, for 4.80 and 150 MHz bands; type B 3.2 inches in diameter for 20 MHz bands 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.

Set: .002A., single unit... $3.85
No. 2757. Type T, single unit.. .35
No. 2758. Type S, single unit. .35
No. 2759. Type L, double unit... 7.70
No. 2760. Type S, double unit... 7.70

Code Practice Set

Set consists of 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 past or war will become accustomed to the various combinations of dots and dashes representing different letters and numbers. Chart included with set. Base size 4 inches long by 4 inches wide. Wt. 4 lb.

No. 2560. Each.. $2.89

Amsco Duo Space

New double space condensers. Precision tuning units for short wave receiver. Wide capacitance for improved circuit flexibility. Excellent high frequency characteristics. Recommended for short wave receivers.

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No. 3168. .0001. List $1.90. NET $1.12
No. 3169. .00025. List $2.00. NET $1.18

Short Wave Plug-In Coils

A set of four coils which make possible reception on all wave lengths between 151 and 210 meters.

Tuned with .00015 condensers. The coils are wound on mounted bakelite forms, with a standard U.S. type tube socket as base. The winding consists of the proper number of turns of spaced enamelled copper wire. Low-loss construction. Wt. 8 oz.

No. 2676. List $3.50. YOUR PRICE $2.06

Amateurs' Shortwave Section

De Jur Shortwave

Accurate, matched variable condensers. Low minimum capacity. Hardened bearing for highly efficient condenser construction. Sensitivity and noiseless action insured.

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No. 3078. .0001 mf. $1.76

Pilot Shortwave

Removable shaft condensers. Highly efficient, accurately built variable condenser for short wave receivers.

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No. 3174. .0001. List $4.00. NET $2.35
No. 3175. .00025. List $4.25. NET $2.50

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 16 short wave authorities in QST. Great distances can be covered on low power with this efficient transmitter. Any type tube may be used-192, 301A, 321, 112. May be used on any power supply-B batteries, B Eliminator, Motor generator or AC from a transformer. May be used as the rectifier is connected to the tube. May be used on any wave length from 15 to 100 meters. Panel size 7½ by 2 inches. Depth, 9 inches. Shipping wt. 15 lbs.

No. 2671. List $17. Transmitter. List $38.00. NET $22.50

Air King Shortwave Plug-In Coils

The new Air King Short Wave Kit consists of three plug-in coils ranging from 90 to 150 meters (when tuned with a .00014 condenser) and a plug-in baffle with variable primary. Each coil accurately space-wound on a bakelite squash cage form, with ribbed threads to lock each turn in place. Perfect connection assured by double contact between coil prongs and the jacks in the base. Wt. 12 oz.

No. 2663. List $7.35 YOUR PRICE $7.25

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 insulated to the frame and binding post is insulated through insulated spring-bronze coil. Insuring noiseless action, efficient and the condenser resistance is negligible. Wt., Plates 1 oz.

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No. 1039. 1 oz. $3.67
No. 1038. 2 oz. $3.67
No. 1137. 3 oz. $3.67

Pilot Midget Condenser

Exceptionally efficient low loss variable condenser adaptable for short wave receivers as series antenna control and temperature control. Wt., 8 oz.

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No. 3183. .00025. List $2.75. NET $2.75

Airway Precision tuning for short wave receivers. Wide capacitance for improved circuit flexibility. Excellent high frequency characteristics. Recommended for short wave receivers.

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No. 2670. EACH.. $2.69

Radio Frequency Choke

A characteristic efficiently choke coil for the short wave sets. Accurate and dependable. Built-in insulation is efficient. Durability and results. Wt. 8 oz.

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No. 2668. List 90c. YOUR PRICE 53c
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 your distance reception easy without the great interference characteristic of the higher bands. Complete four tube short wave kit.
Shipping weight, 11 lbs. List, $51.00. NET...
$29.99
No. 6999. 791 Two Tube Adapter. Converts any set to short wave. Shipping weight, 8 lbs. List, $36.00. NET...
$21.17
No. 1060. 792 Round the World Essential Kit. Shipping weight, 3 lbs. List, $16.50. NET...
$9.70

SM Short Wave Midget Plug in Coils
Short wave, super wound, low loss coils will fit any four plug X type socket. Weight, 8 oz. each.
No.
1001. 100-P Coll form not...
No. 1002. 100-T Coll form...
1003. 131-T Coll, 17.4 to 32.1 meters, for 0.001 condensers...
1004. 131-T Coll, 31 to 58 meters, for 0.0001 condensers...
1005. 131-V Coll, 57 to 110 meters...
1006. 131-W Coll, 104 to 294 meters...

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 in. in diameter of flange.

TRANSMITTING CONDENSERS

R. E. L. Type A Wave-meter
Range 17-550 Meters
A wave-meter is essential equipment for any amateur transmitting station. Particularly adapted for short wave receiving and sending work and laboratory work. Enables you to check up on transmitting efficiency and keep your proper wave length. A very sensitive resonance indicating device is supplied with this wave-meter. Totally shielded—non-interfered by side influences. Retains accuracy permanently. Equally effective on receive, but suitable curve charts are included.
Shining weight, 5 lbs. List...
$16.50
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 methods are fully covered in a masterly way, and in such a manner that the novice will be able to work out a problem that has been perplexing him. Fully profusely illustrated with correctly printed diagrams and full details of each circuit described. Wt. 1 lb. No. 4303. Retail, 50c. YOUR PRICE...

32c

Radio Encyclopedia

A complete radio reference work. Not a dictionary—an Encyclopedia covering every phase of radio transmission and reception, and all related subjects. Authentic. Contains 449 graphs, drawings, and diagrams. 1000 pages describing all modern and old reliable circuits. Thoroughly explains all radio apparatus and permits radio work. It is easy to locate troubles with this handy book. Trouble shooting and repairing radio work is thoroughly covered with many practical short-cuts. Contains complete data on modern radio receivers. 47 illustrated pages. Every radio dealer and set owner should have a copy. Wt. 6 oz. No. 4310. Retail, 50c. YOUR PRICE...

$1.45

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 Consrad. This is the latest at a real price. Fully illustrated. Wt. 10 oz. No. 4012 List 50c. Net 32c

RADIO Up-to-the-Minute

A new revised edition of this famous book. Describes fully the many-up Paula triumphs of radio research. Defines in detail, with illustrations and diagrams, how to build all sorts of receiving sets. Pages profusely illustrated. Wt. 1½ lbs. No. 4317. Retail, $1.25. YOUR PRICE...

93c

How to Build a Modern Loud Speaker

Latest data on modern speakers. A complete treatise. Wt. 10 oz. No. 4316. List, 50c. NET

33c

Radio Hand Book

Explains all recent developments in radio. 112 pages profusely illustrated. Wt. 1 lb. No. 4309. Retail, 50c. YOUR PRICE...

32c

Baffle Boards

Designed for use with Dynamic and Magnetic cone reproducer, so as to prevent air waves on both sides of the cone from alternately neutralizing and reinforcing each other, and thus interfering with efficient reproduction. Will accommodate cones with diameters of 5 in. to 2 in. Net. 1 oz. No. 4670. List, 1.05. YOUR PRICE...

$1.05

TOOL CHEST

Contains 10 practical tools, designed by men who know what was exactly required for radio work. Contents consist of 3 and 4 way switches, screwdriver, wrench, reamer, counter-sink, pliers, center punch, socket wrench set for hexagon and knurled nuts, and 3 wrenches for hexagon nuts ranging from 1/8 to 1/2. Packed in attractive box. 6 by 6 by 6 in. No. 2474. List, Price: $1.00. YOUR PRICE...

$1.76

Tobe Light Socket Aerial

A four purpose light socket aerial. Saves cost and trouble of outside aerial lighting equipment, permitting use of electrical outlet. Minimizes static and sharpens tuning. Wt. 1 oz. No. 4200. List, 50c. 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 60 meter bands with a mounting base. Covers 15 to 140 meters with .0014 condenser. Designed so that the primary coil is adjustable in a slide and swivel, assuring the elimination of dead spots in tuning. Wt. 2 ozs. No. 2678. List, 5.00. 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 Shielde 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 finish which is a lasting touch to any audio system.

Genuine Silicon Steel Core

Highest grade German Silicon Steel is used in the manufacture of the Shielde Special. The coils are wound to our special winding procedure, vacuum insulated, ensuring long life and freedom from shorts. The attractively finished case is approximately 2 lb square. It is finished in glossy black lacquer. Nothing has been overlooked in the manufacture of the Shielde Special to make it one of the most unusual transformer values on the market today. It can be used in all standard kits, and is highly recommended as a replacement unit for use in repair work. Wt., 1/2 lbs.

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 transformer for use in all audio systems. Retail, $4.00.

6 to 1 Ratio
No. 2101. A high ratio transformer for use in all audio systems. Retail, $4.00.

All American Transformers


Samson Famous Helical Wound Transformers

No. 2006. 8 to 1 Ratio. Manufacturers. Retail $5.00. YOUR PRICE $2.94.

No. 2007. Symphonie. Retail $10.00. YOUR PRICE $5.00.


Thordarson Push Pull Audio Transformers

Input
A 1 to 1 ratio input unit for use in push-pull amplification. Provides a smooth, flat frequency response. Wt., 3 lbs.

No. 1964 Type T-2400. Retail $8.00. YOUR PRICE $5.70.

No. 1962 Type T-2922. Input unit have 3 to 1 ratio. Wt., 3.9 lbs. Retail $4.50. YOUR PRICE $5.70.

Push Pull Output
A speaker push pull output transformer for 250 tubes. Wt., 3 lbs. Retail $12.50. YOUR PRICE $7.06.

No. 1964 Type T-2420. Retail $5.00. YOUR PRICE $5.70.

No. 1965 Type T-2400 Out- put. Doubs four 250 tube into high impedance push pull. Retail $4.50. YOUR PRICE $5.70.

Push Pull Interstage
A 250 tube output to two 250 tube into high impedance output. Wt., 3 lbs. Retail $12.00. YOUR PRICE $5.70.

Thordarson Autoformer

No. 2028. High impedance coupling. 3 stages are required. Retail, $2.50. YOUR PRICE $2.94.

THORDARSON SPECIAL SPEAKER COUPLING TRANSFORMERS

Protects the speaker windings against high plate current of power tubes. Wt. 2-3 lbs. Retail $3.50.

No. 1967. Type R-76. Used in coupling output of 125 tube into high impedence speaker. Retail $6.00. YOUR PRICE $3.53.

No. 1968. Type T-2076. Similar to type R-76.splitted out of 125 tube into high impedence speaker. Retail $6.00. YOUR PRICE $3.53.

No. 1969. Type T-2901. Couples output of single 250 power tube into high impedence speaker. Retail $12.00. YOUR PRICE $7.06.

No. 1970. Type T-2902. Couples output of single 250 power tube into high impedence speaker. Retail $12.00. YOUR PRICE $7.06.

No. 1969. Type T-2901. Couples output of single 250 power tube into high impedence speaker. Retail $12.00. YOUR PRICE $7.06.

No. 2029. Type 196 Choke. A 39 Henry Choke for "R". Eliminates phase cancellation. Core is 1 in. in diameter. Core is 4 in. long. Made by G. G. Rees. D.C. out of loud speaker. Retail $5.50. 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 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 3 1/2 x 3 1/2 x 3 1/2 in., and can be installed in any receiving set, either over or under the sub-harmonic eliminator. It is an ideal replacement for a reliable, yet low priced, replacement audio transformer of this type.

No. 1971. Regular $5.00 value. OUR SPECIAL PRICE TO YOU. ONLY.
## Audio Transformers and Chokes

### Acme Audio
- New popular audio transformer, providing greater amplification without distortion. Practically equal to a high grade silicon steel transformer. Produces high and low notes equally well without distortion. Provides maximum amplification. Wt. 3 lbs. $3.50. YOUR PRICE...

### Hedgehog Audio Transformers
- For use in portable sets and all circuits where space is limited. The smallest audio frequency transformers. 10 different ratings. Very efficient. Wt. 1 lb. $1.96. YOUR PRICE...

### Muter RF Choke Coils
- A highly efficient RF choke, specified for many leading circuits. Single hole mounting. Wt. 8 oz. $1.00. YOUR PRICE...

### Samson Choke Coils
- Samson Choke Coils are well known for high efficiency and excellent design. $3.25. YOUR PRICE...

### Pilot Bakelite Case Audio Transformers
- High grade audio units designed for industrial applications. Wt. 4 lbs. $1.00. YOUR PRICE...

### Karas New Audio
- New improved transformers in concentrating many features. Extremely flat curve results in true amplification of both high and low frequencies alike. Wt. 2 lbs. $2.35. YOUR PRICE...

### Karas Universal Audio
- New, efficient, small audio. Low in price, but superior to most high priced transformers. Recommended for replacement purposes. Wt. 2 lbs. Shielded. List $3.00. YOUR PRICE...

### Jefferson Star Audio Transformers
- A small, compact, highly efficient transformer, that supplies the demand for a good low priced audio unit. Ratios from 1 to 1 to 3.5 to 1. Ratio. $2.75. YOUR PRICE...

### Jefferson Concertone Audio Transformers
- The new concertone covers the entire audible range of frequencies. Reproduces both high and low notes equally well. Fully sealed in a new design. $3.50. YOUR PRICE...

### Jefferson Replacement Audio Transformers
- A high grade audio transformer designed for replacement units. Can be installed in almost any receiving set, either over or under the sub-woofer. Wt. 2 lbs. $1.00. YOUR PRICE...

### Knight Audio
- The Knight Audio Transformers attain a new standard of excellence for quality and reproduction with the same efficiency over the entire range of audible frequencies. The Knight is so designed that the primary and secondary coils are wound separately. The primary coils are insulated and sealed against atmospheric conditions. A high output transformer with nickel trimmings forушки. An exceptional value. Wt. 2 lbs. $1.00. YOUR PRICE...

### New Silver Marshall Audio
- No. 951. Type 223 Hi-Fi Audio. Used between GE CX 221 stage screen grid tube. At $5.00. YOUR PRICE...

### S-M Standard
- No. 1065. Standard Type 251 Audio. Wt. 5 lbs. $4.70. YOUR PRICE...

### Model 1064
- Type 221 Output. High grade audio. $5.00. YOUR PRICE...

### Model 953
- Type 223 Push-pull Output. Used with type 221 tubes. $6.00. YOUR PRICE...

### Model 957
- Type 242 Microphone. Wt. 3 lbs. $4.10. YOUR PRICE...

### Model 518
- Type 247 Filament. Supplies current to AC filaments. $4.12. YOUR PRICE...
Hammarlund Jr.

Midget condenser of distinctive design and workmanship. It features a sturdy and simplified construction. One-hole mounting. The plates may be fixed in any desired position. Base mounted, bakelite dielectric. Complete, with bakelite knob. No. 3100, 0.0005, $1.50. No. 3101, 0.00025, 3.00. No. 3104, 0.0001, 5.00. Retail: $3.50. Your price...

Remler Twin-Tube Condenser

New Doulbe single and double condensers, 304" long, for greater separation. Wroked connoted frame. Double rotors. Genuine bakelite dielectric. Complete. With double condensers, $1.50. With triple condensers, $2.00. Specified for all the latest kits and circuits.

Single Condensers

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Triple Condensers

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Hammarlund Midline

A scientifically designed precision condenser. The specially shaped, rigidly riveted plates provide easy tuning on low waves. Adjustable shaft permits ganging. Rugged and compact in design.

Single Condensers

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Two and Three Gang Condensers

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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. Actually shown for single control circuits. Highly polished end plates. Extremely low losses. Very excellent. One of the feature condenser units. WL. 3 lbs.

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New Hammarlund Multiple Midline

Barstow Model

Die cast frame matched within 1/4 of 1%. Double Units

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<tr>
<td>.00045</td>
<td>$19.50</td>
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</table>
Variable Condensers of Quality

Karas Orthometric Condensers


1038. 0.0014 $6.25 3.67
1037. 0.0025 6.50 3.81
1041. 0.0037 6.75 3.97
1046. 0.0065 7.00 4.12
1036. Cap. 0.0037 with extended shaft. List, $6.75

New Karas S. F. Condenser

Another Karas fine condenser. Removable shaft allows ganging. Subpanel, board or single hole mounting. Wt., 1¼ lbs. YOUR PRICE

No. Cap. List NET
1048. 0.0025 $5.00 2.94
1047. 0.0037 5.25 3.09
1046. 0.005 5.50 3.23

Pilot Centraline Capacigrad

A straight line frequency condenser which is improved to a great 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

3036. 0.0016 $1.90 93c
3037. 0.0025 2.10 1.05
3038. 0.0035 2.30 1.15
3039. 0.005 2.50 1.22
No. 3040. Coupling unit for gang- flying condensers. List, 45c. YOUR PRICE...25c

Pilot Midget

Well constructed, neat appearance. Intended for use as vernier adjustment in tuning condensers, for balancing and neutralizing adjustments. Two sets screws and for oscillation control. Wt., 8 oz. No. Cap. List NET

3151. 0.00015 $0.90 53c
3152. 0.00025 .90 53c
3153. 0.0005 90c 56c
3154. .001 1.40 82c

CONDENSER SHAFTS

1/4 in. Diameter. 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 Pigtail. YOUR PRICE...24c

No. 3162. YOUR PRICE EACH...

A New Multiple Condenser

ADJUSTABLE TENSION

Special sets 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-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 .00535. Wt. 4 lbs.

No. 3163. Three Gang. List, $10.00. YOUR SPECIAL..345
No. 3164. Four Gang. List, $12.50. YOUR SPECIAL...445

Quaker Condensers

A sturdy condenser, safe and housed in a stamped aluminum frame. Double rotor permits turning in gang form also can be reversed a short distance so left hand or right hand tuning. Motor and stator plates of highly finished heavy brass, single hole mounting design. Wt., 2 lbs.

No. 3165. $6.75
3166. $6.75
3167. $6.75
List each, 85c. YOUR PRICE...each 85c

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
3168. .00016 $1.90 1.12
3169. .00025 2.00 1.16
3170. .00035 2.15 1.26
3171. .0005 2.25 1.32
No. 3172. .00035, List, $4.50. YOUR PRICE...TRIP CONDENSER...3.53
No. 3173. .00035, List, $6.00. YOUR PRICE...TRIP CONDENSER...3.53

AMSICO CONDENSERS

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 condenser and for 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
No. Double Unit List NET
3178. .00035 9.00 5.29
3179. .00035 11.00 6.47
3180. .00035 13.50 7.94
3181. .00035 18.00 10.58

AMSICO S. L. F.

A precision constructed straight line frequency condenser. In aluminum frame, flexible pigtail connections, and rotor shaft of chromium nickel steel, assures efficiency and durability. Wt. 2 lbs.

No. List NET
3182. .00014 $3.50 2.06
3183. .00025 2.75 1.62
3184. .00035 3.00 1.70
3187. .0005 3.50 2.06

113
The New Vernier 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—implies a new enjoyment of the routine tuning. Illuminated from behind, the translucent calibrated dial strips 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 craftsmanship. Condenser may be mounted on either right or left hand side.

Beautiful Escutcheon Plate
Furnished complete with a beautifully etched and embossed panel escutcheon, drilling template and a six volt bulb for illumination.

A Regular $6.25 Value
Ordinarily this dial would actually cost two to two and one-fourth 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 $1.98 W/I bulb.

Remler Drum Dial

An Innovation in Drum Dial construction. Dial may be used with either single or dual condensers. No back lash of any nature. Dependable tuning. Depth required back of panel only 3 inches. Structure, template and extra calibration strip with each dial. Wt. 2 lbs.

No. 1901. List $4.50. YOUR PRICE $2.65

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 B.L.W. single condensers.

No. 1902. No. 112 Single Control. List $5.50. YOUR PRICE $3.23 Wt. 2 lbs.

The New Silver-Marshall Drum Dial

Precision dial that provides easy tuning. Standard Gold Etched scale, complete with walnut knob, but without panel window. Wt. 3 lbs.

No. 1906. Left Hand Drive. No. 1907. Right Hand Drive. Dial $3.50. YOUR PRICE $1.47

Dial Window

No. 1908. Window for above dial. Attractive Antique Brass finish. 9 oz. Retail $1.15. YOUR PRICE $2.95

Single Control Escutcheon

No. 1909. Control panel for one dial. Combines volume control, on-off switch, and sensitivity control. Size 6¼ x 3½ in. Dial $4.25. YOUR PRICE $1.32

Dual Control Escutcheon

No. 1910. Control panel for two dials and auxiliary control. Measures 6½ x 2¼ in. Antique Brass finish. Wt. 9 oz. Retail $5.25. YOUR PRICE $1.62

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 other types. An automatic spring takeover assures positive drive at all time. 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 $1.00. YOUR PRICE $2.35

New Pilot Illuminated Drum

Electrically, mechanically and artistically the New Pilot knob control type drum dial is a national marvel. Metal-to-bakelite drive combination which actually improves with use. Attractive plate design enhances any set panel. Walnut knob. Wt. 1½ lbs.

COMPLETE WITH LAMP

No. 1914. Single drum with bulb. List $3.25. YOUR PRICE $1.90

No. 1916. Double drum with bulb. Wt. 2 lbs. List $5.75. YOUR PRICE $3.35

Marco Bakelite Dials

An attractive, yet economical dial of black bakelite with heavily nickedelized silver bands. Provides "sure" and accurate tuning. Good for sets where the listener enjoys distance. Marco has long been the popular and accepted standard of experimenters and short wave operators. Template, easily mounted. Wt. 3 oz.

No. 1911. 0-100. List $8.00. YOUR PRICE $5.85

No. 1912. 100-0. List $8.50. YOUR PRICE $6.15

No. 1913. Illuminated 0-100—100-0. List $2.50. YOUR PRICE $1.47

The New B.L.W. Diamond Vernier Dial


No. 2223. List $1.00. YOUR PRICE $7.76

National Dials

The most popular dial of this type. Provided with the unique metal dial 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. 3006. Clockwise 200 to 0. List $3.00. YOUR PRICE $1.47

No. 3010. List $3.50. YOUR PRICE $1.76

Type C Nickel with Lamp

No. 3011. Clockwise. No. 3012. Counter clockwise. List $3.00. 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 $8.50. YOUR PRICE $5.68

114
The Season's Finest in Drums, Dials & Knobs

PILOT ILLUMINATED DIAL
Illustrated vernier dial. Friction drive and backlash. Translucent scale using small vernier lamp for illumination through window of attractive gracefully designed bronze escutcheon plate. New attractive deep drawn escutcheon plates.

**My Price, with bulb.**

- **No. 2225.** Single, List: $6.00. Net: $4.70
- **No. 2245.** Double, List: $12.00. Net: $7.05

**Genuine Bakelite Dials**

- **No. 2246.** Black, 2 in. 15c
- **No. 2247.** Mahogany, 2 in. 19c
- **No. 2248.** Black, 3 in. 22c
- **No. 2249.** Mahogany, 3 in. 25c
- **No. 2250.** Black, 4 in. 28c
- **No. 2251.** Mahogany, 4 in. 32c

**Marco Illuminated Drum**

**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. Small light mounted behind scale, illuminating it through the window.

- **No. 82289.** 0 to 100. $1.76
- **No. 82260.** 100 to 0. $1.76
- **No. 82201.** Marco 360°. Illuminated. For Remler, condensers. Wt., 1 lb. List Price, $3.00. **YOUR PRICE** $1.76

**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 thus made smooth without play or backlash. Popular, beautiful and efficient. Easily mounted to any set. Wt., 6 oz.

- **No. 2229.** 0 to 200. **LIST PRICE** $1.15. **YOUR PRICE** $1.00 Less 25c.
- **No. 2230.** 0 to 200. **LIST PRICE** $1.15. **YOUR PRICE** $1.00
- **No. 2231.** 100-0-100. **LIST PRICE** $1.15. **YOUR PRICE** $1.00

**New K-K Miniature Port Dials**
New Miniature dial same as above except it is 3 in. in diameter. Beautiful with working vernier. A real value. Wt., 6 oz.

- **No. 1918.** List: $1.25. **YOUR PRICE** $1.15

**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 1/4). Net 15c
- **No. 1920.** Large Size (1 1/4). Net 10c

**BAKELITE POINTER KNOBS**
Genuine Bakelite molded with pointer. Finely tapered and milled knob. Fits 1/4 in. shaft. Pointer gracefully tapered and gold etched. Exceptional value 3 1/4 in. diameter with 1/4 in. pointer. Wt., 2 oz.

- **Black, No. 2262.** 15c
- **Mahogany, No. 2253.** 17c

**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.** 15c

**BAKELITE POINTERS RHEOSTAT KNOB**
Black Bakelite fin- ly finished small point- er 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.** 12c
- **Mahogany, No. 2226.** 15c

**HAMMERLUND DRUM DIAL**
The latest product of Hammerlund. Beautiful escutcheon plate, wire drive, illuminated; a wonderful product. Wt., 1 lb. **LIST PRICE** $2.35. **YOUR PRICE** $2.00

**REPLACEMENT BULBS**
No. 2256. Tiny Mazda lamp for all types illuminated vernier and drum dials. Also for pilot, lights and switches. Works off 6-volt battery. **YOUR PRICE** 15c
The New Low Loss Coils, Tuners & Chokes

**Browning Drake Coils**


**Screen Grid Shielded Plug-In Coils**

For 222 Tubes

A new type of plug-in coil designed for either A-C or battery operated sets. When these coils are properly connected in the recommended circuit no other shielding is necessary to suppress oscillation. Used with .0005 condenser and costs the usual 200-550 meter band. Wt. 1/4 lbs.

No. 2664. List per Set $12.00. YOUR PRICE...

**New Browning Drake Small Space Wound Coils**

Improved 2 inch space wound coil. Has slot-wound primary secondary tuned with .0005 Condenser. Antenna coil tuned with .0005 Condenser. Enamelled wire makes for durability and dependable operation regarding loss of alinement.

No. 2665. List $1.75. YOUR PRICE $1.00.

**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 tickler coil for regeneration. Tuned with .0005 condenser. No. 2662. Wt. 1 lb.

List $5.00. YOUR PRICE $2.35.

**Benjamin Leakeless Short Wave Choke**

Of basket weave type construction, space wound by special process. Adaptable for use with .0005 and .0006 condensers. Used with .0005 S. or L. F. Condensers. Wt. 1 lb, 6 oz. No. 2667. List $1.50.

YOUR PRICE...

**Bodine Twin 8 Short Wave Converter Plug**

An efficient coil for A-F. circuits where it is desired to easily control oscillation. Extremely low loss. Technically, the magnetic field is concentrated entirely within the coil itself. Recommended for its many uses. Wt. 1 lb.

No. 2672. List Price $2.00. YOUR PRICE $1.18.

**Shielded Plug-In Coils**

A kit of three shielded plug-in R. F. coils designed for use with the new type 222 A-F. tubes. Will cover the wave band of 200 to 550 meters when tuned with .0005 condenser. Scientific means of shielding assures elimination of practically all oscillations. Wt. 2 oz. No. 2669. List per Set $3.50. YOUR PRICE...

**Three Circuit Tuner**


**RF Coil to Match Low Loss Tuner**

List $4.45.

**Low Loss Tuner**

A good 180 degree Low Loss Tuner, silk wire wound. A tuner that experimenters will prefer. Packed individually. Wt. 14 oz. No. 2673. List $9.50. YOUR PRICE...

**R. F. Choke**

A sturdily constructed choke entirely encased, making it air and moisture proof. Base or panel mounting. Convenient binding posts simplify wiring. Wt. 6 oz. No. 2674. List $7.50. YOUR PRICE...

**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 a .0005 condenser), and a plug-in base with variable condenser. Each coil accurately space-wound on bakelite enclosed race form, with ribs and perfect connection assured by double contact between roll points and the jacks in the base. Wt. 12 oz.

No. 2663. List per Set $12.50. YOUR PRICE...

**Short Wave Plug-In Coils**

A set of four coils which make possible reception on all wave lengths between 200 and 210 meters. Tuned with .00015 condensers. The coils are wound on bakelite coil cores, with standard UX type tube socket as base. The windings are properly spaced for low resistance operation. Wt. 6 oz. No. 2676. List per Set $3.00. YOUR PRICE...

**Basket Weave Coils**

Low loss self supporting coils packed individually. Wt. 1 oz. No. 2675. List $1.90. YOUR PRICE...
Space Wound Plug-In Coils

Tuning inductances that are decidedly different both in design and efficiency. More simple coil on market to install. Mounts in ordinary UX type socket. Positive contacts insure good results. Tuned with .00011 or .0017 and one .00035 condenser. Wt., 1 lb.

Furnished in matched sets of three.

\[
\text{No. 2272, List Price, $1.18. YOUR PRICE... } \text{ Per Set}
\]

\[
\text{No. 2655, List $5.00. YOUR PRICE...}
\]

**Six Tube Coil Set With Antenna Inductance**

A high grade T. R. F. 6-tubo essential kit, consisting of 3 Bakelite Space Wound and Thru-Wound 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 low cost for home set builders and experimenters. Requires 3 .00035 condensers or 1 3-gang condenser.

\[
\text{Wt. 1 lb.}
\]

\[
\text{No. 2314. List, each, $1.00. YOUR PRICE...}
\]

**Short Wave Coil Kit**

Set of 3 Interchangeable low loss short wave coils, complete with base. 20 to 250 meters. Tunes with one .00011 or .0017 and one .00035 condenser. Wt., 1 lb.

\[
\text{No. 2272, List Price, $3.50. YOUR PRICE...}
\]

\[
\text{No. 2655. List $5.00. YOUR PRICE...}
\]

**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 condenser.

\[
\text{Wt. 12 oz.}
\]

\[
\text{No. 2271, List $1.00, Set of Three. YOUR PRICE...}
\]

**Space Wound R. F. Coils**

Accurate R. F. Coils of the efficient space wound type. Enamelled wire on bakelite tubing makes for low loss. May be used with multi-gang condensers for single dial control or on regular 3-gang condensers. Tuned with .00035 condenser. Wt. 6 oz.

\[
\text{No. 2315, List Sets of 3, $3.00. YOUR PRICE...}
\]

**Antenna Inductance**

A new Antenna Inductance for first RF stage in single control circuits to compensate for antenna variations.

\[
\text{List Price, 75c. YOUR PRICE...}
\]

**Dubilier R. F. Duratran**

A popular self-tuned transformer requiring no permanent condenser. Usually employed in Reflex circuits. This transformer simplifies construction of set. Wt. 1 oz.

\[
\text{No. 2115, List $4.00. YOUR PRICE...}
\]

**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. 1 oz.

\[
\text{No. 2116, R-2 1st stage. 2117, R-3 2nd stage. 2118, R-4 3rd stage. List, $1.75. YOUR PRICE...}
\]

**DeForest Coil Mounting**

Mountings for popular DeForest coils and bakelite. Low loss. Excellent for experimenters and amateurs choice.

\[
\text{No. 2279, 3 Coil Mts. List $5.00.}
\]

\[
\text{No. 2299, 2 Coil Mts. List $3.50.}
\]

\[
\text{No. 2281, Inside Coil Mounting. List Price, $6.00. YOUR PRICE...}
\]

**Fibre Coil**

Strap used for mounting high grade coils in connection with standard coil plug. Two foot length.

\[
\text{No. 2399, YOUR PRICE...}
\]

**Honeycomb Coil Plug**

A superior molded bakelite plug that fits all standard mountings for honeycomb coils. For base or panel mounting.

\[
\text{Wt. 6 oz.}
\]

\[
\text{No. 2398, YOUR PRICE...}
\]

**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.

\[
\text{Wt. 1 lb.}
\]

\[
\text{No. 2653, Tuner List $1.03. YOUR PRICE...}
\]

\[
\text{No. 2654, R.F. Coil to Match Tuner. List $1.50. YOUR PRICE...}
\]

**Space Wound Plug-In Coils**

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 1½ inches in diameter and 2½ 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 203 and 200 to 500 meters. Wt. 1½ lbs.

\[
\text{No. 2656, List set per $8.50, YOUR PRICE...}
\]
Sockets and Tube Shields

**Bakelite UX Socket**
A high grade socket of genuine moulded bakelite. Small and compact—arranges are at a premium. Contacts are phosphor bronze, heavily silvered. Contact springs are firmly riveted into the base.

*Positive Side Wiping Contacts*. These sockets are adaptable for sub panel mounting. (See next page.)

**Dejur UX Socket**
Shock-Proof

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<th>Model</th>
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<td>No. 2201</td>
<td>29c</td>
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**Frost UX Socket**
No. 2215. An efficient socket with German silver springs which eliminate practically all the entire length of the tube prongs. Genuine molded bakelite. Highly polished. Wt., 4 oz.

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<th>Model</th>
<th>Price</th>
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<td>No. 2215</td>
<td>24c</td>
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**New Eby UX Socket**
No. 2212. Eby sockets can be mounted above or below sub panel. Genuine molded bakelite with built in guide for tubes. Phosphor bronze contacts.

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**Universal Socket**

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<th>Price</th>
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<td>No. 2204</td>
<td>29c</td>
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**Set Builders' Socket**
Na-ald Sockets
These are the new UX tubes. They provide free motion in all directions. Positive phosphor bronze triple locked contacts. Genuine molded bakelite.

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<th>Model</th>
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<tr>
<td>No. 2204</td>
<td>35c</td>
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**Carter Tube Shields**
Designed for the new type UX tube shield grid. The shield consists of a milled aluminum base. Top of tube shield is recommended for placing the connector on the grid terminal of the tube. (For the tube shield.)

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<td>No. 2212</td>
<td>24c</td>
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**Sub Panel Sockets**
Extra Heavy Spring
No. 2267. For A.C. Tubes. Extra heavy spring shield grid tube. Ideal for use with the tube shield. Wt., 4 oz.

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<th>Model</th>
<th>Price</th>
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<tr>
<td>No. 2267</td>
<td>29c</td>
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</table>
### Rheostats, Volume Controls, etc.

#### Our Metal Rheostats

A metal frame, ruggedly constructed rheostat. Provided with knob. For general use. USE 6 oz.

| No. 3571 | 4 ohm. | List, 75c each | YOUR PRICE, 34c |
| No. 3572 | 6 ohm. |
| No. 3573 | 10 ohm. |
| No. 3574 | 20 ohm. |
| No. 3575 | 25 ohm. |
| No. 3576 | 30 ohm. |
| No. 3577 | 40 ohm. |

**Metal rheostat with filament switch.**

Wt. 8 oz.

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. Set builders' special. USE 6 oz.

| No. 3630 | 6 ohm. |
| No. 3631 | 10 ohm. |
| No. 3632 | 50 ohm. |
| No. 3633 | 100 ohm. |

List in YOUR PRICE, 44c

#### Gem Rheostats

With Switch. Wt. 6 oz. Reduces panel controls. Positive action. USE 6 oz.

| No. 3534 | 6 ohm. |
| No. 3535 | 10 ohm. |
| No. 3536 | 30 ohm. |

List, $1.00. YOUR PRICE, 59c

#### Gem Potentiometers

Some general construction in metal. Black pointer knob included. USE 6 oz.

No. 3538 | 200 ohms. List, $1.00. |
No. 3539 | 400 ohms. YOUR PRICE, 59c

---

#### Carter Midget Rheostats

Complete with Black Arrow-pointer Knob. Only 1.5 inches in diameter. USE 6 oz.

| No. 3525 | 100 ohms. |
| No. 3526 | 300 ohms. |
List, 75c. YOUR PRICE, 29c

#### Carter Midget Potentiometers

A handy device. Ruggedly constructed for the new A.C. sets. USE 6 oz.

No. 3518 | 200 ohms. |
No. 3519 | 400 ohms. |

List, 75c. YOUR PRICE, 44c

#### Carter Midget Volume Controls

Compact and reliable. Shunted across Aerial and Ground. In the new A.C. sets it makes ideal volume control. USE 6 oz.

| No. 3525 | 1000 ohms. |
| No. 3526 | 3000 ohms. |
List, 75c. YOUR PRICE, 59c

#### Carter Midget Rheostats With Switch

Simplifies panel controls by substitution of one small device. Designed for use on "inch" set builders. USE 8 oz.

| No. 3507 | 3 ohm. |
| No. 3509 | 8 ohm. |
| No. 3510 | 10 ohm. |
| No. 3512 | 30 ohm. |
| No. 3513 | 25 ohm. |
| No. 3514 | 30 ohm. |
List, $1.00. YOUR PRICE, 59c

#### Carter Imp Rheostats

This small rheostat projects less than 3/4 inch back of panel. USE 6 oz.

| No. 3605 | 6 ohm. |
| No. 3606 | 10 ohm. |
| No. 3607 | 20 ohm. |
| No. 3608 | 40 ohm. |
| No. 3609 | 50 ohm. |
List, $1.00. YOUR PRICE, 59c

#### Carter Imp Potentiometers

All metal frame—self cooling. Same general design as Carter "Imp" rheostat. USE 6 oz.

| No. 3620 | 200 ohms. List, $1.25. |
| No. 3610 | 400 ohms. |
List, 75c. YOUR PRICE, 73c

#### Frost Potentiometers

Equipped with attractive pointer knob. USE 6 oz.

| No. 3660 | 200-ohm. |
| No. 3661 | 20-ohm. for A.C. Tubes. |
List, 75c. YOUR PRICE, 73c

### Self-Adjusting Rheostats

The automatic filament control. USE 4 oz.

| No. 3554 | 1-Amp Type. For all 201-A and 300-A type tubes. |
| No. 3556 | 112-ohm Type. For all 112 and 111 type tubes. |
| No. 3557 | For the 120 and 220 type tubes. |
| No. 3558 | 4V.199. For all 199, 299 and 2D-3 type tubes. |
| No. 3559 | No. 622 for 222. List, $1.10 each. |

#### Frost DeLuxe Bakelite Rheostats

No. 3655 | 2 ohm. |
No. 3656 | 6 ohm. |
No. 3657 | 10 ohm. |
No. 3658 | 16 ohm. |

List, $1.00. YOUR PRICE, 59c

#### DeJur Thermotrols

For Controlling Tube Filaments. USE 4 oz.

| No. 3535 | 1—25 Amp. 6 V. Bat. |
| No. 3536 | 2—5 Amp. 6 V. Bat. |
| No. 3537 | 2—06 Amp. 4 V. Bat. |
| No. 3538 | 3—17 Amp. 3 V. Bat. |
List, 75c. YOUR PRICE, 73c

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#### DeJur Thermotrols

For Controlling Tube Filaments. USE 4 oz.

| No. 3535 | 2—20 Amp. 9 V. Bat. |
| No. 3536 | 2—5 Amp. 6 V. Bat. |
| No. 3537 | 2—06 Amp. 4 V. Bat. |
| No. 3538 | 3—17 Amp. 3 V. Bat. |
List, 75c. YOUR PRICE, 50c

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**Product highlights:**
- **Rheostats, Volume Controls, etc.**
- **Carter Midget Rheostats**
- **Carter Midget Potentiometers**
- **Self-Adjusting Rheostats**
- **Frost Gem Rheostats**
- **Carter Heavy Duty Midget Rheostats**
- **Carter Hi-Watt Rheostats**
- **Carter Tapered Volume Controls**
- **Carter Imp Rheostats**
- **Carter Imp Potentiometers**
- **Frost Potentiometers**
- **DeJur Thermotrols**
### C. R. L. Radiohm and Modulators

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### Poly Claruplug

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### Electrad Tomatrols

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### Frost Universal Variable Resistances

**May be used as Modulators or for Oscillation Control**

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### With A-C Snap Switch

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### With Battery Switch

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### Carter Hi-Ohm Volume Controls

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### Carter Hi-Pot Volume Controls

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### Taxley Jr. Rheostats

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### Taxley Volume Control

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Resistance Kits, Resistances, Grid Leaks

De Jur Amplifier Kits

A low priced, completely wired and assembled amplifier constructed of reputable materials. Brings out the best possible tone quality in loudspeakers and tube testers. All necessary resistances and condensers are included. Ideal for increasing the volume of two, three and four tube sets. 

**Lynch Metallized Resistors**

Endorsed by leading manufacturers as dependable, noiseless and efficient. Guaranteed permanent accuracy within 1%.

- **Single**... - List... 50c. YOUR PRICE...... 29c
- **Double**... - List... 50c. YOUR PRICE...... 29c

**Polymet Grid Leaks**


- No. 4274. 25 megohm. List... 50c. YOUR PRICE...... 29c
- No. 4275. 5 megohm. List... 25c. YOUR PRICE...... 15c
- No. 4276. 1 megohm. List... 15c. YOUR PRICE...... 12c

**Mountford Variable Grid Leaks**

Variable grid leak mountable on standard type 4028. No... 4004. List... 50c. YOUR PRICE...... 23c

**Bretwood Grid Leak**

A quality product having smooth rectifier control. Range is from 0-10,000 ohms. Grid condenser is included. 

**Tubular Grid Leaks**

- No. 4006. Single mounting with bracket. List... 30c. YOUR PRICE...... 12c
- No. 4007. Double mounting (not pictured). List... 40c. YOUR PRICE...... 19c

**Mountford Kroblack Resistances**

A combination of resistances built to stand-up under "E" eliminator and in power units and amplifiers. Proper wattages must be used according to specifications to prevent breakdown. 

- No. 4367. 750 ohms. List... 3747. YOUR PRICE...... 32c
- No. 3736. 1000 ohms. List... 3746. YOUR PRICE...... 32c
- No. 3737. 2000 ohms. List... 3745. YOUR PRICE...... 32c

**Kroblack Resistors**

Kit of resistances specified for the Thordarson 510 Power Compact. Wt. 1 lb.

- No. 3755. Type M-210 for B-210 Power Compact. List... 45c. YOUR PRICE...... 2.65

**Aerovox Taped Resistances**

No. 4288. Type A. Taped at 3000, 2800, 1500, 1200. For CX380 or Haytren III amplifier with or without voltage regulator. Wt. 10 oz.

- List... 4200. 71c. YOUR PRICE...... 1.03

**Micamold Grid Leaks and Resistors**

Accuracy insured. Moulded under 50-ton pressure. Atmospheric pressure will not affect them. 

- No. 4008. 1 lb. List... 70c. YOUR PRICE...... 39c

**Aerovox**

For use in the Aerovox tubes, 4009. 25 megohm. List... 45c. YOUR PRICE...... 21c

**Polymet Planofier Kits**

Complete Kit comprising units of listed resistances matched for their consecutive use. All necessary resistances, condensers and wiring data included. A special for test builders at this price. Wt. 2 lb.

**Aerovox Pyrohm Resistances**

Made of the best grade resistive wire. Wound on refractory tubing. Porcelain coated and enameled. Considered the best grade of resistor for latest power or circuit purposes. Wt. 8 oz.

**Aerovox Wire Grid Resistances**

No. 4392. List... 100c. YOUR PRICE...... 1.03

**Bretwood Grid Leaks**

- No. 4006. Single mounting with bracket. Wt. 2 oz. YOUR PRICE...... 32c
- No. 4007. Double mounting (not pictured). Wt. 4 oz. YOUR PRICE...... 38c

**Polymet 3-Stage Resistance Kit**

Included are all necessary high standard Polymet parts such as condensers, grid leaks, resistances and mounting. Not difficult to assemble. Hi-Mu tubes produce most satisfactory results. See tube page 402B. List... 4.00. YOUR PRICE...... 2.20

**Mountford Kroblack Resistances**

A small variable grid leak that fits most standard mountings. Max: 50 megohms. Wt. 2 oz.

- No. 4006. List... 30c. YOUR PRICE...... 12c
- No. 4007. List... 40c. YOUR PRICE...... 19c

**Eagle Plunger Leaks**

A small variable grid leak that fits most standard mountings. Max: 50 megohms. Wt. 2 oz.

- No. 4006. List... 30c. YOUR PRICE...... 12c
- No. 4007. List... 40c. YOUR PRICE...... 19c

**Aerovox Resistors**

Combination of resistances for use with Thoraldarson 210 Push Pull Amplifier. Single 250 or Push Pull 259 Amplifier. Consists of one 750 ohm, one 10,000 ohm unit, one 4000 ohm unit, two universal taped resistors. This kit may be used with any 210 or 250 power amplifier with such wattages as may be secured. Wt. 1 lb.

- List... 4287. 5000 ohms. YOUR PRICE...... 3.82

**Lynch Resistor Mountings**

Leak proof mountings of highly polished genuine Bakelite. Single hole mounting. No condenser included. Wt. 2 oz.

- No. 4274. 25 megohm. List... 50c. YOUR PRICE...... 29c
- No. 4275. 5 megohm. List... 25c. YOUR PRICE...... 15c
- No. 4276. 1 megohm. List... 15c. YOUR PRICE...... 12c
- No. 4278. 10 megohm. List... 29c

**Resistances Moundings**

- No. 4006. Single mounting (not pictured). List... 40c. YOUR PRICE...... 32c
- No. 4007. Double mounting. List... 50c. YOUR PRICE...... 32c

**Kroblack Resistance Kits**

Kit of resistances specified for the Thordarson 150 Power Compact. Wt. 1 lb.

- No. 3754. Type M-210 for B-210 Power Compact. List... 45c. YOUR PRICE...... 2.65

**Aerovox 210-250 Resistor Kit**

Combination of resistances for use with Thoraldarson 210 Push Pull Amplifier. Single 250 or Push Pull 259 Amplifier. Consists of one 750 ohm, one 10,000 ohm unit, one 4000 ohm unit, two universal taped resistors. This kit may be used with any 210 or 250 power amplifier with such wattages as may be secured. Wt. 1 lb.

- List... 4287. 5000 ohms. YOUR PRICE...... 3.82

**Polymet Resistors**

Accurate resistors for the popular resistance coupled amplifiers. 

- Na. Mag. List PRICE
  - 4388. 0.005 $1.50
  - 4389. 0.010 $1.00

**Kroblack Resistors**

Kit of resistances specified for the Thordarson 510 Power Compact. Wt. 1 lb.

- No. 4392. 25 megohm. List... 45c. YOUR PRICE...... 2.65

**Tubular Grid Leaks**

- No. 3736. 1000 ohms. List... 3746. YOUR PRICE...... 32c
- No. 3737. 2000 ohms. List... 3745. YOUR PRICE...... 32c
- No. 3738. 3000 ohms. List... 3744. YOUR PRICE...... 32c
- No. 3739. 4000 ohms. List... 3743. YOUR PRICE...... 32c
- No. 3740. 5000 ohms. List... 3742. YOUR PRICE...... 32c

**Resistance Mountings**

- List... 4006. Single mounting. YOUR PRICE...... 32c
- List... 4007. Double mounting. YOUR PRICE...... 32c
Aerovox Non-Inductive Condensers

By-Pass

Non-inductive. Designed for general bypass use, at potentials of 200 volts D.C. or 125 volts A.C. Use Nos. 1261 through 1269.

Filter Condensers

These socket power and high voltage condensers are of the non-inductive type equipped with long, heart, flexible, rubber covered wire leads. Construction is rated with high safety factor. Cases are of uniform weight with convenient mounting feet. Wt. 12 oz.

TYPE 225—Maximum D.C. working voltage, 200: A.C. 125:

No. Mfd. Retail NET
1261. 25 $0.75 .73
1262. 25 .80 .81
1263. 25 .80 .81
1264. 25 .80 .81
1265. 25 .80 .81

Bakelite Case By-Pass Condensers No. 380 Series

To prevent all leakage between terminals, avoids all possibility of grounding condensers. Prevents high voltages from striking voltage of 200 D.C. or 125 A.C. Wt. 4 oz.

No. Mfd. Retail NET
1266. 1 $0.75 .78
1267. 1 .80 .81
1268. 1 .80 .81

Aerovox Bakelite Molded Condensers

Noted for accurate capacities being within 10%. Unaffected by extreme heat or cold. Genuine bakelite molded. Wt. 2 oz.

No. Mfd. Retail NET
3305. 35c .37
3306. .0005 35c .37
3307. .0010 40c .41
3308. .0010 40c .41
3309. .0005 35c .37
3310. .0005 35c .37

Grid Condensers

Same as above except provided with clips for mounting. Wt. 4 oz.

No. Mfd. Retail EACH
3333. .0005 40c .41
3334. .0005 40c .41
3335. .0005 40c .41

Dubiller Micadons

Noble. Accuracy and permanency are accepted standards in Dubiller Micadons. Made of best grade India sheet mica insulation and metallic foil placed between pieces of genuine bakelite and sealed under high pressure, each condenser is tested at 600 volts D.C. Wt. 4 oz.

No. Mfd. Retail PRICE
4047. .0001 20c .22
4048. .0001 20c .22
4049. .0001 20c .22
4050. .0001 20c .22
4051. .0002 25c .28
4052. .0002 25c .28
4053. .0002 25c .28
4054. .0002 25c .28
4055. .0005 40c .41
4056. .0005 40c .41

Dubiller Grid Condenser

Supplied with clips for mounting. Wt. 2 oz.

No. Mfd. Retail NET
4091. .00025 $0.05

Sprague Midget Condensers

Tested to 1500 volts. Excessively small and light weight. Suitable for continuous operation at 500 volts D.C. Accurate within 10%. Wt. 1 oz.

No. Mfd. Retail NET
3351. .00025 35c .37
3352. .00025 35c .37
3353. .00025 35c .37
3354. .00025 35c .37
3355. .00025 35c .37
3356. .00025 35c .37

Dubiller By-Pass

These are the new Dubiller by-pass condensers with special mounting feet occupying small space on the 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 with low voltage to use in.

No. Mfd. Retail NET
1269. 1 $0.85 .85
1270. 1 .90 .90
1271. 1 .90 .90
1272. 1 .90 .90

Aerovox A

Conolvers

Efficient, low voltage, 2250 capacity units. Filter circuit of A eliminators. Composition of two condensers and two metal clips of .1 and .2. Having two small terminal holes to carry the output of a good tube rectifier battery charger. Used as eliminator. Wt. 4 lbs.

No. Mfd. Retail NET
1296. 200 $1.35
1290. 2000 $2.65
1391. 4000 $7.41

Aerovox Buffer Condensers

For use across secondary windings of power transformers using gaseous type rectifiers. Wt. 1 oz.


AEREO VO INTERFERENCE ELIMINATORS

Used to prevent power line noises from affecting electric receivers or lower power devices. Also to prevent reception interference from electric motors and other electrical appliances. Filter type IN-24 for a maximum of 300 volts D.C. IN-44 is for a maximum of 250 volts D.C. and uses with 27 instructions. Wt. 2 lbs.

No. Mfd. Type IN-24. Retail $6.50. YOUR PRICE
1292. 2000 $10.95
1293. 4000 $25.20

YOUR PRICE:

$3.82
$5.29

Micamold Midget Bakelite Condensers

Conforming to Micamold standards, coupled with the advantages of smallness in size. Molded of genuine bakelite. Wt. 1/2 oz.

No. Mfd. Retail NET
3370. .0005 45c .48
3371. .0005 45c .48
3372. .0005 45c .48
3373. .0005 45c .48
3374. .0005 45c .48
3375. .0005 45c .48
3376. .0005 45c .48
3377. .0005 45c .48
3378. .0005 45c .48
3379. .0005 45c .48
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3382. .0005 45c .48
3383. .0005 45c .48
3384. .0005 45c .48
3385. .0005 45c .48
3386. .0005 45c .48
3387. .0005 45c .48
3388. .0005 45c .48
3389. .0005 45c .48
3390. .0005 45c .48
Tobe Acme and Dubilier Condensers

Tobe "A" Filter
Consists of two Tobe A condensers having capacity of 4000 and 500 in combination with two large capacity condensers combined. May be connected to any good 3 x 5 1/2 A filter for complete elimination.

$10.58

AcmeParVoltByPass
Used for direct current circuits with a maximum of 200 volts and on A.C. circuits maximum voltage of 200 volts. Recommended for radio frequency bypass work. Wt. 1/4 lb.

Net

1221. $0.50
1223. $0.59
1225. $0.72
1226. $0.85

Filter CONDENSERS
For all current supply circuits and as isolating unit in resistance and inter-pendence coupled units. Wt. 1 lbs.

Net

327. $0.76
328. $0.80
329. $0.90
330. $0.94

Dubilier Interference Filters
Eliminate interference from household motors, electrical re- frigerators, washing machines, etc. No. 9 filter recommended for use on electrical household appliances having motors up to 4 hp and including one-quarter horsepower. No. 2 filter for radio, as well as for television. May be used on direct current. They incorporate means to prevent damage to competitors. Wt. 1/2 lb.

$5.88

Dubilier Power Pack Condensers
No. 1424. Type PL74. Used in power devices. For use in playing Raytheon BIL rectifier tubes. The maximum transformer voltage when used with PL74 should not exceed 1200 volts (b). Condensers for use on 220 volt circuits.

$9.70

Interference Filters
No. 1218. Type R717. Designed for use in all circuits, eliminating mutual and direct current. Interference coupled units. Wt. 1 lbs.

$6.23

Dubilier Filter Con- densers

Type 900-400 Volts

No. Mfd. Retail NET
1240. 3. 5.50 3.37
1241. 1. 5.50 3.23

No. Mfd. Retail NET
1421. 2.00 $4.50 $2.65
1422. 4.00 $7.50 $4.47
1423. 6.00 $11.00 $8.47

Dubilier Dry "A" Condensers
A new Dubilier Development designed for use in all circuits, utilizing unidirectional or direct current of up to 15 volts where high capacities are required. Leakage current is less than 0.001 milliamperes per inch. Strong internal construction. Wt. 6 oz.

No. Mfd. Retail NET
1471. 2.00 $4.50 $2.65
1472. 4.00 $7.50 $4.47
1473. 6.00 $11.00 $8.47

Dubilier Fixed, By Pass and Filter Condensers

High Voltage Condensers
For continuous operation on 1000 volts D.C. Wt. 12 oz.

No. Mfd. Retail NET
1209. 1. $2.00 $1.18
1211. 1. $4.50 $2.63

"B" Block Condensers
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
1217. 2. $10.58
1220. 4. $15.00

Power Pack Condensers
No. 1218. Type R717. For use in playing Raytheon BIL rectifier tubes. The maximum transformer voltage when used with R717 should not exceed 1200 volts (b). Condensers for use on 220 volt circuits.

$6.47

Tobe Model 784 for "A" elimination. Designed with a 3 mfd. condenser. Wt. 3 lbs. 5 oz.

$1.16

Output Condensers
Used between plate of power tube and speaker where tone filters are used to suppress windlines. 4 mfd. capacity. For voltage up to 250 volts on plate. Wt. 12 oz.

$2.06

Samson "B" Blocks
1438. 1. $5.00 $2.94
1439. 4. $22.34 $11.17

New Surge Proof Condensers
No. Mfd. Price NET
1213. $0.75
1214. 1. $2.50 $1.47
1215. 1. $3.50 $2.05
1216. 1. $4.50 $2.53

123
Aerial and Ground Accessories

BALL ANTENNA EFFICIENT SELECTIVE

A directional selective antenna for any radio receiving set. Increases the receiving range of practically any set. It is selective and sharply limits static interference. A 10 in. aluminum alloy ball complete with bakelite insulator and condenser.

GATHERS MORE ENERGY—GREATER RANGE

BALL ANTENNA is the only antenna that gathers more energy than any similar aerial. In tests of several similar aerials, it was consistently found to gather more energy than the others. In addition, it is highly selective and sharply limits static interference. A 10 in. aluminum alloy ball complete with bakelite insulator and condenser.

Consists of a 50 ft. lead-in wire, 50 ft. copper wire, ground clamp, flexible window lead-in insulator, nail, Joseph screw eyes and 10 ft. of pipe with base. Wt. 16 lbs. No. 2472. YOUR PRICE $2.75

Fiat Loops—Bank Wound

The Bank Wound design of this loop makes it particularly desirable for use on most Superhet receivers. Due to its size, it will readily pick up the faintest signals, and deliver maximum energy to the receiver. Solid Walnut frame. Takes ground wire 7 in. radius. Center tapped, standoff 30 in. high. 10 ft. wide. Weight. 3 lbs. No. 4409. $12.90. YOUR PRICE $7.35

Qualitone Loops

A high grade gracefully designed, durably constructed loop, with hand-rubbed solid walnut frame. By use of a special adjustment screw at the top of the center standard, the wire can always be kept tight; thus avoiding fluctuations in capacitance. Center tapped, standoff 30 in. high. 10 ft. wide. Weight. 3 lbs. No. 4407. Deluxe Model. No. 4408. As described above, except with flat frame. Retail $12.90. PREMIUM $5.88

Window Lead-In

A simple effective coppered ground rod that provides a permanent effective ground connection. Measures 3/4 in. diameter and 4 ft. long. Pointed for easy driving. Covered with a plastic insulating jacket. Wt. 2 lbs. No. 2471. YOUR PRICE $2.75

Muter Interference Eliminator

Increases selectivity and sharpening tuning of any radio receiver. Scientifically constructed, it greatly increases selectivity. May be used on any set with an aerial. Gently and simply installed. If you set tunes broadly you need an interference eliminator. Wt. 3 oz. No. 6020. Retail $1.00. YOUR PRICE $0.95

DeLuxe Umbrella Aerial Kit

A new design for efficient permanent aerial installation. The advantage of the umbrella type aerial has been discovered in its adoption by hundreds of amateurists. The umbrella type aerial is non-directional. It gathers more energy than does the customary single or multi-strand aerial which is usually stretched from roof to roof, yet it takes less room, is more easily installed and is many times more satisfactory. The most complete and up-to-date aerial kit on the market. Selective and efficient. Wt. 3 oz. No. 2460. Retail $1.47

Bell Wire

Furnished in 50 ft. rolls per box. Cotton core covered. No. 18 wire. Good quality stranded. 1 lb. No. 2468. Retail 50 c. YOUR PRICE 35 c.

Bell Wire 50 ft. each: 18 c. YOUR PRICE 18 c.

Twisted Lamp Cord

Consists of flexible stranded size 18 copper wire, with rubber insulating, over which is a neat colored covering. No. 2465. Double twisted wire, 15 ft. YOUR PRICE $0.48

BELL WIRE

Furnished in 50 ft. rolls per box. Cotton core covered. No. 18 wire. Good quality stranded. 1 lb. No. 2468. Retail 50 c. YOUR PRICE 35 c.

Bell Wire 50 ft. each: 18 c. YOUR PRICE 18 c.
ANTENNA AND GROUND EQUIPMENT

Complete Aerial Kits

Aerial Kit A
These convenient aerial kits contain all necessary parts for most difficult aerial installations. Model A kit includes 100 ft. of stranded copper aerial wire, 50 ft. rubber insulated lead-in wire, one lead-in insulator, two porcelain strain 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; two 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 aerial equipment. Build a permanent efficient aerial. Consists of stranded, enamelled, insulator, lead-in, and ground wire. 50 ft. weatherproof lead-in; 25 ft. ground wire; approved lightning arrester, and 10 ft. ground clamp; 4 glass insulators; 4 porcelain screw insulators; 2 screw eyes; 1 porcelain stand-off insulator; flexible lead-in insulator. Wt. 6 lbs.

No. 2461. List, $6.00. 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. 3 oz.

No. 6006. YOUR PRICE $1.20

Sentinel Lightning Arrester

A highly recommended lightning arrester of the gap type. Carefully constructed. Approved by underwriters. Will protect leader lines. Wt. 1 lb. The very best arrester obtainable.

No. 6022. Retail, $1.60. YOUR PRICE $55c

Home Guard Arrester

A new standard of lightning arrester value. Sturdy and the non-air-gap type. Successfully meets the demand for a lower priced arrester. Wt. 13 oz.

No. 6005. Retail, 50c. YOUR PRICE $27c

High Grade Aerial Wire

Stranded
Consists of seven strands of No. 51 hard drawn copper wire, with each strand insulated from the others. Will not corrode or deteriorate. In 100 ft. coils. Recommended standard for aerials. Wt. 3 lbs.

No. 2453. Per 100-ft. coil YOUR PRICE 23c

Enameded
A seven-strand high grade wire. Aerials are designed for use as subantennas 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.

No. 2454. Per 100-ft. coil YOUR PRICE 33c

Dubillier Light Socket Antenna

The standard light socket plug. Simply attach to the light socket on your receiver. Transforms the ordinary bulb into an aerial. Highly efficient. improves reception, and diminishes static. Wt. 10 oz.

No. 4100. Retail, $1.50. YOUR PRICE $88c

Aerial Pipe- and Ribbons

Mast Fittings
For the perfect aerial installation. Pulley, collar, and bend of free. Bar adjustable and will fit roof of any pitch. Easy to install.

No. 2447. Set of 3 pieces, for 1/2-in. pipe Wt. 5 lbs. YOUR PRICE $55c

Ribbon Aerial
Ideal for indoor use. Wonton, energy collector. Provides great surface area and flexibility. Strong. Wt. 4 oz.

No. 2448. Set of 3 pieces, for 1/2-in. pipe Wt. 5 lbs. YOUR PRICE $55c

No. 6001. Per 100-ft. roll. YOUR PRICE $1.50

Glass Insulators
Highly efficient and exceptionally glassy. Stand terrific strain. Approximately 4 in. Wt. 8 oz.

No. 6002. YOUR PRICE EACH 4c

No. 2402. YOUR PRICE PER DOZ. 32c

Midget Glazed Insulators
No. 6015. Size, in. square Wt., 3 oz. YOUR PRICE 3c

Porcelain Screw Insulators
A handy insulator for keeping lead-in wires away from walls, etc. Iron screw, porcelain sleeve, rubber covering. Wt. 1 oz. YOUR PRICE 4c

No. 6014. YOUR PRICE 4c

Lead-In Connectors
For connecting lead-in to aerial. Simplifies aerial installation. Exclusively a ribbed 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. 6016. YOUR PRICE 7c

Rubber Covered Lead-In Wire
A high grade rubber covered lead-in wire: not affected by moisture, heat, sun or cold. No losses. Wt. 1 lb. YOUR PRICE 22c

No. 2451. 25 ft. Wt. 1 lb. YOUR PRICE 22c

No. 2452. 55 ft. Wt. 1 lb. YOUR PRICE 37c

Rubber and Braid- ed Lead-In Wire
No. 14 copper wire with both rubber and weatherproof braided covering. Best quality. Highly recommended.

No. 2449. 25 ft. rolls Wt. 1 lb. YOUR PRICE 27c

No. 2450. 50 ft. rolls Wt. 1 lb. YOUR PRICE 46c

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 distant and volume. Uses filtered ground waves instead of noisy air waves. Brings in distant stations loud and clear when outside aerial gets feeble. Makes aerials 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 12 in. deep, 7 in. wide. Never needs attention. Improves broadcast reception around it.

No. 2497. List $7.50

Now Only Net $4.40

Stand-Off Insulators

No. 6018. Used for efficient antenna insulation. Of heavy glazed porcelain. 4 in. long. Wt. 14 oz.

YOUR PRICE EACH 10c

Paragon Ground
Master
Designed for use as a subantenna 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.

No. 6017. Retail, $6.50 YOUR PRICE $3.23

Now Only Net $4.40

Insulators

No. 6018. Used for efficient antenna insulation. Of heavy glazed porcelain. 4 in. long. Wt. 14 oz.

YOUR PRICE EACH 10c

Stand-Off Insulators

No. 6018. Used for efficient antenna insulation. Of heavy glazed porcelain. 4 in. long. Wt. 14 oz.

YOUR PRICE EACH 10c

Rubber Covered Lead-In Wire
A high grade rubber covered lead-in wire: not affected by moisture, heat, sun or cold. No losses. Wt. 1 lb. YOUR PRICE 22c

No. 2451. 25 ft. Wt. 1 lb. YOUR PRICE 22c

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Rubber and Braided Lead-In Wire
No. 14 copper wire with both rubber and weatherproof braided covering. Best quality. Highly recommended.

No. 2449. 25 ft. rolls Wt. 1 lb. YOUR PRICE 27c

No. 2450. 50 ft. rolls Wt. 1 lb. YOUR PRICE 46c
Bakeelite Plug De Jur

An exceptionally high grade phone plug of polished genuine bakelite. Positive seating spring clips, split screws or clamps to get out of order. Without doubt one of the biggest plug values on the market. Highly recommended. Wt. 4 oz.

No. 2348. List, 32c. Your PRICE.............5c.

Carter No. 2 Switch


No. 2396. List, 50c. Your PRICE.............29c.

Cutter-Hammer Toggle Switch

Popular toggle type filament switch. Ideal, instill, provide a long life, make or break contact. An exceptional value.

Wt. 6 oz.

No. 2397. List, 75c. Your PRICE.............44c.

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.

No. 4006. Carter tip jack plates. For use with A.C. sets. Plate has two Carter tip jacks, standard A.C. outlet, and a speaker outlet.

List, 90c. Your PRICE.............53c.

No. 4018. List, 90c. Your PRICE.............59c.


YOUR PRICE.............27c. YOUR $1.62

Jackie Switch Carter

Carter jack switches have many radio construction and experimenters. Built to the high quality standards of all Carter products, they come to you complete with bladed knob. Easy to wire. Wt. 8 oz.

No. 2354. List, 2.5 single pole double throw. 3 contacts. List, 90c.

YOUR PRICE.............44c.

No. 2355. List, 4 double pole double throw. Consists of 4 springs, open one end and closes one. List, 90c.

YOUR PRICE.............59c.

No. 2345. List, 6 double pole double throw. Consists of 6 springs, open two ends. Two contacts. List, 125c.

YOUR PRICE.............73c.

Filament Switch

Locking Type

Insertion of plunger makes posit. Re- moval of plunger breaks contact and re- covers jack. Exposed parts highly nickel. Wt. 6 oz.

No. 2345. List, 35c. Your PRICE.............20c.
## 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 1/4"-in. size.

**Ruggedly Constructed**

Motor and all parts fully housed. High grade chuck. A necessity for every serviceman. Equipped with cord and plug.

**No. 2543. YOUR SPECIAL PRICE $15.20**

### Socket Wrench Set

No. 2504. A set consists of 5 sockets, to fit 3/8, 7/32, 3/16 and 1/2 inch hexagon nuts. Attractive stone finished handles. Wt. 4 oz. **YOUR PRICE 48c**

No. 2502. A large grade well designed, carefully constructed iron, for 10.5 to 115 volt current. Complete with 6 foot cord, and two piece separable plug. High grade dependable iron. Wt. 2 lbs. **YOUR PRICE 69c**

### Electric Soldering Iron

No. 2545. A high grade well designed, carefully constructed iron, for 105 to 115 volt current. Complete with 6 foot cord, and two piece separable plug. High grade dependable iron. Wt. 2 lbs. **YOUR PRICE 69c**

### Set of Drills

No. 2548. Complete set of 4½" long stock and adjustable tap wrench and dies to cut 4/32, 6/32, 8/32, 1/8, 1/4, 3/8, Standard and radio sizes. Wt. 3 lbs. **YOUR PRICE $5.60**

### Hand Drill

No. 2511. A high grade hand drill for radio panel. Wt. 1 lb. 4 oz. 4/32 drill size to cut 4/32, 6/32, 8/32 and 14/32. The necessary sizes for radio sets built up of four. **NET 29c**

### Tap and Die Set

No. 2548. Complete set of 4½" long stock and adjustable tap wrench and dies to cut 4/32, 6/32, 8/32, 1/8, 1/4, 3/8, Standard and radio sizes. Wt. 3 lbs. **NET 15c**

### Counter Sink

No. 2508. 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 en-larging 1/2" holes in bakelite, etc. Keen cutting edge. Wt. 1 lb. **NET 17c**

### Panel Cutter

No. 2509. A practical tool for cutting circular holes in bakelite, sub panels, etc. Ad-justable from 6 in. to 10 in. **Wt. 1 lb. List price $1.15. YOUR PRICE $1.85**

### American Beauty Soldering Iron


### Electrihot Soldering Iron

A well designed high grade soldering iron that can be depended upon for years of service. Furnished with two inter-changeable tips; one for fine close-in work, the other for heavy work. Complete with cord and two piece separable plug. A real value. Wt. 2 lbs. **No. 2512. Large Iron. YOUR PRICE $1.28**

### Socket Wrench Set

No. 2504. A set consists of 5 sockets, to fit 3/8, 7/32, 3/16 and 1/2 inch hexagon nuts. Attractive stone finished handles. Wt. 4 oz. **YOUR PRICE 48c**

No. 2502. A large grade well designed, carefully constructed iron, for 105 to 115 volt current. Complete with 6 foot cord, and two piece separable plug. High grade dependable iron. Wt. 2 lbs. **YOUR PRICE 69c**

### Automatic Blow Torch

No. 2501. Automatic blow torch. **Wt. 1 lbs.**

### Solderall

No. 2544. Popular paste form of solder that makes perfect joints with the heat of a match. The necessary flux has already mixed with the solder. Use on iron, copper, brass, etc. **List 2c. YOUR PRICE 16c**

### Screw Drivers

Fine tool steel narrow blade screw drivers designed for radio work. **No. 2516. List price $1.65. YOUR PRICE $1.85**

### Radio Center Punch

No. 2549. A high grade steel center punch with narrow handle and hardened point. Wt. 6 oz. **NO T**

### Radio Vise

A handy tool for the set builder and 1 in.Entered. Well constructed with a substantial screw type clamp. Pieces below a cut off cost. **Wt. 1 lbs.**

### Long Nose Side Cutting Pliers

No. 2502. Long flat nose reaches into inaccessible corners. Side cutting. Wt. 11 oz. **NET 42c**

### Diagonal Cutting Pliers

No. 2503. A new easily operated tool for all work. Finest forging. Steel. Wt. 10 oz. **YOUR PRICE 45c**

### Long Nose Pliers

No. 2504. A new easily operated tool for all work. Finest forging. Steel. Wt. 12 oz. **YOUR PRICE 42c**
**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 smooth, matte finish of somewhat flat and white color trims the outside edge, producing a beautiful two-tone effect. Easy to drill with wood or metal twist drills. Av. wt. 3 lbs.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>4601</td>
<td>7x21</td>
<td>$6.94</td>
<td>$5.40</td>
</tr>
<tr>
<td>4602</td>
<td>7x24</td>
<td>7.36</td>
<td>5.00</td>
</tr>
<tr>
<td>4604</td>
<td>7x26</td>
<td>7.64</td>
<td>5.20</td>
</tr>
<tr>
<td>4606</td>
<td>7x30</td>
<td>8.20</td>
<td>6.10</td>
</tr>
</tbody>
</table>

### Goodrich Silvertown Rubber Panels


<table>
<thead>
<tr>
<th>No.</th>
<th>Black</th>
<th>White</th>
<th>Walnut or Mahogany</th>
</tr>
</thead>
<tbody>
<tr>
<td>4623</td>
<td>30.97</td>
<td>32.00</td>
<td>30.97</td>
</tr>
<tr>
<td>4624</td>
<td>30.97</td>
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<td>30.97</td>
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<td>4625</td>
<td>30.97</td>
<td>32.00</td>
<td>30.97</td>
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<tr>
<td>4626</td>
<td>30.97</td>
<td>32.00</td>
<td>30.97</td>
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<td>30.97</td>
<td>32.00</td>
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</tr>
<tr>
<td>4628</td>
<td>30.97</td>
<td>32.00</td>
<td>30.97</td>
</tr>
</tbody>
</table>

### Bakelite Tubing

Genuine bakelite, designed especially for radio use. Unique winding low-loss coils, 3 in. lengths with 1/2 in. thick wall. Inside diameter given.

<table>
<thead>
<tr>
<th>No.</th>
<th>Diameter Each</th>
<th>List</th>
<th>NET</th>
</tr>
</thead>
<tbody>
<tr>
<td>239</td>
<td>5/32 in.</td>
<td>14c</td>
<td>13c</td>
</tr>
<tr>
<td>240</td>
<td>3/32 in.</td>
<td>14c</td>
<td>13c</td>
</tr>
<tr>
<td>241</td>
<td>1/16 in.</td>
<td>14c</td>
<td>13c</td>
</tr>
</tbody>
</table>

### Threaded Tubing—Bakelite

No. 2535. For winding low-loss space-wound coils. 3 in. lengths with 1/2 in. thick wall. Inside diameter given. A nice, attractive natural wood grain. Warped with 10 turns, 8 threads to the inch. Measures 1 1/2 x 1/4 in. outside diameter, 1/8 in. in wall. Accurately covers the broadcast band with .0035 condenser. YOUR PRICE: 21c EACH.

### Bakelite Binding Post Strip


<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List 50c Per Set</th>
<th>YOUR PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4132</td>
<td>5-Post Strip A—B—C—D—E</td>
<td>$1.25</td>
<td>$1.10</td>
</tr>
</tbody>
</table>

### Eby Ensign Binding Posts

Non-removable engraved terminals. Complete with nut and soldering lug.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>YOUR PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4151</td>
<td>Ant.</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4153</td>
<td>Short Ant.</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4154</td>
<td>Loop.</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4157</td>
<td>Speaker</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4158</td>
<td>B Bat.</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4160</td>
<td>B Bat.</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4161</td>
<td>C Bat.</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4162</td>
<td>C Bat.</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
</tbody>
</table>

### 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., Ash, Ph., Speaker. For 9 posts. 20c. For 5 posts. 15c. For 1 post. 10c. List Price: 25c. 10c. 5c.

### 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. 6 oz.

### Battery Cable

Flexible color-coded battery cable. 8-stranded, rubber-covered wire with a colored cotton braid enclosed in mercerized cotton cable braiding. Wt. 44% oz. per ft. by 3/8 in. wire.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>YOUR PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4517</td>
<td>25 ft. coil 5-wire cable</td>
<td>$1.20</td>
<td>$1.00</td>
</tr>
<tr>
<td>4518</td>
<td>25 ft. coil 6-wire cable</td>
<td>$1.50</td>
<td>$1.25</td>
</tr>
<tr>
<td>4519</td>
<td>25 ft. coil 6-wire cable</td>
<td>$1.80</td>
<td>$1.60</td>
</tr>
</tbody>
</table>

### Binding Post Mounting Strips

Drilled for mounting binding posts. 3-10 inch holes. Strips for 3, 5, or 10 posts. Wt. 2 oz.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>List</th>
<th>YOUR PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4661</td>
<td>For 10 posts. 30c</td>
<td>$1.25</td>
<td>$1.00</td>
</tr>
<tr>
<td>4662</td>
<td>For 9 posts. 25c</td>
<td>$1.25</td>
<td>$1.00</td>
</tr>
<tr>
<td>4663</td>
<td>For 9 posts. 25c</td>
<td>$1.25</td>
<td>$1.00</td>
</tr>
<tr>
<td>4664</td>
<td>For 5 posts. 16c</td>
<td>$1.25</td>
<td>$1.00</td>
</tr>
<tr>
<td>4665</td>
<td>For 3 posts. 14c</td>
<td>$1.25</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

### Eby Binding Post Strip


List Price: $1.25. YOUR PRICE: 75c.
**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. 1/4 to 1 lb.

- No. 2391, 10 ft., with plug. YOUR PRICE: $4.40
- No. 2392, 20 ft., with plug. YOUR PRICE: $5.20
- **Your Special Price:** $1.20

**Stranded Wire EXTENSION CORDS**

Exceptionally high grade cord of finely stranded copper wire, rubber covered. Rough quality with rubber covered plug. Wt. 1 lb.

- No. 2475, 10 ft., with plug. Retail, $2.40. YOUR PRICE: $2.04
- No. 2476, 20 ft., with plug. Retail, $4.50. YOUR PRICE: $4.12
- No. 2477, 50 ft., with plug. Retail, $13.75. YOUR PRICE: $12.41
- **Your Special Price:** $1.03

**RAYON COVERED**

A high grade stranded, rubber covered extension wire, with rayon in an attractive Old Gold color. Wt. 1 lb.

- No. 2393, 50 oz. Retail, $3.50. YOUR PRICE: $3.25
- No. 2478, 50 oz., with plug. Retail, $5.25. YOUR PRICE: $4.92
- **Your Special Price:** $1.47

**EXTENSION PLUGS**

A Bakelite connector for speaker and extension cord with Rayon in an attractive Old Gold color. Wt. 1 lb.

- No. 2484, 4 ft., with plug. Retail, $1.35. YOUR PRICE: $1.20
- No. 2479, 50 ft., with plug. Retail, $2.50. YOUR PRICE: $2.25

**Morris Ground Clamps**

New, rugged, adjustable ground clamp. Bites into metal pipe right through rust or corroded surface. Adjustable pressure from 3/4 to 4 inches. Wt. 5 oz. Takes a good ground. Wt. 5 oz.

- Each $0.10

**WIZARD COIL WINDER**

Winds any style coil with silk enamel or cotton wire of any thickness, from 20 to 80 inches in length. Adjustable automatic feeder and spacer. Hatchet spur prevents wire looping. Insures uniform winding of finest work. Coils cannot come undone once they have been anchored. Gives that desirable Lasting ump to the coil. Wt. 3 oz. No. 6222. List Price, $5.00, NET...

**Time Lite Electric Time Switch Clock**

A splendid quality beautiful clock, fitted with an electric switch device which energizes all apparatus at any time. Enables you to leave your radio set operating for any length of time and the clock will automatically switch off the set at any predetermined time. A reliable 30 hour battery. Takes no current.

- No. 6213. For battery and 112 eliminator operated sets. YOUR PRICE: $3.90
- **Your Special Price:** $3.00

**Bulbs in a bag. Will break 110 volt circuit. List $8.50. YOUR PRICE: $5.01

**C. R. L. Station Selector**

Not a Wave Trap

Tunes out short wave interfering stations. Instantly select the best list of any set on the broadcast or DX local. No adjustment. Simply turn on and off. It is impossible to separeate stations that transmit on the same wave length. Stations that broadcast close enough to each other to cause interference may be separated easily with the aid of this selector. Takes local stations time sharply. Simply to install, connect it in series with antenna lead. No. 66212. Price: $1.00

**Pandora Sets, Completely Equipped**

The Celebrated Pandora Crystal Set, with a complete and ready to be set up and put into operation. Includes all necessary ground and aerial equipment with high quality head phone. A quality combination at...

- Wt. 5 lb. No. 4147.

**CRYSTALS FOR CRYSTAL AND REFLEX SETS**

**MOUNTED CRYSTALS**


**CARBONBONUM STABILIZING UNIT**

Revolutionizes crystal detectors. As easy to use as a vacuum tube with receiver. Operates with flashlight cell at peak of efficiency. No control of quality of this crystal with this unit and realises full efficiency from and even beyond the limitations of flashlight cell. Wt. 1 lb. No. 4141. List Price, $2.20, NET...

**MICROPHONE BUTTONS**

A new and unique idea. Can be applied to any vibrating surface or diaphragm. Used for broadcast modulation, for telephone and repair work; for stethoscopes, amplifiers, etc. Offers the means of building a powerful speech amplifier. Instructions included. Wt. 4 oz. No. 2422, Retail Price, $0.65, YOUR PRICE:...

**MINIATURE SWITCHES**

Small, reliable switches, neat, for panel or board mounting. Suitable for all lab work, arm and contacts. Base of hard rubber. Single-throw, 1/4 in. long. Double-throw, 2 in. long. Wt. 8 oz. No. 2423. Single-Pole, Single-Throw, NET...

**PORCELAIN KNIFE SWITCHES**


**TEST BUZZER**

No. 2424. Watch case buzzer. Polished nickel finish. Diam. 3/8 in. Each...

**Test Buzzer Push Button**

No. 2424. A small, crescent button with pearl center. Held in 1/4 in. hole by small spring clips. Wt. 2 oz. Each...

**PANDORA CRYSTAL SET**

One of the outstanding set values of the season. Nationally known. Exceptionally simple adjustment. Covers entire broadcast band, providing 20 to 30 miles range and speaker on one band. PERFECTION. True tone quality. An unusual value. Wt. 2 lbs. No. 4146. List Price, $1.75, YOUR PRICE:...

**C. R. L. Station Selector**

Not a Wave Trap

Tunes out short wave interfering stations. Instantly selects the best list of any set on the broadcast or DX local. No adjustment. Simply turn 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 may be separated easily with the aid of this selector. Takes local stations time sharply. Simply to install, connect it in series with antenna lead. No. 66212. Price: $1.00

**C. R. L. Station Selector**

Not a Wave Trap

Tunes out short wave interfering stations. Instantly selects the best list of any set on the broadcast or DX local. No adjustment. Simply turn 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 may be separated easily with the aid of this selector. Takes local stations time sharply. Simply to install, connect it in series with antenna lead. No. 66212. Price: $1.00.
Fast Selling Special Features

Combination Waffle Iron, Griller, 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 to the two center terminals for baking half 7" waffles without greases 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 the appliance, combine appliance, steaks, chops, bacon, etc. to be grilled, and it will remain giving a delicious flavor.

Toaster

By pushing into the toaster section desired parts highly polished nickel over copper. 10" tray will catch all dripping and protect table. Furnished with two piece attachment plug and heater plug with built-in thumb switch. Base is heavy and deep. Glossy 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 Greatest Appliance Value and the Greatest Holiday Feature Ever Offered.

Gold Seal Bowl Heater

Overized 14-inch solid copper highly polished reflector. Nichrome element. A real handsomr heater and one of the fastest sellers. Well constructed. Shipped complete with cord and plug. WT. 2 lbs. $7.00. Your Price...

No. 88546. List, $3.27

Appliance Cord With Switch Plug

Standard appliance plug with built-in double contact toggle switch. Plug has phosphor bronze contacts. Furnished with six feet of flexible blue and gold heating cord with standard two piece socket plug. WT. 1 lb.

No. 8234. List, $1.00. NET

New Gold Seal.

Electric Cigar Lighter

With Flame

A neat and servicable combination of lighter and blue tints.

No. 8235. List, $7.00. YOUR PRICE...

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.

No. 8240. List, $2.20. NET

Artistic Model

Sterling silver plate. Handsome Butler silver finish.

No. 8241. List, $7.75. NET...$2.75

Eagle Radio Lamp

No radio set is needed with the light inserted. The correct current will be maintained and the screw light will not burn out. The lamp is set at any angle and the reflected light enables the operator to tune in easily. Light is reflected right at the panel and does not finish. In stationary bronze with six feet of cord and attachment plug. WT. 2 lbs.

No. 8217. List, $4.50. YOUR PRICE...

Electric Christmas Tree Outfit—Very Popular Set

Here we offer exceptional quality Xmas tree outift at a price you would ordinarily pay for a much inferior grade. Contains 8 Mazda bulbs in assorted colors with constant contact sockets. Lamps cannot work alone —they stay lit—an unusual feature. Has special tapping device with two-piece cord and attachment plug, in a beautifully colored display box, that belongs in the hands of any collector. Approved by National Board of Fire Underwriters. WT. 1 lbs.

No. 8250. List, $2.25

Mazda Lamps

Do not neglect to provide a supply of these richly colored Mazda bulbs for the coming Yuletide season. Package 100 to a carton made up in assorted items, in a color in individual boxes. Supplied in red, blue, canary, green, orange, purple and white. With 15 volt power. Specify colors...

No. 8231. List, each...

For carton of 100, 80c. For display carton of 100, $7.85

H O T P O I N T

Automatic Toastover Toaster

Adjustable automatic timer. When the bread is properly toasted the heat 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. Thud, thud—turns the toast. Shipping weight 6 lbs.

No. 8236. List, $9.75. YOUR PRICE...

Electric Christmas Tree Outfit—Very Popular Set

Here we offer exceptional quality Xmas tree outfit at a price you would ordinarily pay for a much inferior grade. Contains 8 Mazda bulbs in assorted colors with constant contact sockets. Lamps cannot work alone—they stay lit—an unusual feature. Has special tapping device with two-piece cord and attachment plug, in a beautifully colored display box, that belongs in the hands of any collector. Approved by National Board of Fire Underwriters. WT. 1 lbs.

No. 8250. List, $2.25

Mazda Lamps

Do not neglect to provide a supply of these richly colored Mazda bulbs for the coming Yuletide season. Package 100 to a carton made up in assorted items, in a color in individual boxes. Supplied in red, blue, canary, green, orange, purple and white. With 15 volt power. Specify colors...

No. 8231. List, each...

For carton of 100, 80c. For display carton of 100, $7.85

Toastmaster Automatic Toaster

Always makes perfect golden brown slices of toast. Drop plug in a socket and press a lever and when done the current is automatically turned off. Both sides are toasted the same time in an enclosed oven. Takes only 30 seconds if the time to toast a slice of bread this way than is possible when each slice is toasted singly.

No. 8237. List, $12.50. NET...

GOLD SEAL Bowl Heater

Overized 14-inch solid copper highly polished reflector. Nichrome element. A real handsomr heater and one of the fastest sellers. Well constructed. Shipped complete with cord and plug. WT. 2 lbs. $7.00. YOUR PRICE...

No. 88546. List, $3.27

Appliance Cord With Switch Plug

Standard appliance plug with built-in double contact toggle switch. Plug has phosphor bronze contacts. Furnished with six feet of flexible blue and gold heating cord with standard two piece socket plug. WT. 1 lb.

No. 8234. List, $1.00. NET

New Gold Seal.

Electric Cigar Lighter

With Flame

A neat and servicable combination of lighter and blue tints.

No. 8235. List, $7.00. YOUR PRICE...

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.

No. 8240. List, $2.20. NET

Artistic Model

Sterling silver plate. Handsome Butler silver finish.

No. 8241. List, $7.75. NET...$2.75

Eagle Radio Lamp

No radio set is needed with the light inserted. The correct current will be maintained and the screw light will not burn out. The lamp is set at any angle and the reflected light enables the operator to tune in easily. Light is reflected right at the panel and does not finish. In stationary bronze with six feet of cord and attachment plug. WT. 2 lbs.

No. 8217. List, $4.50. YOUR PRICE...

Electric Christmas Tree Outfit—Very Popular Set

Here we offer exceptional quality Xmas tree outfit at a price you would ordinarily pay for a much inferior grade. Contains 8 Mazda bulbs in assorted colors with constant contact sockets. Lamps cannot work alone—they stay lit—an unusual feature. Has special tapping device with two-piece cord and attachment plug, in a beautifully colored display box, that belongs in the hands of any collector. Approved by National Board of Fire Underwriters. WT. 1 lbs.

No. 8250. List, $2.25

Mazda Lamps

Do not neglect to provide a supply of these richly colored Mazda bulbs for the coming Yuletide season. Package 100 to a carton made up in assorted items, in a color in individual boxes. Supplied in red, blue, canary, green, orange, purple and white. With 15 volt power. Specify colors...

No. 8231. List, each...

For carton of 100, 80c. For display carton of 100, $7.85

H O T P O I N T

Automatic Toastover Toaster

Adjustable automatic timer. When the bread is properly toasted the heat 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. Thud, thud—turns the toast. Shipping weight 6 lbs.

No. 8236. List, $9.75. YOUR PRICE...
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 $7.50.

YOUR PRICE $4.90

Hotpoint Automatic Iron

Maintains any degree of heat. Set work; high for heavy material. Compliments machine. Ideal for thin or thick material. Completely automatic. Fully adjustable. Fully balanced. Has outside control.

No. 8252. List Price $8.80.

YOUR PRICE $6.47

White Cross Iron


No. 8243. List $5.00.

YOUR PRICE $1.81

Gold Seal Curling Iron

Handsome iron furnished in four colors with silk heating element. 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 $6.66

Gold Seal Heating Pads

Highest quality 3 heating pads. Made of soft virgin wool. Each pad is furnished with a washable slip cover. Comes in four colors. Includes heating pad, bag, and a 6 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 $3.50.

YOUR PRICE $3.66

Gold Seal Pressing Irons

6-Pound Iron

Graceful, easy to handle, durable. Perfectly balanced with perfect shaped handle. Ideal for all-temperature work. Wt. 7 lbs.

No. 8245. List $4.50.

YOUR PRICE $2.87

3-Pound Iron

Perfectly balanced for ironing laces and delicate fabrics. Complete with cord and plug. Wt. 1 lbs.

No. 8249. List $3.50.

YOUR PRICE $2.23

1-Pound Iron

A handy iron for traveling. Extremely small yet quite practical for light work. Wt. 1 lbs.

No. 8250. List $1.25.

YOUR PRICE 79c

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 $3.60.

YOUR PRICE $3.69

White Cross 8-Cup Percolator


No. 8247. List $3.90.

YOUR PRICE $2.49

Gold Seal 10-Cup Urn Percolator — Colonial Design

Handsome design 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. 8254. Complete with cord and plug.

List $7.00.

YOUR PRICE $4.57
Genuine Baldwin Units, 60% Off! $7.00 Phono Unit—$2.45

PRICES slashed on genuine Nathaniel Baldwin Phone 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 Phone Unit for superior reproduction. Completely shielded and covered with attractive black imitation leather. The biggest buy of the year.

No. 6521. Baldwin Phone Unit, WL. 2 lbs. $17.20. Retail List, $21.00.
YOUR PRICE $2.45

No. 6522. Phono Unit with Pedestal, WL. 2 lbs. $2.95. Retail List $3.00.
YOUR PRICE $2.25

Phono Unit with Base—$2.00

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. Price $2.90.
YOUR PRICE $2.20

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. JIX reception on short antennas. Extremely selective. WL. 30 lbs.

LIST OF PARTS

1—National Single Control B.D. 222 Tube. 2—National Impedance Meters. 1—National Tube Filter. 2—Aerovox 0041 Molded Condensers. 1—Aerovox 0085 Molded Condenser. 1—Aerovox 801 Molded Condenser. 2—Tubes 5 By Pass Condensers. 5—Tubes required for the National Shield Grid 5: One 222, two 29A, one 24A, one 11A.

Bakelite UX Sockets. 2—R.F. Chokes. 1—Filament Switch. 1—5200 volt X 20,000 feet. 1—Carton 20 volt fuses. 1—2-mil grid leak with mounting. 5—Filament equalizers with mounting. 1—7244 panel. 1—10V17 panel.

No. 8790 Total List. $69.55
Your Price 40.90

ELKON 5000 Hour Dry "B" Rectifier for B Eliminators

A new replacement rectifier for B eliminators. Sturdy, solid design. 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. WL. 1 lb.

No. 5735. Type EDD. Replaces Raytheon DE Tube. $2.50. Type 80D replaces 250 filament tube for A.C. and eliminators.

List, each, $6.00. YOUR PRICE...

NAALD Midget Cone

Tiny Cone SPEAKER

A working model of largest size cone speaker. Ideal for personal or family speakers, when a large speaker would give too much volume for operation late at night without causing disturbance.

A perfect cone speaker of splendid tone rarely more than 5 in. in diameter. Excellent for the children or as an extension speaker for the bedroom, porch or sun parlor. WL. 2 lbs.

No. 5218. List. $1.90. 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 amplying 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 low discount for your sure profit.

No. 8549. WL. 8 lbs. List, $15.00. 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. 8129-PAM1. Two Stage 210 A.C. phonograph or radio amplifier. Requires one 222, two UX219 and one UX-210 tube. For magnetic or air coils.

No. 8129-PAM17. Identical to PAM16 but designed to provide field current to dynamic type speaker. Size, 15x12x5/8 in. Shipping weight, 35 lbs. Without tube, $125.00. NET PRICE...

No. 8130-PAM19. Three stage 250 A.C. phonograph or radio amplifier. For larger installations. Requires two UX217 tubes, two UX219 tubes and two 211 rectifiers.

No. 8131-PAM20. Identical to PAM19 described above, except provides field current to dynamic speaker. Size, 20x14x6 in. Shipping weight, 50 lbs. List without tube, $175.00. NET...

$73.50
$102.90
IT'S EASY TO ORDER FROM THIS CATALOG
CAREFUL ORDERING SAVES TIME

Be sure to give specified shipping instructions with every order. Use 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. 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 be 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 it plainly. It will avoid errors. Additional order blanks will be supplied on request. Remit by express money order, postoffice 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.

Table of Approximate Rates
Per 100 lbs. for Express and Freight

<table>
<thead>
<tr>
<th>From Chicago</th>
<th>To</th>
<th>Express Rates per 100 lbs.</th>
<th>Freight rates per 100 lbs.</th>
<th>Express Freight Rates per 100 lbs.</th>
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</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>$3.75</td>
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<td>$3.90</td>
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<td>Arizona</td>
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<td>Delaware</td>
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<td>Louisiana</td>
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<td>Maine</td>
<td>$2.50</td>
<td>$1.40</td>
<td>$2.50</td>
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<tr>
<td>Maryland</td>
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<td>Montana</td>
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<td>$1.70</td>
<td>$3.55</td>
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</tbody>
</table>

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 the right hand 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 order.

Table of Express Charges Based upon Rate per 100 pounds

<table>
<thead>
<tr>
<th>1st Rate per 100 Pounds</th>
<th>$1.25</th>
<th>$1.45</th>
<th>$2.15</th>
<th>$2.65</th>
<th>$2.95</th>
<th>$3.45</th>
<th>$4.75</th>
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<tr>
<td>2 pounds</td>
<td>$3.77</td>
<td>$3.77</td>
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<td>$3.78</td>
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<td>$3.79</td>
<td>$3.80</td>
<td>$3.80</td>
<td>$3.81</td>
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<tr>
<td>3 pounds</td>
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<td>$3.99</td>
<td>$4.00</td>
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<tr>
<td>5 pounds</td>
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<td>$4.08</td>
<td>$4.08</td>
<td>$4.09</td>
<td>$4.09</td>
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<td>$4.10</td>
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<tr>
<td>20 pounds</td>
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<td>$4.78</td>
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<td>$4.79</td>
<td>$4.80</td>
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<tr>
<td>50 pounds</td>
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<td>$6.68</td>
<td>$6.68</td>
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<td>$6.69</td>
<td>$6.70</td>
<td>$6.70</td>
<td>$6.71</td>
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</table>

Map Showing Parcel Post Zones

PARCEL POST ORDERS
Packages Under 8 ounces, allow 4c to any Zone

<table>
<thead>
<tr>
<th>WEIGHT in</th>
<th>1c</th>
<th>2c</th>
<th>3c</th>
<th>4c</th>
<th>5c</th>
<th>6c</th>
<th>7c</th>
<th>8c</th>
<th>9c</th>
<th>10c</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 6 oz.</td>
<td>7c</td>
<td>9c</td>
<td>12c</td>
<td>14c</td>
<td>16c</td>
<td>18c</td>
<td>20c</td>
<td>22c</td>
<td>24c</td>
<td>26c</td>
</tr>
<tr>
<td>7 to 15 oz.</td>
<td>11c</td>
<td>13c</td>
<td>15c</td>
<td>17c</td>
<td>19c</td>
<td>21c</td>
<td>23c</td>
<td>25c</td>
<td>27c</td>
<td>29c</td>
</tr>
<tr>
<td>16 to 25 oz.</td>
<td>15c</td>
<td>17c</td>
<td>19c</td>
<td>21c</td>
<td>23c</td>
<td>25c</td>
<td>27c</td>
<td>29c</td>
<td>31c</td>
<td>33c</td>
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<tr>
<td>26 to 35 oz.</td>
<td>19c</td>
<td>21c</td>
<td>23c</td>
<td>25c</td>
<td>27c</td>
<td>29c</td>
<td>31c</td>
<td>33c</td>
<td>35c</td>
<td>37c</td>
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<tr>
<td>36 to 45 oz.</td>
<td>23c</td>
<td>25c</td>
<td>27c</td>
<td>29c</td>
<td>31c</td>
<td>33c</td>
<td>35c</td>
<td>37c</td>
<td>39c</td>
<td>41c</td>
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<tr>
<td>46 to 55 oz.</td>
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<td>29c</td>
<td>31c</td>
<td>33c</td>
<td>35c</td>
<td>37c</td>
<td>39c</td>
<td>41c</td>
<td>43c</td>
<td>45c</td>
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</tbody>
</table>

If the weight of package exceeds 20 lbs., add 5c for each additional pound or fraction of pound if you live in the 1st and 2nd zones, 7c extra if you live in the 3rd zone, 10c extra if you live in the 4th zone, 12c extra if you live in the 5th zone, 15c extra if you live in the 6th zone. If you live in the 7th zone, and 18c extra if you live in the 8th zone. NOTE: Packages weighing over 25 lbs. and not more than 1 lb. rate 1 lb. rate. Packages weighing over 1 lb. and less than 2 lbs. live 1/2 lb. rate. Always use the next higher pound rate for pounds and fractional pounds.

Package not over 100 lbs.

<table>
<thead>
<tr>
<th>Rate per 100 pounds</th>
<th>$1.25</th>
<th>$1.45</th>
<th>$2.15</th>
<th>$2.65</th>
<th>$2.95</th>
<th>$3.45</th>
<th>$4.75</th>
<th>$5.90</th>
<th>$6.90</th>
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<td>$3.99</td>
<td>$3.99</td>
<td>$4.00</td>
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<tr>
<td>5 pounds</td>
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<td>$4.07</td>
<td>$4.08</td>
<td>$4.08</td>
<td>$4.09</td>
<td>$4.09</td>
<td>$4.10</td>
<td>$4.10</td>
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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 touch of brilliance that will enchant you. The new type unit in both the magnetic and dynamic types presents 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, you are aware of the purity of tone, the soft murmur of the bass notes and the mellow beauty of the scale. When listening to a mighty organ being transplanted 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 faithfulness with which the creation of tone shading which distinguishes 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 sound reproduction.

No. 8435. 6 volt D-C Type for use with battery operated sets. Nos. wt., 15 lbs. Retail list, $50.00. YOUR PRICE $19.70

No. 8436. 100 volt A-C Type for use with A-C sets designed for dynamic speakers. Shpg. wt., 18 lbs. Retail list, $40.00. YOUR PRICE $17.25

The CELEBRATED TRAV-LER 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, finished in imitation leather. Everything is in the one small case—loud speaker—loop aerial and batteries. Just lift the cover and 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 greater volume and strong sound. Its one dial control simplifies tuning and makes it a pleasure to operate. Equipped with standard panel. Complete, ready to operate. Equipment includes 5 type X195 tubes and all "A", "B" and "C" batteries. Everything necessary for its operation is included. A real value. No. 9362. Retail list, $76.50. YOUR PRICE $44.25

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 nickel-plated 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 is the remarkable portable offered without accessories. Its low price assures for it tremendous popularity. Shpg. wt., 35 lbs. No. 9353. Retail list, $60.00. YOUR PRICE $35.28

Here are the famous Trav-ler Portables offered without accessories. Its unusual efficiency and compactness alone with its low price assures unusual popularity. No. 9351. Retail list, $57.50. YOUR PRICE $33.81

REAL PUNCH AND TONE

Its marvelous tone quality and volume will surprise you. Sound chamber has 14 in. throat built of baswood equipped with genuine Utah Unit.

WITH ACCESSORIES

Complete, ready to operate. Equipment includes 6 type X195 tubes, 2 "A", 2 "B" and 1 "C" battery. Everything necessary for its operation is included. A real value. No. 9352. Retail list, $76.50. YOUR PRICE $55.40
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.

TONES

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. Illustrated 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 must marvel at 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 A-C Models are equipped with all necessary aerial and ground lead-in equipment. Each comes with a complete set of instruction Book. They are shipped in a beautiful brown bronze metal cabinet. Illustrated is the model shown elsewhere.

NON-CRITICAL

You do not have to be a RADIO ENGINEER, or an EXPERT to tune Stratford Receivers. By rotating the STATION SELECTOR control, the station will come in with surprising ease. No hum, no extraneous noise—JUST PURE MELLOW MUSIC and volume, reproduced with EXCEPTIONAL FIDELITY.

COMPLETE—READY TO OPERATE

Here you are offered the Avondale Model as illustrated above, housed in a beautiful brown-bronze cabinet. Attractively finished in a harmonious brown-bronze color that blends well with the furniture of any room. The Avondale is recommended to you as one of the season’s outstanding radio values.

RECEIVERS AS ILLUSTRATED

Here you are offered the Avondale Model as illustrated above, housed in a beautiful brown-bronze cabinet. Attractively finished in a harmonious brown-bronze color that blends well with the furniture of any room. The Avondale is recommended to you as one of the season’s outstanding radio values.

THE STRATFORD CHASSIS

A-C ALL-ELECTRIC 7/8

Here you are offered the Stratford 7-8 Chassis, fitted with the latest design. 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 amplification, and one stage of push-pull audio amplification employing genuine Thordarson Transformers with Power Tubes.

INDIVIDUAL SHIELDED STAGES

The individual stage shielding minimizes inter-stage coupling, and provides better selectivity and sensitivity. Three stages of radio frequency insures extreme sensitivity over a 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, Kurr, Kasch, etc. This is a case in which the design of the circuit, results in a receiver that offers you everything you desire in one 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.
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 22 1/2 in. wide by 15 1/2 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 Console. Order a demonstrator today. Shipping weight, 120 lbs. No. 9894. Retail list, $170.00.

YOUR PRICE

$83.92

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 X71A 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

$97.42

New Low Price

Never before have we been able to offer such an unusual value in A-C Receivers at so low a price. Its exceptional quality invites comparison with the highest priced receivers.

Highest Quality

Only the finest parts are used in the construction of the Bellview Stratford. Careful testing and many rigid inspections assure the utmost efficiency in the receiver.
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 receiver 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 critical stage in the Stratford Circuit is individually shielded, providing unusual selectivity and power. Operates on 110-volt, 50-60-cycle A-C current.

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 marvelous 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 buffet board for the Farrand Speaker with which it is equipped. The console stands 30½ in. high, 27¾ in. wide by 17 in. deep. Its beautiful hand-rubbed lacquer finish brings out the 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, 146 lbs.
No. 9896. Retail list, $210.00.
YOUR PRICE

$103 27

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

$117 27

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 X260 Rectifier Tube along with all necessary aerial and ground equipment. Highly recommended. Shipping weight, 143 lbs.
No. 9897. Retail list, $235.00.
YOUR PRICE

$116 77

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 X260 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.
YOUR PRICE

$130 77

Beauty—Performance Power
The New Nocturne 8/9 A-C Stratford Receiver

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 assure 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 beauty of the kind 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 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 10½ in. high. Its beautiful two-tone finish adapts it for use in any setting.

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 X290 rectifier tube along with all necessary aerial and ground equipment. Shipping weight 85 lbs. No. 9887. Retail list, $178.50. YOUR PRICE......

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.

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 7½ in. high. A console for it may be selected from the large variety shown in this catalog.

$86.73

$101.48

$73.50

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. Parapower 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 1/4 in. high, 25 in. wide, and 17 in. deep. Its unusual design and massive construction make 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...

$123.25

$138.00

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. A exceptional value. Shipping weight 170 lbs.

No. 9886. Retail list, $300.00.
YOUR PRICE...
COMMANDER MODELS 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 moldings. A convenient drop-door is arranged at the lower front, opening to a spacious chamber. Beautifully turned fluted legs with ornamental stretchers provide unusual rigidity. Console stands 52 inches high, 33 1/2 inches wide and 18 1/2 inches deep.

PUSH-PULL POWER AUDIO

Push-pull power audio amplification in the Commander Model provides fine shading of the various tone areas 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.

BEAUTIFUL DESIGN

The rare beauty of the Commander Console with its beautiful matched burr 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.

$136.36

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. 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 re-created 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.

SET WITH CONE SPEAKER

$136.36

Equipped with a genuine Farrand Magnetic Type Cone Speaker, this console offers an unusual combination in an A-C operated receiver. Shpg. wt., 185 lbs. No. 9890. Retail list, $290.00.

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 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.

$150.36

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.

SET WITH ACCESSORIES AND FARRAND DYNAMIC CONE

Offered with all necessary accessories for its operation along with a genuine Farrand Type Dynamic Power Speaker. Equipment includes 5 type X226 A-C tubes, 1 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.

$165.11

YOUR PRICE

YOUR PRICE

YOUR PRICE

YOUR PRICE
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 23 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 11 1/2 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. 9276. Retail list, $45.00.

YOUR PRICE

$2195

$1625

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. 9276. Retail list, $35.00.

YOUR PRICE

$1950

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 1/2 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

$2800

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

Select Your Console for the Chassis You Want
DE LUXE HI-BOY CONSOLE

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 13 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 3/4 in. deep.

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<th>AMPLE SIZE</th>
<th>BEAUTIFUL FINISH</th>
<th>RIGID CONSTRUCTION</th>
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<tbody>
<tr>
<td>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. Quality furniture.</td>
<td>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.</td>
<td>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.</td>
</tr>
</tbody>
</table>

CONSOLE SIZE

Here you are offered the De Luxe Hi-Boy 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 $19.65

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 are not included. A real value. Weight, 150 lbs.

No. 9821. List price, $160.00. YOUR PRICE $71.65

GENUINE WALNUT CONSOLE

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 a console which is an unusual piece of furniture. Console stands 47 in. high, requires floor space of 29 in. by 17 in. Set compartment measures 21 1/2 in. long, 8 in. high, by 13 5/8 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 $27.75

CONSOLE WITH FARREND MAGNETIC CHASSIS SPEAKER

Equipped with a genuine Farrand Magnetic Cone Speaker. Console stands forth as an unusual value. The wonderful tone quality of the speaker is strictly kept in keeping with the beauty of the cabinet. Weight, 105 lbs.

No. 9223. List price, $400.00. YOUR PRICE $34.75

CONSOLE WITH FARREND 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. 9234. List price, $110.00. YOUR PRICE $48.75
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 overlays on the doors, provides exquisite decoration. Console stands 41 in. high, top measures 22 1/2 in. by 15 1/2 in. The ample size set compartment measures 20 in. long, by 9 in. high, by 11 1/2 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 overlays, attractive hand-rubbed lacquer finish, coupled with unusual design makes this console a remarkable value, at the low price quoted. Shipping $24.00

No. 9212. List, $55.00. YOUR PRICE... CONSOLE WITH SPEAKER

With Farrand Magnetic Cone. Shipping weight, 95 lbs. No. 9213. Retail, $70.00. YOUR PRICE...

$31.00

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. YOUR PRICE...

$63.95

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, $150.00. YOUR PRICE...

$61.50

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 22 in. wide, and 14 1/2 in. deep.

FOR THE LARGEST SETS

The set compartment measures 22 1/2 in. wide, 9 1/4 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, 95 lbs. No. 9217. List, $45.00. YOUR PRICE...

$18.85

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...

$25.85

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...

$39.85

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 are 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, 27 1/4 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 9 3/4 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., 110 lbs. No. 9225. List, $75.00. YOUR PRICE...

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...

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.

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. 9226. List value, $250. YOUR PRICE.

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, 27 1/4 in. wide, and 17 in. deep. Behind the beautiful silk backed grill is a speaker compartment measuring 9 3/4 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 receivers. 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 receiver. Weight, 105 lbs. No. 9214. List price, $80. YOUR PRICE.

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. 9215. List value, $100.00. YOUR PRICE.

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.

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. 9224. Retail, $220.00. YOUR PRICE.

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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. No. 9210. Retail, $50.00. YOUR PRICE

$29.40

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. Shipping weight, 125 lbs. No. 9211. Retail, $65.00. YOUR PRICE

$36.40

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

$32.34

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 1/4 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 1/4 in. wide, by 15 7/8 in. high, by 12 1/4 in. deep.

CONSOLE ONLY AS DESCRIBED

Attractively finished in hand-rubbed lacquer with beautiful matched figured doors, and maple overlays. 5 1/2, 120 lbs. No. 9204. Retail, $55.00. YOUR PRICE

$49.50

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

$56.50
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 moldings. A convenient drop door is arranged at the lower front opening to a spacious chamber.

STRIKING WALNUT BURLS

The beauty of the Walnut Burl, 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 ½ in. wide, and 18½ in. deep. The spacious set compartment is 28 in. long, 9¼ in. high, and 13¼ in. deep. The large size speaker compartment with its attractive molded silk backed grill measures 29¾ in. long, 10½ in. high, and 14½ 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. 9226. List, $55.00. YOUR PRICE, $55.86

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. YOUR PRICE, $62.86

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. YOUR PRICE, $78.86

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. YOUR PRICE, $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, Overlayed with heavy Walnut Scroll Panels, and ornamental wood moldings.

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 50¼ in. high, measures 27¾ in. in width, 18¼ in. deep. Will accommodate receivers up to 9 in. high, 21¾ in. long, and 13¼ in. deep. The large size attractively designed speaker compartment measures 11½ in. high, 24 in. long, and 13¼ 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. Ship. wt., 136 lbs.

No. 9231. List price, $88.00. YOUR PRICE, $51.75

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. YOUR PRICE, $58.75
Buckeye Walnut Consoles

A GORGEOUS CONSOLE

A CONSOLE of unusual design and outstanding beauty. The beautiful paneled 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 buri 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 43 3/8 in. high, measures 24 1/2 in. wide, by 16 1/2 in. deep. The set compartment measures 20 1/2 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 1/4 in. wide and 12 1/2 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. 9244. List, $75.00. YOUR PRICE $43.75

CONSOLE WITH ONE 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 $50.75

WITH KNIGHT 6/7 A-C CHASSIS

Equipped with the famous Knight 6/7 A-C Chassis. Shipping weight 150 lbs. No. 9876. List value, $160.00. YOUR PRICE $83.70

REAL CONSOLE VALUE

YOUR better trade will be quick to appreciate the unusual design and beauty of this remarkable conso.

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 3/4 in. wide, 13 in. deep and 9 in. high. Speaker compartment measures 24 in. wide, 8 3/4 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. $49.95

YOUR PRICE

WITH FARRAND SPEAKER

Fitted with genuine Farrand Magnetic Cone Speaker as described on page 137. Set not included. Shipping weight, 110 lbs. No. 9980. Retail, $275. YOUR PRICE $56.25

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. YOUR PRICE $101.95
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 3-ply walnut veneer top and panels. The doors are of 3-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 14 1/2 in. deep, providing ample space for the largest speaker. Console stands 42 in. high, measures 32 1/2 in. wide and 18 3/4 in. deep. The receiver compartment measures 29 in. by 10 in. by 13 1/2 in. deep.

Console as Illustrated

Genuine walnut console as described above, without speaker. Shipping $52.22

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, 9 1/2 in. high and 13 1/2 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. Shog. wt., 135 lbs. No. 9236. List price, $100.00.

Your Price

58.80

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 18 1/2 in. deep. Accommodates any size panel up to 21 in. wide, 10 1/2 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

74.90
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 with an ornamental 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 stretchers 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 19 1/2 in. deep. The large compartment will accommodate any size panel up to 21 in. wide, 10 1/2 in. high, and 14 1/2 in. deep. The speaker compartment behind the beautiful silk backed grill, measures 22 1/2 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, $98.95.

YOUR PRICE

$57.92

ORTHOR-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 shaded, and sturdily constructed, with a beautiful large-size silk backed grill, providing ample space for either the long air-column horns, or the new Magnetic or Dynamic Speakers.

It stands 44 1/4 in. high, top measures 28 in. wide, and 17 in. deep. Set compartment measures 24 3/4 in. long, 12 in. high, and 12 1/2 in. deep. Will accommodate any size panel up to 6 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 24 3/4 in. wide, 24 1/4 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, 190 lbs.

No. 9239. List price, $85.00.

YOUR PRICE

$41.65

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

$94.75

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

$82.25

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, 132 lbs.

No. 9240. List price, $108.00.

YOUR PRICE

$49.75

YOUR PRICE
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 26 1/2 in. wide, and 19 in. deep. Will accommodate any size panel up to 21 in. wide, 10 1/2 in. high, and 14 1/2 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. 9238. List, $96.00

YOUR PRICE

$49.98

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 Friese 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.

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, 10 1/2 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

$54.10

Select Your Consoles for the Chassis You Want
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 30¾ in. high, by 12¼ in. wide, by 7½ 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. 9261. Shaded light walnut finish.
No. 9262. Red lacquer finish.

$5.25

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 17¾ in. high, 12 in. wide and 8½ 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. 8½ lbs.

YOUR PRICE $2.25

HIGHLAND 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 real profit as the new radio receivers. Stands 30¾ in. high, 11½ in. wide, and 9½ in. deep. Shipping wt. 14 lbs.

No. 9254. Light walnut
No. 9255. Red crackle
No. 9256. Green crackle
Retail $9.00. YOUR PRICE $4.50

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 color. Stands 27 in. high, 13½ in. wide, 7½ in. deep. Shipping weight, 9 lbs.

No. 9259. Red crackle
No. 9260. Green crackle finish.
Retail $7.50 YOUR PRICE

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 bracing.

REAL FURNITURE


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 lifelong 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 crackle finish.
Retail $10.00 YOUR PRICE $4.75
A NEW PROFIT MAKER FOR
THE RADIO DEALER

An 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 sub-
stantial profit. All models are in beautiful carry-
ing 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 attrac-
tive 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, black,
blue, brown, red and green. Cabinet
measures 7 x 11 1/2 x 14 1/4 in. Diaphragm
is of special construction.

No. 8301. Black with gold. $8.82

THE PAL

“KIDDIE-FACT”

A SALES LEADER

A small sized portable designed
especially for the children. Equipped
with a full spring motor, loud vol-
ume 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 with-
stand hard usage. Not a toy, but a
real Portable Phonograph. Case
measures 11 1/4 in. wide, 12 in. long,
and 3 1/4 in. deep. Provides space
for six records. Shipping weight,
11 lbs.

No. 8307. Retail, $10.00. YOUR PRICE...

De Luxe Model

A feature model of the famous Pal Line of
Portables covered with genuine Du Pont Fabri-
koid, with beautiful embossed bor-
ders in antique gold. Case of
three Ply Kiln Dried Wood, se-
curley glued and lock - cornered.
Equipped with
genuine Thorens
double spring
motor that will play
nearly three ten-inch
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 1/4 in. long, 12 in. wide, and 7 1/4
in. high. Shipping weight, 17 lbs.


P AL

STANDARD MODEL

Housed in a big beautiful sturdy cabinet case, with easy
grip handle, and double lock-
ing snap locks. Equipped with the
famous Thorens double spring motor, it will play three
ten-inch records with one
winding. Covered with genu-
ine 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 1/4 in.
high. Shipping weight, 17 lbs.


P AL

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. At-
tractively covered with heavy
Shark Grain Du Pont Fabri-
koid, 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 3/4 in.
wide, 16 1/4 in. deep, by 7 3/4 in. high. Shipping wt., 18 lbs.

Covers entire broadcast range of 200 to 350 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

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 4½-volt "C" batteries, one aerial kit, built-in speaker and full instructions. Shpg. wt., 175 lbs. No. 9828. YOUR NET WHOLESALE PRICE

$54.50

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.

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

$16.50

$34.45
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.

Embosed 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...

$42.50

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. No. 9834. Your Net Wholesale Price...

$65.95

$42.50
**Gothic Jr. 6 D.C.**

**Sensational Price 19.50**

**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.

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

39.85
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.

**Powerful Dynamic Chassis**

- **A.C. Line Voltage Regulator**
- **A.C. Electric Single Control**

**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.

**D.K. "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. 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—**

Only necessary to plug in the dry "A" and attach two wires. No further attention required.

Weight, 25 lbs.

No. 8074. List, $39.50

**YOUR PRICE**

$17.85

**Dynamic Power Speaker**

The identical Dynamic Power Chassis described in the center panel above installed in a genuine walnut table cabinet.

**Richly Finished**


**Beautiful Tone**

Astonishing, natural, true-to-life reproduction. Every instrument comes to life with this reproducer. The dynamic range 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.
  
  No. 8443. List, $85.00. **YOUR PRICE**...

  $30.50

- **110-VOLT D.C. MODEL**—For sets or power amplifiers designed for use with 110 volt storage battery.
  
  No. 8444. List, $60.00. **YOUR PRICE**...

  $28.75

- **110-VOLT A.C. MODEL**—For use with regular A-C or D-C sets where 110 volt 50-60 cycle A-C current is available.
  
  No. 8445. List, $78.00. **YOUR PRICE**...

  $32.50

**Cone Speaker Chassis**

For Installation or Replacement

Superior quality magnetic cone reproducer. Our special contract enables us to offer you this exceptionally known cone reproducer at the usual tube wholesale price. See Page 37 for details.

**VOLUME—PERFECT TONE—**

Large windings and heavy magnet scientifically designed to give the full range of musical frequencies. True, life-like reproduction. Small in size. Fits any console. Has filter; requires baffle. Chassis size 8% in. high by 5% in. deep by 8% in. wide.

**YOUR PRICE**

$6.75

**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.

**Motor 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**

$3.80

**A.C. Electric Single Control**

**6-7**

The finest electric set ever designed. 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 astonishingly natural and true-to-life.

**The Chinese design embossed bronze electrotype plate is strikingly different. The illuminated drum is the perfect control. Smooth, simple, easy to weight. The 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...

**YOUR PRICE**

$35.45

**No. 9802. A-C 6-7 set complete with all tubes, harnesses, etc. Ready to plug in.**

**YOUR PRICE**

$47.45

**SEE BACK COVER AND PAGE 5.**
**Super "A" Eliminator**

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 and ten tubes. See Page 42. Can be used with any good "B" eliminator for complete electrification.

Delivers constant, unvarying, smooth, humless current at six volts for all sets up to 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...

**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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Net</th>
<th>Type</th>
<th>Net</th>
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<tbody>
<tr>
<td>X201A</td>
<td>49c</td>
<td>X199</td>
<td>68c</td>
</tr>
<tr>
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<td>85c</td>
<td>X226</td>
<td>79c</td>
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<tr>
<td>X171A</td>
<td>85c</td>
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<td>$1.35</td>
</tr>
<tr>
<td>X200A</td>
<td>98c</td>
<td>X280</td>
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</tbody>
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See Pages 48 to 54 for tube values.

**Gothic Dynamic**

Unbeatable Quality Speaker

The greatest accoustical 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 non-magnetic 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. The reproduction of the full musical scale. Cabinet is expertly made, richly finished in walnut with graceful, full grill and beautiful heavy silk backing.

No distortion—no slurring of the low notes—but full, clear, equal reproduction of the full musical scale.

No. 8481. Six volt A-C type for all standard D-C sets using six volt battery. Weight, 20 lbs. YOUR PRICE...

<table>
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<tr>
<th>Type</th>
<th>Net</th>
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<tbody>
<tr>
<td>8481</td>
<td>$25.50</td>
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For all standard A-C or D-C sets wherever 110 volt 50-60 cycle A-C current is available. YOUR PRICE...

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<tr>
<th>Type</th>
<th>Net</th>
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<tbody>
<tr>
<td>8480</td>
<td>$27.50</td>
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</table>

See Page 25.
HERE is one of the season's outstanding receivers. 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 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—some 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.

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

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 3/4 in. wide, by 13 3/4 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.

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.

$90.75
The PLYMOUTH HIGBOY
Knight Electric

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 283. Equipped with genuine, nationally advertised Farrand Speaker.

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 olive-green panel of the Knight Receiver is embossed and etched Chinese escutcheons blend harmoniously with the console. Console stands 48 inches high, 23 1/2 inches wide and 15 1/2 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 undistracted reception.

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 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.

For more detailed explanation of Knight 6-7 circuit, see Page 4 in this catalog.
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 19 1/2 inches long, 14 1/2 inches deep and 9 1/4 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, $35.45
No. 9801—Brown Bronze
No. 9803—Chinese Red
No. 9805—Chinese Green
List $80.00
Your Price $37.95

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
No. 9804—Chinese Red
No. 9806—Chinese Green
List $105.00
Your Price $47.45

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  
No. 9202—Chinese Red  
No. 9203—Chinese Green
List $50.00
Your Price $17.50
The Sentinel

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 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 bird's-eye maple makes up the front doors while attractive bird's-eye maple overlays add to its overall beauty. Measures 28 1/2 inches long, 16 1/4 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.

<table>
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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.

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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.

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With All Accessories—Ready to Operate

For 105 to 120 volts, A.C.—equipped with all accessories—nothing else to buy—including Farrand 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.

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See Page 12 for more detailed description of Knight 8-9 set.