Things to remember when ordering

PRICES: All prices in this book are net, subject to regular discount of 2% for cash with order or C. O. D.

TERMS: Our terms are cash. Many of our customers are highly rated, but are willing to buy on open account. If you have never tried buying on cash, you will be agreeably surprised with the saving that you can make by sending your orders to us.

Send No Money: We will gladly ship your order C. O. D. if you wish, so you can examine the goods before you pay for them. We don't ask you to illustrate. Keep your money working for you at home. C. O. D. collection charges are very small.

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Stock Numbers: Always use our stock numbers when ordering to avoid possibility of error. Also be sure you use current edition of our catalogue when writing your order. We protect you against price increases for the life of each catalogue, and give you any reduction at once.

ABOUT RETURNING GOODS
Before returning any piece of radio apparatus or receiving set, write explaining your difficulties. Our experts may be able to help you. If something is unquestionably defective, we will give you shipping directions. Send no goods back without first writing us for instructions.

Remember 2% Discount on all Orders
We allow a regular dealer discount of 2% from all prices in this book, whether you send cash with order or have your goods shipped C. O. D.
HARRY ALTER'S RADIO BOOK is a Dependable Buying Guide for You

MINUTE MAN

SHIPPING SERVICE
Our fast, accurate shipping service is the best in the business. No other radio wholesale house is so prompt and speedy.

American Express Co.
Station Right In Our Building

The American Express Co. maintains an office right in our building. We make it a point to catch the early trains for all classes, Express, Parcel Post or Freight, which means often a saving of 24 hours in the delivery to you. Order From the Harry Alter Co.

Laboratory-Tested Merchandise
When we do our buying, we take nothing for granted. We maintain a testing laboratory of our own where every radio article goes under the closest scrutiny. Only when it passes the most rigid tests are we content to list it in The Harry Alter Radio Book. We want to know that the quality is there and that the workmanship is mechanically O.K. before offering it to our dealers. We back our goods with a broad guarantee; and we insure the guarantee by actual test before we list a single item.

We Protect Our Dealers—We Do Not Sell to Private Individuals
We sell to dealers only — never to private individuals. Only those who are in business, buying goods for resale purposes, can get our catalogues or our goods. We check up every order and every request for a catalogue before filling it, to make sure it comes from a legitimate dealer. You can help us maintain this dealer protection policy 100 percent by letting us know promptly of any cases where one of our wholesale catalogues gets into the hands of a non-dealer. It helps us; and it protects you.

Remember—
2% Discount On All Orders
We allow a regular dealer discount of 2% from all prices in this book, whether you send cash with order, or have your goods shipped C. O. D.

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NEW LOW PRICES ON
RELY-O-DYNE AND BRUNELLI-JONES
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CABINETS—Page 89

THE HARRY ALTER CO., CHICAGO, ILL.
HARRY ALTER'S  RADIO BOOK  DEC., 1927

Farrand Speakers

Farrand was unquestionably the leading manufacturer of wall and ceiling four-way reproducing equipment among the manufacturers of the 1926-27 season and the new improved OVAL models are the fastest selling cone speakers this season. Combined with the nation-wide acceptance of FARRAND products, and their known quality, these startling innovations assure an even greater demand than in the past—an unprecedented profit—making opportunity for FARRAND dealers.

FARRAND Oval Wall Model 30
Designed for hanging on wall. Mounted in handsome walnut frame and furnished with heavy, silk hanging cord and tassel. Size 23¾" x 32".
No. 96026  List $45.00 Each $27.00

FARRAND Oval Junior
Always the surprise value of the radio world, the FARRAND Junior, in its new Wall Model, becomes a more startling value than ever. A smaller edition of the Farrand Senior and its only rival. Embodies all new Farrand improvements. Elegantly proportioned, bronzed base. 13¾" x 15¾".
No. 96064  List $18.50 Each $9.90 Less 25% $7.92

Farrand OVAL Senior
Embodies remarkable advance in design and construction. The famous unlimited tone radius is still further accentuated through employment of NEW laminated driving unit. Mounted on handsome bronze base. Beautifully proportioned, leather motif, oval shaped cone. 16¾" x 23¾".
No. 96035  List $32.50 Each $19.50 Less 25% $14.63

Peerless Reproducer

The Peerless Reproducer is one of the outstanding successes of the speaker field. The Peerless gets those low notes. Enclosed in beautiful mahogany cabinet. The gothic design adds eye value to any installation. Has remarkable range of tone and reproduces with amazing fidelity.
No. 96836  List $25.00 Each $15.00 Less 25% $11.25 Net

Pacent Cones

The new Pacent in the artistic Moorish design cabinet is of stunning proportions. The new type unit and carefully designed engineering features establish a new standard on cone speaker performance. Flawless reproduction and reliable tone quality have made this Pacent Cablised Speaker a ready seller for the dealer. Sells on demonstration. Two-tone antique mahogany finish.
No. 96887  List $35.00 Each $21.00 Less 25% $15.75 Net

Regular Pacent Cone

17 In. Diameter
With handsome, bronze base, detachable for converting into wall type model. A wonderful Cone Speaker with real quality reproduction.
No. 96888  List $22.50 Each $13.50 Less 25% $10.13 Net

Wirt Cone Speakers have won distinct and widespread approval. The quiet simplicity and dignity, the soft neutral bronze finish and silk-backed grille harmonize perfectly. Adjustment knob in the back. The highly sensitive reproducing element responds to every radio impulse. Free-edge. Articles in every respect.
No. 94679  List $20.00 Each $15.00 Less 25% $11.25 Net
TOWER

SPAKERS

A complete line of greatly improved Cone Speakers with marvelously efficient units. Attractive in appearance—a wonderful line for you to feature.

CASTLE CONE

Departing from usual cone speaker design, the CASTLE CONE embodies real work of art. Picturesque medieval castle cast in relief and finished in two-tone bronze. Adapted to power tubes. 17” diameter.

No. 96071—List, $11.95. Each, $7.17. Less 2% or............. $7.03

MODEL "28" DRUM

The popular Drum Cone Type with an elaborate heraldic design grills on front and back. Has the finest armature unit made. Richness of tone and faithfulness of reproduction makes this model a leader in the speaker field. Diameter, 133/4".

Height, 16".

No. 96070—List, $17.50. Less 40%. Each $10.50. Less 2½% or.. $10 29

New Improved MEISTER SINGER CONE

A most beautiful Speaker delivering a quality of reproduction second to none. Powerful armature unit specially designed for use with power tubes. Mahogany finish wooden frame. 15 ft. of cord and cyrstal for hanging speaker on wall. Diameter. 20 inches

No. 96074—List, $15.00. Each, $9.00. Less 2½% or........ $8 82

ADVENTURER AND PIRATE SHIP

Both models are designed to appeal to lovers of ship models. Ship is cast metal with protecting rim. Natural coloring. Beautiful appearance.

ADVENTURER Model 17" Diameter
No. 96072
List, $11.95
Each, $7.17
Less 2½% or............. $7 03

PIRATE SHIP Model 14" Diameter
No. 96073
List, $5.95
Each, $3.75
Less 2½% or............. $5 26

CONSOLE-UNITS

THE HARRY ALTER CO., CHICAGO, ILL.
**HARRY ALTER'S RADIO BOOK**

**MADE IN SALT LAKE CITY**

**“No. 16” DRUM SPEAKER**
A real Drum Cone Speaker with the usual UTAH Tone Quality. Attractive design with decorative grill. An unusually well-made speaker of latest design at a remarkably low price.
Dimensions: 16 1/2 in. high, 14 1/2 in. wide, 4 1/2 in. deep.
No. 16064—List $12.00 Less 40% Each $9.00 Less 2% or...

$9.41 Net

**THE BIGGEST VALUE IN A FINE TONE QUALITY SPEAKER TO-DAY**

**UTAH “No. 100” CABINET SPEAKER**
This is a fine Cabinet Speaker with a full 90° air column and Utah De Luxe Unit. Finished in walnut. Ample room for all batteries and charger. Grill opens in front for easy access. Will lend itself to any cabinet-model radio.
Two models.
No. 96067—Model 100, 36” high, 27 1/2” wide, 17” deep. List, $70.00. Each, $42.00. Less 2% or...

$41.16 Net

No. 96068—Model 101. Philco Special. Takes standard Philco Power Unit. 36” high, 27 1/2” wide, 19 1/2” deep. List, $75.00. Each, $45.00. Less 2% or...

$44.10 Net

**UTAH “SCREEN” SPEAKER**
The most novel and at the same time extremely attractive French “Screen” Speaker. Beautiful antique brown finish. The “Screen” is 40” high, 28” wide and 12” deep. Equipped with 90-ft. air columns and Utah Unit. The French “Screen” Speaker is already a decided success.
No. 96069—List, $100.00. Each, $60.00. Less 2% or...

$58.80 Net

**NEW 1927-28 LINES**

**UTAH SUPER-FLEX SPEAKER**
Amazing tonal qualities, volume and accuracy of reproduction are the result of this UTAH SUPER-FLEX. Based on proved principles of detection. A most popular speaker that measures 3 1/2 in. high by 5 in. wide. Total perfection and economy of space required two important features of this well-liked speaker. New Walnut Finish.
No. 92724—List $10.00.
Each $6.00 Less 2% Discount or...

$5.78 Net

**UTAH “PIANO” SPEAKER**
This unit is attached to the sounding board of the upright or grand piano. Easily installed. Has admirable tone quality. Nickel finish. Equipped with 25 feet of cord. A sensational new departure. Delivery now.
No. 94993 List, $10.00 Each, $6.00 less 2%

**UTAH STANDARD SPEAKER**
The Utah unit is a marvel of simplicity. The magnets are matched by a new, ingenious method. Made of semi-hard rubber, the horn has a rich semi-dull Morocco leather finish. UTAH is unquestionably one of the finest speakers. Two types.
No. Bell List Each
92737 Standard 14 $22.50 $13.50
92527 “Junior” 11 12.50 7.50

Less 2%

**UTAH PHONO SPEAKER**
Finished in black rubber, furnished with or without stand to fit consoles. Beautiful, undistorted, musical qualities.
No. 92736 With Stands. List $10.00 Each $9.00
No. 92732 Threaded Unit. List 6.50 Each 3.90
No. 96077 De Luxe Unit. 8.50 5.10

THE HARRY ALTER CO., CHICAGO, ILL.
FAIRFAX TONE CHAMBERS

These Fairfax Tone Chambers give most faithful reproduction and are so shaped as to fit the majority of consoles. Specially processed all wood, carefully molded. Standard threaded units will fit these horns.

FAIRFAX MASTER

Comes to you mounted in a light weight wood box, which you can slide into console. Scientifically constructed to reproduce all notes without distortion. Model No. 595 has full 8 Foot tone travel.

<table>
<thead>
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<th>Model</th>
<th>Front</th>
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<td>550</td>
<td>21½&quot;x18&quot;</td>
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<td>570</td>
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USE A FAIRFAX For Demonstration Purposes

Adaptable to a great variety of purposes. Front area, 6½"x16", Depth 10½".

No. 96085—Model 540. List, $6.75. Each

SMALL SIZE CHAMBERS

These two models, 548 and 549, will enable you to fit speakers into practically all consoles. Though small in size, they deliver exceptional tone volume and quality. Scientifically shaped and well built.

<table>
<thead>
<tr>
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<td>96087</td>
<td>584</td>
<td>12&quot;x6½&quot;</td>
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THE SPEAKER

Amplion quality is an accepted standard throughout the world wherever radio is used. Every AMPLION model is designed by a recognized artist and built with an eye to beauty.

THE LION

Model A-C 21

A beautifully blended, bronze finish cone, 14 in. in diameter, mounted on an 18 in. walnut sound board. Height 20½ in., including bronze more base. New balanced armature unit with straight bar magnets of the finest Tungsten steel. Includes features which are recognized by radio engineers as the most efficient for quality reproduction.

<table>
<thead>
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WALL TYPE

Mural Model AC-24

Instead of base it is equipped with brown silk cord for hanging on picture molding.

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COLONIAL CONE

Model AC-12

Handsome two tone mahogany cabinet, 14 x 14 x 9 in., with fine finish finish. Equipped with the fine straight bar magnets of Tungsten steel. Produces natural tone of singular sweetness.

<table>
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AMPLION SHIELD

Model AC-27


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AMPLION FIRESIDE

Model AC-38

Height 30½ in. Has 16½ in. cone, mounted on this large sounding board. Unusual combination of beauty.

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AMPLION UNITS

Amplion Units are in a class by themselves. Unexcelled for tone quality.

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AMPLION PATRICIAN

The Model AA-18 in the graceful cabinet, has long air column and comes equipped with the remarkable Amplion unit. Handsomely hand-carved cabinet.

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AMPLION GRAND

Model AC-15 is a Walnut cabinet, 34 x 18 x 18 in. and comes equipped with COBALT steel magnet unit. A most magnificent instrument.

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<thead>
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<th>Model</th>
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</tbody>
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THE HARRY ALTER CO., CHICAGO, ILL.
HARRY ALTER'S RADIO BOOK DEC., 1927

THE TEMPLE SPEAKERS

THE TEMPLE Speaker has given the world a new appreciation of radio. After nine years' research, Prof. F. G. Andres produced this long, compensated air column, which reproduces music and voice with unequaled tone quality.

TEMPE PEDESTAL

The Temple Drum is scientifically and acoustically correct and reproduces faithfully every tone. The TEMPLE Drum is a unique instrument that will enhance the tone quality of any radio set. The long exponential air column, 54", is coordinated and matched with a most efficient unit. This beautiful Drum is finished in Brown Crackle and has a very well-designed base. All in all, a speaker that sells by demonstration and stays sold. Furnished in two sizes.

No. 96039—Diameter, 15'. Air Column 54'. List, $29.00. Each, $17.40
Less 2% or ......

$17.05 Net

TEMPE PEDESTAL

16 inch Drum on beautiful pedestal 41 inches high. No. 97004—Complete. $22.50
List $37.50 Each ......

No. 96058—Diameter 16', Air Column 75'. List $45.00.
Each $29.10 Less 2% or ......

$28.52 Net

TEMPE DEALEROLA

18 inch Drum for demonstration purposes, with pipe. No. 97075—Complete.
List $40.00 Each ..........

$24.00

CONSOLE Model 65

The TEMPLE Console Speaker model has many distinctive features that will make it a decided favorite. It is well proportioned, has lower shelf for magazines and books and is beautifully finished in Walnut—Spanish design. Doors are equipped with "full-swing" hinges. Contains the large 18" Tone Chamber with 72" of air column, size of cabinet top with air inside, 14 1/2"x22", height to floor 36 inches.

No. 96057—Model 65 Console
List, $65.00
Each, $39.00
Less 2% or ......

$38.22 Net

Make money with Temple Speakers

ACME of Cambridge SPEAKERS

ACME K-1 SPEAKER

So well constructed is this speaker that it will take safely the full output of the 310 tube without hindering. A single adjustment is provided for taking care of increased plate current when used. The metal case is finished in tan and easily harmonizes with all kinds of living-room furniture. Diameter of cone, 13 inches.

No. 96075—List, $25.00
Each, $15.00 Less 2% or ......

$14.70 Net

ACME K-3 SPEAKER

This is a very popular SINGLE Free-Edge Cone Speaker. Metal case and base are finished in green bronze of beautiful color.

No. 96079—List, $14.80
Each, $8.70
Less 2% or ......

$8.53 Net

ACME SYMPHONIC GLOBE SPEAKER

The most unusual and attractive piece of radio merchandise ever offered. An excellent cone speaker built into a genuine full-sized library Globe mounted on a bronze finished pedestal. This represents something really new in radio. Not a makeshift but a real up-to-date map of the world. Furnished with 50 feet of cord. Globe contains full range of reproduction loud speaker. Unstained, comparison with any speaker in its price class. A big item

No. 96492—List, $26.00
Less 40%, $16.00
Less 40%, $21.00
Less 2% or ......

$20.50 Net

THE HARRY ALTER CO., CHICAGO, ILL.
NATHANIEL
Baldwin
Products

Baldwin Units have acquired a reputation that has given them a commanding position in the eyes of the radio dealer as well as the public. Baldwin Units are recommended especially for the new orthophonic type speakers so much in vogue now. A Baldwin Unit will improve the tone quality. Are threaded and fit any standard console speaker.

<table>
<thead>
<tr>
<th>No.</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94932</td>
<td>Baldwin Rival Unit</td>
<td>$7.00</td>
</tr>
<tr>
<td>94933</td>
<td>Baldwin Concert Unit</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

Phono-Units and Headsets

Baldwin Headsets and Phono Units have set a high standard and are in demand. Arms for attaching Phono-Units to orthophonic Victrolas or special phonographs can be supplied at nominal charge.

<table>
<thead>
<tr>
<th>No.</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94934</td>
<td>Baldwin Headset C</td>
<td>$3.90</td>
</tr>
<tr>
<td>94935</td>
<td>Concert Phone Speaker</td>
<td>$12.05</td>
</tr>
<tr>
<td>94936</td>
<td>Concert Grand Phone Speaker</td>
<td>$15.00</td>
</tr>
<tr>
<td>94937</td>
<td>Standard Phone Speaker, with Pedestal</td>
<td>$8.00</td>
</tr>
<tr>
<td>94938</td>
<td>Standard Phone Speaker, without Pedestal</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

SALT LAKE
ConsoLe UNITS

High grade replacement units with threaded end that fits all standard horn and console speakers. Every unit is tested and will carry large output load.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96118</td>
<td>With Nickel Case</td>
<td>$2.65</td>
</tr>
</tbody>
</table>

THE AMSCO ORTHOPHONE

The newest device to protect the speaker, where power tubes are used. It is placed between speaker and set by external connections. Increases volume, improves quality and protects the speaker from intense direct plate current. 4½" x 3¼" x 2½". Essential for power tube.

No. 94759 List, $6.00 Each, $3.60 Less 2½% or 3 NET

Sprague Tone Control

The Sprague Tone Control is the only variable high capacity condenser (capacity range from 0 to .002 Mfd.). Installed between set and speaker, it allows for accurate "impedance matching" and assures better reception and clearer tone quality. Instant connection with cord tips.

No. 94986 List, $3.50 Each, $2.10

GENERAL
Radio
Speaker Filter

Type 387A covers a very wide frequency range. No distortion. 4½" x 3½" x 7. Protects speaker windings from direct current.

No. 97190 Type 387A List, $6.00. Each $3.90

GENERAL RADIO
Output Transformer

Similar in appearance to type 295 Amplifying Transformer especially adapted to CX-112 and 202 tubes. Adapts the output impedance of amplifier tube to input of speaker.

No. 97181 Type 367 List, $6.00. Each $3.25

Muter Tone
Filter and Clarifier

The Muter Clarifier will improve the tone quality of your speaker. Constructed with a special dual choke coil and large capacity filter condenser. Easily attached without disturbing set. Also protects speaker from high "B" voltages.

No. 96998 List, $5.00 Each $3.80

Phonovox

Electric Phonograph Reproducer

This device enables anyone having a phonograph and a radio set to modernize their phonograph and reproduce records with wonderful tone quality. This magnetic pickup or electrical phonograph reproducer is a big seller and offers excellent sales possibilities to the dealer. A FACENT product that is built right. Easy to install. Sold complete with adapter and volume control.

No. 94996 List, $12.50 Each, $7.50 Less 2½% or...

$7.35

THE HARRY ALTER CO., CHICAGO, ILL.
PLUGS AND EXTENSION CORDS

CARLTON PLUGS

**FLAT PLUG**

Cords hang from bottom of handle instead of projecting. Uses no triggers, push buttons; cord tips completely concealed.

No. 92470—List, $0.75. Each... $0.45

**CARTER "ONE-WAY" PLUG**

One pair of cord tips is held by heavy phosphor-bronze spring making contact full length of the tip. Has no small screws or trigger.

No. 92459—List Price 50c. Each... 30c

**CARTER "TU-WAY" PLUG**

Takes two phone sets at one time. Fits all jacks. Well made.

No. 92457—List 60c. Each... 36c

**CARTER No. 2 FLAT PLUG**

Smallest and neatest plug made. Cord tips held by screws. Molded Bakelite.

No. 96114 List 50c Each 30c

**SIGNAL Comparator**

A simple device to test 5 speakers at one time. Very handy in demagnetizing various speakers. Sturdily built. Takes up little space. Well finished.

No. 97127 List $3.00. Each... $1.80 Less 2% or... $1.78 Net

**Hako Plug**

An exceedingly well built automatic plug that holds tips firmly.

No. 93099 Each... 13c 10 Lots... 12c

**Marco Plugs**

The very latest in plug design. Can furnish both types, either round or flat type. Easy to connect and strongly built.

No. 93485 Round type $0.30 19c 18c

93486 Flat type... $0.50 32c 36c

**Weston Plug**

One of the smallest and most compact of all automatic plugs. Contacts held firmly until released by a slight pressure on the prong. Bakelite.

List 60c No. 92707—Each... 40c 10 Lots... 39c

**Muter Plug**

(Shock Proof)

A black moulded plug, 21/8 inches long, with highly nickelized brass parts.

List, 40c No. 93440—Each... 24c

**Extra Headset Cords**

High grade black mercerized cotton tinsel cord with soldered terminals and tips.

No. Type Y+" 5-w.y for Headsets... 5 ft. 2 Conductor for Loudspeakers...

92536... 5 ft. 19c 18c

92537... 5 ft. 19c 18c

2 Conductor Ext. Cord... 20 ft. 21c 21c

2 Conductor Ext. Cord... 30 ft. 25c 25c

**Belden Loud Speaker Extension Cord**

25 Ft. Extension Cord with handy bakelite connector. Color rubber insulation prevents leakage.

No. 96188 With Connector

List $1.20 Each 72c

No. 96109 5 Ft. Long without Connector

List 30c Each 18c

**Frost Radio Extension Cord**

Enables the radio set owner to place his loud speaker in a room at a distance from his receiver.

Length Each

No. 93096 10 ft. $1.20

93097 20 ft. 1.35

93098 30 ft. 1.50

93095—Jack only... .45

**Frost Plugs**

Two automatic molded bakelite plugs. Beautifully finished and priced right.

No. 96115 Single... $0.50 30c

96116 Double... $0.75 45c

**G-R-P**

**3 Foot Cone Speaker Build It Yourself**

**Double 3 Ft. Cone**

The very latest,"build your own" 3 Ft. Cone. This year’s H. R. Penn’s DOUBLE 3 Ft. is built flat on the floor. Excellent tone quality. Comes complete with new 4-pole unit of the most sensitive construction. Takes all voltages up to 350 volts. Kit contains decorated Fonotex paper for front and back, link rings, cheap, brad, ambroid cement and all hardware.

No. 96946 List $13.50 Each... $8.10 Less 2% or...

**$7.94**

No. 96947 List $10.50 Each... $6.30 Less 2% or...

**G. R. P. Cone Speaker Unit**

The highest type 4-pole unit with adjustable armature. Extreme sensitivity. Will not blast at any volume. Operates any size speaker successfully.

No. 96948 List $8.50 Each...$5.40 Less 2% or...

**G. R. P. "Imperial" Cone**

A leader in the field of middle cones. Completely assembled. Wonderful tone quality.

No. 96949 List $4.50 Each $1.47 Less 2%

Windsor 22 Inch Cone

This is a 22" decorated cone speaker mounted on a sounding board of wood the same as the type described above. It can either be placed on a table as easy or hung on wall. An unusual cone speaker at a cost that makes it a real seller.

No. 94756 List $15.00 Each... $9.00 Less 2% or...

**$8.82**

No. 94757...
Build A 3 ft. Cone

ENSCO 3 FT. CONE KIT

The ENSCO 3 Ft. Cone is endorsed by all leading radio and technical magazines and engineers. A complete home assembly that requires but a half hour to put together. The ENSCO unit with Tungsten magnet has demonstrated its high quality. A high cone speaker that gives real reproduction. Full instructions with each kit. There is a big demand for 3 Ft. Cones. A very profitable item for the dealer.

No. 97936 Wall kit List $11.00 Each $7.15 6 Lots $6.60
No. 97937 Unit Only List $9.00 Each $5.40

The Aalco Loop has always been a favorite on account of its superior features and uncommon efficiency. Wound with maroon silk colored wire on walnut frame. Rotates freely. An extremely sensitive loop that performs remarkably well on all sets with .0005 condensers.

No. 91657 List Each $12.50 $7.50 Less 2%

BODINE DE LUXE LOOP

The new BODINE De Luxe is a beautifully finished loop, that is both compact and efficient. The frame is re- sected solid walnut, hand rubbed. Windings covered with luminous silk braid. Has special low capacity 3 contact jack, which permits loop to be rotated continuously.

No. 93449—For .0005 Condenser List $12.00 Each $7.20

DURO-Qualitone Loops

A very efficient collapsible loop. Wood work is of selected solid walnut, hand rubbed, natural finish. The wire spacers are made of best grade insulating material reducing losses to a minimum. Provided with removable center tap and either 2 or 3 leads may be used. The adjustment feature assures taut wires at all times. The Deluxe model turns within a radius of 5¼ inches, the Qualitone within a radius of 7½ inches. Die-cast for use with .0005 condensers.

DE LUXE MODEL Overall Dimensions 20" x 11" x 3¼"
No. 97894 List $12.50 Each $7.50
THE QUALITONE MODEL Overall Dimensions 34" x 18" x 3¼"
No. 92957 List $10.00 Each $6.00 Less 2%

FIAT LOOP

The new Console Fiat Loop combines remarkable efficiency with unusual beauty. Solid American walnut frame with graceful lines of simple Colonial design. Metal parts and name plate rose 1½. Patented Bank Winding assures high ratio of inductance, Height, 26½. A very fine loop. For .0005 condenser.

No. 95085 List $12.50 Each $7.75 Less 2% or Net

HYATT Ship Model A

A complete, compact 8-tube, single dial PORTABLE set that will give excellent satisfaction. Clear reception and good volume. Will receive over good distance. Special transformer and efficient radio frequency construction assures a high type of reception. Operates with 6½ flirt tube cells and is easily tuned. It is a truly portable set and can be carried anywhere, either from room to room or in the open. Furnishes endless programs on all occasions. An improved model that gives full satisfaction.

Without Accessories List $55.00
Each $5.00 Less 2½ or

ANTENNA COUPLER, for extreme distance and for use with outside aerial.
No. 97970 List $3.50 Each $2.10

AERO-DOME Indoor Ball Antenna

This indoor ball antenna is equivalent to 5½ ft. of aerial wire and can be placed anywhere in the room or fitted into space in, close to the wall. Scientific construction assures most excellent results. Easy to connect. Will not cause interference. Excellent of construction is shown by fact that it is now incorporated in several console models of well-known manufacturers. Ball 9" in diameter.

No. 96416 List Each $12.50
Less $7.75 or Net $7.35

THE HARRY ALTER CO., CHICAGO, ILL.
Cunningham
RADIO TUBES

We are direct distributors of CUNNINGHAM Tubes and carry a large stock at all times. We can serve you promptly on all your requirements.

CUNNINGHAM Tubes without a question have created in the field of radio a degree of satisfaction and good will second to none. There are actually millions of users and this universal acceptance offers you a minimum of sales resistance. The effective national and local advertising by CUNNINGHAM is a real and decisive sales help in the merchandising of these standard tubes.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91616</td>
<td>CX301-A....</td>
<td>5.0</td>
<td>.25</td>
<td>$1.75</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>91620</td>
<td>CX300-A....</td>
<td>5.0</td>
<td>.25</td>
<td>$1.75</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>91607</td>
<td>C11.........</td>
<td>1.1</td>
<td>.25</td>
<td>$1.75</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>91618</td>
<td>CX12........</td>
<td>1.1</td>
<td>.25</td>
<td>$1.75</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>91609</td>
<td>C239........</td>
<td>3.0</td>
<td>.06</td>
<td>$1.75</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>91619</td>
<td>CX299........</td>
<td>3.0</td>
<td>.06</td>
<td>$1.75</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>91634</td>
<td>CX340(Hi-Mu)</td>
<td>5.0</td>
<td>.25</td>
<td>$1.75</td>
<td>$1.20</td>
<td></td>
</tr>
</tbody>
</table>

QUALITY OUTPUT TUBES

For use only in the last stage of audio frequency.

<table>
<thead>
<tr>
<th>CX220</th>
<th>Dry Battery Amplier Tube, plate voltage, 135 volts. 'C' battery voltage of 24.5 volts required. filament operated parallel with remaining tubes. Exception: CX550 tubes.</th>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91412</td>
<td>CX220...........................................................................</td>
<td>5.0</td>
<td>.125</td>
<td>$2.50</td>
<td>$2.00</td>
<td>$1.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CX112A For storage battery sets. Can be used with 60 volts, but 135 volts recommended with positive grid voltage of 9 volts. Especially recommended for TRF circuits.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91613</td>
<td>CX112A.....</td>
<td>5.0</td>
<td>.25</td>
<td>$2.50</td>
<td>$2.00</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

REJECTING TUBES

CX380 New FULL WAVE Rectifier with a maximum output of 125 milliamperes. Has new, oxide-coated ribbon filament of great ruggedness.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>94975</td>
<td>CX380.......</td>
<td>5.0</td>
<td>2.0</td>
<td>$5.00</td>
<td>$3.50</td>
<td></td>
</tr>
</tbody>
</table>

CX371A Undistorted quality output is 40 times that obtainable from CX301-A. Recommended "B" 90 volt 135 volt 150 volt Voltages "C" -150 volt 27 volt -40.5 volt

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91628</td>
<td>CX371A.....</td>
<td>5.0</td>
<td>.25</td>
<td>$5.00</td>
<td>$3.50</td>
<td></td>
</tr>
</tbody>
</table>

CX310 Recommended for heavy duty loud speakers. Plate voltages may range from 90 to 425 volts, with a corresponding "C" of 5.5 to 25.5 volts. Can be used for amateur transmission.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91614</td>
<td>CX310.......</td>
<td>6.0</td>
<td>1.1</td>
<td>$9.00</td>
<td>$6.30</td>
<td></td>
</tr>
</tbody>
</table>

SPECIAL TUBES

For regulating line voltage, plate voltage and for protection of plate circuit against A. C. Current.

CX374 GLOW LAMP for plate voltage regulation. Voltage on amplifier tube cannot exceed 90 volts regardless of number of tubes or restriction in line voltage.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91648</td>
<td>CX374.......</td>
<td>5.0</td>
<td>2.0</td>
<td>$5.00</td>
<td>$3.50</td>
<td></td>
</tr>
</tbody>
</table>

C376 BALLAST Tube, desinged for use in series with primary of "B" eliminating transformer. Has mogul base.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91617</td>
<td>C376.......</td>
<td>5.0</td>
<td>2.0</td>
<td>$5.00</td>
<td>$3.50</td>
<td></td>
</tr>
</tbody>
</table>

C377 PROJECTIVE Tube, designed for protection against “shorts” in plate circuit; eliminates possibility of accidental burning out tubes. Special double contact bayonet base.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Volt</th>
<th>Amp.</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>91648</td>
<td>C377.......</td>
<td>5.0</td>
<td>2.0</td>
<td>$5.00</td>
<td>$3.50</td>
<td></td>
</tr>
</tbody>
</table>

NEW CUNNINGHAM A. C. TUBES

The new CX326 and C327 A. C. Tubes permit the use of unrectified alternating current supplied through a step-down transformer and dispense with customary filament current supply by batteries, rectifying devices and filter systems. Type CX326 is a 1/4 volt raw A. C. filament tube drawing a current of 0.65 amp. and has standardized CX base. Type C327 is a so-called A. C. heater type and primarily intended as detector tube, used with CX326. Requires 1.75 amp. at 212 volt A. C. Type C327 employs a special 5-prong base.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>New A. C. Type</th>
<th>List</th>
<th>Each</th>
<th>Less 25% or Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>94977</td>
<td>CX326......</td>
<td>C327.............</td>
<td>$2.00</td>
<td>$1.50</td>
<td></td>
</tr>
<tr>
<td>94978</td>
<td>C327........</td>
<td>A. C. Detector (5-prong)</td>
<td>$6.00</td>
<td>$4.20</td>
<td></td>
</tr>
</tbody>
</table>
## BURGESS RADIO BATTERIES

**HARRY ALTER'S RADIO BOOK**

**UNQUESTIONABLY the finest radio batteries made.** Our stock is always fresh and kept complete for immediate shipment. None better. BURGESS Batteries have more life built into them and are specialized Radio batteries. Burgess batteries have set a high standard.

### FLAT TYPE

<table>
<thead>
<tr>
<th>No.</th>
<th>Volts</th>
<th>Type</th>
<th>No.</th>
<th>Pkg.</th>
<th>List</th>
<th>Single</th>
<th>Std.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9130</td>
<td>22½</td>
<td>Untapped</td>
<td>5156</td>
<td>5</td>
<td>$1.75</td>
<td>$1.22</td>
<td>$1.14</td>
</tr>
<tr>
<td>9131</td>
<td>22½</td>
<td>Unt. Small</td>
<td>4156</td>
<td>10</td>
<td>$1.50</td>
<td>$1.05</td>
<td>$1.00</td>
</tr>
<tr>
<td>9132</td>
<td>22½</td>
<td>Variable</td>
<td>2158</td>
<td>10</td>
<td>$2.00</td>
<td>$1.40</td>
<td>$1.30</td>
</tr>
<tr>
<td>9135</td>
<td>45</td>
<td>Variable</td>
<td>2306</td>
<td>5</td>
<td>$3.75</td>
<td>$2.62</td>
<td>$2.44</td>
</tr>
</tbody>
</table>

### VERTICAL “B”

<table>
<thead>
<tr>
<th>No.</th>
<th>Volts</th>
<th>Pkg.</th>
<th>List</th>
<th>Each</th>
<th>Std.</th>
</tr>
</thead>
<tbody>
<tr>
<td>91539</td>
<td>10</td>
<td>45</td>
<td>$4.75</td>
<td>$3.40</td>
<td>$3.17</td>
</tr>
<tr>
<td>91533</td>
<td>21½</td>
<td>45</td>
<td>$1.40</td>
<td>$1.30</td>
<td></td>
</tr>
<tr>
<td>91534</td>
<td>23½</td>
<td>45</td>
<td>$3.75</td>
<td>$2.62</td>
<td>$2.44</td>
</tr>
<tr>
<td>91529</td>
<td>51½</td>
<td>45</td>
<td>$1.75</td>
<td>$1.22</td>
<td>$1.14</td>
</tr>
<tr>
<td>91542</td>
<td>53½</td>
<td>45</td>
<td>$3.25</td>
<td>$2.27</td>
<td>$2.11</td>
</tr>
</tbody>
</table>

**2% Discount Off Prices Shown**

### NEW BURGESS SUPER

**“B” BATTERY**

A new "Super" Burgess 45 Volt “B” Battery that goes more and is designed to meet the needs of the heavy current consuming sets. The "Super" has larger cells, the construction is superior, each cell is aged and tested and it is thoroughly insulated against developing effects of climate and weather. Increased size 8%’ x 4½” x 7¼”.

**No. 94995**

<table>
<thead>
<tr>
<th>45 Volts</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>List $5.00</td>
<td></td>
</tr>
</tbody>
</table>

### BATTERY TESTER OUTFIT

Consists of one high grade guaranteed hydrometer and a one-half gallon jar for distilled water or acid solution. A rubber stopper keeps the contents clean and prevents evaporation. Suitable for all batteries. Stock No. 31186

**$69c**

### ALA RADIO BATTERY

- Hydrometer for "A" and "B" batteries
- Made from highest grade Corning Glass
- Acid-resisting rubber insures long life
- Every float guaranteed accurate

**No. 91684**

<table>
<thead>
<tr>
<th>Each 10 Lts</th>
<th>Pkg. 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>26c</td>
<td>$23.50</td>
</tr>
</tbody>
</table>

### IN-A-CAP HYDROMETER

- Instantly tells you whether battery needs additional water or recharging
- An ever-ready dip-proof hydrometer
- Eliminates all danger and fuss

**No. 94065**

<table>
<thead>
<tr>
<th>Single</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0.75</td>
<td></td>
</tr>
</tbody>
</table>

**No. 94066**

<table>
<thead>
<tr>
<th>Set of 3</th>
<th>2.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.20</td>
<td></td>
</tr>
</tbody>
</table>

### TELL-TALE HYDROMETERS

- With patented molded prong float, which will not stick
- Acid resisting red rubber parts
- No leaks

**No. 91625**

<table>
<thead>
<tr>
<th>Each 49c</th>
<th>12 Lts 47c</th>
</tr>
</thead>
</table>

### BATTERY FILLER

One gallon capacity, and is used for either distilled water or acid solution. The nozzle is made of vulcanized acid resisting hard rubber. A heavy metal frame. Special bracket attached to frame holds hydrometer. Stock No. 31185

**$1.79**

---

**FAMOUS "BREAK-NOT" HYDROMETER**

- New made in two models. Has 24” nozzle to reach into cabinet.
- Equipped with patented float-stabilizer and protected against breakage.
- Kind of battery testers. With Stand and Nozzle.
- No. 91601 $1.00 67c 63c

**REGULAR TYPE**

**No. 91686** List $1 Each 67c 10 Lts 63c

**“BOSS” HYDROMETER**

An accurate instrument with clear scale.

<table>
<thead>
<tr>
<th>Each 10 Lts</th>
<th>43c 40c</th>
</tr>
</thead>
</table>

**No. 91687** List $0.75...
NEW 1927-28 LINES

AMPLUS

“A” SOCKET POWER

An efficient 6 volt “A” Power supply contained in an attractive metal case with splendid finish. The unit consists of a rugged Amp-Plus 40 amp. battery with perforated rubber separator and wood insulation; a genuine WESTINGHOUSE RECTOX Disc Type charger, an automatic relay which controls the radio set and “B” supply and a “B” Receptacle. A most compact unit that will give absolute satisfaction. Has 5 amp. safety fuse. Toggle switch for intermitent or constant charging. Give this AMPLUS “A” Unit a trial and you will use it regularly.

No. 96901 List $30.00

$1764

Net

YANKEE Combination

“A” AND “B” BATTERY TESTER

A very clever instrument that you will sell easily in big quantities. One instrument to do the work of two. Left contact point tests “B” batteries up to 60 volts. Right contact point tests 6 volt storage batteries. Tells condition of battery at a glance. A very efficient useful instrument. No. 96666 Each $1.35

LEASE 2 %

APCO FULL AUTOMATIC CHARGER

The APCO Full Automatic Charger employs the newest system of rectification consisting of the Westinghouse Rectox Unit. The APCO Unit relay is made to exacting standard, has pure silver contacts and sheet of phosphorous bronze. The new automatic “A” Charger is for use with regular six volt batteries and has an output depending on battery conditions, from .75 to 1 amp. No. 96693 List $16.50 Each $9.90 Less 2% or

$970

NET

FULLY AUTOMATIC CHARGER

Cat Showing Cover Removed. Enclosed in Attractive Steel Case.

DEALER’S PRICES

<table>
<thead>
<tr>
<th>Type</th>
<th>Volt</th>
<th>Amp. H.</th>
<th>List Each Including Electrolyte</th>
</tr>
</thead>
<tbody>
<tr>
<td>56RX</td>
<td>6</td>
<td>65</td>
<td>$13.25 $9.95 $7.95 Less 2%</td>
</tr>
<tr>
<td>76RX</td>
<td>6</td>
<td>100</td>
<td>16.50 12.50 9.90 Less 2%</td>
</tr>
<tr>
<td>96RX</td>
<td>6</td>
<td>130</td>
<td>19.90 15.90 11.94 Less 2%</td>
</tr>
<tr>
<td>116RX</td>
<td>6</td>
<td>160</td>
<td>25.00 20.00 15.90 Less 2%</td>
</tr>
</tbody>
</table>

MAHOGANY FINISH WOOD CASE

“A” BATTERIES

With Ball Handle

<table>
<thead>
<tr>
<th>Type</th>
<th>Volt</th>
<th>Amp. H.</th>
<th>List Each Incl. Electrolyte</th>
</tr>
</thead>
<tbody>
<tr>
<td>124 RWX</td>
<td>6</td>
<td>100</td>
<td>$200.00 16.00 Less</td>
</tr>
<tr>
<td>74 PWX</td>
<td>4</td>
<td>100</td>
<td>12.50 9.90</td>
</tr>
<tr>
<td>132 RWX</td>
<td>2</td>
<td>100</td>
<td>11.50 9.90 Percent</td>
</tr>
</tbody>
</table>

MAHOGANY CASE GLASS JAR

“B” STORAGE BATTERIES

Philco “B” has individual square glass cells, contained in handsome mahoganized wood trays.

Each Dynamic

<table>
<thead>
<tr>
<th>Type</th>
<th>A. H. Cap.</th>
<th>Volts</th>
<th>List Each Incl. Electrolyte</th>
</tr>
</thead>
<tbody>
<tr>
<td>85 X</td>
<td>3000</td>
<td>90</td>
<td>$10.85 $7.95</td>
</tr>
<tr>
<td>57 H</td>
<td>600</td>
<td>25.00</td>
<td>20.00</td>
</tr>
<tr>
<td>248 DXO Super</td>
<td>3000</td>
<td>48</td>
<td>14.25</td>
</tr>
<tr>
<td>248 DX Super</td>
<td>3000</td>
<td>48</td>
<td>17.50</td>
</tr>
<tr>
<td>248 DHO Super</td>
<td>6000</td>
<td>48</td>
<td>17.50</td>
</tr>
<tr>
<td>272 DXO Super</td>
<td>3000</td>
<td>90(2 for 135)</td>
<td>17.95</td>
</tr>
</tbody>
</table>

High-Voltage

“B” ELIMINATOR

With Raytheon 128 Mil. “BH” Tube

The transformers, chokes and condensers in the BURNS “B” are manufactured by the American Electric Co., pioneers in the manufacture of telephone equipment. Handles all sets including those having 311 power tubes. One negative and 3 positive taps. Concealed terminals as provided by underwriters. OUTPUT 80 ma. at 180 volts. Licensed by RAYTHEON.

No. 96094

Complete with “BH” Raytheon Tube List $47.50 Each

$28.50

Less 2 %


No. 96419 Complete With RAYTHEON “BH” Tube. List $35.00. Each

$41.00

THE HARRY ALTER CO., CHICAGO, ILL.
Marathon Rectifier

Fitted with a standard screw base and is suitable for use in place of all 2-amp. bulb type charging devices, using a transformer with a secondary voltage of from 15-18 volts under load. Has a connection on top which is used in the same manner as external connection. Furnishes single wave rectification at 2 amp. charge.

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>97073</td>
<td>$4.50</td>
<td>$4.50</td>
</tr>
</tbody>
</table>

**BE SURE TO LOOK OVER OUR FINE DISPLAY OF Consoles**

We carry the largest stock of high-grade Consoles in various models, sizes and finishes. We specialize in the NEWCOME, HAWELEY 86 Tone Chamber Consoles. Write for particulars.

<table>
<thead>
<tr>
<th>Model</th>
<th>Rate</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94760</td>
<td>2-Amp.</td>
<td>$18.00</td>
<td>$18.00</td>
</tr>
<tr>
<td>94761</td>
<td>5-Amp.</td>
<td>$65.00</td>
<td>$65.00</td>
</tr>
</tbody>
</table>

**“Silver Beauty” Chargers**

These high-grade “Silver Beauty” Chargers in aluminum cases answer every purpose. The 5-amp. type will charge battery over night. Equipped with ammeter which registers charge. Complete with Rectagon Bulb.

<table>
<thead>
<tr>
<th>Model</th>
<th>Rate</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94762</td>
<td>2-Amp.</td>
<td>$14.00</td>
<td>$14.00</td>
</tr>
<tr>
<td>94763</td>
<td>5-Amp.</td>
<td>$9.00</td>
<td>$9.00</td>
</tr>
</tbody>
</table>

**FOR “A” BATTERIES ONLY**

No. 94762 and No. 94763 can be permanently connected to set. Beautiful, non-magnetic aluminum case. Complete with Rectagon Bulb.

<table>
<thead>
<tr>
<th>Model</th>
<th>Rate</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94764</td>
<td>2-Amp.</td>
<td>$14.00</td>
<td>$14.00</td>
</tr>
<tr>
<td>94765</td>
<td>5-Amp.</td>
<td>$26.00</td>
<td>$26.00</td>
</tr>
</tbody>
</table>

**BALKITE “B”**

**“B” W**

The popular low priced model. Recommended for sets having 5 tubes or less and requiring 67 to 90 volts. Separate tap for detecting tube. $3.47 with 5 tubes.

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96027</td>
<td>$22.50</td>
<td>$22.50</td>
</tr>
</tbody>
</table>

**“B” 135**

An improved model for practically any set, including 112 type tubes. Remarkably smooth, unfuctuating uniform output. 40 mill. at 135 volts.

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96028</td>
<td>$35.00</td>
<td>$35.00</td>
</tr>
</tbody>
</table>

**“B” 180**

For any set including 112 and 371 tubes. Low resistance circuit gives excellent regulation. Fine tone quality plus volume assured. 55 mill. at 180 volts.

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96029</td>
<td>$24.50</td>
<td>$24.50</td>
</tr>
</tbody>
</table>

**BALKITE “A” MODEL 6 (Battery-less)**

**BALKITE MODEL “N”**

Large Trickle Charger

A new trickle of increased capacity. 22 rates, 5 and 8 amp., sufficient up to 6 tubes, including power tubes. Jar capacity 10 cans. Includes Model "K", rechargeable.

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96026</td>
<td>$9.50</td>
<td>$9.50</td>
</tr>
</tbody>
</table>

**BALKITE “A B” (Batteryless)**

The “A B” models are complete in themselves and supply both plate and filament current directly from light socket. Operates only when set is in operation. Noiseless and requires little attention. 110 Volt, 50-60 cycle.

**MODEL AB 6-135**


<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96031</td>
<td>$3.70</td>
<td>$3.70</td>
</tr>
</tbody>
</table>

**MODEL AB 6-180**


<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96032</td>
<td>$44.70</td>
<td>$44.70</td>
</tr>
</tbody>
</table>

**BATTERY CHARGER**

The Balkite Model 1 can be used both as a trickle and high rate charger for 4 or 6 volt batteries. Absolutely noiseless in operation—can be used when set operates. Charging rate 2.5 amp. on high, 3 amp. on low; 7% high, 5% long, 5% wide.

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>91698</td>
<td>$17.50</td>
<td>$17.50</td>
</tr>
</tbody>
</table>

**25 CYCLE MODELS**

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96030</td>
<td>N R Trickle...</td>
<td>$11.00</td>
</tr>
<tr>
<td>96046</td>
<td>J R 2 Amp...</td>
<td>$19.50</td>
</tr>
<tr>
<td>96047</td>
<td>B W R...</td>
<td>$27.50</td>
</tr>
<tr>
<td>96048</td>
<td>B-135 R...</td>
<td>$39.50</td>
</tr>
<tr>
<td>96049</td>
<td>AB-135 R...</td>
<td>$74.50</td>
</tr>
</tbody>
</table>

**ELECTROLYTE AND FUSES**

<table>
<thead>
<tr>
<th>Model</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>91747</td>
<td>6-oz. Bottle...</td>
<td>$0.75</td>
</tr>
<tr>
<td>91748</td>
<td>1-qt. Bottle...</td>
<td>$1.00</td>
</tr>
<tr>
<td>91752</td>
<td>4-amp. Fuse...</td>
<td>$0.10</td>
</tr>
<tr>
<td>91764</td>
<td>1-amp. Fuse...</td>
<td>$0.10</td>
</tr>
</tbody>
</table>

**Dimensions Both Models, 10 1/2" x 18 1/2" x 7 3/4"**
WHITE "A" UNIT

The WHITE "A" is an absolutely independent unit and delivers 6 volt current at 2% amp drain, sufficient for any radio set up to 9 tubes. Voltage and amper output is controlled by employment of high resistant, metal core rheostat. The filter unit is absolutely fool-proof. Shipped dry and requires only distilled water. Licensed under Andrews-Hammond Patents. Uses 2 amp. Tungar bulb guaranteed for 3,000 hours in this unit.

LESS TUBE

No. 96103 Complete Unit Price! Less Tungar Tube.
List $29.90 Each $29.70 Less 2% or...

$23.23

Net

WHITE "AB" UNIT

Complete in itself and ample for any set up to 6 tubes. "A" side uses 2 amp. Tungar bulb. "B" side "BII" Raytheon Tube. Is Combination of the two units described here. Meets the demands of the thousands of radio owners who desire reliable service ever at peak of efficiency. "A" side delivers 6 volts at 2%. "B" side has output of 85 volts, at 180 volts. A compact unit that has been thoroughly approved by engineers and set owners.

Less TUBES

No. 96105 Priced Less Tubes.
List price $67.90 Each $66.90 Less 2% or .........

$39.98

Net

NECESSARY TUBES FOR WHITE UNITS

"A" Side

No. 94558 2 Amp. Tungar ............... List $4.00 Each $3.00
No. 92441 Raytheon BII ................. List $4.50 Each $2.70

STEWART "B" UNIT

The Stewart "B" comes equipped complete with Raytheon 125 Mil. B. H. Tube and will supply sufficient current for any set. A compact unit that is contained in well finished metal case. Has three amplifying tubes, 6T3, 6T4, 60 and power voltage. All binding posts and controls are enclosed. Absolutely noiseless in operation. Oversize parts insure smooth, quiet operation.

Priced Complete

WITH 125 MIL. RAYTHEON "BII" TUBE

No. 97097 List $30.00. Complete with Tube. Each $16.75 Less 2% or ...........

$16.41

Net

FREE ORDER BOOK

A business-like way of keeping track of all your orders. 24 order blanks and 24 want lists and space to keep a copy of every order you send. It gives you a complete record—saves you time and shows you all transactions at a glance.

REQUEST IT NOW!
KUPROX, the dry metallic Disc, is used in KODEL Socket Power Devices and is also furnished as replacement units for electrolytic and bulb charging devices. KUPROX uses an entirely new but tried-out principle of rectification, does not deteriorate and, therefore, lasts indefinitely.

REPLACEMENT UNIT "A"
For replacement of all electrolytic jars of trickle chargers. Charging rate, 1 amp. Requires no further attention and easily connected.
No. 96000 Type A10 List $4.50 Each $2.70

KODEL "B" Transfiers
Kodel has developed a very fine line of "B" Eliminators meeting every demand. Full specifications sent on request.

MODEL 161 "B"
This is the ideal "B" Eliminator for 6-tube set or smaller, having a guaranteed output of 35 m. at 180 volts. Absolutely no hum, perfect reception, increased power. Separate taps provide 45, 90 and 180 volts. Uses CX 380 rectifying tube.
No. 96006 Less Tube List $25.00 Each $15.99

No. 96007 Less Tube List $39.50 Each $23.70

MODEL 120 COMBINATION "B" AND AMPLIFIER
A perfect combination of "B" supply and amplifier using the CX 371 tube. B supplies 45, 90, 180 volts "B" and 45 volts "C" at output of 30 m. "C" gives greater volume, better tone quality. Uses CX 350 and CX 371 tubes.
No. 96008 Less Tubes List $45.00 Each $27.00

KUPROX TRICKLE "A" CHARGER
For charging all volt batteries at rate of .8 to 1 amp. Requires no attention. 3 1/2 x 4 1/4 x 5 1/4". Attractive pressed steel case.
No. 96002-60 cycle. List, $10.50. Each...$6.30
No. 96012-25 cycle. List, $12.00. Each...$7.20

KUPROX TRICKLE "B" RECHARGER
Makes a permanent "B" Power Unit of ordinary dry cell "B" batteries. Feeds into dry cells the current consumed in normal operation of receiver. Keeps up to 180 volts at full charge. Complete with tube.
No. 96004...List, $10.00 Each, $6.06

TELEVISION
Do you want to experiment in the coming science of television? Get the latest facts by reading the magazine TELEVISION now ready for distribution.

VISITRON 5
The Visitron 5 is a standard size photoelectric cell of very high sensitivity. Used in television systems where light at transmitting end can be focused to enter 1-inch window. Standard X type base.
No. 97116 Visitron 5. List $10.00. Each...$12.60

QUAM DRUM SPEAKER
A very popular Drum with very fine tone quality.
No. 97114...List $17.50 Each $10.50

TAPESTRY ANTENNA
Efficient Indoor Aerial. contains hundreds of feet of wire and necessary condenser. Increases selectivity, reduces static.
No. 97115 List $9.00 Each $5.70

OTHER TUBES
No. 97118 Visitron 15...$35.00 $24.50
97119 Visitron 21...$25.00 15.40
97120 Neutron 34...$50.00 $24.50

WRITE FOR MAGAZINE "TELEVISION"
A comprehensive treatise on the complete subject.
No. 97131 112-page Book. List 50c. Each...$3.30

THE HARRY ALTER CO., CHICAGO, ILL.
HARRY ALTERS

COMPLETELY AUTOMATIC WET AND DRY POWER UNITS

**SENTINEL**

**A-B-C Power Units**

---

### SENTINEL DRY (COMPLETELY AUTOMATIC)  "A" UNIT

The Sentinel "A" Unit consists of a high-grade storage battery, a Tungar type charger and the famous Sentinel completely automatic control. When set is turned on, the 2 amp charger automatically starts and as soon as the battery is fully charged the charger is automatically shut off. Requires no attention. Gives you the tried "A" current from battery and absolutely automatic control. 12" x 6" x 6".

No. 94772 6 Volt... List $37.50  
Each, $22.50 less 2% or...  
Also furnished for 4 Volts at same price.

No. 94695 List $24.00 Less 2%

---

### SENTINEL DRY "A" COMBINATION

A completely dry "A" unit which delivers constant 6 volts up to 2½ amperes.

No. 94695 List $49.00 Each $29.40 Less 2%

---

### B-C POWER UNIT

The Sentinel B-C gives ample power to any set. It employs 2 rectifier tubes, one for voltage control. Detector voltage 6 to 75, intermediate 0 to 110 and stage variable to 200 volts. A superior "B" unit built to eliminate servicing for the dealer. Has also one fixed 4½ volt C bias and one variable C tap 4½ to 45 volts. An up-to-date "B" unit for the most critical customer. Output 180 volts at 80 Mils.

No. 96490 Complete with 2 Powertron Rect. Tubes. List $44.50 Each $26.70  
Less 2% or...  
Beverly Model "BC"

Same as above, but equipped with meter which gives reading on detector, intermediate and power stage.

No. 96492 List $65.00 Each $39.00 Less 2%

---

### SENTINEL BC JUNIOR

A very compact BC Unit with output of 85 Mils. at 190 volts. 2 "C" taps. Size 6 x 6 x 6 inches. Furnished complete with CX380 rectifying tube.

No. 97129 Complete with 380 Tube... List $33.00 Each $17.00

---

### STERLING DRY "A"

The Sterling 6 volt socket powers give ample current for sets from 3 to 12 tubes. It is meter-equipped for exact current regulation. A simple, positive and dependable DRY "A" power supply for any set. It delivers 2½ amperes at 6 volts, less incidental. Size 4 in. x 10½ in. x 7½ in.

No. 94899 New Model complete with Rectifier... List $39.90  
Less 2% or...  
**$23.23** Net

---

### STERLING "B"-R-81

For sets with 3 to 8 tubes. Will supply 40 miliamps at 150 volts. Both amplifier and detector voltages are variable and an additional primary control regulates all voltages proportionately. A Raytheon approved product. Uses the Type BH Tube. A very efficient "B" supply at a good competitive price. Size 7½ in. x 4½ in. x 5½ in.

No. 94898... List $29.00 Less Tube... Each $16.40 Less 2% or  
Raytheon "BH" Tube Extra No. 92441... List $2.50 Each $1.70

---

### STERLING "B"-C'R-98

The Universal Model which will operate any radio set without hum. 180 volt maximum output. Supplies 90 volts C, independent and variable voltage regulation is provided for both Detector and R. F. A Primary voltage control on the case regulates A, F. and Power voltages. Raytheon powers made in accordance with list. 4½ in. x 11½ in. x 5½ in.

No. 94791 List $30.50 Less Tube... Each $17.10 Less 2% or...

---

### STERLING RADIOLA TEAM

These two units are sold separately and constitute a complete A and B supply for operating 3 volt tubes and at 135 volts B. The A side (R41) uses 1½ A. Amt. Tungar tubes, the B side the new CX380 Tube. Both units have been used for a long time and are giving excellent satisfaction.

No. 96492 R-94 - "A" Side... List Each... $28.00 Less 2% or...

No. 94555 Tungar Bulb, 1½ A., 135 Volt... Each... 4.00

No. 96493 R-91 - "B" Side... Each... $22.00 Less 2% or...

No. 94975 CX380-Coomerham... Each... $11.20

---

### STERLING DOUBLE AUTOMATIC "A" CHARGER A-109

Douby automatic, because it starts charging when battery is low and stops charging when battery is full. Keeps the battery continuously up to full power. Operates at lowest cost. Starting and stopping device requires no adjustment. For 6 volt batteries. No. 96894... List $15.00 Each... $9.90  
Less 2%

---

### RAYTHEON CARTRIDGE

No. 96699... List $2.70 Each... $2.70  
TYPE R-100, 2 AMP. CHARGER

An efficient, absolutely quiet compact "A" battery charger built for Raytheon 2½ amp. Cartridge. 3½ in. x 4 in. x 5 in.

No. 96895... List $7.50 Each... $4.50

---

### WRITE FOR COMPLETE CIRCULAR

**THE HARRY ALTER CO., CHICAGO, ILL.**
HANDY

TUNGAR Bulb Charger
Equipped with Automatic and Remote Control Relays. Charges at rate of approximately 2/4 amp. and relay automatically shuts off charger when battery is fully charged. Your battery always at highest efficiency. Uses "B" eliminator socket, making this complete automatic unit. Panel filament switch controls all connections. A superior product.

Fully Automatic

No. 94644 Complete with 2 amp. Tungar Bulb. List ... $20.00 Each ... $12.00 Less 2 1/2% or ... $11.76 Net

No. 94645 For 25 Cycle. List ... $22.00 Each ... $13.20

HANDY TRICKLE BOOSTER CHARGER
For 6 or 4 Volt Batteries
Converts your present battery into up-to-date "A" Power Unit. With this charger you get both trickle and booster (2 amp.) charge, assuring full strength of battery. Uses long life 2 amp. TUNGAR Bulb. A very fine unit that you can sell easily.

No. 94646 Complete with 2 amp. Tungar Bulb. List ... $14.80 Each ... $9.00 Less 2 1/2% or ... $8.82 Net

No. 94647 25 Cycle. List ... $16.00 Each ... $9.60

HANDY 2 AMP.
Automatic Switch
Has series and potential relay. If connected with 2 amp. charger and "B" eliminator, it gives perfect automatic control. When set is shut off, charging starts until battery is fully charged. A good unit. The ideal power control with any 2 amp. charger.

No. 94648 ... List ... $8.00 Each ... $4.80

HANDY BATTERY CHARGERS
For 6 and 12 Batteries
Charges all radio, automobile and lighting batteries. 6 amp. charge. Easy to operate. Economical as it charges 1 or 2 batteries at practically same cost as when operating at full capacity. Shipmed from St. Louis.

No. Type Current Shipping Wt., Each
96249 6 Batteries 21-60 Cycle 100 lbs. 3.75
96250 6 Batteries 21-60 Cycle 100 lbs. 4.25
96251 15 Batteries 21-60 Cycle 112 lbs. 5.25
96252 18 Batteries 21-60 Cycle 130 lbs. 6.00

FULL WAVE CHARGER
A new improved charger that delivers a full 8 amp. charge. Absolutely quiet in operation. When battery is fully charged, the charging rate is automatically cut down to 2 amp. rate. A very economical charger that will keep any battery up to full strength.

No ACID
This Full Wave Charger has no acid, but uses new rectification method.

No. 94121 Complete. List ... $7.50 Each ... $4.50 Less 2 1/2% or ... $4.41 Net

ABOX FILTER REPLACES 6-VOLT "A" BATTERY
The Abox Filter is designed to be used with a new or old Balkite charger to furnish a constant "A" supply for as many as 6 volt tubes. This compact unit 6x3 1/4 x9 1/2 high is shipped dry with complete instructions. For new installations use Balkite Model A-J.

No. 94649—List ... $19.50. Each ... $11.70 Less 2% or ... $11.47 Net

VALLEY AUTOMATIC BOOSTER CHARGER
The Valley charges at a rate of 15 to 215 amp. and is adjustable. No bulbs, acid or soot. More efficient and economical. Has also "B" power socket with relay control. Absolutely fool-proof and noiseless. Size 8 x7"x3". Baked enamel metal case.

No. 94682 List ... $16.50 Each ... $9.90 Less 2% or ... $9.70 Net

For 25 Cycle No. 94992 List ... $16.50 Each ... $9.90

BLITZ COMMERCIAL CHARGER
With the Blitz you can charge 6 to 15 six-volt batteries at one time. Also charges at the same time up to 12 "B" Batteries of either 24 or 48 volt strength. A very good charger for quick, dependable work. Can be used for bringing up sulphated batteries. Three types complete with rectifying tube.

No. 94630 110 Volt, 60 Cycle, A.C. ....... ... $59.50
No. 94631 110 Volt, 25 Cycle, A.C. ...... ... $59.50
No. 94632 110 Volt, D.C. $42.50 Less 2%...

BLIZZ 5 BATTERY CHARGER
Designed for small battery stations and radio dealers. For 110 Volt A.C. 60 Cycle. Very economical and a necessity for every store.

No. 92678 Each ... ... ... ... ... ... $39.50 Less 2% Complete with one bulb.

THORDARSON NATIONAL PRODUCTS

BATTERY CHARGER R-175
In this Charger, the rectifying element is contained in the Raytheon cartridge—absolutely dry. Requires no attention whatsoever and is guaranteed for 1000 hours full load operation one year's normal service. Absolutely safe and silent. Fills any cycle battery compartment. 2½ x5x3¼. 2 Amp. Charging Rate.

No. 94473. List ... $12.50 Each ... $8.13 Less 2 1/2% or ... $7.97 Net

NATIONAL Rectifying Tube
A tested tube with a full 85 mil. output. National Products are built to industry standard. Will fit any "B" eliminator using 85 mil. tube. Fully guaranteed.

No. 97099 4 List ... $4.50 Each ... $2.47

F5 Lots 2.25

PROMPT SHIPMENT ON ALL MERCHANDISE
Now that manufacturers have made substantial shipments of new goods to us, we are enabled to make prompt delivery in every case. An order to Harry Alter receives immediate attention. Lowest Prices Always.

THE HARRY ALTER CO. CHICAGO, ILL.
ACME "B" Supply

A thoroughly approved Raytheon type "B" eliminator and one of the first on the market. Proper filters and storage condensers are used in this unit, eliminating all hum. For sets up to 8 tubes and using 180 volts. 4 plus taps——detector (variable from 35 to 45 volts), 90, 135 and 180 volts. Rugged construction. 3½" x 8½" x 7¼" high. Priced with Raytheon BH tube.

No. 9680— List...$30.00 Each...$21.00 Less 2% or...

ACME CHARGERS

A properly built, noiseless, absolutely dry charger that gives you three times the efficiency of other chargers. Two models available——½ amp (half wave) and 5 amp. (full wave). Very compact, fits into 5½ cube space. Complete with lamp socket and marked battery clips.

No. Type Rate List Each
96081 A5 2½ Amp. $12.00 $7.50
96082 A7 5 Amp. 18.00 10.80

ACME AMPLIFIER

(Of Cambridge) PA-1 POWER

An efficient and easily installed Power Amplifier, which has a single stage of resistance coupled amplifier with an impedance leak, a filament lighting transformer and automatic supply. Amplifier improves quality of your set and gives greater volume. Uses 3 tube 112 or 115 tube.

No. 96861 List...$12.50 Each...

RECTOX Trickle Charger

Designed to meet the popular demand for a trickle charger. Will charge 6 volt storage batteries at two rates, namely 4 amp. and ½ amp. Adapted to use with control switches. Has standard magnesium enclosed case. Contains no bulbs, chemical or liquids or vibrating points. New copper oxide principle of rectification introduced by WESTINGHOUSE. Nothing to give trouble. Economical in operation. New style "P" TYPE DOUBLE CHARGERS.

No. 96862 List...$11.50

Each...$8.05 3 Lots...$7.65

TUNGAR CHARGER

G-E TUNGAR Chargers enjoy an enviable reputation. They are quiet in operation, absolutely safe and highly efficient. In attractive black and green case with carrying handle. Complete and ready to connect. Over 500,000 Tungars now in use.

TRICKLE CHARGER

No. List Each
94766 $10.00
94767 $14.00
94768 $16.00

2 AMP. and
TRICKLE
CHARGER

No. List Each
94769 $10.00
94770 $12.00
94771 $14.00

26 Cycle List...$22.00
Each...$15.40

25 Cycle List...$34.00
Each...$23.80

TUNGAR BULBS

We carry both the old and new type G-E Tungar Bulbs. In the new type both contacts are made in the base, distinct from the old type which has external connection.

No. List Each
94558 2 Amp. New Type...$4.00 $3.00
94559 5 Amp. New Type...$8.00 $6.00
94560 For Trickle Charger...$4.00 $3.00
94559 2 Amp. Old Type...$4.00 $3.00

Q R S RECTIFYING TUBES

This is a new, advanced full wave gas rectifier tube for use in "B" Eliminators.

No. Output Max. Volts List Each
95052 60 mls. 150 volts...$4.50 $2.70
95053 85 mls. 200 volts...$4.50 2.70

New 400 Milliamperc QRS Tube for A, B and C. In conjunction with a filter circuit, for which we will furnish diagram and instructions free, the QRS 400 ml tube will eliminate "A", "B", and "C" Batteries. Tubes must be wired in series.

No. 95054... List $7.00 Each...$4.20

No. 95088... List $30.00 Each...$21.00

No. 96862... List $11.50

Each...$8.05

3 Lots...$7.65

ACME CHARGE TUBE EXTRA

No. 92641 Type BH.... List...$4.50 Each...$2.70

$16 17

Net

An approved Raytheon type "B" eliminator, with 2 variable controls. Four taps——negative, Detector, Intermediate and Amplifier. Hi-Lo Switch for increasing or decreasing power output. Output, 60 mls. at 135 Volts. (50 at 180.) Small compact size. 9⅛ x 7”. Uses Raytheon BH Tube.

No. 92688 Loss Tube. List...$27.50
Each...$16.50 Loss 2% or...

HARRY ALTER'S RADIO BOOK DECEMBER, 1927

THE HARRY ALTER CO., CHICAGO, ILL.
Raytheon Long Life Rectifying Tube

As distributors of RAYTHEON Products we can give you first-class service and prompt delivery. Our adequate stocks permit immediate shipment. NOTICE NEW REDUCED PRICE. Highest grade quality of proven merit.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Output</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>92401</td>
<td>B</td>
<td>60 Mil.</td>
<td>$4.50</td>
<td>$2.70</td>
</tr>
<tr>
<td>92441</td>
<td>BH</td>
<td>125 Mil.</td>
<td>4.50</td>
<td>2.70</td>
</tr>
<tr>
<td>96090</td>
<td>BA</td>
<td>350 Mil.</td>
<td>4.50</td>
<td>2.70</td>
</tr>
<tr>
<td>96099</td>
<td>2½ Amp. Cartridge</td>
<td>4.50</td>
<td>2.70</td>
<td></td>
</tr>
<tr>
<td>96863</td>
<td>Type R Voltage Regulator</td>
<td>4.00</td>
<td>2.40</td>
<td></td>
</tr>
</tbody>
</table>

Mazda Panel Lamp

6 volt, 1 amp., miniature base, tubular shape, Type T 3.
No. 92097 Each, 20c 10 Lota ........................................14c

Brach Controlit

with the Controlit you can place your battery, charger and "B" Eliminator anywhere. The Controlit is absolutely automatic. Each

<table>
<thead>
<tr>
<th>No.</th>
<th>For 6 Volt...</th>
<th>List</th>
<th>$2.70</th>
</tr>
</thead>
<tbody>
<tr>
<td>4683</td>
<td>For 6 Volt...</td>
<td>$4.50</td>
<td>4.00</td>
</tr>
<tr>
<td>4684</td>
<td>For 4 Volt...</td>
<td>$4.50</td>
<td>4.00</td>
</tr>
</tbody>
</table>

For "A" Eliminator and "B" Used with Abex, Balfite or other "A" eliminator. Has Pendant Switch. Simple to install. Each, $1.80

Jewell "A" and "B" Automatic Switch

An automatic switch which places the trickle charger and "B" Eliminator in operation in proper order. Controlled by filament switch on your set. Completely enclosed in metal case. Built substantially for long, continued service.

Two types. No. 4674 for sets using 4 or more 5 volt tubes. No. 4675 for sets using 3 or more 3 volt tubes. Either Type. List $3.00. Each $1.45

Dialite Portable Radio Lamp

A portable radio lamp in hand-somely finished. Wires are connected directly to "A" battery. Adjustable to any position. Complete with 6 volt bulb and silk covered cord. No. 92880 List $2.00 Each... $1.20

Beede Testabat

An accurate battery tester that is permanently connected. Just press the button and the meter tells you distinctly whether battery is O.K. or needs charging. A clean and safe way—no spilling of acid. Priced complete with attachments.

No. 96864 List $1.75 Each $1.05

Continental Relay

The Continental Unit-Switch can be used with both "B" eliminator and Trickle Charger. Trickle Charger alone or "B" Eliminator alone. Automatic in operation. A very fine, compact relay unit, 1¼" in diameter. Each $1.80

RCA Electric Lamp and Piano Lamp—A Good Seller

Lamp is designed especially for use on radio sets or pianos. Base is heavily weighted and felted. Height 4½", extends 10½". Cylindrical shape swivels. Uses 25 watt tubular lamp. Complete with 6 ft. of silk cord, pull socket and plug. 2 finishes. Adjustable arm.
No. 93514 Brush Brass Egyptian $3.90 Each
No. 93515 Statuary Bronze $3.90 Each

RELIABLE AUTOMATIC RELAYS

The Utility Type is unsurpassed for efficiency on sets using 4-7 tubes and its neat appearance and small size has made it a favorite everywhere. Two models.

No. 96440 Model Volt List Each $1.40
96885 14 3 2.00 1.20

RELIABLE CONVENIENCE TYPE

The new 1927-28 Convenience Type Model with extra fine electrical and mechanical characteristics. Voltage drop of this relay is 1 volt per ampere used. Low resistance assures proper relay operation at all times.

No. 96990 Model Volt List Each $1.35
96992 24 8 3.50 2.10

Yaxley Approved Radio Products

Automatic Power Control
For switching "B" Eliminator and Trickle Charger and makes your receiver a power operated set. Pure silver contacts with a wiping action keeps perfect electrical connections. Thoroughly dependable.
No. 96991 Single Type No. 444. Voltage drop less than 2 volts. List $5.00 Each $3.00
No. 96993 Multiple Type No. 445. No voltage drop. Best for all sets. List $6.00 Each $3.60

Rubber Battery Tray
Made of tough, live rubber, outside dimensions 8½" wide, 12½" long. ½" deep. In ½" thick and will hold the contents of one cell of the battery.
No. 92434 Each $0.39 10 Lts. 37
REARDITE STORAGE BATTERY CHARGE TESTER

A new meter that tells instantly when your "A" Battery needs charging and when charging should be discontinued. Furnished in pocket type with flexible cord, cleanset and most convenient way of testing "A" Batteries. Nickel finish.
No. 94600...List $1.00 Each 60c

REARDITE POCKET METERS

Exceedingly efficient pocket instruments with silvered metal dials and nickel plated cases. Voltmeters are of a very high resistance and give accurate readings without draining "B" Batteries. Absolutely guaranteed.
Range List Each
94601 Voltmeter.. 0-50 $1.00 $0.55
94602 Ammeter... 0-1.00 $0.50 .50
94603 Combination Volt and Ammeter Both..... 1.50 .75

REARDITE PANEL TYPE METERS

Voltmeters have high compensated resistance from 17 to 100 ohms per volt, yet are priced low. Very accurately built and can be kept in circuit continuously. Narrow flange—Rear clamp-on style.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Range</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94240</td>
<td>Voltmeter 310</td>
<td>0-10 Volt</td>
<td>$0.35</td>
</tr>
<tr>
<td>94241</td>
<td>Voltmeter 329</td>
<td>0-100 Volt</td>
<td>$0.35</td>
</tr>
<tr>
<td>94242</td>
<td>Voltmeter 340</td>
<td>0-500 Volt</td>
<td>$0.50</td>
</tr>
<tr>
<td>94243</td>
<td>Voltmeter 342</td>
<td>0-1000 Volt</td>
<td>$0.75</td>
</tr>
<tr>
<td>94244</td>
<td>Milliammeter 311</td>
<td>0-10 M. A.</td>
<td>$1.00</td>
</tr>
<tr>
<td>94245</td>
<td>Milliammeter 315</td>
<td>0-100 M. A.</td>
<td>$1.00</td>
</tr>
<tr>
<td>94246</td>
<td>Milliammeter 390</td>
<td>0-500 M. A.</td>
<td>$1.55</td>
</tr>
<tr>
<td>94247</td>
<td>Milliammeter 395</td>
<td>0-1000 M. A.</td>
<td>$1.55</td>
</tr>
<tr>
<td>94255</td>
<td>Milliammeter 384</td>
<td>0-400 M. A.</td>
<td>$1.55</td>
</tr>
<tr>
<td>94256</td>
<td>AC Panel Voltmeter 522</td>
<td>0-10 Volts AC</td>
<td>$1.75</td>
</tr>
<tr>
<td>94257</td>
<td>AC Panel Voltmeter 526</td>
<td>0-5 Volts AC</td>
<td>$2.00</td>
</tr>
<tr>
<td>94258</td>
<td>AC Panel Voltmeter 532</td>
<td>0-10 Volts AC</td>
<td>$2.25</td>
</tr>
<tr>
<td>94259</td>
<td>AC Panel Voltmeter 538</td>
<td>0-5 Volts AC</td>
<td>$2.75</td>
</tr>
</tbody>
</table>

JEFFERSON RADIO TUBE REJUVENATOR

It is what every owner of a radio set has wanted—a radio tube rejuvenator—for home use—that will keep tubes at full efficiency at all times. For all types.
No. Types List Each
93250 All Tubes...... $4.50 $2.70

93275 Charges all types without removing from set.

JEFFERSON TUBE CHECKER

No. 93287... $4.50 $2.70

MUZZLE CAP—Stops the Howl

This all-metal cap stops all howls on detector and audio tubes. Also stops vibration of filament. Two types.

<table>
<thead>
<tr>
<th>Type Tube</th>
<th>List</th>
<th>Each 5 Lots</th>
</tr>
</thead>
<tbody>
<tr>
<td>94680</td>
<td>300A, 301A, 112, 371...</td>
<td>$0.25 $0.16 $0.15</td>
</tr>
<tr>
<td>94681</td>
<td>299, 220...</td>
<td>$.25 $.16 $.15</td>
</tr>
</tbody>
</table>

READRITE PORTABLE VOLTMETER, FOR "B" Eliminator Testing

This high resistance voltmeter is used to check voltage of "B" Eliminator and "D" battery circuits. Specially built for this work. Accurately shows voltages for detector, ampl. and power tubes. Supplied with 2 cords 30' long, one black and one red to show polarity. Tips are heavily insulated.

<table>
<thead>
<tr>
<th>No.</th>
<th>Volts</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94696</td>
<td>0-300...</td>
<td>$5.00</td>
<td>$3.00</td>
</tr>
<tr>
<td>96870</td>
<td>0-500...</td>
<td>6.00</td>
<td>3.60</td>
</tr>
<tr>
<td>96871</td>
<td>0-150 AC...</td>
<td>5.00</td>
<td>3.00</td>
</tr>
</tbody>
</table>

READRITE No. 210 WEB'S TUBE CHECKER

Low cost of this efficient tube checker enables every dealer and set owner to make tests rapidly, match tubes and weed out weak tubes. Voltmeter and 10 milliamp. scale. Switch for neg. or pos. filament.

<table>
<thead>
<tr>
<th>No.</th>
<th>Set</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94697</td>
<td>100...</td>
<td>$7.50</td>
<td>$4.50</td>
</tr>
<tr>
<td>94698</td>
<td>36&quot; Cord and Plug...</td>
<td>1.00</td>
<td>60c</td>
</tr>
<tr>
<td>94699</td>
<td>Adapter for 299...</td>
<td>50c</td>
<td>30c</td>
</tr>
</tbody>
</table>

BATTERY CABLE

5 and 7 Wire—Rubber Banded
Stranded cotton covered separately color-coded cable with a protecting rubber banded cover eliminating frayed and frayed edges, fine appearance. Without terminals.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>93644</td>
<td>Five Conductor...</td>
<td>$0.45c</td>
<td>$0.47c</td>
</tr>
<tr>
<td>93655</td>
<td>Seven Conductor...</td>
<td>$0.55c</td>
<td>$0.58c</td>
</tr>
<tr>
<td>93410</td>
<td>Five Conductor...</td>
<td>$0.25c</td>
<td>$0.27c</td>
</tr>
<tr>
<td>91633</td>
<td>Seven Conductor...</td>
<td>$0.35c</td>
<td>$0.32c</td>
</tr>
</tbody>
</table>

5 and 7 WIRE—Cotton Covered
Stranded colored conductor 5 foot lengths. Complete with lug ready to use.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Each 10 Lots</th>
</tr>
</thead>
<tbody>
<tr>
<td>91642</td>
<td>Five Conductor...</td>
<td>20c</td>
</tr>
<tr>
<td>91653</td>
<td>Seven Conductor...</td>
<td>35c</td>
</tr>
</tbody>
</table>

On Spools

Battery Cable, the same as above, except without lug. Can be cut in any length desired. Each 100', 100's come in handy for installations.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Per Foot 100 Ft. Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1661</td>
<td>Five Conductor...</td>
<td>$3.15</td>
</tr>
<tr>
<td>1664</td>
<td>Seven Conductor...</td>
<td>$5c</td>
</tr>
</tbody>
</table>

McDONALD HOWL ARRESTER

A simple means of stopping microphon e noise. Made of rubber which covers the glass of tube. 10 packed in display cartons.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96128</td>
<td>301 A Tube...</td>
<td>75c</td>
<td>45c</td>
</tr>
<tr>
<td>96129</td>
<td>209 Tube...</td>
<td>75c</td>
<td>45c</td>
</tr>
</tbody>
</table>

UNIVERSAL Battery and RADIO CLIPS

Pee Wee Nickel Plated

Jaw Spread 1/2" Length 1 1/2"
Each 19c 10 Lots 194c 100 Lots 19c
Nickel Plated—Large Size

Jaw Spread 2 3/4" Length 2 1/4"
No. 91612
Each 39c 10 Lots 394c 100 Lots 39c

Lead Plated—Small Size

Jaw Spread 1 1/2" Length 1 1/2"
No. 91860
Each 64c 10 Lots 644c 100 Lots 64c

Lead Plated—Large Size

Jaw Spread 2 3/4" Length 2 1/2"
No. 91862
Each 7c 10 Lots 7c 100 Lots 7c

Lead Coated

Jaw Spread 1 1/2" Length 1 1/2"
No. 91960
Each 14c 10 Lots 14c 100 Lots 14c

Walton Clips

Heavily lead-coated. Furnished with minas or plus signs.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>91897</td>
<td>Jaw Spread 1/4&quot; Length 1 1/2&quot;</td>
<td>35c</td>
<td>25c</td>
</tr>
<tr>
<td>91894</td>
<td>Jaw Spread 1/4&quot; Length 2 1/2&quot;</td>
<td>75c</td>
<td>50c</td>
</tr>
</tbody>
</table>
JEWELL METERS

Home Meters
A beautiful portable resembling a wall clock with two leads for plugging in for Radiola, Victor and Bruns- wortlock. Used also for checking batteries.

No. 94664 0-7.5 and 150 Volts...... List $10.00 Each $6.50
PIN-JACK VOLTMETER with adjustable pins. No. 9354...
No. 94665 0-5 Volts...... List $7.50 Each $4.87

Jewell Pocket Meters
A moderate priced meter, that is of invaluable aid to any radio owner. Built to give lasting service.

No. Type List Each
94666 0-50 Volts...... $2.75 $1.68
94667 0-40 Amp...... 2.00 1.30

Jewell Tube Testers
Jewell Tube Testers are the accepted standard and are indispensable in radio work. A type for every need.

JUNIOR TUBE CHECKER for 3 and 5 volt tubes. Ideal for the home and shop. With cord, plug and adapter. Pattern No. 107. No. 94668...... List $12.50 Each $8.12
JEWELL NO. 110 for rapid checking and weeding out tubes. No. 94669 List $35.00 Each $26.25
JEWELL SERVICE TEST SET. Tests tubes, batteries, "B" Eliminators, circuits, etc. Complete. Pattern No. 117. No. 94670...... List $75.00 Each $58.50

Jewell Set Analyzer
Provides rapid means of shooting trouble in a radio set. Grid, plate and filament conditions of all tubes are rapidly analyzed. Combination scale readings are 0-80-200 Volts and 0-20 Milliamp. Morocco leather covered case with handle. Pattern No. 133. No. 96414 ...... List $65.00 Each $45.75

Portable Tube Checker
Extremely compact assembly. Filament volt meter reads 8 volts, allowing even testing of 210 tubes. 8 and 40 Milliamp. With complete charts. Pattern No. 115. No. 96415 ...... List $27.50 Each $20.62

WESTON METERS

Weston Panel Voltmeter
Model 506
2 Inch
The Weston has extraordinary high internal resistance reducing drain to a minimum. Permanent accuracy assures economical operation of tubes. Standard case is finished in dull black Japan. Fastens flush to panel by means of narrow flange and clamp. Binding Posts Volts List Each
No. Type
92700 Single Range .......... 2 $7.00 $4.55
92701 Single Range .......... 2 $7.00 $4.55
92702 Single Range .......... 2 $7.00 $4.55
With Push Button
92703 Double Range .......... 2 50 50
Without Push Button
92709 Double Range .......... 3 750-150 9.00 5.85
92721 Double Range .......... 4 750-150 9.00 5.36
96873 Milliampeter .......... 10 M. A. 7.00 4.55
96874 Milliampeter .......... 25 M. A. 7.00 4.55
96875 Milliampeter .......... 50 M. A. 7.00 4.55

Weston Pin Jack Voltmeter
Two instruments in one. The Pin Jack Voltmeter can be inserted into the set for filament voltage, and used with high resistance stand to measure battery voltage up to 160 volts.

No. Type
92755 Without Stand ...... $7.50 $4.87
92756 With High-Resistance Stand ...... 10.00 6.50

Weston A. C. Voltmeters
Matched in size Model 506 (2-inch).
No. Type
96317 114 Volts ...... 517 $8.00 $6.93
97961 10 Volts ...... 517 $8.00 $6.93
97962 15 Volts ...... 517 $8.00 $6.93
96318 150 Volts ...... 517 10.00 7.50

The Harry Alter Co., Chicago, Ill.
BELDEN AERIAL WIRE

Belden Aerial Wire is the accepted standard. Each individual strand is separated and is impervious to weather, fumes, smoke. The enamel forms a permanent coating which prevents corroding. Packed in individual cartons.

100 ft. coils.
No. 94500—Stranded 7 No. 22—List, $1.00 Each, 500, $0.90
1,000 Foot Spools of 7-22 Stranded No. 94501...List $10.00 Per Spool $6.00
No. 94502—Stranded 10 No. 28—List, $0.90 Each, 500, $0.80
No. 94503 Solid No. 12 Individual Cartons. List $1.15 Each 69c
No. 94504—Solid No. 14—List, $0.80 Each, 45c

BELDEN BARE COPPER WIRE
No. 94505—7-22 Bare, Hard Copper. 100 Ft. Coil. List 65c Each 39c
IN 1,000 FT. SPOOLS 7-22 Bare, Hard Copper No. 97104 1,000 Ft. Coil—List $7.00 Each $4.20

INDOOR AERIAL AND LOOP WIRE
A flexible covered wire designed for indoor aerials and winding radio loops. Does not stretch or sag. Overall covering is cotton or rayon. Metal spools in individual cartons. 125 ft.
No. 94512—Maroon Cotton. 125 ft. —List, $1.00 Each, 250, $0.60
No. 94513—Brown Rayon. 125 ft. —List, $1.75 Each, 250, $1.05

BELDEN LEAD-IN AND GROUND WIRE
In individual cartons of 50-ft. lengths. Tinned copper makes soldering easy. Good rubber insulation, 1/4 in. thick. 50-ft. coil.
No. 94514—No. 16 Solid. 50 ft. —List, $0.60 Each, 500, $0.36
No. 94516—No. 14 Stranded. 50 ft. —List, $1.00 Each, 500, $0.60

BELDEN FLAT FLOOR CORD
In rubber insulated extension cord which lies flat under the rug. Makes ideal connection for floor lamps or radio power units, electric phonographs, heaters, etc. 4 Ft. cord to outlet.

MASTER-CRAFT Tube Rejuvenator
Not an experiment, but a proven tube rejuvenator that operates directly from AC battery. Accommodates any type of tube base without attachments or adapters. It’s new, novel and necessary.

No. 96405 List $1.00 Each 65c 6 Lots 60c

BELDEN LOUDSPEAKER EXTENSION CORD

Belden Fused Battery Cord Eliminates danger of blowing out tubes and fuse by fire hazard in addition to the usual unsightly condition of tangled wires. Five or seven conductors, color-coded, braided together and fuse for both grounded and ungrounded circuits in bakelite shield, which opens in center for inspection. It is dipped in solder convenient for any type of binding post. Complete with fuses. Length 8 ft.
No. 94520—5 Conductor. 6 ft.—List, $1.50 Each, 50, $0.90
No. 94521—7 Conductor. 6 ft. —List, $1.65 Each, 50, $0.99

Belden Replacement Fuses
Carton contains 3 fuses.
No. 94522—For "B" Battery—List, $0.80 Each, 100, $0.48
No. 94523—For "A" Battery—List, $0.40 Each, 100, $0.24

BELDEN BATTERY CORD
Flexible, stranded, 5-conductor battery cord, individually insulated with color and rubber and color coded. A tremendously popular item and extensively advertised.

No. 94524—Length 6 feet—List, $0.60 Each, 50, $0.36
No. 94525—Length 75 feet—List, $0.40 Each, 50, $0.24

7-CONDUCTOR CABLE
No. 96106 Length 6 Ft. List 75c Each 45c
No. 96107 Length 41/4 Ft. List 55c Each 33c

BELDEN BATTERY CABLE
A 5 or 7-conductor cable same as above, insulated with color-rubber and glazed cotton braid. Excellent for your installations. Spools of 100 ft.
No. 94526—5 Conductor. 100 ft.—List, $7.75 Each, 36c, $4.65
No. 94527—7 Conductor. 100 ft. —List, $10.00 Each, 60c

NEW CODE GROUND CLAMP
Made of heavy copper, fully approved. Two sizes.
No. 90246 3/4 in. to 1 in. Each, 4c Per 100, $3.20
No. 90247 5/8 in. to 2 in. Each, 6c Per 100, $4.95

EKKO GROUND CLAMP
Makes perfect ground connection on any pipe up to 13/4".
No. 92599 List, $0.25 Each

SPRING AERIAL
Spring aerials are in big demand. This one is made of a fine quality of brass and stretches to nearly 100 feet in length.
No. 91599 10 Each, Lots 36c
**WIRT LIGHTNING ARRESTER**
Made of brown bakelite and brass parts. Provided with peghead to insure ample insulation. Heavy brass screws furnished for mounting. An exceptionally good instrument.

No. 91785  List $1.00 Each $0.60 5 Lots $9.55

**APPROVED LIGHTNING ARRESTER**
For Outdoor and Indoor use. 3 1/2" long. Air-gap type is positive in action. Brown porcelain.

No. 91783  List $0.65 Each $0.21

**GUARDIAN APPROVED LIGHTNING ARRESTER**
Waterproof barrel construction with cleanable carbon brushes. Brown porcelain shell 4 1/2" long. The ultimate in quality.

No. 91794  List $0.75 Each $0.45

**Belden LIGHTNING ARRESTER**
Air gap type. Thoroughly sturdy and reliable for installation either inside or out-of-doors. Approved by Underwriters.

No. 96124  List 85c Each 5c

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**KEYSTONE LIGHTNING ARRESTERS**
Fully approved arrester of the air-gap type. Binding posts are molded in a genuine bakelite housing, the two halves of which are sealed, making the arrester weather proof, dust proof and damp proof. Small in size, attractive in appearance and absolutely effective.

No. 91673  List $1.50 Each $0.89

**"LITTLE JOE" LIGHTNING ARRESTER**
Expressly designed for outdoor use, but can be used inside as well. Has porcelain case with brass binding posts. An efficient and durable instrument guaranteed to be as good as any protector made.

No. 91656  Each $0.80 10 Lots $7.50

Approved by Underwriters.

**JEWELL LIGHTNING ARRESTER**
Glazed porcelain case for indoor or outdoor use. Easily mounted. Approved by Underwriters.

No. 94673  List $0.75 Each $0.48

**IMPROVED LIGHTNING ARRESTER**
An indoor or outdoor arrester of the air-gap type. Sealed up in porcelain case. Easily installed and affords complete protection. Approved by Underwriters. List price 50c.

No. 91672  Each $0.11 10 Lots $1.00

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**PORCELAIN RADIO KNOBS**
Sturdy, well-built Porcelain Knobs, which are mounted on heavy galvanized screws. Strong and of lasting quality. Ideal for aerials and lead-in.

No. 90171  Screw Each
90172  Small 1 1/2 in. .04 Each $0.04
90174  Small 6 in. .09 1/2 Each $0.09
91119  Large 2 1/2 in. .10 1/2 Each $0.10

**FEDERAL PORCELAIN NAIL KNOBS**
These knobs are exceptionally sturdy and tough; made of high grade glazed porcelain. Can be used to run the lead in from the aerial.

No. 90101  Nail Knob
90105  Solid .01 1/2 $0.10
We can supply porcelain tubes and cleats at low prices. Write us for prices.

**RAYMOND AERIAL SHOCK ABSORBER**
Spring to attach to outside aerial. Very strong. Take up extra load or where aerial is attached to tree.

No. 96943  Each 50c

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**TALKING TAPE**
An inconspicuous indoor aerial; fits anywhere and easy to put on. Woven in cotton webbing, golden color. Equipped with clip.

No. 91597  List 100 ft. $1.00 60c
91598  50 ft. .60 3c

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**MARCO ANTENNA TAPE**
Stranded and insulated tape aerial for indoor use. Very efficient.

No. 93487  List Each 30c

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**MUTER ANTENNA PLUG**
Muter plug gives you noiseless reception from your light socket. Simply screw in light socket.

No. 93424  List Each 36c

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**"DUCON" AERIAL PLUG**

No. 91640  List $1.50 Each 90c
AERIAL KITS

REGULATION KIT
Contains 1—
100 Ft. Bare
Wire 7/24, 1
—50 Ft. Plain
R. C. Wire 14
1—Special
Lead-in. —
Improved
Lightening Arm-e-
ister. —N. C. 2" Ground Clamp. 2
2 1/2" Porcelain Insulators. 2—Nail Knobs.
No. 91795 Complete Kit List... $1.50
Each $0.87 10 Lots $0.85

STANDARD KIT
Contains 1—
100 Ft. Bare
Wire 7/22. 1
—50 Ft. Plain R
C. Wire 14
1—Muter Lead-in
15'. 1—Muter
Guardian
Lightening Ar-
restor. 1—N.C. 2" Ground Clamp. 2—3
Porcelain Insulators. 3-Porcelain Nail
Knobs. 2—Screw Eyes. 20—Insulated
Staples.
No. 91796 Complete Kit List... $2.45
Each $1.39 10 Lots $1.35

DE LUXE KIT
Contains 1—
100 Ft. Coil
Encased Wire
7/22. 1—50
Ft. Plain R C. Wire
No. 14. With
Pail. 1—25
Ft. 80 Cotton
Wire. 1—Elec-
tral Lead-in
18" x 1-
Wirt Arrester.
1—Ekkio Ground Clamp. 2—5 Class
Insulators. 2—6" Screw Stand-Off Por-
celain Insulators. 3—Porcelain Nail
Knobs. 4—Screw Eyes. 20—Insulated
Staples.
No. 91797 Complete Kit List... $3.90
Each $2.39 10 Lots $2.29

YOU SAVE MONEY BY USING OUR COMPLETE KITS—YOU'LL SELL THEM FAST

AERIAL WIRE

At Amazingly
Low Prices

Full Length
Guarantee

Quantity buying of wire enables us to quote lowest prices to
radio dealers on high class Aerial wire. Full 100 Ft. coils
Immediate shipment.

BARE COPPER AERIAL WIRE
100 Ft. Coils
No. Per Coll 10 Coll Lots
91582 7-24 Stranded.................. 26c 24c
91581 7-22 Stranded.................. 37c 35c
91580 Solid No. 14................... 27c 26c

STRAINED ENAMEL AERIAL WIRE
No. Per Coll 10 Coll Lots
91575 7-24 Stranded................. 35c 33c
91577 7-22 Stranded................. 50c 48c

50 LB. REELS ENAMELED
91583 7-24 Stranded, per Reel (50 LBS.) $17.95
91592 7-22 Stranded, per Reel (50 LBS.) 16.00
Reels Returnable Prepaid for Credit. Each 2.50

INSULATED LEAD-IN WIRE
Rubber Covered Without Braid
50 FT. COILS 1,000 FT.
No. Size Type Each 10 Lots Spools
91566 18 1-64 Stranded 23c 21c $3.50
91567 16 1-32 Stranded 31c 29c 4.70
91874 14 1-32 Solid 29c 27c 5.95
Genuine New Code No. 14 R. C. With Braid
91873 14 1-32 Solid 36c 34c

HIGH GRADE

BELL WIRE

With double wrapping of cotton
wound in opposite direction on solid
No. 18 wire. Colors do not fade. A
handy article for all-purpose wiring.

No. Per 100 Pkg.
90947 3/4 lb. single... 19c 18c
90948 1 lb. single... 37c 35c

GENUINE BLAKE INSULATING
STAPLES
Recognized as the finest staples on the market.
No. Blake No. Size Per 100 Per 1000
98330 1 1/2 in. 18c $1.70
98321 1 3/4 in. 18c $2.50

RADIO MAST FIXTURES

Sold complete or in four separate parts, viz.: The pipe which is a 10-foot length of 4-inch
standard size. The Mast Pipe Pulley Cap, which fits top of pipe and has four holes for guy
wires. The Guy Wire Collar used in middle of pipe for fastening guy wires. The Universal
Mast Head which is adaptable and fits either a gable or flat type roof. Makes a permanent
and substantial aerial support. Heavy ma-
leable iron.

1/4 INCH MAST
Each
92579 Complete Outfit 1/4".......................... $1.08
92570 Pulley Cap, Collar and Base.................. 58
92558 1/4" Pipe 10 Ft................................. 31
92569 1/4" Pulley Cap only.......................... 21
92567 Universal Mast Head only...................... 89
92567 1/4" Base only.................................. 30

LEAD-IN LIGHTNING ARRESTER
The Swan-haeverick combination lead-in
and arrester does away with more trouble con-
nexions. Knife-type terminal clips which grip tight and rub
clean at same time. No. 96876
List 50c Each 36c

WINDOW LEAD-INS

SPECIAL WINDOW LEAD-IN
Insulated lead-in with Fahnestock type clips;
14" long and 1 1/2" wide.
No. Each 10 Lots Per 100
91870 $0.05 $0.0434 $0.25

METER WINDOW LEAD-IN
R. M. A. Standards. Impregnated tape,
Fahnestock clips, 15" long.
Each No. 93435 Each 10 Lots $0.11 1/2 Per 100 $10.95
ELECTRAD WINDOW LEAD-IN
Highly impregnated tape with wide tinned copper strip
soldered Fahnestock clips, 18" long, 3/4" wide.
No. 91872 List... $0.40 Each...

CAGE ANTENNA

An improved aerial that adapts itself to a variety
of locations—Roof-top, Window ledge, against the
wall, anywhere on the outside. The universal
bracket is adaptable to any position. Made of finest
material with genuine bakelite parts. 100% insulated
and absolutely weathertight. You can sell this fine
aerial with the positive assurance that it will greatly
improve ordinary reception. Much handier than wire. 100 ft.
aerial wire. Complete 6 ft. high.

No. 96120 List... $10.00
Each... $6.00
Less 2% or...

THE HARRY ALTER CO., CHICAGO, ILL.
The latest type of aerial, built according to most advanced principles for receiving all wave lengths. The spherical aerial is admitted to be the best form for radio reception. It will greatly improve selectivity of your set. Will help you get stations you never had before. Made of aluminum alloy. Ideal for all purposes and prevents tangled up wires on top of apartment buildings. A scientifically designed product, carefully engineered in every detail. "Skin Surface" is equal to 85 ft. of ordinary aerial wire and two plate condensers. Each $2.70.

SUPER BALL ANTENNA

No. 92564 SUPER BALL alone $10.00
92565 SUPER BALL with 10 ft. ½ in. Pipe, 1 in. base, ½ in. guy wire collar... Each $6.81

SUPER BALL ACCESSORY KIT
Consists of 50 ft. lead-in R. C. Wire No. 14, 50 ft. Copper Guide Wire, Ground Clamp, Brass lead-in, nail knobs, screw eyes and 10 ft. of pipe. No. 92588 Each $2.92

PARAGON Radio Ground Master

The Paragon Radio Ground Master is the perfect radio ground. The walls are made of heavy solid sheet copper rolled into shape of a truncated cone. Twenty feet of heavily enamelled "lead-in" wire is provided and it is well grounded to the ground so made by two heavy spot welds. The interior is filled with pure gray charcoal, which absorbs and holds moisture. Grounds made to radiators or water pipes are practically nothing but "counter-poles" utilizing the pinning of the entire building and resulting in a noiseless, effective and interference-paradox. Paragon ground bears the unqualified endorsement of the foremost engineers of the country. Approved by Underwriters. Easy to install, 12 inches high, 4 inches diameter at base.

No. 95087 Full Extend d. List $15.00 $5.50

BIRNBACH CORDS AND CABLES

A complete line of high-grade cords and cables which answer every purpose. Packed in individual cartons.

LOUD SPEAKER EXTENSION CORD

No. 96151 With Connector .......... 10 Ft. $0.75 $0.45
96152 With Connector .......... 20 Ft. 1.00 0.90
96153 With Connector .......... 30 Ft. 1.40 0.84
96154 With Connector .......... 50 Ft. 2.20 1.32
96155 With Connector .......... 100 Ft. 4.20 2.00
96156 Connector only ........... 50 ft. 0.30 0.18

REPLACEMENT CORD Super Loud Speaker Cord, 5 ft. Long

No. 96157 Pin Tips, both ends .......... 30c 21c
96158 Spade and Pin Tips .......... 30c 21c
Headset Cords, 5 ft. Long
96159 Pin Tips, both ends .......... 30c 20c
96160 Spade and Pin Tips .......... 30c 20c

BIRNBACH BATTERY CABLE COLORED RUBBER
Made of flexible stranded conductors. Soldered lug terminals. Each conductor separate solid color. Packed in individual cartons. 54 inches and 10 feet long. For use in connecting A, B and C batteries or eliminator to set.

No. Length Each No. Length Each
5 Conductor 96161 54 In. 30c 96167 10 Ft. $0.65
5 Conductor 96162 54 In. 30c 96168 10 Ft. 0.93
7 Conductor 96163 54 In. 42c 96169 10 Ft. 1.11
8 Conductor 96164 54 In. 51c 96170 10 Ft. 1.29
9 Conductor 96165 54 In. 60c 96171 10 Ft. 1.47
10 Conductor 96166 54 In. 69c 96172 10 Ft. 1.65

RADIO BATTERY CONNECTOR
Made of flexible stranded wire with soldered lug terminals for connecting Dry Cell Batteries. Carton of 25.

No. Length Each Per 25
96173 3 In. 3c 96040 10 In. $1.20
96174 6 In. 4c 96041 15 In. 1.00
96175 12 In. 5c 96042 20 In. 1.50

BAKELITE POST STRIP
A new convenient strip for sub-panel mounting with 9 characters engraved.

No. 96176 Complete Each 39c

SUB-ANTENNA

Every Night a Good Radio Night
Now an Actuality

Subantenna, simple though it is to install and to use, is a more complicated device than a glimpse of it suggests. Subantenna is not just a wire that you bury in the ground. Rather, it is a special kind of insulated copper wire hermetically sealed in a lead sheath, and having, in two electrically calculated places, scientifically designed "building-up" coils. The design of Subantenna which makes for its remarkable performance, is the subject of a patent now pending. Increases the Distance-Getting Capabilities of any Set.

No. 97084 List, $12.50
Each $7.50 Less 2% or... $7 35 NET

PARAGON Radio Ground Master

The Paragon Radio Ground Master is the perfect radio ground. The walls are made of heavy solid sheet copper rolled into shape of a truncated cone. Twenty feet of heavily enamelled "lead-in" wire is provided and its connection to the ground is made by two heavy spot welds. The interior is filled with pure gray charcoal, which absorbs and holds moisture. Grounds made to radiators or water pipes are practically nothing but "counter-poles" utilizing the pinning of the entire building and resulting in a noiseless, effective and interference-paradox. Paragon ground bears the unqualified endorsement of the foremost engineers of the country. Approved by Underwriters. Easy to install, 12 inches high, 4 inches diameter at base.

No. 95087 List $5.50 Less 40% or...

BIRNBACH BATTERY CABLE COLORED RUBBER
Made of flexible stranded conductors. Soldered lug terminals. Each conductor separate solid color. Packed in individual cartons. 54 inches and 10 feet long. For use in connecting A, B and C batteries or eliminator to set.

No. Length Each No. Length Each
5 Conductor 96161 54 In. 30c 96167 10 Ft. $0.65
5 Conductor 96162 54 In. 30c 96168 10 Ft. 0.93
7 Conductor 96163 54 In. 42c 96169 10 Ft. 1.11
8 Conductor 96164 54 In. 51c 96170 10 Ft. 1.29
9 Conductor 96165 54 In. 60c 96171 10 Ft. 1.47
10 Conductor 96166 54 In. 69c 96172 10 Ft. 1.65

RADIO BATTERY CONNECTOR
Made of flexible stranded wire with soldered lug terminals for connecting Dry Cell Batteries. Carton of 25.

No. Length Each Per 25
96173 3 In. 3c 96040 10 In. $1.20
96174 6 In. 4c 96041 15 In. 1.00
96175 12 In. 5c 96042 20 In. 1.50

BAKELITE POST STRIP
A new convenient strip for sub-panel mounting with 9 characters engraved.

No. 96176 Complete Each 39c

PARAGON Radio Ground Master

The Paragon Radio Ground Master is the perfect radio ground. The walls are made of heavy solid sheet copper rolled into shape of a truncated cone. Twenty feet of heavily enamelled "lead-in" wire is provided and its connection to the ground is made by two heavy spot welds. The interior is filled with pure gray charcoal, which absorbs and holds moisture. Grounds made to radiators or water pipes are practically nothing but "counter-poles" utilizing the pinning of the entire building and resulting in a noiseless, effective and interference-paradox. Paragon ground bears the unqualified endorsement of the foremost engineers of the country. Approved by Underwriters. Easy to install, 12 inches high, 4 inches diameter at base.

No. 95087 List $5.50 Less 40% or...

PREAMAX RADIO MASTS

This Radio Mast is complete to the last detail and fits any roof. Made of tubular, telescoping steel sections provided with a simple, secure clamping device. All steel parts are PARKERIZED and finished with attractive durable lacquer. Packed singly with 50 ft. of galvanized guy wire and 3 special anchors.

No. 96040 7 Feet $2.00 $1.20
96041 10 Feet 3.00 1.80
### CAMERON Sextette

**SOLID WALNUT CABINET**
The CAMERON, with a circuit employing 6 tubes, comes in a compact solid mahogany cabinet, that is beautifully finished and of dignified and simple appearance. The bronze control plate has a dark statuary bronze finish and all controls are mounted directly on it. You never had a set that is as easy to tune and operate.

**MARVELOUS PERFORMANCE**
The three stages of radio-frequency amplification enable the user to reach out all over the country and pick up all broadcasting stations. Two stages of audio amplification not only give great volume but also remarkable tone quality. The Cameron combines very remarkable features and is an outstanding value. Cabinet 13½ in. wide, 9 in. high and 10 in. deep.

**CAMERON SEXTETTE 6-TUBE STOCK NO. 90561**
- Each $15.30 Less 2½% or
- **$1 7 94** Net

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### Sterling Meters

**A RICHLY FINISHED CONSOLE**
This fine Highboy has a genuine birchseye maple overlay on grille, genuine inlay on deep door and special treatment finish of high-light walnut. The built-in Wood Speaker is supplied with the famous Utah Unit. Ample space for all batteries and chargers. Accommodates Radio Set 21 in. long, 9 in. high, 10¾ in. deep or any set of smaller dimensions. A striking value at the special price we are quoting. Outside measurements of console: Length 35 in., Height 48 in., Depth 14¼ in.

- No. 92580 Complete with Unit $29 84 Net Each $30.45 Less 2½% or

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### Howe Crystal Set

**HOWE CRYSTAL SET**
A very fine instrument that requires only a pair of head phones and serial to give you good reception. Radius about 25 miles. This crystal set is very well designed and assures splendid reception at a minimum expense. There is always a popular demand for an instrument of this kind.

- No. 97039 List $1.75 Each $1.13 Less 2½% or
- **$1 11 NET**

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### CAMERON SEXTETTE CONSOLE MODEL

The CAMERON SEXTETTE HIGHBOY is a combination of outstanding beauty, amazing value and superb performance. The console is made of genuine 5-ply walnut veneer in a beautiful two-tone walnut finish. It has a fine built-in speaker with genuine Utah unit. The battery compartment provides ample room for all batteries, etc. Height 45 in., width, 25 in., and depth 14 in. The well proportioned carved legs, the substantial drop door and the attractive grill give this Highboy substantial and attractive appearance.

- No. 90562 Complete With Unit Each $40.75 Less 2½% or
- **$39 94** Net

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### STERLING "HOME" TUBE TESTER R-431

Tests all large tubes including 300A, 112 and 371. Shows amplifying value of tube, whether "good", "fair" or "poor". No computations. Excellent for dealer's counter.

- No. 97030 List $7.50 Each $4.50

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### COMBINATION TUBE TESTER AND REACTIVATOR R-409 A.C.

Operates from 110 volt 60 cycle line. Tests all tubes and rectifiers, those that are thoriated. Rheostat sets voltage at 3 and 6 volts. Filament ammeter meter 0-100 scale.

- No. 97831 List $30.00 Each $18.00

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### STERLING D. C. VOLTMETER

Model R-415 is especially designed for the dealer. Has high resistance and is accurate. Scale 0-360 volts. "B" Eliminator output.

- No. 97033 List $5.50 Each $5.10

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### A. C. VOLTMETER R-417

Tests any A. C. circuit up to 100 volts. Indispensable for A. C. set testing.

- No. 97034 List $7.50 Each $4.50

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**THE HARRY ALTER CO., CHICAGO, ILL.**
The 5-tube Brunelli-Jones receiver is now in its second year of success. A good substantial, fine performing, satisfactory, all-around radio set. The parts used in the Brunelli-Jones receiver are the finest obtainable. The circuit used is tuned radio frequency. The two stages of radio frequency, one detector and two stages of audio frequency amplification. The audio transformers are genuine Erla which accounts for the fine tone quality of the Brunelli-Jones. For a 5-tube set the Brunelli-Jones has wonderful distance range. Of the thousands of owners of this radio many report getting stations from coast to coast. The tone is amazing in its life-like fidelity of reproduction due to the Erla transformers used. Because of the three dial control the selectivity is such that any stations can be tuned out if interfering. So many dealers found the Brunelli-Jones such a satisfactory performer that we are continuing with them this year. The new low price quoted on this page makes the Brunelli-Jones one of the greatest bargains ever offered to the radio trade.

Brunelli-Jones

Table Model at a New Low Price

Here you have the Brunelli-Jones 5-tube chassis mounted in the attractive two tone mahogany table cabinet pictured at the right. This cabinet is of genuine mahogany finish in brown due tone. It has attractive scoring on the top and sides with hand carved pillars, a full piano hinge, rubber tips under-neath to prevent scratching and all the features found in the cabinets costing a good deal more. Now a better job than ever before selling at a lower price. No matter what you are handling now the Brunelli-Jones will give your sales a big boost and open a new market for you.

Completely Equipped Table Model

Get a complete Brunelli-Jones Table Model with all accessories. Ready to operate, including 1. Tower Pirate Ship Speaker, 8 CX-30A Cunningham Tubes, 2 Brunelli-Jones "B" Batteries, 1 "C" Battery, 1 100-Amp. Storage Battery, 1 Aerial Kit

---at a special attractive price.

No. 96560 - LIST $38.00 - LESS 40% Each, $44.10 - Less 2% or

$ 40.37

NET

Brunelli-Jones

ACCESSORIES RECOMMENDED

For 5-Tube Brunelli-Jones Radio

3 Cunningham CX101A Tubes
1 Cunningham CX100A Detector Tube
1 Cunningham CX12 Power Tube
2 Brunelli-Jones 4½ Volt "C" Batteries
2 Brunelli-Jones 45 Volt "B" Batteries
1 Betterbilt 100 Amp. "A" Battery
1 Bakelite Trigger Changer
1 Regulation Aerial Kit

For Electric Socket Operation instead of batteries substitute a White, Bakelite or Fibre "A" unit or a separate "B" unit as shown on pages 12 to 16. Add any good loud speaker in this book.
RELY-O-DYNE RADIO

MAKE REAL MONEY BY FEATURING THIS CHASSIS

RELY-O-DYNE CHASSIS

A Fine Six Tube Radio
The 1928 model pictured here is 6 tubes instead of 5, giving it added punch, added volume, better tone and a greater distance range. Instead of three controls it is now a two control receiver, positively now the greatest radio set value in America. A full six tube receiving set with three stages of radio frequency and detector and two stages of audio frequency amplification. The Rely-O-Dyne series “8” uses the famous Eela audio transformers which give that fine, clear, life-like reproduction of the voice and music. And best of all, a new low price that will make the Rely-O-Dyne your best seller and 3 for best profit producer. The new duo control gives even tuning with a maximum amount of selectivity. The control mechanism is simple, sturdy and fool proof.

A Phenomenally Low Price
Accessories Recommended For Rely-O-Dyne Radio

Manufactured Under Patents of The Radio Corporation of America

The 1928 Rely-O-Dyne with a simplified Duo-control is manufactured under patents of The Radio Corporation of America. It is positively the lowest priced chassis ever offered to the dealer, which incorporates all these superior features. It uses a circuit that has been acclaimed one of the best and most efficient ever designed. Although the use of a power tube (CX-112) is recommended in the last stage, the Rely-O-Dyne will work satisfactorily with six CX-301A, using 135 volts. All parts used are of an exceptionally high character and each unit is subjected to numerous tests to assure satisfactory reception in every case.

Sturdily Built
The two underneath and top views of the chassis show the substantial character of construction. Dual control of receivers gives it simplicity in tuning in stations. Selectivity and tone quality have been particularly stressed in making this chassis a world beater. For accessories and complete equipment for this chassis see page 2-28. All the latest speakers, power units and other accessories are listed there.

ORDER ONE OF THESE CHASSIS NOW!

THE HARRY ALTER CO. CHICAGO
# Rely-O-Dyne Table Model, A Great Value

Think of it! A six tube two control table model radio receiver in the Rely-O-Dyne class retailing for only $20.90. The cabinet, as you see, is of very high grade two tone mahogany varnished, hand rubbed and hand polished. The top and the sides are attractively scored and finished in two tones. 

All the Latest Features and Improvements

A full sized piano hinge on the lid, attractive carvings on the front pillars, rubber tabs on legs to prevent scratching, all the features to be found in cabinets selling for many dollars more. And best of all, a degree of radio reception, a quality of tone and a general all around satisfaction to be found only in the highest priced radio receivers.

## Electrically Operated RELY-O-DYNE

**dealers**, who want a completely electrically operated set, dry in every sense, can obtain the Rely-O-Dyne completely equipped with the Majestic Dry "A" and "B," a very fine combination. Operates directly from electric light socket. A proven combination that is guaranteed to give excellent results. Just the thing your customer is looking for. 

110 volt, 60 cycle current only.

1. **Table Model**  
   - CX-301A Cuzzingsham  
   - 6-Volt Burgess No. 10308  
   - Majestic Super "A"  
   - Majestic Super "B"  
   - Aerial Kit

**No. 98868**  
Complete... $68.11  
List... $88.90  
Less... $20.79  
Less... $24  

**Speaker Separate**

We have omitted the speaker from the above combination, to enable you to pick any speaker desired by you. See pages 2 to

---

### Complete Combinations

You can order the Rely-O-Dyne Table Model separate at the low price of $23.23 Net, or you can get a complete outfit containing all accessories and speaker at very attractive prices quoted below:

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>BATTERY EQUIPPED</strong></td>
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<td><strong>Table Model Rely-O-Dyne</strong></td>
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<tr>
<td>No. 98862</td>
<td><strong>Tower Pirate Ship Speaker</strong></td>
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<tr>
<td></td>
<td><strong>CX-301 Cunningham</strong></td>
<td>$17.90</td>
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<td></td>
<td><strong>Brunelli-Jones &quot;B&quot; Battery</strong></td>
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<td></td>
<td><strong>Brunelli-Jones &quot;C&quot; Battery</strong></td>
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<td></td>
<td><strong>100 Amp. Storage Battery</strong></td>
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<td></td>
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<tr>
<td></td>
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<td></td>
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<tr>
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<td><strong>Each... $56.90, Less 2% or</strong></td>
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<tr>
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<td><strong>Tower Pirate Ship Speaker</strong></td>
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<td></td>
<td><strong>Brunelli-Jones &quot;B&quot; Battery</strong></td>
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<td><strong>Brunelli-Jones &quot;C&quot; Battery</strong></td>
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<td><strong>Aerial Kit</strong></td>
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<td><strong>CX-301 Cunningham</strong></td>
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<td><strong>CX-301 Cunningham</strong></td>
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<td><strong>Brunelli-Jones &quot;B&quot; Battery</strong></td>
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<td><strong>Brunelli-Jones &quot;C&quot; Battery</strong></td>
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<td></td>
<td><strong>Aerial Kit</strong></td>
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<td><strong>List... $54.93</strong></td>
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<td><strong>Each... $52.93, Less 2% or</strong></td>
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<th>Description</th>
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<tr>
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<td><strong>Tower Adventurer Speaker</strong></td>
<td>$54.93</td>
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<td></td>
<td><strong>CX-301 Cunningham</strong></td>
<td>$17.90</td>
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<td></td>
<td><strong>34-Volt Burgess No. 10308</strong></td>
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<td><strong>Brunelli-Jones &quot;B&quot; Battery</strong></td>
<td>$3.90</td>
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<tr>
<td></td>
<td><strong>Aerial Kit</strong></td>
<td>$2.90</td>
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<td></td>
<td><strong>List... $54.93</strong></td>
<td></td>
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<tr>
<td></td>
<td><strong>Each... $52.93, Less 2% or</strong></td>
<td></td>
</tr>
</tbody>
</table>

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### Table Model

**NO. 98602**  
**List... $58.90**  
**Each... $56.90, Less 2% or**

**Manufactured Under Patents of Radio Corp. of America**

The new duo control six tube improved Rely-O-Dyne is now manufactured under the patents owned by the Radio Corporation of America. Positively the lowest priced six tube chassis on the market today that incorporates all of these worth while patents. A feature, Mr. Dealers, that breaks down the sales resistance and brings the money. At the new low price the Rely-O-Dyne is one of America's truly great radio values, Order a sample and decide this for yourself.

---

**THE HARRY ALTER CO. CHICAGO**
The six-tube Wright radio employs three stages of radio frequency, two stages are tuned and one untuned with a detector and two stages of audio frequency amplification. Metal panel, walnut finish, 7x18, with bakelite dial thru window in panel. Binocular high efficient R. F. coils. High grade matched variable condensers ganged by patented rack and gear arrangement. Fine volume control. Output transformer produces clear pure tone free from distortion and blasting. Single control dial of unique design, very easily tuned.

Here is a radio receiver that gets all stations. The WRIGHT chassis will fit any standard console cabinet that will accommodate a 7x18" panel. We can supply the chassis only to dealers for installation in their own console cabinets as well as for use with any of the console cabinets illustrated on the following pages. The WRIGHT is a first-class, high quality, absolute single control receiver employing a new system of ganged condensers. The WRIGHT will step out and get distance. It is very selective and will tune out interfering stations with ease. A noteworthy feature of the WRIGHT is the tone quality obtained through the use of standard two stage audio frequency amplification with the addition of an output transformer. Steel construction assures rigidity, durability and permanence of performance.

You will find the WRIGHT a ready seller. It has eye value and an instant appeal because of its exceptionally handsome cabinet. Your customers will like the performance of the WRIGHT and you will like its trouble-free, service-free performance.

Chassis Only
As Shown
We can furnish the chassis only which is the complete receiver set less accessories or furniture, ready to put into any console cabinet at the following prices.
No. 96504-List Price $44.75
Less 40% or $26.85
LESS 2% or
$26.31 NET

Six Tube "WRIGHT" in the Table Model

The WRIGHT table model illustrated here is the same famous WRIGHT chassis fully described above, installed in a very handsome table cabinet. The cabinet is of warranted five-ply mahogany finished in a very handsome duo-tone. The cabinet is one that will please your most fastidious customers. Many table model radios will be sold this year for use with the new Ortho-Sonic type loud speakers, similar to the Newcombe-Hawley illustrated on page 52. We have a special franchise proposition, guaranteeing the exclusive sale for your territory if you are interested in the WRIGHT receiver. Write us at once for details on our exclusive franchise proposition. Order a sample WRIGHT at once and convince yourself that it is right.

ACCESSORIES RECOMMENDED
For Six Tube Wright Radio
1 Cunningham CX-301A Tubes
1 Cunningham CX-300A Detector Tube
1 Cunningham CX-112 Power Tube
1 Brunell-Jones 45-Volt "B" Batteries
1 Brunell-Jones CX-300A "A" Battery
2 Balrite-Trockle Charger
1 Regulation Aerial KIt

For Electric Socket operation instead of batteries substitute either White, Philco, Balrite, "Auto" units or any separate units in combination as shown on pages 12-21.

Add a good loud speaker selected from this catalog.

COMpletely Equipped TABLE MODELS
Order a completely equipped WRIGHT Table Model, including all accessories as follows: 1 Table Model, 1 Tower Adventurer Speaker, 4 CX-301A Cunningham Tubes, 1 CX-300A, CX-112, 3 Brunell-Jones "B" Batteries, 2 "C" Batteries, 100 Amp. Storage Battery, 1 Aerial KIt, ready to operate.

No. 96557
List $55.50
Each $37.70
Less 5% or
$58.51 NET

Wright Table Model
No. 9655
LIST $30.72
LESS 40% or
LESS 2% or
$30.72 NET

THE HARRY ALTER CO., CHICAGO, ILL.
Many New Ace Features

The Ace employs three stages of radio frequency amplification, two are tuned and one stage is untuned. There are two stages of audio frequency amplification and one detector. The single control knob turns the three variable air condensers connected by a belt of copper stripping with an adjusting screw for taking up any play that may develop in later years.

The Ace Now Made Under R. C. A. Patents

Here is an additional big Ace feature that will help you sell more Ace receivers. You can now guarantee your customers that Ace Radios are manufactured under the Patents of the Radio Corporation of America for Amateur and experimental use and for Broadcast reception. This means that Acè receivers will incorporate all the outstanding features to be found in R.C.A. patents. It is a big selling help for you and removes the last doubt from the minds of your customers that the ACE is the radio they should own.

“ACE” Chassis only

We can furnish the chassis only which is a built-up unit ready to install in any cabinet that will accommodate a 7x18-inch panel.

No. 96606
List $54.00, Loss 40% or $32.40, Loss 2% or
$31.75

This view shows the substantial metal chassis, the single control knob, the lines of the cabinet and the rugged construction of the Ace single six.

ACCESSORIES RECOMMENDED FOR ACE RADIO

<table>
<thead>
<tr>
<th>Table Model</th>
<th>No. 96507</th>
<th>$36.16 NET</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>List $41.50</td>
<td>Loss 4% or $36.95, Loss 2% or</td>
</tr>
</tbody>
</table>

For Electric Receiver Operation instead of batteries substitute either White, Philco, Bakelite, Rapro or Majestic "AB" units or any separate units in combination as shown on pages 13 to 21.

THE HARRY ALTER CO., CHICAGO ILL.

ACE A. C. RADIO

For dealers who desire a completely A.C. operated set, we can supply the ACE Model 7, which uses the new type A. C. tubes (ex 326 or 7x366). No batteries whatever. The complete set is furnished with power pack (including rectifying tube). Only requires in addition 2-CX306 and 1-CX307 A.C. Tube. The newest type radio on the market. Expert workmanship assure complete satisfaction. 110 Volt 60 Cycle A.C. power line. This model will be quick to meet the great public demand for this A.C. set. Priced Less A. C. Tube.

CHASSIS ONLY—Complete
No. 96612
List $104.00
Less 2%, or
$61.15

TABLE MODEL Complete
No. 96613
List $115.00
Each $61.15
Less 2%, or
$65.56

This view shows the substantial metal chassis, the single control knob, the lines of the cabinet and the rugged construction of the Ace single six.

ACE Table Model

The table model of the Ace single six illustrated to the left, contains the same chassis shown above in a very good-looking table cabinet. A popular seller for those people who do not want to go to the expense of a console cabinet. The table cabinet is mahogany or wenge finish, varnished and hand rubbed. Tops and sides have attractive scolloping design in two-tone effect.

COMPLETELY EQUIPPED
ACE TABLE MODEL

Order now a completely equipped ACE Table Model at a special price. Includes 1 Table model, 1 Tower Speaker, 4 CX-301A Cunningham Tubes, 1 CX-306A, 1 CX-121, 3 Brunelli-Jones "B" Batteries, 2 "C" Batteries, 1 100 Amp. Storage Battery, 1 Aerial R.H. ready to operate.

No. 96558
List $125.25
Each $63.65
Less 2%, or
$61.15

NET
You will find the Dreadnaught to be a highly satisfactory radio for all people interested in better radio reception. Six tubes using two stages of radio frequency amplification, a detector and three stages of audio, two of which are resistance-coupled. The tone, the volume, the selectivity is equal to that of radios costing a great deal more. The Dreadnaught chassis can be obtained as a 7x18-inch panel to fit any console you may have that will accommodate that size. By referring to pages 36 to 45 you will see a line of cabinets especially designed to accommodate the Dreadnaught that will answer every demand you have from your customers at any prices hard to beat.

**Dreadnaught Table Model—A Sure Sales Leader**

The Dreadnaught chassis described above is placed in a very attractive table model cabinet. This is a quality job of mahogany in a two tone, hand rubbed finish. Top and sides of this cabinet are attractively scored giving a very pleasing effect. Refer to page 42 of this catalog for an attractive line of table consoles especially designed for use with the table model Dreadnaught.

**COMpletely EQUIPPED TABLE MODEL**

At a special price the completely equipped "Dreadnaught" Table Model includes: 1 Tower Adventurer Speaker, 4 CX-301A Cunningham Tubes, 1 CX-300A, 1 CX-112, 3 Brunnell-Jones "B" Batteries, 2 "C" Batteries, 1 100 Amp. Storage Battery and 1 Aerial Kit, ready to operate. No. 96505—List.... $59.74 Each. $50.95—Less 2% or $50.00

**Dreadnaught Table Model**

No. 96505
List $59.74
Less 2% or $53.70

**ACCESSORIES RECOMMENDED**

For Dreadnaught Radio

1. Cunningham CX-301A Tubes
2. Cunningham CX-300A Detector Tube
3. Cunningham CX-112 Power Tube
5. Brunnell-Jones 4½ Volt. "B" Batteries
6. Batterfly 100 Amp. "A" Battery
7. Bakelite Trickle Charger
8. Regulation Aerial Kit

For Electric Socket Operation instead of batteries substitute either White, Philco, Bakelite, Rupex or Majestic "A" units or any separate units in combination as shown on pages 12 to 21.

One of the conspicuous features of the Dreadnaught radio is its solid, substantial, rugged construction. There are other outstanding superior points. The audio end consists of two stages of resistance coupled and one stage transformer coupled, giving an unusually fine tone that covers the entire musical scale. The single control feature is obtained by means of an illuminated drum dial operating three condensers on one shaft. By means of adjustment knobs on the panel the sharpest kind of tuning can be obtained, and the distant stations brought in at their maximum volume. The heavy panel is reinforced with braces and solidly riveted to the 18-gauge aluminum chassis. Patent sure contact sockets are used, bakelite condenser and the famous Emco grid leak and resistors are used.

**Dreadnaught Chassis Only**

We can furnish the chassis only which is a built up unit ready to install in any cabinet that will accommodate a 7x18 panel. No. 96508
List Price $47.90
Less 2% or

**$27 64 NET**

This underwater shows the next design and workmanship to be found in the Dreadnaught radio. Good workmanship, scientific design, quality parts—all are to be found in the Dreadnaught radio.
THERE IS A BIG DEMAND FOR EIGHT TUBE RADIOS

Dealers featuring the Inter-Ocean eight can guarantee their customers a great distance range, an amazing degree of selectivity and last, but most important of all, a quality and volume of tone to be found only in the highest priced receiving sets made. We recommend an outside aerial of 75 to 100 ft. although the Inter-Ocean eight will work with fair satisfaction over shorter distances with a loop aerial. The INTER-OCEAN Eight is admirably adapted for use with "B" Eliminators and is absolutely free from "motor-boating" effects. A most efficient instrument.

A great many people still want table model radio sets and so we have here the Inter-Ocean eight in a very handsome two-tone mahogany finish cabinet. See page 42 for several attractive tables to be used with this Inter-Ocean eight model. The table illustrated here is beautifully finished, has attractive scoring and carving, a design that will appeal to your most fastidious customers.

ACCESSORIES RECOMMENDED FOR 8-TUBE INTER-OCEAN RADIO

<table>
<thead>
<tr>
<th>6 Cunningham CX 391A Tubes</th>
<th>1 Cunningham CX 309A Detector Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cunningham CX 312 Power Tube</td>
<td>3 Brunell-Jones 45-volt &quot;C&quot; Batteries</td>
</tr>
<tr>
<td>4 Brunell-Jones 45-volt &quot;B&quot; Batteries</td>
<td>1 Battery 120-Amp. &quot;A&quot; Battery</td>
</tr>
<tr>
<td>1 Requisition Aerial Kit</td>
<td>1 Good Trickle Charger</td>
</tr>
<tr>
<td>1 Good Loud Speaker</td>
<td></td>
</tr>
</tbody>
</table>

 Territory Still Open

We have an exceptionally attractive exclusive franchise proposition to offer dealers interested in securing the exclusive selling rights in their territory on the Inter-Ocean eight. Free advertising and selling help—full territory protection are obtainable in your territory. Write at once for all information.

FOR ELECTRIC SOCKET OPERATION instead of "A" and "B" batteries substitute either White, Philco, Ballite, Kuprose, Majestic or any other power units shown on pages 12 to 21.
Here is a console cabinet priced very low, but a quality job throughout. Made of 5-ply mahogany in a handsome two-tone finish. It is small and compact, measuring only 36\% inches high, 31\% inches wide and 13\% inches deep. There is ample space for batteries or power equipment so that the installation is complete and self-contained. Not an exposed wire to mar the appearance of any room.

**Built-In Loud Speaker with Utah Unit**

The self-contained loud speaker built into this console has a 5-ply wooden tone chamber with a patented cast non-vibrating tone arm to which is fastened a genuine Utah loud speaking unit. The quality of the tone is surprising. The volume is all that anyone would want. The reproduction of music and voice is amazingly life-like.

**Your Customers Want Consoles**

The big demand this year is for console cabinets to house a good radio. Everybody wants a console cabinet instead of a cable cabinet with a lot of messy wires. Make your installations in consoles that contain all the batteries and make a neat workmanlike job.

This view shows the Lakota Console from the rear. You can see sturdy, substantial loud speaker, the big battery compartment with its ease of accessibility. There is room in the Lakota Console for all the batteries or power units required. Note how compact everything is and what a neat job it makes.

**NOTE REDUCED PRICES**

SPECIAL PRICES ON "LAKOTA" AND RADIO CHASSIS COMBINATIONS

- **Rely-O-Dyne Chassis**
  - Lakota Console with Utah Unit
    - No. 96615
    - List $38.00
    - Less 40% or $17.60
    - See Page 31 for Rely-O-Dyne Data
  - Special Price: $34.99

- **Wright Chassis**
  - Lakota Console with Utah Unit
    - No. 96636
    - List $77.10
    - Less 40% or $42.46
    - See Page 32 for Wright Data
  - Special Price: $41.81

- **Dreadnaught Chassis**
  - Lakota Console with Utah Unit
    - No. 96638
    - List $77.50
    - Less 40% or $46.50
    - See Page 34 for Dreadnaught Data
  - Special Price: $43.22

- **Brunelli-Jones Chassis**
  - Lakota Console with Utah Unit
    - No. 96634
    - List $53.50
    - Less 40% or $32.10
    - See Page 28 for Brunelli-Jones Data
  - Special Price: $31.46

- **Ace Chassis**
  - Lakota Console with Utah Unit
    - No. 96637
    - List $53.50
    - Less 40% or $46.50
    - See Page 33 for Ace Data
  - Special Price: $47.19

- **Inter-Ocean Chassis**
  - Lakota Console with Utah Unit
    - No. 96639
    - List $55.00
    - Less 40% or $64.80
    - See Page 35 for Inter-Ocean Data
  - Special Price: $63.50

---

THE HARRY ALTER CO., CHICAGO, ILL.
SELL ANY RADIO SET IN THIS BOOK
THEN ELECTRIFY IT WITH "A" SOCKET POWER

The much talked of A. C. tube and A. C. operated receiving sets are still in the experimental stage. Their worth is yet to be proven. No one can say just how these sets will work out. That is why you will not find in this catalog any receiving sets that use the new A. C. tube or designed to operate right off the electric light socket. Again we say that up to this time they have yet to demonstrate and prove their satisfactory performance.

ELECTRIFY
Your Sets With
MAJESTIC DRY "A" and "B"

Any of the sets shown in this book can be converted to completely ELECTRIC sets operating directly from the electric light socket by using the efficient MAJESTIC Dry "A" and "B" models. A complete description of the MAJESTIC line is given on page 16. For 60 cycle, 110-volt current MAJESTIC is the fastest selling "B" and "A" combination. Get your stock now. Immediate delivery on all models.

MAJESTIC DRY "A"

For all type sets up to 8 tubes, including power tube.

Absolutely $23.36
Net

No. 94918—List, $39.50—Each, $37.70—Less 2% or
MAJESTIC "B"

Majestic Super—The most popular and fastest selling "B" Eliminator. 50 Mls. at 180 volts. With tube.

No. 94919—List, $29.70—Each, $27.90—Less 2% or

Majestic Master—A precision Power Unit. 60 Mls. at 180 volts. Without tube.

No. 94920—List, $32.50—Each, $30.80—Less 2% or

Majestic Master Special has 4.5"" taps 50 Mls. at 180 volts. Without tube.

No. 94921—List, $32.50—Each, $30.80—Less 2% or

"AB" SOCKET POWER


$34.99
Net

Brunelli-Jones "A" Unit

No. 94994
List $24.50
Less 40% and 2% or

$14.41
NET

This combined high grade storage battery and Rectos Trickle Charger works automatically from the switch on the radio panel. An "A" power unit main relay bulb—has a heavy duty 6-volt 60 amp. all fully automatic.

Balkite "A"

Here is a batteryless "A" power unit for replacing "A" batteries using the Balkite principle of rectification. Contains of Balkite rectifier and stored condenser. Trouble proof—time tested and given maximum service. You can safely push the Balkite "A" unit for all makes of radio sets.

No. 96025
List $35.00
Less 40% and 2% or

$20.58
Net

The new batteryless Balkite "A" Unit is a huge success. The Balkite principle has been demonstrated in the past two years to be absolutely perfect.

Balkite "AB"

List $64.50 Less 40% or $38.70, Less 2% or

$37.93
Net

Here is the new Balkite "A" and "B" battery elimina-
tor. Contains no batteries of any kind. Absolutely fool-proof, service-free, reliable and dependable. Why bother with A. C. tubes. Sell your customer the radio set on its performance. Then electrify it with a Balkite

OTHER POWER UNITS

White "A" and "B"........... $14
Kuprox...................... 15
Burns....................... 12
Sterling.................... 18
Sentinel.................... 18

THE HARRY ALTER CO., CHICAGO, ILL. 37
Here is one of the greatest console values on the market today. A complete self-contained unit with built-in speaker, plenty of room for batteries and space for the radio set, all at a most amazingly low price. Not a cheap job but quality throughout. Built of genuine walnut ply wood, beautifully finished and high lighted. The top raises giving access to the radio set for adjustment when needed. The battery compartment and loud speaker are accessible in the rear. Here, Mr. Dealer, is a job that you can use for most of the lower priced radios as a sales leader.

**Built-In Speaker of Fine Tone and Utah Unit**

The tone quality and reproduction is very fine because the Oxford console has a long air column loud speaker using in conjunction with it a genuine Utah unit. Remember that good tone quality is important and it is built in the Oxford.

**Fits Any 7x18 Radio**

Most any radio set using a standard 7x18-inch panel will fit in the Oxford console. We can strongly recommend any of the radio chassis shown below, and priced below as ideal combinations. For example: The Oxford console and the Rely-O-Dyne 6-tube, two control chassis carries a list price of only $69.50. Think of a value of that kind. A radio set, console, loud speaker and unit, all at the low retail list price of $69.50, less 40% dealer's discount or $41.70, less 2%.

**SPECIAL PRICES ON “OXFORD” AND RADIO CHASSIS COMBINATIONS**

<table>
<thead>
<tr>
<th>Chassis</th>
<th>Special Price</th>
<th>Normal Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rely-O-Dyne Chassis</td>
<td>$37 63 Net</td>
<td>$44 44 Net</td>
</tr>
<tr>
<td>Wright Chassis</td>
<td>$45 72 Net</td>
<td>$52 00 Net</td>
</tr>
<tr>
<td>Dreadnaught Chassis</td>
<td>$47 04 Net</td>
<td>$54 32 Net</td>
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<tr>
<td>Brunelli-Jones Chassis</td>
<td>$35 28 Net</td>
<td>$42 24 Net</td>
</tr>
<tr>
<td>Ace Chassis</td>
<td>$50 98 Net</td>
<td>$58 70 Net</td>
</tr>
<tr>
<td>Inter-Ocean Chassis</td>
<td>$67 32 Net</td>
<td>$75 00 Net</td>
</tr>
</tbody>
</table>

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While small in size, because of its correct design and proportions, the Oxford makes a very pretty appearance in any room. Ideal for small apartments or small rooms where economy in space is desirable. The outside dimensions of the Oxford are: 38 1/4 inches high, 22 inches wide and 14 3/4 inches deep.
MELODIAN CONSOLE and Rely-O-Dyne SIX TUBE RADIO

At This Amazing Special Combination Price!

Bigger Profits—Quicker Sales with Rely-O-Dyne = Melodian Outfit

Compare the Melodian Console equipped with the Rely-O-Dyne 6-tube 2 control radio chassis and genuine Utah loud speaking unit with anything on the market. Its great value will immediately appear. A sure-fire hit with your customers—this outfit will pay you big profits. The Melodian Console is made of 6-ply oak—by expert cabinet makers. The finish is extraordinary for a console selling at this price—hand-rubbed and high-lighted. An unusually handsome grille in front high-lighted wood trimmings—strong and substantial. There is a drop-flat door concealing the radio set—and the door provides an arm rest when tuning the set.

The front grille is hinged and swings out so that the battery compartment is easily accessible for renewal of batteries or adjustment of socket power units if they are used—also exposing the loud speaker. And what a loud speaker! It consists of a wooden tone chamber with metal tone arm giving long air column effect and fitted with the famous Utah unit note for fine tone quality.

An unusual feature in the drawer panel arrangement that contains the radio set which pulls out to give access to radio set in case any adjustments are needed.

Special Complete Price With All Accessories

Here is a special combination offer that makes a fine sales leader for wide-spread dealers who want to offer real values to their customers. Because of the special low price we quote here we can make any changes or exceptions to the list of accessories in this offer.

The Melodian Utah equipped console and Rely-O-Dyne six tube radio complete with 6 Cunningham tubes—1 CX 200A, 1 CX 200A, and 1 CX 112 power tube, 1 Majestic "B" battery eliminator, 1 Brunielli-Jones "A" socket power with automatic relay, 1 regulation Aerial Kit, 2-4 1/2 Volt "C" Batteries. Very special complete as described No. 96630, $85.50, less 2% or $83.79 net.

Melodian Console For Any 7x16 Radio

You can buy the Melodian Utah equipped console for use with any radio set you choose. It will fit any 7x16 cabinet or smaller. The set mounts in a drawer arrangement that slips in or out easily at will. The Melodian console has a wooden tone chamber and Utah giving a very beautiful tone with plenty volume. The Melodian Console has ample space for all batteries or power units. The battery compartment is back of the grille which swings open on hinges. When it is closed to cabinet case and finish you cannot beat the Melodian. The wood is 6-ply oak, hand-rubbed and high-lighted. A finish of surpassing beauty.

Melodian Console with Your Choice of 6 Chassis

At the lower right-hand corner of this page we give a complete schedule of prices on the Melodian Console in combination with our complete line of radio chassis on pages 30 to 35. Study these low combination prices—you'll find them all right. Meet and beat all your local competition as well as mail order competition by featuring our line of radios and consoles. Exclusive buying means big saving and selling advertising helps can be secured—Write us at once.
REGAL CONSOLE

The Regal Console pictured here is a cabinet of outstanding value. The low list price is no indication of the quality as the finest woods are used throughout. Made of genuine walnut ply wood with striped mahogany overlays on the front doors. Ebony finished molding around the front gives an effect that is strikingly beautiful. The finish is guaranteed high grade varnish, hand-rubbed.

Deep-Tone Mellow Horn with Utah Loud Speaker Unit

The Regal Console has a most beautiful tone that reproduces voice and music with startling fidelity. The deep tone, long air column, mellow horn equipped with the Utah loud speaker unit, gives splendid reproduction so necessary nowadays with the critical public.

Real Furniture of Beauty

The Regal Console will satisfy every customer who buys it from you because of its convenience. The top raises giving access to the radio set and the front doors swing wide open, exposing the grille which can be removed to give access to the battery compartment and loud speaker.

SPECIAL PRICES ON “REGAL” AND RADIO CHASSIS COMBINATIONS

<table>
<thead>
<tr>
<th>Chassis</th>
<th>Special Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rely-O-Dyne</td>
<td>$52.33</td>
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<tr>
<td>Dreadnaught</td>
<td>$60.56</td>
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<tr>
<td>Wright</td>
<td>$58.90</td>
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<tr>
<td>Brunelli-Jones</td>
<td>$48.75</td>
</tr>
<tr>
<td>Inter-Ocean</td>
<td>$64.53</td>
</tr>
<tr>
<td>Ace</td>
<td>$39.98</td>
</tr>
</tbody>
</table>

PRINCESS CONSOLE

The Princess Console is a brand new 1927-28 design, exceedingly popular nowadays and one of America’s outstanding values, because of the low price we quote. The Princess Console is made of genuine walnut ply wood beautifully finished and high polished. The top raises giving access to the radio set in case adjustment is necessary. Equipped with a long air column, deep tone speaker and genuine Utah loud speaker unit. Also has plenty of battery space in the rear for other batteries or power units.

Ortho Type Speakers

Give that Deep Rich Tone

The radio buying public this year are more critical than ever about the tone of their radios. The Princess Console answers this problem with a long air column, deep pitched tone loud speaker that is equipped with a genuine Utah unit so that the reproduction of both voice and music is clear, mellow and covers the entire scale of audibility. A very attractive grille covers the loud speaker as well as the battery compartment. Access to same being from the rear of the console.

Fits most 7x18 Radios

The Princess Console will accommodate any radio set having a standard 7x18 panel, but is especially designed for any radio chassis and which we price exceptionally low in combination with the Princess Console. Note for example the special price of the Princess in combination with the Rely-O-Dyne 4-tube, two control chassis of only $137.95 list, less 40% dealer’s discount or $83.37 or 40% of the list price of $224.40.

THE HARRY ALTER CO., CHICAGO, ILL.
The proportions of the Tivoli Console are perfect. Not too large or too small. It stands 48 inches high, it is 26 inches wide and 17 inches deep. The right size for the average home. You will find the Tivoli one of your best sellers. A console that will give utmost satisfaction.

In the Tivoli, Mr. Dealer, you will find an exclusive design that every one of your competitors will not have this year. The Tivoli has unusual eye value in appearance equal to many cabinets costing a great deal more. In spite of the low price, only the finest of woods are used and the workmanship is careful and thorough. Made of genuine walnut ply wood in a two-tone high lighted finish. The front has satinwood overlay and two-tone ebonized border. We are particularly proud of the finish as it is genuine varnish, hand rubbed and hand polished.

They Want Tone This Year and the Tivoli has it!

The Tivoli Console is equipped with a pure tone, long air column wood horn equipped with a Utah unit. Gives amazingly true reproduction of the voice and music without blast, but with a deep, rich tone.

The radio set is mounted in a drawer arranged to take a 7x18 inch panel which pulls out to give access to the radio in case attention is required. The front doors of the Tivoli Console swings back, exposing the grille which can be removed to give access to the battery compartment and loud speaker. Very convenient and handy.

SPECIAL PRICES ON "TIVOLI" AND RADIO CHASSIS COMBINATIONS

**Rely-O-Dyne Chassis Including Tivoli Console**

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See Page 31 or Rely-O-Dyne Data.

**Wright Chassis Including Tivoli Console**

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<tr>
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See Page 32 for Wright Data.

**Brunelli-Jones Chassis Including Tivoli Console**

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</tr>
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<tbody>
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<td>2% or Less</td>
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See Page 33 for Brunelli-Jones Data.

**Ace Chassis Including Tivoli Console**

<table>
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<tr>
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</table>

See Page 33 for Ace Data.

**Dreadnaught Chassis Including Tivoli Console**

<table>
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</table>

See Page 34 for Dreadnaught Data.

**Inter-Ocean Chassis Including Tivoli Console**

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<td>$65.00</td>
</tr>
<tr>
<td>2% or Less</td>
<td>$62.60</td>
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</tbody>
</table>

See Page 35 for Inter-Ocean Data.
Pictured here is the Victorian Console in all its splendor and beauty. Another perfect example of the woodworkers' craftsmanship. Made of genuine walnut ply wood with figured maple overlays on the posts and herringbone mahogany overlays on the doors. The doors also have a beautiful Acacia overlay on the center. The bottom stretcher and the bottom apron of the Victorian Console is also trimmed with curly maple scroll overlay, all giving a most beautiful effect. The doors swing outward, exposing the radio and loud speaker grille which is unusually beautiful in design.

**Beautiful Tone from Long Air Column Deep-Tone Horn**

One of the outstanding features of the Victorian Console is the tone quality obtained thru use of an extra long air column, deep tone horn, scientifically designed to give best results with the Utah Unit that it is equipped with. Mr. Dealer, the public is interested in good tone reproduction and that is one of the strongest features of the Victorian Console.

**Accessible Thru Front**

The front grille is removable, giving access to the battery compartment as well as the loud speaker. There is plenty of room for batteries or power units, whichever are to be used. The top lifts up giving access to the radio set if adjustments are necessary.

**SPECIAL PRICES ON "VICTORIAN" AND RADIO CHASSIS COMBINATIONS**

<table>
<thead>
<tr>
<th>Chassis Type</th>
<th>Victorian Console Combination</th>
<th>List Price</th>
<th>Special Price</th>
<th>Net Price</th>
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<tr>
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<td>Wright Chassis</td>
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<td>Dreadnaught Chassis</td>
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<tr>
<td>Brunelli-Jones Chassis</td>
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<tr>
<td>Ace Chassis</td>
<td>SPECIAL</td>
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<td>$69.83</td>
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<tr>
<td>Inter-Ocean Chassis</td>
<td>SPECIAL</td>
<td>$56.00</td>
<td>$85.85</td>
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</tr>
</tbody>
</table>

See Pages 31-35 for further information.

THE HARRY ALTER CO., CHICAGO, ILL.
The Valencia Console is beautifully proportioned. It is 54½ inches high, 28 inches wide and 17½ inches deep. Not too large for the average room. Its graceful lines, exquisite finishing and scientifically correct radio features make it a desirable console to push. We strongly recommend the Valencia.

**Built-In Pure-Tone Speaker With Utah Unit**

Built into the Valencia Console is a very fine wood tone chamber loud speaker, equipped with a Utah unit. This gives a quality of radio reception in keeping with the quality of the furniture. Beautiful tone with plenty of volume comes through the very handsome grille when the doors are open.

**Many New and Exclusive Features**

New patented swing back hinges on the doors are used so that they fold all the way back if desired. The front grille is removable, giving access to the battery compartment as well as to the loud speaker. The radio set is mounted on a drawer to accommodate 7x18-inch panel, which pulls out to give access to the radio in case adjustment is necessary.

---

**SPECIAL PRICES ON "VALENCIA" AND RADIO CHASSIS COMBINATIONS**

<table>
<thead>
<tr>
<th>Console Model</th>
<th>Net Price</th>
<th>Description</th>
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<tbody>
<tr>
<td>Valencia Console No. 96622</td>
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<td>List $81.00 Less 40% or $48.60 Less 2% or</td>
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<tr>
<td>Rely-O-Dyne Chassis</td>
<td>$64.68</td>
<td>Net Price</td>
</tr>
<tr>
<td>Brunelli-Jones Chassis</td>
<td>$61.15</td>
<td>Net Price</td>
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<tr>
<td>Ace Chassis</td>
<td>$76.88</td>
<td>Net Price</td>
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<tr>
<td>Inter-Ocean Chassis</td>
<td>$93.20</td>
<td>Net Price</td>
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</tbody>
</table>

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**THE HARRY ALTER CO., CHICAGO, ILL.**
OUTSTANDING BARGAINS—SURE-FIRE SELLERS

For Panel
9" x 29" or Smaller

For Panel
9" x 20" or Less

Two-Tone WALNUT HIGHBOY
Extra Wide
A very attractive and distinctive console that will accommodate panels up to 9x29 inches. Furnished with blank panel which can be cut to fit any smaller sized panel. Battery space is large enough to accommodate any combination of power unit. Made of 5-ply walnut and equipped with an exceptionally well made horn speaker with fine tone quality. Outside dimensions: Height, 43 inches; width, 39 3/4 in.; depth, 15 1/4 in. Net

No. 93324—Complete With Unit
Each $27.05 Less 2% or

Also Sold Without Unit at
$25.40 less 2% or $24.32 net

Net

A FINE TABLE
For 7x18 Cabinets

This console table has ample battery space and door opens in front for easy access. Made of genuine mahogany ply wood (top and door edgebanded). Decorated with real overlay. Outside dimensions: 22 1/4 inches long, 30 inches high and 13 3/4 inches deep.

With Sliding Shelf for Speaker

WALNUT CONSOLE TABLE
With Battery Space and Speaker Shelf

This console table will accommodate the majoritv of table model sets. Has high grade rubbed varnish finish and genuine maple overlay. Large battery compartment and speaker shield (for speaker). Outside dimensions: Height, 30 inches; width, 30 No. 96750
Each $14.50
Less 2% or

A GORGEOUS RADIO TABLE
With Built-in Speaker

The genuine walnut ply wood has real birch eye maple overlay—a rich, rubbed varnish, walnut finish. Abundant space for power units. Complete with high grade wood horn and Utah unit. Outside dimensions: Height, 30 inches; width, 28 inches; depth, 18 inches.

No. 96751
Each $16.17
Less 2% or

THE HARRY ALTER CO., CHICAGO, ILL.
1928 IS A LONG-AIR COLUMN YEAR

Consoles illustrated on the opposite and following pages come with blank panels and any radio set may be fitted into them with a front panel not exceeding the dimensions stated. All consoles are equipped with the modern, deep tone long air column tone chambers and come equipped with a high-grade unit.

MAKE REAL SUBSTANTIAL PROFITS BY SELLING THESE HIGH GRADE CONSOLES

Model 20 Console

A console of beautiful design. Decorate overlay, raised panel at top of doors, is of imported wood laid into marquetry with a panel of English Burl walnut in center. An exceptionally well proportioned console with long air column horn and excellent Utah unit. Accommodation set with 10' x 21" or smaller panel front. Overall dimensions: Height 43½" Width 28½" Depth 21½" Ample space for power units.

No. 96821 With Unit $55.86
List $95.00
Each $57.00, Less 2½ or

THE INTERMEZZO

A console of the strictly ortho-type design so popular now. The eye value of this cabinet is wonderful. The two doors in front are of the most select matched butt walnut and made in perfect pairs. The center carved medallion sets off the beautiful antique Spanish brass pull. Has ample space for the average power unit but will not accommodate the large size Philco "A" and "B." Different type horn supplied on special requests to accommodate these large size units.

Outside Dimensions

Width, 30 inches. Height, 42 inches.
Depth, 20 inches.
Panel size, 9 x 24 inches or smaller.
The Intermezzo carries an air of refinement and elegance that distinguishes it from all the rest.

No. 94972
Complete With Unit
List $125.00
Each $75.00, Less 2½, or

THE HARRY ALTER CO., CHICAGO, ILLINOIS.

LONG AIR-COLUMN HORMS WITH UTAH UNITS

The popular demand today is for long-air column speakers that reproduce voice and song faithfully. These excellent tone chambers shown here come equipped with the fine Utah Unit. Dealers will do well to have them in stock as a demonstration will easily sell them. Sizes are given to show what space is required. Can be built into console or into any piece of furniture. Long extension cord permits placing of speaker away from set proper.

WITH REGULAR UTAH UNIT

No. Front Depth Air Column List Each
96616 20'x24½' 11½" 10 Ft. $22.00 $12.00

WITH UTAH DE LUXE UNIT

96617 20'x24½' 11½" 10 Ft. $20.00 $13.20
Smaller Size 5 Ft. Tone Chamber With Utah Unit
96618 21½x9" 12" 5 Ft. $18.00 $7.80
12 FT. TONE CHAMBER WITH DE LUXE UNIT
96619 42"x27" 16" 12 Ft. $30.00 $18.00

THE HARRY ALTER CO., CHICAGO, ILL.
WALNUT CONSOLE
For Electric or Battery Equipped Set

This entire console is finished in lacquer, hand rubbed to a smooth semi-dull surface, that characterizes all the better furniture. Top and ends are faced with beautifully figured walnut. Front is butt walnut, embellished with molded grille, carved wood moldings, overlays and turnings. Radio rests on sliding table. Furnished with plain panel.

No. 96760
List $85.00. Each $71.00. Less 2% or

$55.86
Net

WELL-DESIGNED
Commodious Console

Has ample space for most standard sets. Sliding table permits easy access to set. Top and ends are faced walnut. Beautiful molded grille. The entire console is finished in lacquer, hand rubbed to a smooth, semi-dull surface. Console presents a most striking appearance. Ample room for all power units. Furnished complete with horn and unit. Height 33 1/2", Width 32 1/2", Depth 18 1/2.

No. 96761
List $80.00. Each $53.40. Less 2% or

$52.33
Net

Here is a Fine Example of Superior Workmanship

This design is one of the most popular models and so nicely finished that it takes the eye of your customers immediately. A striking console profusely embellished with inlays and equipped with a decorative grille that is a stunning piece of craftsmanship. Will accommodate almost all standard radio sets. Sliding tray and blank panels to fit any set. Clearly this fine console is in a class by itself.

Height 51 1/4", Width 27", Depth 18 1/2.

No. 96762
List $87.00. Each $52.20. Less 2% or

$51.16
Net

A Popular Orthophonic Type Console

Probably no design has taken the public's fancy in such a degree as the orthophonic type console illustrated to the right. The hinged top lid gives easy access to the radio set. Furnished with blank panel. Carefully finished in lacquer, hand rubbed to a fine semi-dull finish of velvety smoothness. Height 43", Width 28 1/2, Depth 18 1/2 with Horn and Unit.

No. 96763
List $71.00. Each $42.60. Less 2% or

$41.75
Net

EACH CONSOLE EQUIPPED WITH BALDWIN RIVAL UNIT
DE LUXE CABINETS of EXQUISITE DESIGN

English Walnut Type

This cabinet with its massive doors distinctly suggests class. No cheap, flashy effect, but quality throughout. Every piece of wood is matched and the grain is very carefully selected for proper effect. The paneling of the door is done with exceptional attention to proper and detailed finish. Arm rest panel and "Full-Swing" doors are both added conveniences. It is equipped with 84-in. air-column horn.

Price Quoted Includes Baldwin Exponential Unit
No. 96765 List $122.00 Each, $73.75
Less 25% or
EVERY CONSOLE PRICED COMPLETE WITH BALDWIN RIVAL UNIT

Prominent Features of the DE-LUXE Cabinets

First we want to speak briefly on the wonderful appearance, the superb finish, the elegant lines presented previously in the line of Radio Consoles. Unfortunately, our pictures are unable to convey to you the excellent blending of the overlays with matched wood and the subdued, softened coloring of the two of the models. They are truly Masterpieces of cabinet work.

Constructional Features

All equipment is accessible through the front of the cabinet, a convenience that will be greatly appreciated by everyone. The doors on all cabinets swing entirely around, as they are equipped with "Full-Swing" hinges. The set fits into a sliding drawer (9x26x14 in.), large enough to accommodate the majority of the standard sets. An additional arm rest panel is included in the design. Ample space is provided for all batteries or power units.

Overall Dimensions: Height 52 in., width 29 in., depth 18 in.

84 Inch Air Column Horn

No effort has been spared to provide a splendid speaker of the new type long-air column type and exponential unit to provide that orthophonic type tone quality universally demanded.

THE 3 DE-LUXE CABINETS ARE EXCLUSIVELY DISTRIB-UTED BY HARRY ALTER IN CHICAGO

Tudor Mahogany Type

In this type the doors are beautifully embossed with a vase and flower design, which is further enhanced by a subdued, polychrome treatment. The lower door is made of specially grained, matched wood and paneled in a graceful way. The treatment of the legs and the stretcher are in complete harmony with the design.

Full 84" Air Column Speaker

For all dimensions and constructional data see general description above. The high-class long-air column horn with Baldwin Exponential Unit gives wonderful tone quality.

No. 96765, with horn and unit, List $132.75
Each $79.65. Less 25% or
PRICED WITH BALDWIN RIVAL UNIT

Italian Walnut Type

Suggestive of the stately Italian Renaissance Period. An original paneled door design that also has a spattering of polychrome coloring, subdued in such a manner as to give it antique characteristics. A Period model that will be a welcome addition to any type of room. The roomy set compartment (9x26x14 in.) will accommodate almost all standard sets.

OUTSIDE DIMENSIONS
Height 52", Width 29", Depth 16.5"

The well-designed legs are further enhanced by hand carvings and the graceful stretcher is in complete harmony with the style of the cabinet. Constructional features are explained in upper right panel.

No. 96766. Complete with Baldwin Exponential Unit. List $135.50. Each $81.30
Less 25% or
PRICED WITH BALDWIN RIVAL UNIT

THE HARRY ALTER CO. CHICAGO, ILL.
Genuine Newcombe-Hawley Consoles

With our full conviction and our complete backing, we unreservedly say that the Newcombe-Hawley Reproducers are the finest ever made. So much better, so much clearer in tone and so much greater is the frequency range, that a demonstration of these splendid consoles will always result in a sale. The low pitch, made possible by the 86-inch Tone Travels, gives all musical renditions a quality that surpasses anything so far offered.

All are equipped with genuine Nathaniel Baldwin Units

"Sonata" Console (Without Doors)
The Sonata Console provides space on both sides for all batteries, chargers, etc. Full 86-inch tone chamber with matched Nathaniel Baldwin Unit. Attractive grill work adds definite charm. Dealers don't be without this top seller. Height: 34 1/4 in. - width 36 1/4 in. - depth 18 1/4 in.

Drum Speaker
- No. 94995
- List $12.00
- Each $11.29
- Less 2% or
- $18.82

The Operetta Console is designed to fit the average table model radio. The Operetta does not accommodate batteries, as all space is taken up by the 86-inch tone chamber.

Operetta Console
- No. 94932
- List $35.00
- Less 40% or $21.00.
- Less 2% or...
- $38.22

Perfect Tone Chamber to accommodate batteries.

Full 86-Inch Tone Chamber with Baldwin Unit

A Cross Section of the New, Wonderful 86-Inch Horn

Probably the most outstanding acoustical development of this year is the Newcombe-Hawley Horn, fully 86 inches long and so perfectly shaped as to give absolute true tone reproduction. Exhaustive tests, conducted over a long period of time, finally resulted in this perfect tone chamber. Every Newcombe-Hawley Console comes equipped with this 86-inch horn and a genuine Nathaniel Baldwin Unit.

Dealers can obtain one of the 86-inch Tone Chambers bare, without console for demonstration purposes at $25.00 net with unit. Write for details.

SYMPHONIC CONSOLE
A console that will accommodate your set. Top opens up for easy access. Plenty of room for all batteries. Beautiful appearance and attractive walnut finish. Doors completely cover the grill and set. 86-inch tone travel and genuine Nathaniel Baldwin Unit. Wonderful tone reproduction. Height 44 inches, width 84 1/4 inches, depth 16 1/4 inches.

SYMPHONIC CONSOLE
- No. 94834
- List $275.00
- For Panel 28 x 8 inches or Smaller
- Net $189.99
- List $325.00
- For Panel 32 x 13 inches or Smaller
- Net $232.50
- Each $75
- Less 2% or
- $73.50
Three examples of extra fine treatment of the popular chest designs. If you want to show your customers an exclusive pattern, the ADLER-ROYAL models will admirably fill the bill. A most stunning walnut finish.

ADLER-ROYAL
Model 104
Here is a chest model that is ideal for the majority of sets. The set is placed in the sliding drawer type. Battery compartment is ample with a high grade wood horn and a genuine Baldwin Rival unit. The walnut finish is not of the ordinary kind but has the rich finish always associated with high quality furniture. Spanish type hardware in the center gives a stunning appearance. Overall dimensions: Height 52 1/4 in., Width 34 1/4 in., Depth 18 1/4 in.

No. 96631
List $121
Each $110
Less 2 1/2% or

$71 15/32
Net

Priced Complete With Baldwin Rival Unit

TWO NEW DESIGNS THAT SELL

Made by Showers
Model 445
A genuine walnut, four-way matched veneer console of the popular orthophonic type construction. Equipped with multiple air-column horns and most excellent unit. Universal in adaptability as it practically accommodates any set. Has fluted pilasters and top lifts for easy access to set. Sufficient space for all batteries and eliminator. The console that has captured the fancy of the radio trade. Get your sample now.

Top 18 x 30 in.
Height 43 in.

No. 96623
List $75
Each $50
Less 2 1/2% or

$44 10/32
Net

SHOWERS
Model 440
Beautiful walnut veneer, 5-ply. Comes with high grade 20-in. cone unit. Ample space for battery equipment. Top lifts for easy access to set. Will fit majority of sets. Very fine decorative grille arrangement. Cone has very fine quality of reproduction. An outstanding value from every standpoint.
Top 18 3/4 x 30 in.
Height 43 in.

No. 90092
List $48
Each $30
Less 2 1/2% or

$29 40/32
Net

With Large Size
Excellent Cone.
List $48
Each $30
Less 2 1/2% or

$32 34/32
Net

With Low Air Column Tone Chamber
List $55
Each $35
Less 2 1/2% or
SOMETHING STARTLINGLY NEW

AMPLIOGRAPH

THE PERFECT and COMPLETE
PHONOGRAPH PICKUP

Makes Combination Radio and Phonograph

Combinations of Radio Sets and Phonographs have opened up new and
immense aume possibilities for the radio dealer. The public demand for
an electric pick-up of phonograph records with the unique AMPLIOGRAPH
is taking greater proportions every day. The AMPLIOGRAPH with its new
and unique attachment allows the change from radio to phonograph
with merely turning a switch. Phonograph has no sound chamber and
the adapter for detector socket remains connected permanently. Not a
make-shift but a complete unit that can be attached to any radio
set. Volume control enables you to get sound from mere whisper
to full tone.

EVERY DEALER NEEDS IT

Every dealer needs an AMPLIOGRAPH as it enables him to demon-
strate sets at any hour of the day perfectly. No local interference to
near demonstration. Make two sales at one time.

IMMENSE PUBLIC DEMAND

The new interest in phonograph records is clearly shown by the demand
for new selections. Solicit your old set customers and you will find
that in many cases you can sell them this fine phonograph combination.
A demonstration in your store will not only help you sell radios but
will result in making two sales to the same customer.

SPRING TYPE MODELS

TABLE AND PICKUP

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
</table>
| No. 96770. Model 4 Complete with long attachment adapter. | $32.34 | AMPLIOGRAPH MODEL 4. Complete with long
attachment adapter. |

PORTABLE MODEL

This Model 4 can be placed in any room and records can be played anywhere in the house by turning on the adapter. The adapter can be connected to any record set, size 12 X 12, 16 X 12 and 12 X 12. Each $32.00.

AMPLIOGRAPH DRAWER

This model is designed to be used with any AMPLIOGRAPH which is available for sale. Each $32.00.

MOTOR DRIVEN MODELS

The above 3 models can also be furnished with the motor driven type. Each $32.00.

TABLE WITH AMPLIOGRAPH AND MOTOR

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
</table>
| No. 96772. Model 1A—List | $112.50 | G 들어진.

No. 96783. Model 1B—List | $55.00 | PORTABLE MODEL WITH MOTOR AND PICKUP

No. 96784. Model 1C—List | $61.00 | PORTABLE MODEL WITH MOTOR AND PICKUP

No. 96785. Model 1D—List | $82.50 | PORTABLE MODEL WITH MOTOR AND PICKUP

PAL PORTABLE PHONOGRAPH

The finest Portable ever made. Easy to take anywhere—touring, boating, camping, etc. Compact, easy to carry. It is superior in every way—in construction, durability, in tone quality. Has many exclusive features.

PALSSTANDARD

$52 Retail

Equipped with a heavy-duty double spring motor which plays three records with one winding. Carries latest type of tone arm and metal shielded reproducer. Large built-in speaker in record cabinet. Genuine Du Pont Fabri Chord with embossed border. 14 lbs. Supplied in black, blue or brown finish.


Each $12.95. List $25.00.

PALSJUNIOR

$55 Retail

With one type metal shielded reproducer and large built-in speaker in record cabinet. Plays four records with one winding. Du Pont Fabri Chord. 11 1/2 lbs. Supplied in black, blue or brown finish.

13 5/8 X 7 1/2 X 7 1/2.

Each $8.77. List $15.00.

KIDDIE PORTABLE $10.00 Retail

A real Port ail Phonograph for the kids, light, compact and sturdy built. Plays four records with one winding. Du Pont Fabri Chord. 11 1/2 lbs. Supplied in black, blue or brown finish.

13 5/8 X 7 1/2 X 7 1/2.

Each $6.00. List $10.00.

AS FINE A PRESENT AS YOU CAN GIVE FOR ANY OCCASION

THE HARRY ALTER CO., CHICAGO, ILL.

52
SILVER SHEIELDED SIX

COMPLETE A. C. OPERATION

The new Silver Six for A. C. operation uses four CX-326, one C-327 and one CX-371 Tube. A receiver with the finest tone quality and most up-to-date constructional features. SILVER-MARSHALL enables anyone to build an A. C. set this summer to give complete satisfaction. This is a special model with push-pull 371 power amplifier. Contains all parts necessary and operates with power pack No. 652A. This Kit is ready for immediate shipment.

SILVER SHEIELDED SIX FOR A. C. OPERATION

No. 9696 Type 630AC List $99.00 Each $59.00

POWER PLANT

No. 96997 655A-Unwired List $36.50 Each $21.90
No. 96998 656A-Wired List $40.50 Each $24.30

SILVER-MARSHALL RESERVOIR "B"

Tubes needed for this "B" power supply are the CX313 rectifying tube and CX374 Glow Tube. Contains all necessary parts. No "motorboating" will be experienced with the 655 unit. Complete instructions with kit.

1 S-M 329 Power Transformer
1 S-M 321 Uniboke
1 S-M 322 Condenser Bank
2 S-M 311 Tube Socket

Power Plant

No. 93484 Complete List $34.50 Each $20.70

Less 2% or...

$20.29 NET

SILVER-MARSHALL

3-M635 SHORT WAVE KIT

Range 18-150 meters. Contains set of Plug-in Coils, coil socket, antenna, coupling condenser and pair of tuning condensers. With instruction book. No. 93363 Complete Kit List $23.00 Each

$13.80 NET

SILVER-MARSHALL UNI-PACKS

S-M "UNI-PACKS" are Push Pull Power Packs, contained in attractive crakle-brown steel cabinets. They are the peer in their respective field. Universal application as phonograph amplifier, two-stage amplifier, "B" supply and will also be supplied as complete ABC power supply for new A. C. Tubes (special model). Complete circular supplied on request.

660-210 UNIPACK

Uses 2 316-B (or 381), 1 CX-374, and two 310 Power Tubes. Price list Tube.
No. 96842 UNWIRE List $83.25 Each $49.95
No. 96843 COMPLETELY WIRED List 93.25 Each $55.95

660-171 UNIPACK

Uses 85 Mil. Q. R. S. Rectifier, 1 CX-374 and 1 CX-371 Tubes. Price list Tube.
No. 96844 UNWIRE List $64.00 Each $38.40
No. 96845 COMPLETELY WIRED List $74.00 Each $44.40

We can also furnish Blocks and Resistors separate

S-M 440

Jewelers Time Signal AMPLIFIER

Consists of 3-stage T. R. F. amplifier and detector. Completely wired and sealed in copper case (10" x 5" x 3") and tuned to 112 K. C. (977 meter wave length of Arlington Station). Uses 301A tubes. No. 96846 List $35.00 Each $21.00

NEW SILVER SUPER

COMPLETE KIT

1 Van Dorn Panel and Chassis with hardware
1 Carter .0015 Condenser with Clips
1 Carter 200 ohm Potentiometer
2 Tube .6 mfd. By-pass Condensers
1 Carter 3 ohm Rheostat
1 Carter Tip Jacks, No. 10
1 Carter Battery Switch
Tube 3 marshan Grid Leak
2 Silver-Marshall Audio Transformers, No. 220
4 Silver-Marshall Sockets, No. 571
2 Silver-Marshall Drum Diode, No. 500
1 Silver-Marshall R. F. Choke, No. 272
1 Silver-Marshall Condenser, No. 341
1 Silver-Marshall Time Signal Amplifier, No. 440
2 Silver-Marshall Coil Sockets, No. 615
2 Silver-Marshall Coils, No. 111A
Silver-Marshall .005 mfd. Variable
9 X-L Binding Posts

No. 96847 Complete with Constructional List $36.50

Each $43.84

S-M 440

Jewelers Time Signal AMPLIFIER

The new 1927-28 SILVER-SUPER incorporates the 440 Time Signal Amplifier. This circuit is fully described in the September issue of Citizens' Radio Call Book and Radio Broadcast. The performance of this circuit is positively a revelation. Selectivity shows a clear separation on 10 K. C. bands. The Silver-Super is a big seller and will give satisfaction.

STAGE SHIELDS

Size 7¾ in. x 5 in. x 3¼ in. Used in Super.
No. 96885 List $3.00 Each $1.20

COMPLETE INFORMATION ON S-M PRODUCTS SENT ON REQUEST

THE HARRY ALTER CO., CHICAGO, ILL.
TYRMAN
Laboratory Tested Products and Tyran Ten

THE TYRMAN TEN is the final word in radio receivers and fulfills the want for those who demand selectivity, stability and beauty of appearance. Tested under the most severe conditions, the Tyrman Ten allows a clear 10 K. C. separation with confining of all necessary fields. And we assert, the tone quality is second to none.

RADIO'S MOST POWERFUL SET
The use of the patented Kurz-Kasch Capacity Connector not only stabilizes the circuit but also eliminates appr. 90% of wiring. It also makes each set a duplicate of the laboratory instrument. Everyone is assured success with this perfected receiver.

TYRMAN AUDIO TRANSFORMERS
Truly a new achievement in tone and volume. An acoustic achievement. The combination of three units is recommended where volume with most faithful reproduction is desired.

No. Type List Each
96770 3-30 S-11 Transformer. $ 8.00 $4.80
96771 3-50 Power Input .......... 10.00 6.00
96772 3-51 Power Output ...... 10.00 6.00
Designed for use with Capacity Connector

Tyman T. R. F.
Transformers
R. F. Transformers are the substance of all sets. Tyman's are the result of systematic laboratory research. Enclosed in high grade bakelite casing and designed for terminals of K. K. Cap. Connector.

No. 96773 Type 8-70 209-560 mtrs.
List $4.60 Each $2.40
No. 96774 Type 8-71 160-380 mtrs.
List $4.00 Each $2.40
No. 96775 Type 8-80 Long Wave.
List $7.00 Each $4.20

Complete Parts for
TYRMAN TEN
2 Tyrman Type 8-70 R. F. Transformers
1 Tyrman Type 8-71 R. F. Transformer
4 Tyrman Type 8-30 R. F. Transformers
1 Tyrman Type 3-30 Audio Transformer
1 Tyrman Type 8-30 Power Input Transformer
1 Tyrman Type 8-30 Power Output Transformer
1 Tyrman Verrier Drum, double
10 Tyrman Shielded Sockets
1 Kurz-Kasch Capacity Connector
7 7x26 Front Panel, drilled & decorated
7 7x26 Sub Panel, Ivory Bakelite
2 Benjamin Brackets
3 Carter 1 mfd. Condensers
1 Carter 1 mfd. Condenser
1 Carter .00025 Mica Condenser
1 Carter .001 Mica Condenser
1 Yaxley No. 669 Cable Connector, complete
1 Durham 3 Meg. Resistance with mounting
1 Carter Filament Resistance 1½ amp. 5 v.
1 Carter Filament Resistance 1½ amp. 5 v.
1 Yaxley 200 ohm Potentiometer
2 Hammond 50 mfd. Mica Condensers
1 Carter 23 ohm Rheostat with Switch
2 Eby Binding Posts
1 Yaxley No. 7200 Grid Resistance
1 Camfield .00035 Condenser No. 351
1 Camfield .00035 Two-Gang Condenser
1 Set of Hardware & Wire

Cost $82.96
Net

FLEWELLING SUPER S
Speed in assembly and excellence in performance have made the FLEWELLING SUPER S an outstanding favorite during this season. Send for complete information.

COMPLETE KIT
4 Flewelling Long Wave Transformer .... $24.00
1 Flewelling T. R. F. Transformer ... 6.00
2 Flewelling Audio Transformers 22.00
1 Flewelling Sub-Panel with Cap Connector 17.50
2 Hammarlund .0005 Condensers 11.00
1 Hammarlund .005 Condensers 1.75
2 Benjamin Brackets .14.00
1 Carter Switch 1.00
1 Carter 800,000 ohm 2.25
9 Fly Post 1.35
2 1 Amp. Amperettes 2.20
1 .0022 Grid Cond. 4.5
1 .001 Condenser .60
1 .0005 Grid Cond. 4.5
2 2 Mfd. Diaphones 1.20
2 1. Tole 1.25
2 Kurz-Kasch Dials 4.00

FLEWELLING SUPER S
No. 97106 Complete Kit
List $97.95 Each $58.77 Less 2% or

$57.60

THE HARRY ALTER CO., CHICAGO, ILL.
NEW 1927-28 LINES

REMLER R. F. AMPLIFIER and ANTENNA COMPENSATOR
Incorporates 2 stages of R. F. Amplification and detector. Entirely enclosed in sheet copper case. Designed for simple dial control. Includes also solenoid coils, 3 in line condenser, 3 sockets and special resistances.

Type 710 List $35.00 Each $33.00

INFRADYNE AMPLIFIER NO. 700

No. 92867 List $27.50 Each $16.50

INFRADYNE FOUNDATION KIT
Includes the following: Etched control panel, instrument panel, 2 drum dials, 1 Twin Rotor Condenser, 4 sockets, 3 choice coils, one special coil, all fixed condensers, Jacks, switches, wire and battery cable. Also complete instruction and schematic wiring diagram. Complete.

No. 98649 Type 750 List $52.00 Each $31.20

Additional Parts Required
2-SM No. 220 Transformers
1-SM No. 221 Transformers
1-Jewel 0.5 Voltmeter No. 135

REMLER INFRA-DYNE CABINET
Copper cabinet, embossed in two-tone brown crystalline enamel and decorated wood base. 2-SM No. 96841 List $15.00 Each $9.00

COMPLETE 5-TUBE 2-DIAL T. R. F. KIT
A complete kit, carefully assembled with attention to all details. This kit comes in a special container and is very easy to connect. Two-dial control. Very selective and steps out for real distance.

COMPLETE KIT
1 Engraved Front Panel
7" x 15" x 1/8"
1 Sub Panel 6" x 17" x 3/8"
1 Bakelite Sub Base Brackets
2 Art Dials
2 Midget Condenser, 7 plates
1 Centraline Condenser
1 Double Centraline Condenser
2 3½ to 4 Audio Transformers
4-ohm Rheostat
Rheostat
12 Nickel Plated Brass Binding Posts
1 Antenna Coll

No. 96942 Complete Kit
List $32.50 Each $19.50

$19 11

ESSENTIAL KIT
Consists of 1 single, 1 double, 1 midget condenser, 3 new type coils and complete instructions.

No. 94595 Complete Kit
List $9.50 Each $5.70 Less 2½%

THE HARRY ALTER CO., CHICAGO, ILL.
H F Units are most highly endorsed by the leading magazines and have received wide publicity in Radio magazines such as Citizen's Radio Call Book, Radio Age and others. They are perfectly matched, skillfully designed and rigidly tested. H F L Units are a joy to see and joy to hear.

The new circuit is considered one of the most powerful receivers ever designed. The compact receiver makes a very neat appearance and is remarkable in regard to performance and distance getting ability. We can furnish the units separate or in the complete kit form.

H F L Nine-In-Line

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List Exch</th>
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<tbody>
<tr>
<td>97054</td>
<td>H210</td>
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<td>H215</td>
<td>$4.80</td>
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<td>97056</td>
<td>C16</td>
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<td>C26</td>
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<td>L425</td>
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</tr>
<tr>
<td>97060</td>
<td>L430</td>
<td>$3.30</td>
</tr>
</tbody>
</table>

Complete H. F. L.

ASSEMBLY

COMPLETE KIT

3 H.F. No. H. 210 Transformers
2 H.F. No. H. 215 Transformers
2 H.F. No. C. 16 Transformers
1 H.F. No. L. 425 R. F. Choke Unit
1 H.F. No. L. 430 R. F. Transformer
1 H.F. No. C. 25 Output Transformer
9 Benjamin Sub-Panel Sockets No. 9044
2 Remler Drum Dials
Remler .005 Variable Condensers
1 S. M. No. 340 Midget Condenser
1 Pr. Benjamin No. 8629 Brackets
2 MFD. Carter By-Pass Condenser
1 Carter or Tobe .005 Condenser
2 Carter or Tobe .002 Condensers
3 A Amperite
1 Jones Multi-Plug
1 Carter 6 Ohm Rheostat with Switch
1 Carter 6 Ohm Rheostat without Switch
6 Carter Pup Jacks
1 7x26 in. Formica Front Panel, Drilled and Engraved
1 8x24 in. Formica Sub-Panel, Drilled
1 Carter 200.000 Ohm Volume Control
1 Set of Wire, Hardware, etc.

COMPLETE KIT

$65.95

CAMFIELD DUOFORMER SEVEN


COMPLETE KIT

CAMEFIELD No. 97062

Price $62.67

Balsa Wood Producer

Our Complete Kit enables you to build the fine reproducer with the marvelous sounding board made of Balsa Wood. Kit contains all necessary strips of Balsa wood, hardwood for frame, 1 bushing to drive rotor, 1 half inch balsa and brass and screws. Directions for assembly are enclosed. Can be put up in very attractive ways as freestand screen, picture and surface can be decorated in various modifications. Two sizes.

<table>
<thead>
<tr>
<th>No.</th>
<th>Kit</th>
<th>Size</th>
<th>List</th>
<th>Each</th>
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<tbody>
<tr>
<td>97065</td>
<td>No. 1</td>
<td>12 x 24 in.</td>
<td>$8.00</td>
<td>$5.25</td>
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<tr>
<td>97066</td>
<td>No. 2</td>
<td>21 x 36 in.</td>
<td>$8.00</td>
<td>$5.25</td>
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<tr>
<td>97067</td>
<td>Bat. Armature Unit</td>
<td>8.00</td>
<td>$5.25</td>
<td></td>
</tr>
</tbody>
</table>

Drake Cyclopedia

A most comprehensive book relating to all phases of radio. Profusely illustrated. No. 6848. List $6.00 Each $4.50

AERO SHORT WAVE KIT

Interest in Short Wave Reception opens up new sales possibilities for the radio dealer. The AERO Kit has given assured satisfaction and the complete kit now furnished with official Foundation Unit makes it easy to get good results. Adopted by leading experts and amateurs throughout the country. Completely interchangeable. Employs three 301A Tubes.

COMPLETE KIT

1 AERO Foundation Unit for Short Wave
2 AERO Short Wave Tuner
1 AEREO R. F. Choke Coil No. 90
2 National Style B Diats
1 Amoco .0004 Condenser
1 Amoco .0025 Condenser
1 Amoco .005 Condenser
1 York 25-ohm Rheostat
2 Silver-Mahans No. 611
1 Socket
1 Benjamin Socket

No. 97063 List $45.85 Each $2.35

For Additional Interchangeable Parts, See Page 60

WRITE FOR DETAILS ON AERO TRANSMITTER

$27.98

$45.85

$2.35

$2.35
HARRY ALTER'S
RADIO BOOK
DEC., 1927

VICTOREEN

"UNIVERSAL" SUPER 8

WRITE FOR INFORMATION ON THE VICTOREEN POWER PACK

COMPLETE KIT
Including Jewel Meter

1 Victoreen Master Control
2 Victoreen Intermediate Transformers, No. 170
3 Victoreen Audio Control Unit
4 Victoreen No. 6 8-ohm Rheostat
5 Victoreen No. 2 2-ohm Rheostat
6 Victoreen No. 160 Antenna Coupler
7 Victoreen No. 400 400-ohm Potentiometer
8 Victoreen No. 150 Oscillator Coupler
9 Jewel No. 135 Voltmeter (0-8)
10 Tube .001 mfd. Fixed Condenser
11 Tube 1 mfd. Condenser
12 Tube .005 mfd. Grid Condensers
13 Tube .0025 mfd. Grid Condenser
14 2 Durham 2-meg. Grid Leaks
15 Victoreen Audio Unit
16 Frost No. 330 Sockets
17 2x20x1/2 Formed Drilled and Eng. Panel
18 Wood Baseboard 10x4x25x1/2
19 Formica Strip 6x1/4x1/2
20 Formica Strip 5x3/4x2
21 Carter Filament Switch
22 Carter No. 60 Jack Switch
23 Eby Engraved Binding Posts
24 Jones Type BM Multiplug
25 S-M Type B Dial
26 Assortment of wire, lugs, screws, nuts, etc.

VICTOREEN POWER PACK

VICTOREEN 112 AUDIO UNIT contains two stages in one case and is designed for use with 112 power tube. Handles up to 400 volts of "B" battery supply. Incorporates wide total range and freedom from distortion.

No. 97024 List $22.00 Each $13.20

VICTOREEN TRANSFORMERS

The 3 units necessary are all matched in appearance, making for uniform panel layout. All transformers are adjusted and sealed before leaving the factory. It is not necessary to shield any units.

No. List Each
95033 R. F. Transformer No. 170. $7.00 $4.20
95034 Coupling Unit No. 150 . . . . 5.50 3.30
95035 Antenna Coupler No. 160 . . . . 3.50 2.10

VICTOREEN POWER PACK

Employ double wave rectification and supplies much smoother output. Complete

1 Victoreen 116 Power Transformer
2 Victoreen 216 Choke
3 Tobe 3 MFD No. 602 Condenser
4 Tobe 4 MFD No. 604 Condenser

3 S-M CX Sockets
1 Binding Post Strip
1 Viclron 115 Output Unit
1 Tube No. 302 Cond.
6 Eby Binding Posts

$43.07

VICTOREEN MASTER CONTROL UNIT

This control unit is furnished with our kit, but it can also be used to convert the previous models into one-dial controls.

No. 95036 Complete with Unit. List $19.50 Each $11.70

VICTOREEN AUDIO CONTROL UNIT

The audio control consists of three 30-ohm Rheostats. For power tube one rheostat must be changed to 10 ohm.

No. 95087 Complete as shown. List $4.50 Each $2.70

WORLD'S RECORD SUPER 10

Radio's most powerful receiver. Incorporates many new features that give it keen, non-critical selectivity and remarkable distance getting ability. It has tremendous undistorted tone volume. This is the newest model tone and is very easy to assemble. Everything necessary is included in our complete kit.

COMPLETE KIT

2 Selectone Transformers Type B500
2 Selectone Transformer Type B510
Selectone R. F. Transformers Type B520
Selectone Antenna Coupler Type B530
Selectone Oscillator Unit Type B540
Remler 00035 Mfd. Var. Condenser
Remler Universal Drum Dia No. 110
Remler R. F. Chokes No. 33
Thordarson Audio Tran. Type R500
Thordarson Output Transformer R76
Carter Imp 400-ohm Potentiometer
Carter Heavy Duty Rheostat, 1-ohm
Carter 15-ohm Rheostat with Switch
Carter 30-ohm Imp Rheostat
Carter Tip Jacks

10 Benjamin Sockets
1 Carter 00025 Mfd. Grid Condenser
1 Carter .002 Mfd. Fixed Condenser
1 Carter .001 Mfd. Fixed Condenser
1 Carter .0001 Mfd. Fixed Condenser
1 Carter .0001 Mfd. Fixed Condenser
1 Pair Benjamin Brackets No. 8529
3 Tube 1 Mfd. By-Pass Transformers
1 Durham 3-Meg. Cond. Leak
1 Jones 10-Wire Multiplug
1 Jewel .01 Pat. Voltmeter No. 135
1 Formica Eng. and Drilled Panel
(7x20x5-10)
1 Formica Drilled Base (10x25)
4 XL Binding Posts
1 A.M. or C.C.W.R. lugs, Kester solder.

$84.77

MATCHED SELECTONE UNITS

No. Matched Selectone Units
97986 Selectone B-500 Intermediate Freq. Trans. $6.00
97987 Selectone B-500 Intermediate Freq. Trans. $6.00
97988 Selectone B-520 R. F. Transformer $6.00
97989 Selectone B-330 Antenna Coupling Unit $3.00
97990 Selectone B-540 Oscillator Unit $3.00

$142.45

"B" SUPPLY FOR WORLD'S RECORD 10

Use the following power pack to drive the Record 10.

COMPLETE KIT

1 Thordarson No. 2090
1 Carter S-20M Rem.
1 Tobe B-210 Back

$57.05 Each $34.33

WORLD'S RECORD SUPER 8

Supplied with perfectly matched sets of Selectone Transformers. Complete information sent on request.

COMPLETE KIT

2 Remler Condensers, No. 631
1 Marmariad Midget Condenser .00050
1 Selectone Transformers B400
2 Selectone Transformers B410
1 Selectone Oscillator Coupler No. 340
2 M. Audio Transformers No. 220
2 Benjamin Sockets
2 Tube By-Pass Condensers 1 Mf.
1 Carter Fixed Condenser 00002
1 Carter HB Ohm 500,000 ohms
1 Carter 1250
1 Carter 1850
1 Carter 1899
1 Carter Fixed Resistance 1 1-3 ohm
3 Carter Tip Jacks No. 10
1 Carter Jack No. 1
3 XL Binding Posts
2 Reel-90 Jack Dials
2 Bakelite Panel 7x24x3-10
1 Jones Multiplug, 4 foot Cable
Blue Print
1 Assortment of Wire, Lugs, etc.

$48.26 NET

SEELECTONE TRANSFORMERS

No. 97992 List $81.00 Each $49.25 Less 2 1/2 %

THE HARRY ALTER CO., CHICAGO, ILL.
The official BROWNING-DRAKE Receiver is the culmination of extensive research and represents the highest type of kit ever offered to the radio public. Marvelous testimonials attest to the great public approval. Complete book of instructions makes it easy to finish the receiver and the official parts and the layout will assure every builder same results as obtained from laboratory model. We strongly recommend this circuit.

BROWNING-DRAKE PARTS

The following official B-D parts can be supplied separately.

**BROWNING-DRAKE KIT consisting of antenna system (coil mounted on .0005 National Condenser, with illuminated dial) and Regensformer system (B-D Transformer, .0005 National Condenser with illuminated dial).**

No. 95013
List $25.00 Each $9.00

**BROWNING-DRAKE FOUNDATION UNIT including drifted and engraved front and base panel, self-contained sockets, resistance clips and other small parts.**

No. 95011
List $15.00 Each $9.90

**BROWNING-DRAKE NEW TYPE NEUTRALIZING DEVICE.**

No. 95012
List $1.00 Each $.60c

**BROWNING-DRAKE 33 Ohm Resistance.**

No. 95013
List $.25 Each $.15c

**BROWNING-DRAKE Booklet.**

No. 95014
List $.25 Each $.16c

**BROWNING-DRAKE ILLUMINATED DRUM DIAL.**

No. 97088
List $1.50 Each $1.00

Regular Circuit

This is the standard official kit as brought out by the Browning-Drake Corporation. It is based on a new and standard design by Prof. Browning, incorporating all the refinements made possible by the research of the past two years. The popularity of this circuit is world-wide and this new design is more selective and even more sensitive than the previous models. Kit is supplied with full constructional data.

**COMPLETE KIT**

1. Browning-Drake Kit. Instructions contained (Browning-Drake Corporation)
2. Foundation Unit, consisting essentially of micarta front and back panels, drilled and engraved with sockets, resistor clips, and other small parts. (Browning-Drake Corporation)
3. National Impedapler (1st stage only)
4. National Impedapler (3rd stage only)
5. 1. Tube Condenser, special type
6. 3.000 Tinytobe Fixed Condensers

No. 95008 Complete with constructional data.

List $60.00
Less 33% 37.95
Less 2% 37.72

**$36.19**

Net

NATIONAL RADIO PRODUCTS

**NATIONAL IMPEDAPLER TYPE "B"**

This unit combines the regular choke coil, 0.1 MFD Condenser and Grid Leak in a single unit. First stage includes R. F. Choke Coil. In the 3rd stage the Impedance or "Choke Coil" is placed in grid circuit.

**IMPEAPAFLER "TYPE A"**

The Type "A" serves the same purpose as above and is furnished for the two stages.

**NATIONAL TONE FILTER**

Protects Speaker from excessive B battery current. Contains impedances of proper value and condensers. Attractive case. Furnished with 2 foot phone cord.

**NATIONAL FILAMENT TRANSFORMER**

For use with the new A.C. (326) Tubes. Reduces the former "A" battery. A trouble free transformer.

**DIALS TYPE C**

Fits any standard condenser with a 5/16 in. shaft. Have interchangeable ratio of from 6-1 to 20-1. Type C is the illuminated dial which lights up the dial. Complete with bulb.

**NATIONAL "B" TYPE 7180**

A strikingly heavy duty unit which has an output rating of 70 Mill. at 180 volts. Designed for operation with CX 380 tube. Insulated terminals are conveniently located at the top on a sloping panel for easiest connection. Finished in black crystaline lacquer. Less tube.

No. 97053 . . . List $40.00 Each $24.00
KARAS

The New Type 28 AUDIO Transformer

This new KARAS is scientifically impregnated and has a life-time, screw-post, plastic sealed case. Give clear, full, undistorted reproduction. Horizontally sealed. Provided with extra long soldering lugs. Finished in polished black case. The finest low-loss transformer.

$4.80

The New KARAS Output Filter

Sweetens and clears tone qualities, prevents demagnetization and eliminates loud speaker chattering. Has new specially designed choke of 100 henry and large capacity paper condenser. The result is improved performance that is not only perfect but permanent.

$4.80

KARAS Harmonic A.F. Transformer

A high-grade, all stage audio frequency transformer that has given the dealer and set builder entire satisfaction. Because of their careful, scientific design they amplify all of the overtones and harmonics.

$3.00

KARAS Equamatic R.F. Transformer

The 3 coils for building Equamatic Receiver are packed in a carton with all necessary diagrams and also screws and nuts. Very accurately matched.

KARAS Retard Coil

$1.00

New KARAS Micrometric Dial

Tunes with a smooth, velvety action without any backlash. Vernier ratio is 63 to 1. Outside diameter 4 3/4 in. The most efficient vernier dial on the market.

New S. L. F. Condenser

The New Karas S. L. F. Condenser has a removable shaft allowing for subpanel, baseboard or single hole mounting from either side, permitting use of 9-100 or 10-0 dials. Equipped with high grade cone-type pressure bear. ngs. They are precision built, scientifically engineered and nicely finished.

COMPLETE KIT

$577.20

"ABC" POWER UNIT

For 350 Mil. Raytheon Tube

Raytheon with its new 350 Mil. B A Tube has established a new standard. Incorporated now in the great many nationally advertised sets. Let us send you information on this new and efficient Power Unit. Caution: 301-A tubes must be wired in series.

COMPLETE KIT

$36.28

RITCO RADIO

RITCO AUDIO 45/2 to 1

A good substantial audio with a sufficiently high impedance to give full, unstrained amplification. Careful insulation. Well constructed. No. 97917...List $2.00 Each $1.00 Less 2%

OUTPUT

Protects the loud speaker. Ratio of 1 to 1. Permits maximum voltage without limiting coil. No. 97918...List $2.25 Each $1.30

RITCO R. F. CHOKE

66 Millihenrys

Has full rated inductance and minimum distributed capacity. Resistance 215 ohms. No. 97920...List $1.50 Each $1.00

30 HENRY CHOKE

Designed for B Eliminator work. Current capacity 75 Mill. Completely shielded. No. 97921...List $2.00 Each $1.00

100 HENRY CHOKE

For impedance coupling, amplification. Diagram of hook-up enclosed with each unit. No. 97922 1st Stage...List $2.00 Each $1.10

TYPE BR STEP-UP TRANSFORMER

For B Power Unit. With cord and plug for connection to A. C. lighted circuit. Designed for use with Raytheon tube. Capacity 60 Mill. Two 50-Henry Chokes. Type BR and condenser make up "B" Eliminator. No. 97923...List $5.00 Each $2.45

KARAS Type 28 Audio Transformer

New KARAS Output Filter

New KARAS Micrometric Dial

New S. L. F. Condenser

NEW 1927-28 LINES KARAS

2-Dial Equamatic

A completely balanced and perfectly neutralized circuit. It insures easy tuning and marvelously simplified control. New 2-dial model with 24-in panel. Uses the Micrometric Dial with a vernier ratio of 63 to 1. The building of this receiver is extremely simple. We supply complete, easily understood instructions. Both front and subpanel come to you fully dried.
AERO COIL
SUPER-SENSITIVE

AERO UNIVERSAL TUNED RADIO FREQUENCY KIT

Kit consists of 4 twice-matched units for improved AERO-dyne. one Antenna Inductance and 3 R. F. transformers. Adaptable to 301A, 72, 200 and low A. C. tubes. A kit that will make any circuit better in selectivity, tone and range. Greatest receiving efficiency.

For 0.005 Condenser
No. 96800 Type U-16 List $15.00 Each $5.00
For 0.0035 Condenser
The use of .0005 condenser is recommended, but a kit for special purposes using .0035 cond. is furnished.
No. 96802 Type U-163 List $15.00 Each $9.00

AERO UNIVERSAL R. F. KIT
(For Aero Seven)

3 matched R. F. Transformers, wound on bakelite-skeleton forms. Each kit matched.

For .0005 CONDENSER
No. 96803 Type U-12 List $12.00 Each $7.20
For .00035 CONDENSER
No. 96804 Type U-123 List $12.00 Each $7.20

AERO UNIVERSAL 3-CIRCUIT TUNER

Improve your set by installing this new Aero coil. Low loss characteristics. Equipped with variable primary for governing selectivity.

For .0005 CONDENSER
No. 96805 Type U-85 List $4.00 Each $2.40
For .00035 CONDENSER
No. 96806 Type U-553 List $4.00 Each $2.40

AERO R. F. REGENERATIVE KIT

Consists of Universal R. F. Transformer and 3-circuit tuner. Any set built along these lines can be made more efficient by substituting this set.

For .0005 CONDENSER
No. 96807 Type List Each 96807 U-95 $5.00 $4.80

AERO SEVEN

10-Kilicycle Selectivity

The new Aero Seven is one of the outstanding kits this fall. There is a tremendous demand for this kit and the results obtained by set builders are really phenomenal. A highly efficient 7 tube set that is certainly worth your while to feature.

COMPLETE PARTS
1—Aero Seven Foundation Unit
1—Aero TRF Kit Code U-12
1—Aero Choke No. 60
1—Silver Marshall Drum Dial
1—Carter Battery Switch, No. 10
1—Carter 200-ohm Potentiometer
1—Carter 6-ohm Rheostat
1—Carter H-1 5000 Resistor
1—Carter H-1 Resistor
1—Carter .0025 MF Condenser

No. 96816. List $59.20—Each $35.12—Less 2 1/2% or

AERO SHORT WAVEKITS

Aero has been a pioneer in the manufacture of short wave and transmitting coils and thousands of users attest to their reliability.

TYPE LWT-125 TUNER KIT

Range 15 to 130 meters. Completely interchangeable. Includes 3 coils and base mounting. Uses .00014 condenser on secondary and .0002 on feed back control. No. 96817 Kit Type LWT-125 List $12.50 Each $7.50

TYPE INT. and 5 INTERCHANGEABLE COIL

Combined ranges of these two coils 125 to 130 meters. Use same condensers as short wave outfit.

No. Type Range List Each
96818 4 25 to 525 Meters $4.00 $2.40
96819 3 235 to 525 Meters 4.00 2.40
TYPE INT. ZERO

INT. 13 to 20.4 Meters

4.00 2.40

AERO TRANSISTORS

Very efficient transmitting inductance system for the amateur. Used in connection with Short Wave receiver. Complete information on request. We can supply all parts, including complete constructional data.

KIT NO. 2040 K
Range 15.5 to 52 meters. Kit includes also 2 mounting bases and 2 choke coils.
No. 96821 Range 15.5 to 52 meters List $12.00 Each $7.20

KIT NO. 4058 K
Range 36 to 90 meters, complete. Includes 2 mounting bases and choke coils.
No. 96822 Range 36 to 90 meters List $12.00 Each $7.20

KIT NO. 9013 K
Range 72 to 190 meters. Choke coils and mounting bases.
No. 96823 Range 72 to 190 meters List $12.00 Each $7.20

BROKEN KITS SUPPLIED AS FOLLOWS

No. Type Range List Each
96824 2040-C 15.5-52 $4.00 2.40
96825 4058-C 36-90 4.00 2.40
96826 6018-C 75-150 4.00 2.40
96827 PR1200 Ant. M. Base 3.00 1.50
96828 CH1100 Grid. M. Base 1.00 0.50
96814 244 Choke Coil 1.50 0.75
BROWNING-DRAKE COILS

The Browning-Drape is very popular. These coils are the new space-wound, enameled wire type as specified in current hook-ups. Set consists of Regenformer and inductance. No. 93331... . . . . 6.90 Each $3.50

THREE CIRCUIT TUNER

A very efficient 3-circuit tuner, wound on Bakelite form. For use with .0005 condenser. No. 93471 List $2.50, Each $1.17

2% DISCOUNT IF EİTH ER Cash or COD

BIRNBACH

"60" and "180" TUNERS

Wound on colored Bakelite. Give long range, tone quality and distance. Tuning range 290 to 550 meters. For .0005 Condensers.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
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<tbody>
<tr>
<td>97069</td>
<td>No. 60—3-Circuit Tuner</td>
<td>$2.00</td>
<td>$1.20</td>
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<tr>
<td>97070</td>
<td>No. 60—R. F. Coil</td>
<td>1.25</td>
<td>.75</td>
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<tr>
<td>97071</td>
<td>No. 180—R. F. Coil (Large)</td>
<td>3.50</td>
<td>2.15</td>
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<tr>
<td>97072</td>
<td>No. 180—R. F. Coil (Large)</td>
<td>1.50</td>
<td>.90</td>
</tr>
</tbody>
</table>

SOVEREIGN KITS

Change Present Sets Into Batteryless Receivers

By using Sovereign A-C Tubes, a specially prepared kit, and any standard "R" Eliminator, you can convert your present set into a Light Socket Batteryless Receiver. The Sovereign Tube is designed to eliminate the "A" battery, gives greater amplification, is absolutely non-microphonic and the current consumption in a 4-5 tube set is about the same as a 25 watt lamp. This tube is applicable to any type of receiver but slight modifications in the circuit. In every case explicit directions will be supplied, making it easy for anyone to change the set over for the use of Sovereign A-C Tubes.

SOVEREIGN A-C TUBES

Tests have shown an average life of 1000 to 2000 hours. The electron emission is practically constant for the life of the tube. Can be used on either 25 or 60 cycle, 110 volt A-C current. Filament current 1.1, maximum plate voltage 140 volts.

| No. 94050 | Detector and Amplifier Type | List $5.00 | Each $3.25 |
| No. 94051 | Power Tube | List $6.00 | Each $3.90 |

SOVEREIGN A-C KIT

The Sovereign A-C kit consists of Special Heater Transformer, Power Rheostat, Power Switch, Oscillation Control and Blue Prints and Directions. All kits are thoroughly tested.

| No. 94052 | A-C Kit, 110 volt, 60 cycle | List $8.75 | Each $5.60 |
| No. 94053 | A-C Kit, 110 volt, 25 cycle | List $9.75 | Each $6.34 |

An O-A-A, C Voltmeter can be secured separately. In ordering, specify voltage, cycles, type of circuit and number of tubes.

BRING OLD SETS UP TO DATE by Converting them INTO BATTERYLESS RECEIVERS

BODINE TWIN-EIGHT TUBE COILS

TREMENDOUS AMPLIFICATION is assured by the use of the efficient BODINE Twin Eight Coils. Twin Eight can be substituted for other coils in any A-C set with great improvement in performance. They are also used in the BODINE FIVE-TUBE Twin Eight Receiver, for which we can supply a complete kit. The Twin Eight 4-Tube Set has received the highest approval in this set and is used in the Phasor Units. Complete information on request. We can supply matched set of 3 coils. Specify when you want a matched set.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Condenser</th>
<th>List</th>
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<tr>
<td>94988</td>
<td>T35</td>
<td>.00035</td>
<td>$2.00</td>
<td>$1.20</td>
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<tr>
<td>94989</td>
<td>T35</td>
<td>.00035</td>
<td>$2.00</td>
<td>$1.20</td>
</tr>
<tr>
<td>94991</td>
<td>T23</td>
<td>.00025</td>
<td>2.00</td>
<td>1.20</td>
</tr>
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FOR USE WITH PHASOR TUBE COIL

<table>
<thead>
<tr>
<th>No. 94999</th>
<th>Type</th>
<th>Condenser</th>
<th>List</th>
<th>Each</th>
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<tbody>
<tr>
<td>94999</td>
<td>T35</td>
<td>.00035</td>
<td>$2.00</td>
<td>$1.20</td>
</tr>
</tbody>
</table>

WRITE FOR PARTICULARS ON BODINE CIRCUITS

SOLENOID KIT

A complete kit including wiring diagram for a six tube R. F. set, using the small solenoid coil with grooved spacing for the primary and secondary windings. Accurate grid resistances are included. Bakelite used throughout. This type coil is used by the majority of manufacturers this year.

No. 94868 Complete Kit List $7.50 Each $4.15

Complete 6-Tube Solenoid Kit

We have assembled ready for your use a very efficient kit for 6-tube sets using these popular solenoid coils. A BIG SPECI-

<table>
<thead>
<tr>
<th>No. 94689</th>
<th>Solenoid Kit</th>
<th>List $15.35</th>
<th>Less 2 or</th>
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<tbody>
<tr>
<td>10005 Grid Condenser</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 2 watt grid leak</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 x 8 Panel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Baseboard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Socket</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 18 volt Rhen.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Battery Switch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 L. M. Cond.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Amperes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

$17 98 Net

SELECT A NEW UP-TO-DATE SPEAKER SHOWN ON PAGES 2-9

BOOKS ON RADIO

RADIO ENCYCLOPEDIA by S. Germsbach. A very comprehensive treatise on all radio subjects. No. 95042 List $2.00 Each $1.50

BENJAMIN R. F. TRANSFORMER

These improved T. R. Frequency Transformers are space wound, basket weave, of highest practical air dielectric. Labora-

<table>
<thead>
<tr>
<th>No. 94610</th>
<th>Diam.</th>
<th>List</th>
<th>Each</th>
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<tr>
<td>94610</td>
<td>2 1/4</td>
<td>Set of 3 Coils</td>
<td>$3.75</td>
</tr>
<tr>
<td>94611</td>
<td>2 1/4</td>
<td>Single Coil</td>
<td>2.10</td>
</tr>
</tbody>
</table>

BENJAMIN "LEKELESS" BI-COIL

This new type coil made by BENJAMIN eliminates interference usually picked up by ordinary coils. For T. R. F. circuit. Note new type con-

<table>
<thead>
<tr>
<th>No. 92750</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>92750</td>
<td>$2.50</td>
<td>$1.50</td>
</tr>
</tbody>
</table>
### Amsco Condensers

AMSCO is a line of condensers that is specified in a great many circuits. They have been tested and approved by the best radio authorities.

**Straight Tuning Line**

A modified frequency line which allocates stations on the dial in equal wavelength divisions. Perfect bearings. Single hole mounting. Triple type make single control practical. Has variable compensating condenser for balancing matched within 1% maximum capacity.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Capacity List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96320</td>
<td>Single</td>
<td>$0.0025 $3.00</td>
<td>$1.80</td>
</tr>
<tr>
<td>96321</td>
<td>Single</td>
<td>$0.0035 3.25</td>
<td>1.95</td>
</tr>
<tr>
<td>96322</td>
<td>Single</td>
<td>$0.005  3.75</td>
<td>2.25</td>
</tr>
<tr>
<td>96324</td>
<td>Double</td>
<td>$0.0035 6.50</td>
<td>3.90</td>
</tr>
<tr>
<td>96325</td>
<td>Double</td>
<td>$0.0035 7.50</td>
<td>4.50</td>
</tr>
<tr>
<td>96326</td>
<td>Triple</td>
<td>$0.0035 9.75</td>
<td>5.95</td>
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<tr>
<td>96327</td>
<td>Triple</td>
<td>$0.0005 11.25</td>
<td>6.75</td>
</tr>
</tbody>
</table>

**AMSCO STRAIGHT FREQUENCY LINE**

So designed that the resonant or tuned frequency of the circuit is raised or lowered the same amount for each dial division. No crowding. Rotor shaft of chromium nickel needle steel. Highly efficient.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Capacity List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96328</td>
<td>Single</td>
<td>$0.0035 $3.00</td>
<td>$1.80</td>
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<tr>
<td>96329</td>
<td>Single</td>
<td>$0.005  3.50</td>
<td>2.10</td>
</tr>
<tr>
<td>96330</td>
<td>Double</td>
<td>$0.0035 6.00</td>
<td>3.60</td>
</tr>
<tr>
<td>96331</td>
<td>Double</td>
<td>$0.005  7.00</td>
<td>4.20</td>
</tr>
</tbody>
</table>

### De Jur Condensers

Moulded bakelite insulation outside electrostatic field suspends stator plates which bear only on one point. Low minimum capacity. Sturdily built.

**CAMFIELD EQUAL/TUNE CONDENSERS**

Camfield Equaltune Condensers have been especially designed for multiple circuit tuning with a single control. Electrically and mechanically perfect. Adjustment feature with special tool eliminates need for placing taps. Rotor mounted ball bearings.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Capacity List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94721</td>
<td>251 Single</td>
<td>$0.0025 $5.00</td>
<td>$2.30</td>
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<tr>
<td>94722</td>
<td>252 Two</td>
<td>$0.0025 $5.00</td>
<td>$2.30</td>
</tr>
<tr>
<td>94723</td>
<td>253 Three</td>
<td>$0.0025 $5.00</td>
<td>$2.30</td>
</tr>
<tr>
<td>94724</td>
<td>254 Four</td>
<td>$0.0025 $5.00</td>
<td>$2.30</td>
</tr>
<tr>
<td>94725</td>
<td>255 Five</td>
<td>$0.0025 $5.00</td>
<td>$2.30</td>
</tr>
<tr>
<td>94726</td>
<td>256 Six</td>
<td>$0.0025 $5.00</td>
<td>$2.30</td>
</tr>
</tbody>
</table>

**CAMFIELD TYPE 620 COUPLING UNIT**

Bakelite tubing, secondary winding is split in center and 4 terminals are provided. Adapted for many circuits.

<table>
<thead>
<tr>
<th>No.</th>
<th>Each</th>
<th>List</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>94734</td>
<td>$3.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>92872</td>
<td>$10.00</td>
<td>$6.00</td>
<td></td>
</tr>
</tbody>
</table>

**MIDGNET CONDENSERS**

Precise Midget condensers are specified in many circuits, such as Browning Drake, etc. Built to a definite standard.

<table>
<thead>
<tr>
<th>No.</th>
<th>Cap.</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>97109</td>
<td>30 MMF</td>
<td>$1.50</td>
<td>$1.20</td>
</tr>
<tr>
<td>97110</td>
<td>35 MMF</td>
<td>$1.45</td>
<td>$1.15</td>
</tr>
<tr>
<td>97111</td>
<td>50 MMF</td>
<td>$1.75</td>
<td>$1.50</td>
</tr>
<tr>
<td>97112</td>
<td>55 MMF</td>
<td>$2.00</td>
<td>$1.75</td>
</tr>
</tbody>
</table>

### PILOT Centraline Capacigrad

A very efficient variable condenser with practically no di-electric losses. Stations are spread equally without crowding.

<table>
<thead>
<tr>
<th>No.</th>
<th>Plates Cap.</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96557</td>
<td>15000 $1.90</td>
<td>$1.83</td>
<td>$0.95</td>
</tr>
<tr>
<td>95058</td>
<td>13000 2.00</td>
<td>1.05</td>
<td></td>
</tr>
<tr>
<td>95059</td>
<td>17000 2.10</td>
<td>1.24</td>
<td>1.25</td>
</tr>
<tr>
<td>95060</td>
<td>25000 2.50</td>
<td>1.58</td>
<td>1.25</td>
</tr>
</tbody>
</table>

### SIGNAL VARIABLE CONDENSER

This condenser is for panel mounting, and same is carried in stock in four sizes. Heavy aluminum plates; perfect spacing. Has 3/4 shaft. Bakelite ends.

<table>
<thead>
<tr>
<th>No.</th>
<th>Each</th>
<th>List</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>91505</td>
<td>$3.25</td>
<td>$0.69</td>
<td></td>
</tr>
<tr>
<td>91506</td>
<td>1.80</td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td>91507</td>
<td>1.60</td>
<td>0.54</td>
<td></td>
</tr>
<tr>
<td>91508</td>
<td>1.50</td>
<td>0.49</td>
<td></td>
</tr>
</tbody>
</table>

### PRECISE DRUM and FRICTION DRIVE KIT

Illuminated 5-inch drum with translucent band graduated from 0-180. Friction drive may be assembled on any condenser shaft of standard size. Kit consists of drum and friction drive.

<table>
<thead>
<tr>
<th>No.</th>
<th>Complete</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96945</td>
<td>$6.25</td>
<td>$3.75</td>
<td></td>
</tr>
</tbody>
</table>
HAMMARLUND “AUTO-COUPLE”

This is a harmonious assembly of coil, condenser and shield providing automatic, graduating coupling of the primary coil throughout range of condenser setting. Coils, condensers and shield are sold separately and easily assembled. It insures correct primary coupling and maximum energy transfer. Individual requirements of all circuits can be met.

HAMMARLUND EQUALIZER

A new Hammarlund Product that has proven a very good seller. Capacity 2 to 5a mfd.

NEW HAMMARLUND PARTS

Used for New 1927-28 Hammarlund Hi O Six

BENJAMIN S. L. F. CONDENSERS

A S. L. F. Condenser with many superior features. Built to exacting Benjamin standards.

NEW HAMMARLUND PARTS

Used for New 1927-28 Hammarlund Hi Q Six

REMLER TRANSFORMERS

Remler Transformers have always enjoyed wide-spread popularity. They are used among other circuits in the CITIZENS SUPER, fully shown on pages 24 and 25 of this issue. They are ready sellers.

HARRY ALTER'S RADIO BOOK DEC., 1927

THE HARRY ALTER CO., CHICAGO, ILL.
Thordarson Transformers are unconditional guaranteed. They are built with one aim—perfect reproduction.

**AUDIO TRANSFORMERS**
The regular audio transformers have terminals on top and are made in three ratios.

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4 to 1</td>
<td>$4.00</td>
</tr>
<tr>
<td>6 to 1</td>
<td>$4.30</td>
</tr>
</tbody>
</table>

**SUB-PANEL MOUNTING TYPE**
Leads come out the base. Provides for easier assembly and shorter leads.

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 97101</td>
<td>$4.00</td>
</tr>
<tr>
<td>No. 97102</td>
<td>$4.30</td>
</tr>
</tbody>
</table>

**R-200 AMPLIFYING TRANSFORMER**
A “laboratory model” transformer, fully enclosed in beautiful finished case. Provides unusually smooth amplification curve.

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 96700</td>
<td>$8.00</td>
</tr>
<tr>
<td>No. 96701</td>
<td>$8.00</td>
</tr>
</tbody>
</table>

**THORDARSON POWER TRANSFORMER**
These two transformers (input and output) are the correct type to use with the popular 310 Power Tube. Each has its high voltage requirement. The quality of these transformers is reflected in improved tone quality.

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 96702</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

**SPEAKER COUPLING TRANSFORMER**
Designed as output transformer to protect speaker from high voltage used with 371 and 310 tubes.

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 96703</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

**THORDARSON AUTOFORMER**
An impedance coupled transformer giving unusual clarity and good volume. It is an all-frequency amplifier and should not be confused with transformer coupled amplification.

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 93388</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

**THORDARSON Filament Heater TRANSFORMER**
Type T-2445 is used to supply proper voltages to the new A.C. tubes such as CX326, C327, UX125 and U127. Built with the customary Thordarson precision.

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 96703</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

**SPECIAL TRANSFORMERS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 96784</td>
<td>$20.00</td>
</tr>
<tr>
<td>No. 96785</td>
<td>$14.00</td>
</tr>
<tr>
<td>No. 96786</td>
<td>$2.00</td>
</tr>
<tr>
<td>No. 96787</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

**POWER INPUT PLUG R-172**
This plug makes a convenient method of connecting the power amplifier to the receiver.

<table>
<thead>
<tr>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 96711</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**POWER PACK R-171**
This Power Kit gives excellent results and assures total absence of hum and extreme quality reproduction through efficient power tube 310.

<table>
<thead>
<tr>
<th>Transformer</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 95049</td>
<td>$22.97</td>
</tr>
<tr>
<td>No. 95050</td>
<td>$30.92</td>
</tr>
</tbody>
</table>

**TRANSFORMER FOR RAYTHEON 350 MIL. BA TUBE**
(For Complete A B C Unit)
These units are the proper equipment for use with the new Raytheon or QRS ABC Tube, where tubes are connected in series.

<table>
<thead>
<tr>
<th>Transformer</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 95048</td>
<td>$12.90</td>
</tr>
<tr>
<td>No. 95049</td>
<td>$19.90</td>
</tr>
</tbody>
</table>

**POWER PACK R-210**
Thordarson Power Packs make it Easy for you to Build a First-class “B” and Amplifier. Ask for complete data.
NEW TYPE 222 WITH PIN JACKS
Type 222 is the same electrically as 221, but has 4 pin jacks and 2 extension cords, to make it easy to install between set and speaker.
No. 93397 Type 222..... List, $5.00 Each, $4.60

NEW TYPE PUSH-PULL TRANSFORMER TYPE 230 and 231
Represent one of the most important advances. For second stage audio amplification and 2 115 or 371 Tubes. Type 200, "Input" with split secondary can be used as 315 or 6:1 in any circuit.
No. 93496 Type 230 Trans. List, $10.00 Each, $9.00
No. 93491 Type 231 Trans. List, 10.00 Each, 9.00

NEW 325 STEP DOWN TRANSFORMER
Designed to supply 115 and 220 volt filament current for all A.C. tubes and also 5 and 7½ volts for 212, 371 and 310 Power Tubes. Transformer provided with electrostatic shield and plug and cord.
No. 96200..... List, $8.00 Each, $4.60

SILVER-MARSHALL R. F. CHOKE
Type 275 for use up to 600 meters. Bakelite housing. Inductance 2.5 millihenries.
No. 96201..... List, 90c Each, 54c

SILVER-MARSHALL SUPER-HF. TRANSFORMER KIT
The Silver-Marshall Inter-stage and Tuned Transformers are a distinct advantage for accurate reception. Can be used either in the McMurdo-Silver system or other superhet.
No. 92645 Intermediate, S-M. No. 210..... $5.00 Each, $3.60
No. 92646 Tuned Stage, S-M. No. 211..... 6.00 Each, 3.60

SILVER-MARSHALL MIDGET CONDENSER
A small .000025 mfd. adjustable condenser. Designed for compensating, balancing or antenna coupling. Complete with control.
No. 93360..... List, $1.50 Each 90c

S-M AUDIO CHOKE No. 243
Preferred by many who want to use the Conventional choke and 2 or 4, MFD. Condenser Combination. 30 Henries at 60 Milliamperes.
No. 97135..... List, $5.00 Each $3.00

NEW No. 5 THIRTY HENRY CHOKE 244
For those who prefer to use 2 power chokes in "B" Eliminators and Power Amplifier circuits.
No. 97138..... List, $5.00 Each $3.00

NEW MICRO TRANSFORMER No. 242
A "Modulation" or "line" Transformer for the "Ham". A new item that will be a popular seller.
No. 97133..... List, $7.50 Each $4.50

SILVER-MARSHALL "E" UNITS
TYPE 329 POWER TRANSFORMER
Contains two 200-volt secondaries, one 110 volt, 60 cycle primary and one 5-volt filament winding center tapped. Rated at 85 mill. H.P. Electrostatic shield with cord and plug.
No. 93317 Type 329..... List, $9.00 Each $5.40

TYPE 330—POWER TRANSFORMER. Rated at 85 milliamps. Continuous duty. 110 volt primary and a 7.5 volt filament winding lighting.
No. 93390 Type 330—UNICHOKE, 2-Winding, High inductance filter choke. 85 milliamps.
No. 93391 Type 330—CONDENSEN BANK. Intended for use in Type 332. List, $12.50 Each $7.50

328 SUPER POWER TRANSFORMER
A full wave power transformer for 1 or 2 381 Tubes. 2 550-volt secondaries and rated at 111 mill.
No. 97016..... List, $18.00 Each $10.80

S-M INTERCHANGEABLE COILS
Designed for permanent uniformity and extremely low losses. Enamelled wire wound upon 6 threaded ridges of moulded bakelite form. Suits for uncontrol receivers on account of their uniformity.
All fit the 6 contact coil socket. Adjustable rotor. Other types furnished on request.

Two Equal Windings

<table>
<thead>
<tr>
<th>S-M Type</th>
<th>Range</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 93375 No. 110A</td>
<td>190-550 Meters</td>
<td>$2.50</td>
</tr>
<tr>
<td>No. 93376 No. 110B</td>
<td>70-200 Meters</td>
<td>2.50</td>
</tr>
<tr>
<td>No. 93377 No. 750C</td>
<td>70-200 Meters</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

Single Winding with Concentrated Primary

| No. 93378 No. 111A | 190-550 Meters | $2.50 |
| No. 93379 No. 111B | 70-200 Meters | $2.50 |
| No. 93380 No. 111C | 30-75 Meters | $2.50 |

No. 93384 Socket for above Coils..... 1.00 60c

Silver-Marshall Lowloss Coupler
Wavelength 190 to 550 meters with .0005 condenser. Consists of self-supporting stator coil and 10-turn primary.
No. 92583..... List, $3.00 Each, $3.90

Silver-Marshall Antenna Coupler
Designed for circuits with loop reception. Low loss inductance with .0005 Condenser. Adjustable rotor.
No. 92584..... List, $2.50 Each, $1.50

Silver-Marshall Coupling Unit
Type 101B Coupling Unit is used with a .0005 Condenser. Adjustable rotor.
No. 94587 Type 101B..... List, $2.50 Each, $1.50

No. 94590 Radio Frequency Choke No. 275..... Each, $5.35

NEW PUSH-PULL TRANSFORMERS

| No. 94591 No. 94592 | Type 245 and 246 | A lower priced pair of push-pull transformer which will be a very popular seller. Ready December 10th. |
| No. 97136 Type 245..... List, $7.50 Each $4.50 |
| No. 97137 Type 246..... List, 7.50 Each 4.50 |

S-M 329A POWER TRANSFORMER
No. 97139 Type 329A—(AMC)..... List, $11.00 Each 6.60

S-M KITS
LISTED ON PAGE 53

RITCO TRANSFORMERS AND CHOKEs NOW LISTED ON PAGE 53

Rauland-Lyric

For the music lover, there is no better audio than the Rauland-Lyric. Especially designed for quality reception.
No. List Each 92975 $0.90 $0.50

ALL-AMERICAN AUDIO

National advertising and superior quality have made All-American Transformers good sellers.
No. List Each 91511 3 to 1... $4.50 91512 5 to 1... 4.50 91519 10 to 1... 4.50 91521 R.0 Input... 2.70 91550 R.0 Input... 2.70 92551 R.31 Output... 3.00

ALL-AMERICAN PUSH-PULL TRANSFORMER

Used for power amplification giving unusually clear and loud signals. Always order in pairs (1 of each type).
No. List Each 91550 R.0 Input... $5.00 92551 R.31 Output... 3.00
**SAMSON**

**SAMSON products are made with a watch-like precision of detail. SAMSON Audio Transformers, including the famous Symphonic, SAMSON condenser, SAMSON chokes and other SAMSON apparatus have become recognized leaders. Special bulletins issued by SAMSON gladly supplied on request. Our net prices below are equal to 40% from the list price.**

**Samson Transformers**

**SAMSON Audio Units will give a proper response to low notes as well as to the highest overtone, whatever is the range due to the inherent range and volume. 6-4 ratio gives most volume per stage with a quality of higher notes. 3-1 ratio gives best average results; 3-1 stage gives more uniform amplification for all audible notes with a small sacrifice of volume.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ratio</th>
<th>List Each</th>
<th>$</th>
<th>5 Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94900</td>
<td>Standard HW-A(^{5}) - 3</td>
<td>5.00</td>
<td></td>
<td></td>
<td>3.35</td>
</tr>
<tr>
<td>94901</td>
<td>Standard HW-A(^{5}) - 5</td>
<td>5.00</td>
<td></td>
<td></td>
<td>3.25</td>
</tr>
<tr>
<td>94902</td>
<td>Standard HW-A(^{6}) - 6</td>
<td>5.00</td>
<td></td>
<td></td>
<td>3.25</td>
</tr>
</tbody>
</table>

**SAMSON DUAL IMPEDANCE (Ionic Design)**

An economical, compact unit containing plate and grid impedances and coupling couplings. These transformers are designed for isolating the different stages of A, F, or amplifier by insertion in "B" leads in conjunction with a by-pass condenser.

**SAMSON AUDIO FREQUENCY CHOKE No. 3**

Conserves "B" batteries, eliminates howling or "motor-boating" and suppresses distortion in audio amplifiers. Designed for isolating the different stages of A, F, or amplifier by insertion in "B" leads in conjunction with a by-pass condenser.

No. | List Each |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>94906</td>
<td>Type No. 3</td>
</tr>
</tbody>
</table>

**SAMSON "B" Eliminator Transformers**

These transformers have no noticeable constructional features that put them in advance of any other type offered on the market. Take care of variations in line voltage.

Transformer No. 132

- Rated at 40 volts and 200 volts. Pumps a 200-volt plate supply at 90 volts, and less from a "00 cycle" power source. Fitted to furnish necessary filament supply for 380 tubes and also one or two 371's. Can also be used with Raytheon HB1 tube.
- No. 94933: \$15.00 | \$9.75
- No. 94934: \$15.00 | \$12.35

Transformer No. 221

- An A-C-D eliminator transformer designed to supply 200 volts D.C. and is also capable of supplying necessary ventilation. Similar to above, supplies filament current for 3 CX320 A. C. tubes, another for CX327, and the third for 371 tube. Rated at 100 watts.
- No. 94935: \$15.00 | \$10.73
- No. 94936: \$15.00 | \$10.73

Transformer No. 242

- Same as Transformer No. 323, but the third winding takes care of one of two 310 tubes, as it supplies 500 volts choke input. No. 94937: \$20.00 | \$13.65

**GET COMPLETE DESCRIPTION By Writing to SAMSON Goods.**

**Samson Symphonic**

The "SYMPHONIC" is in a class by itself and insures far greater pleasure to the listener.

No. | List Each |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>94903</td>
<td>List $10.00</td>
</tr>
</tbody>
</table>

**SAMSON OUTPUT IMPEDANCE (Type O)**

For use with high-power tubes in last stage of a direct-plate amplifier to give direct plate current due to feedback effects.

No. | List Each |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>94905</td>
<td>Type O</td>
</tr>
</tbody>
</table>

**SAMSON RF Choke**

Improves quality of reception and control radio frequencies even down to wave lengths of a few feet. Used in grid circuits of first amplifier tubes, and in "B" plus leads of R. F. circuits, in place of resistor lead in a resistance coupled R. F. amplifier and in other many ways.

No. | List Each |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>94906</td>
<td>250 Mf. 3.4 MFMF</td>
</tr>
<tr>
<td>94908</td>
<td>250 Mf. 3.4 MFMF</td>
</tr>
<tr>
<td>94907</td>
<td>250 Mf. 3.4 MFMF</td>
</tr>
</tbody>
</table>

**SAMSON Power Blocks**

Very efficient combinations that will permit use of any type of tubes. A supply power supply to their respective tubes. Accurately built.

**POWER BLOCK No. 712**

Supplies current to 40 volt D.C. at 50 Mf. Consists two chokes and one special "B" eliminator transformer. Supplies filament current for one 380 and one 371 tube. Rated 80 watts.

No. 94937: \$21.50 | \$15.93

**POWER BLOCK No. 718**

Includes SAMSON No. 132 and two SAMSON 221. For this combination the number of necessary connections is minimized. 200 volts D.C. to 80 Mf.

No. 94938: \$33.50 | \$21.77

**POWER TRANSFORMERS No. 210**

Supplies 500 volts from 60 volt A.C. (up to 80 Mf.) Especially fitted for "B" supply for 210 tubes. For any amplifier, voltage or current as desired. Combines one No. 162 and two 380 choke units.

No. 94939: \$37.50 | \$24.38

**SYMPHONIC PUSH-PULL COMBINATION**

Comprises one Symphonic Push-Pull Input Transformer and one Symphonic Push-Pull Output Impedance. A new innovation that gives wonderful tone quality. Sold in pairs only.

No. 94940: \$10.00 | Per Pair Each \$12.64
**PREMIER Quality**

**Radio Parts**

**PREMIER HEGEHOG**

This famous little transformer is about the size of an English walnut. 100 per cent shielded. Mounts anywhere, saves space in assembly.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ratio</th>
<th>List</th>
<th>Each 10 Lots</th>
</tr>
</thead>
<tbody>
<tr>
<td>92045</td>
<td>1 to 3</td>
<td>$3.50</td>
<td>$2.10</td>
</tr>
<tr>
<td>92046</td>
<td>1 to 4</td>
<td>3.50</td>
<td>2.10</td>
</tr>
<tr>
<td>92047</td>
<td>1 to 5</td>
<td>4.50</td>
<td>2.70</td>
</tr>
</tbody>
</table>

**PREMIER RADIO TRAN**

An "air core," non-interfering radio frequency transformer, correctly designed and efficient in all circuits. List $1.50.

No. 92069 Each $0.90 10 Lots $8.10

---

**THE LATEST AND MOST SUCCESSFUL KITS ARE LISTED ON PAGES 54-61**

**X-L NEUTRALIZING CONDENSER**

For use in Neutodyne, Browning-Drake, Roberts' McMurdo Silver's Knockout and any circuit where balance is required. Extreme micrometer adjustment.

No. 93290 Model N List $1.00 Each 70c 6 Lots 60c

**X-L VARIABLE GRID CONDENSER**

Designed to insure correct and permanent value for any tube or circuit within its range. Used in Super-Het, replacing fired condensers. Complete with grid lead clips.

No. Capacity List Each 6 Lots

93288 .00002 to .0001 $1.50 $1.05 $0.90

93291 .0001 to .0005 1.50 1.05 .90

93289 .0005 to .001 1.50 1.05 .90

**X-L BINDING POSTS**

The X-L "Push-Post" has many superior features. No screwing—no screwing of wires—no jarring loose. Easy to enter wires. Furnished with attractive nickel-plated markings. Exceeds in looks, action, service and convenience.

<table>
<thead>
<tr>
<th>No. Marking</th>
<th>No. Marking</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>96390 Aerial</td>
<td>96397 B 22¾</td>
<td>15c</td>
</tr>
<tr>
<td>96391 Ground</td>
<td>96396 B 45</td>
<td></td>
</tr>
<tr>
<td>96392 Loudspeaker</td>
<td>96394 G 70</td>
<td>Each $1.35</td>
</tr>
<tr>
<td>96393 A</td>
<td>96400 B Ampl.</td>
<td>Per 100</td>
</tr>
<tr>
<td>96394 A plus</td>
<td>96401 C</td>
<td>$9.00</td>
</tr>
<tr>
<td>96395 B</td>
<td>96402 C Plus</td>
<td></td>
</tr>
<tr>
<td>96396 B plus</td>
<td>96403 Loop</td>
<td></td>
</tr>
</tbody>
</table>

**X-L Binding Post Strip**

Handsome polished panel with six mounted push-posts engraved A minus, A plus, B minus, B Det., B Ampl., Ground and Aerial.

No.96404 List, $1.50 Each 90c

**MUTER DOUBLE-TUNED IMPEDANCE (UNIT Hiler Patent)**

Hiler Coils with Muter Condensers give the ultimate A. F. amplification. Doubly sealed in highly enameled metal case. Finest tuned audio frequency unit. 4 x 4½ x 2¾".

<table>
<thead>
<tr>
<th>No.</th>
<th>First Stage</th>
<th>Second Stage</th>
<th>Third Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>94107</td>
<td>$6.00</td>
<td>$3.60</td>
<td>$3.60</td>
</tr>
<tr>
<td>94108</td>
<td>6.00</td>
<td>3.60</td>
<td>3.60</td>
</tr>
<tr>
<td>94109</td>
<td>6.00</td>
<td>3.60</td>
<td>3.60</td>
</tr>
</tbody>
</table>

**MUTER AUDIO FREQUENCY TRANSFORMER**


<table>
<thead>
<tr>
<th>Ratio</th>
<th>List</th>
<th>Each 10 Lots</th>
</tr>
</thead>
<tbody>
<tr>
<td>94117</td>
<td>3 ½ to 1</td>
<td>$2.25</td>
</tr>
<tr>
<td>94118</td>
<td>5 to 1</td>
<td>2.50</td>
</tr>
</tbody>
</table>

**Jefferson Transformers**

**CONCERTONE**

This new audio gives equal amplification from 30 to 10,000 cycles. All vocal and instrumental notes are reproduced with natural tone. Especially adapted for use with new power tubes. Sealed in metal case.

No. 93495 List $6.00 $3.60

**"STAR" SEALED AUDIO**

Now comes in the sealed black enameled sheet steel case with nickel plate. The finest rolled silicon steel is used.

No. 93425 List Each |

**TAPPED POWER AMPLIFIERS**

This pair fills a long-felt want for so-called Push-Pull Amplifiers. Recommended where extreme volume is required, as for instance in third stage audio work.

No. 93257 Pair No. 47 and No. 48 Each $3.76

**INTERMEDIATE FREQUENCY**

The effective band is 13,000 cycles wide. To be used with C299 or C298.

No. 93259 Input (30 K. C.) Each $1.98

**JEFFERSON OUTPUT TRANSFORMER**

Designed for use with impedance or resistance coupled circuits and in connection with loud speaker to prevent blasting of loudspeaker. 20 Cord. Model 305.

No. 93496 List Each $6.00

**JEFFERSON**

No. 370 Makes ideal replacement job. Can be used for practically any set.

No. List Each 6 Lots

93494 $2.25 $1.50 $1.35

**NA-ALD AMPLIFIER**

Na-Ald. Triphonic amplification is based on new and uniques principles. To build new set or modernize old. Consists of three coupled and one output unit. Battery cable and rheostat. 1½ x 2½ x 2½". Bracket on 3" center.

No. Each 6 Lots

93475 $2.00

**DAVEN Resistance Coupled UNIT**

The DAVEN Unit employs resistance-coupled amplification for use with Hi-MU Tube (CX349). Complete with resistance grids and coupling condensers. Size 3 x 4½ x 9¼".

Complete List, $2.50 Each 6 Lots

93470 $15.00 Each $9.00

---

**THE HARRY ALTER CO., CHICAGO, ILL.**

67
WE ARE HEADQUARTERS FOR SOCKET POWER UNITS

We carry the largest assortment of high-grade Socket Power Units. Look over pages 12 to 21. All the latest approved units. You can run ANY set off the light socket with these units.

BRADLEY UNIT PERFECT FIXED RESISTOR and GRID LEAK

An accurately calibrated fixed resistor for resistance-coupled amplifier hookups and as accurate grid leaks. Not affected by temperature or moisture. Non-inductive. Silver plated tips may be soldered.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ohms</th>
<th>List Each</th>
<th>Meg-</th>
</tr>
</thead>
<tbody>
<tr>
<td>91828</td>
<td>5000</td>
<td>$1.00</td>
<td>.65</td>
</tr>
<tr>
<td>91820</td>
<td>7500</td>
<td>1.00</td>
<td>.65</td>
</tr>
<tr>
<td>91830</td>
<td>10000</td>
<td>1.00</td>
<td>.65</td>
</tr>
<tr>
<td>91850</td>
<td>10000</td>
<td>1.5</td>
<td>.60</td>
</tr>
<tr>
<td>91851</td>
<td>15000</td>
<td>1.5</td>
<td>.60</td>
</tr>
<tr>
<td>91853</td>
<td>15000</td>
<td>2.0</td>
<td>.60</td>
</tr>
<tr>
<td>91862</td>
<td>25000</td>
<td>2.0</td>
<td>.60</td>
</tr>
<tr>
<td>91857</td>
<td>25000</td>
<td>3.0</td>
<td>.60</td>
</tr>
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</table>

DUBILIER The New Moulded Micadon


<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>MFD.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96902</td>
<td>.00005</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96903</td>
<td>.0001</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96904</td>
<td>.00025</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96905</td>
<td>.0005</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96906</td>
<td>.001</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96907</td>
<td>.0015</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96908</td>
<td>.002</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96909</td>
<td>.0025</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96910</td>
<td>.005</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96911</td>
<td>.004</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96912</td>
<td>.005</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
<tr>
<td>96913</td>
<td>.006</td>
<td>MFD.</td>
<td>.50c</td>
</tr>
</tbody>
</table>

SMALL MICADON CONDENSERS

Type 401

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>MFD.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>91820</td>
<td>.0001</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91821</td>
<td>.0005</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91822</td>
<td>.0001</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91823</td>
<td>.001</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91824</td>
<td>.0015</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91825</td>
<td>.002</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91826</td>
<td>.0025</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91827</td>
<td>.004</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91828</td>
<td>.006</td>
<td>MFD.</td>
<td>.66c</td>
</tr>
<tr>
<td>91830</td>
<td>.01</td>
<td>MFD.</td>
<td>.75c</td>
</tr>
<tr>
<td>91831</td>
<td>.015</td>
<td>MFD.</td>
<td>.75c</td>
</tr>
<tr>
<td>91832</td>
<td>.02</td>
<td>MFD.</td>
<td>.75c</td>
</tr>
</tbody>
</table>

With Grid Leak Mounting

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>MFD.</th>
<th>List 35c.</th>
</tr>
</thead>
<tbody>
<tr>
<td>91836</td>
<td>.0001</td>
<td>MFD.</td>
<td>21c</td>
</tr>
<tr>
<td>91837</td>
<td>.0005</td>
<td>MFD.</td>
<td>21c</td>
</tr>
</tbody>
</table>

MUTER GRID LEAKS AND RESISTANCE MOUNTING

Black bakelite base, ½" long with ½" mounting hole. Nickel plated brass clips with knurled terminals and lock nuts. Well constructed.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>93435</td>
<td>For one Grid Leak</td>
<td>$0.12</td>
</tr>
<tr>
<td>93439</td>
<td>For two Grid Leaks</td>
<td>$0.24</td>
</tr>
</tbody>
</table>

BUILD THE SILVER SUPER

See Page 53

DUBILIER By-Pass Condensers

Type 907-908

These are Paper dielectric condensers designed for "By-Pass" work. Have special mounting feet. Solder lug terminals are provided. Occupies small space.

<table>
<thead>
<tr>
<th>Type 907 160 Volts</th>
<th>Type 908 400 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>9215</td>
<td>0.1 Mfd.</td>
</tr>
<tr>
<td>9216</td>
<td>0.25 Mfd.</td>
</tr>
<tr>
<td>9217</td>
<td>0.5 Mfd.</td>
</tr>
<tr>
<td>9218</td>
<td>1.0 Mfd.</td>
</tr>
<tr>
<td>9219</td>
<td>2.0 Mfd.</td>
</tr>
</tbody>
</table>

DUBILIER GRID LEAK RESISTOR

DUBILIER LIGHT SOCKET AERIAL LISTED ON PAGE 25

QUICK DELIVERY IS IMPORTANT TO YOU

That's why we keep always an adequate stock on hand — Our Minute Man Service assures you of shipment of your order the same day we receive it. Just a word of caution, nevertheless, in regard to new-type radio merchantile. In some rare instances manufacturers are slow in delivery and we may be unable to give you this prompt service on a particular item. But you may be sure that we follow all orders through in the most prompt manner possible. We have acquired through years of consistent service a very enviable reputation and we intend fully to keep up the good work.

THE HARRY ALTER CO. CHICAGO, ILL.
TINYTOBE CONDENSERS

The established quality of TINYTOBE Condensers is recognized by set builders and manufacturers. TINYTOBE condensers are made for constant operating voltages up to 500 volts D.C. Extremely simple to install. Light and of small size.

<table>
<thead>
<tr>
<th>No.</th>
<th>Cap.</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94856</td>
<td>.00001</td>
<td>$0.35</td>
</tr>
<tr>
<td>94858</td>
<td>.00002</td>
<td>$0.21</td>
</tr>
<tr>
<td>94859</td>
<td>.0001</td>
<td>$0.40</td>
</tr>
<tr>
<td>94860</td>
<td>.001</td>
<td>$0.24</td>
</tr>
<tr>
<td>94862</td>
<td>.003</td>
<td>$0.45</td>
</tr>
<tr>
<td>94863</td>
<td>.004</td>
<td>$0.27</td>
</tr>
<tr>
<td>94864</td>
<td>.006</td>
<td>$0.55</td>
</tr>
<tr>
<td>94865</td>
<td>.0075</td>
<td>$0.33</td>
</tr>
<tr>
<td>94866</td>
<td>.01</td>
<td>$0.60</td>
</tr>
<tr>
<td>94868</td>
<td>.02</td>
<td>$0.36</td>
</tr>
</tbody>
</table>

SPECIAL TYPE .00007

Each 24c

BY-PASS and FILTER CONDENSERS

Tobe in their silvered metal cases, are standard for all by-pass and filter circuit use. Noiseless and unchangeable. Are used and recommended for all circuits and Raytheon "B" hookups. The 4.0 mfd. is especially suitable for use in output devices required with CX731 and similar power tubes.

<table>
<thead>
<tr>
<th>No.</th>
<th>Tube Type</th>
<th>Sizes</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94850</td>
<td>310</td>
<td>1 mg</td>
<td>$0.70</td>
</tr>
<tr>
<td>94851</td>
<td>325</td>
<td>25</td>
<td>$0.45</td>
</tr>
<tr>
<td>94852</td>
<td>350</td>
<td>50</td>
<td>$0.80</td>
</tr>
<tr>
<td>94853</td>
<td>351</td>
<td>1.0</td>
<td>$1.25</td>
</tr>
<tr>
<td>94855</td>
<td>302</td>
<td>2.0</td>
<td>$1.50</td>
</tr>
<tr>
<td>94859</td>
<td>304</td>
<td>4.0</td>
<td>$2.00</td>
</tr>
<tr>
<td>94671</td>
<td>311 Buffer</td>
<td></td>
<td>$1.50</td>
</tr>
</tbody>
</table>

400 LINE CONDENSERS

For use with Raytheon BH Tube and all other B tubes, supplying 180-250 volts. "Short Path" type giving greatest efficiency in operation.

<table>
<thead>
<tr>
<th>No.</th>
<th>Tube Type</th>
<th>Capacity</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94672</td>
<td>401 1 Mfd</td>
<td>2.00</td>
<td>$1.20</td>
</tr>
<tr>
<td>94673</td>
<td>402 2 Mfd</td>
<td>2.75</td>
<td>$1.65</td>
</tr>
<tr>
<td>94674</td>
<td>404 4 Mfd</td>
<td>4.50</td>
<td>$2.70</td>
</tr>
<tr>
<td>94675</td>
<td>411 2 x 1 Mfd Buffer</td>
<td>2.00</td>
<td>$1.20</td>
</tr>
</tbody>
</table>

TOBE 600 LINE POWER PACK CONDENSERS

Extremely rugged, will operate continuously on D.C. voltages from 600 to 1000 volts. Containers finished in the familiar TOBE silvered finish.

<table>
<thead>
<tr>
<th>No.</th>
<th>Tube Type</th>
<th>Capacity</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94644</td>
<td>650 0.5 Mfd</td>
<td>$2.20</td>
<td></td>
</tr>
<tr>
<td>94645</td>
<td>601 1.0 Mfd</td>
<td>2.50</td>
<td></td>
</tr>
<tr>
<td>94646</td>
<td>602 2.0 Mfd</td>
<td>3.50</td>
<td></td>
</tr>
<tr>
<td>94647</td>
<td>604 4.0 Mfd</td>
<td>6.00</td>
<td></td>
</tr>
</tbody>
</table>

SPECIAL TOBE B BLOCKS

Compact,cased group of Condensers, with conveniently arranged terminals. TOBE "B" Blocks are specified for the following purposes.

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Circuit</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94848</td>
<td>R-171</td>
<td>Thordarson Power Pack</td>
<td>$15.00</td>
</tr>
<tr>
<td>94849</td>
<td>R-210</td>
<td>Thordarson Power Pack</td>
<td>18.00</td>
</tr>
<tr>
<td>94866</td>
<td>703</td>
<td>For Raytheon</td>
<td>23.00</td>
</tr>
<tr>
<td>94877</td>
<td>No. 1</td>
<td>For Raytheon ABC Unit</td>
<td>10.00</td>
</tr>
<tr>
<td>94878</td>
<td>No. 2</td>
<td>For Raytheon ABC Unit</td>
<td>10.50</td>
</tr>
<tr>
<td>94879</td>
<td>R QRS ABC Power Supply</td>
<td>14.00</td>
<td></td>
</tr>
</tbody>
</table>

(TOBE INTERFERENCE FILTER

Reduces radio interference from oil burners, refrigerators, sewing machines, motors, etc. Provided with 5 leads.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94680</td>
<td>1</td>
<td>$10.00</td>
</tr>
<tr>
<td>97012</td>
<td>2 (Up to 6 H.P.)</td>
<td>15.00</td>
</tr>
</tbody>
</table>

DURHAM METALLIZED RESISTORS

A HIGH-RESISTANCE element scientifically perfected to resist all moisture and atmospheric change. Brass terminals attached by a special process to the metalized glass core give electrically tight connections. Noiseless. A grid-resistor of permanent and accurate resistance value.

<table>
<thead>
<tr>
<th>No.</th>
<th>Range</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94869</td>
<td>2,300 ohms</td>
<td>$1.00</td>
</tr>
<tr>
<td>94870</td>
<td>5,000 ohms</td>
<td>$0.60</td>
</tr>
<tr>
<td>94871</td>
<td>10,000 ohms</td>
<td>$1.10</td>
</tr>
<tr>
<td>94872</td>
<td>20,000 ohms</td>
<td>$1.65</td>
</tr>
<tr>
<td>94873</td>
<td>50,000 ohms</td>
<td>$2.10</td>
</tr>
<tr>
<td>94874</td>
<td>75,000 ohms</td>
<td>$2.50</td>
</tr>
<tr>
<td>94875</td>
<td>100,000 ohms</td>
<td>$3.00</td>
</tr>
<tr>
<td>94876</td>
<td>.5 megohm</td>
<td>$4.00</td>
</tr>
<tr>
<td>94877</td>
<td>.75 megohm</td>
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<tr>
<td>94878</td>
<td>1.0 megohm</td>
<td>$5.00</td>
</tr>
<tr>
<td>94879</td>
<td>2.0 megohm</td>
<td>$5.50</td>
</tr>
<tr>
<td>94880</td>
<td>4.0 megohm</td>
<td>$6.00</td>
</tr>
<tr>
<td>94881</td>
<td>6.0 megohm</td>
<td>$6.50</td>
</tr>
<tr>
<td>94882</td>
<td>8.0 megohm</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

DURHAM GRID RESISTOR MOUNTING SINGLE MOUNTING OF EXCEPTIONALLY HIGH RESISTANCE.

No. 97013... List 50c Each 30c

Durham Powerbeams

A recently perfected power resistor which is widely used by "B" eliminator manufacturers. Constructed from special heat dissipating material.

2.5 Watt Type (1½" long)

<table>
<thead>
<tr>
<th>No.</th>
<th>Range</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96735</td>
<td>5.100 Ohm</td>
<td>$1.25</td>
</tr>
<tr>
<td>96736</td>
<td>10,000 Ohm</td>
<td>75c</td>
</tr>
<tr>
<td>96737</td>
<td>25,000 Ohm</td>
<td>$1.25</td>
</tr>
<tr>
<td>96738</td>
<td>50,000 Ohm</td>
<td>$1.50</td>
</tr>
<tr>
<td>96739</td>
<td>100,000 Ohm</td>
<td>$1.75</td>
</tr>
</tbody>
</table>

2.5 Watt Type (3½" long)

<table>
<thead>
<tr>
<th>No.</th>
<th>Range</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96745</td>
<td>5.000 Ohm</td>
<td>$1.25</td>
</tr>
<tr>
<td>96746</td>
<td>10,000 Ohm</td>
<td>75c</td>
</tr>
<tr>
<td>96747</td>
<td>25,000 Ohm</td>
<td>$1.25</td>
</tr>
<tr>
<td>96748</td>
<td>50,000 Ohm</td>
<td>$1.50</td>
</tr>
<tr>
<td>96749</td>
<td>100,000 Ohm</td>
<td>$1.75</td>
</tr>
</tbody>
</table>
AMSCO Tom-Thumb RHEOSTATS
The Midget Rheostat with giant capabilities.
Has all the desirable electrical characteristics.
Single-hole mounting, smooth but firm action—air-cooled.
Very highly recommended. 1 1/4" diameter.
No.

<table>
<thead>
<tr>
<th>Type</th>
<th>Ohms</th>
<th>Unit</th>
<th>Meg.</th>
<th>Each, 600 Volts</th>
<th>Each, 1500 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>96340</td>
<td>2500</td>
<td></td>
<td>6.4</td>
<td>360</td>
<td>60</td>
</tr>
<tr>
<td>96341</td>
<td>5000</td>
<td></td>
<td>1.2</td>
<td>12</td>
<td>2.4</td>
</tr>
<tr>
<td>96342</td>
<td>8000</td>
<td></td>
<td>0.7</td>
<td>120</td>
<td>24</td>
</tr>
<tr>
<td>96343</td>
<td>16000</td>
<td></td>
<td>0.3</td>
<td>120</td>
<td>24</td>
</tr>
<tr>
<td>96344</td>
<td>12000</td>
<td></td>
<td>0.3</td>
<td>120</td>
<td>24</td>
</tr>
<tr>
<td>96345</td>
<td>50000</td>
<td></td>
<td>0.5</td>
<td>120</td>
<td>24</td>
</tr>
<tr>
<td>96346</td>
<td>100000</td>
<td></td>
<td>0.2</td>
<td>120</td>
<td>24</td>
</tr>
</tbody>
</table>

AMSCO METALLIZED RESISTORS
A two-arm potentiometer, controlled by superimposed knobs.
Enables you to secure two variable "C" bias potentials.
Used in connection with "B" eliminator and does away with C batteries.
No.

<table>
<thead>
<tr>
<th>Type</th>
<th>Ohms</th>
<th>Unit</th>
<th>Meg.</th>
<th>Each, 600 Volts</th>
<th>Each, 1500 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>96347</td>
<td>400</td>
<td></td>
<td>5</td>
<td>24</td>
<td>48</td>
</tr>
<tr>
<td>96348</td>
<td>1000</td>
<td></td>
<td>0.3</td>
<td>12</td>
<td>24</td>
</tr>
</tbody>
</table>

AMSCO RESISTOR COUPLERS
For use in resistance coupled audio amplifiers for Hi-Mas Tubes.
Furnished without resistors or grid gate.
No. 96360 Type RC 2 List $1.25 Each 75c

SPRAGUE MIDGET CONDENSERS
Fixed condensers of greater electrical efficiency, but half the usual size and quarter the weight.
Tested to 1300 volts, insuring user safety under highest voltages obtainable with modern "B" eliminators.
Have time-saving, pre-soldered, flexible lugs.
Used for detector grid condensers, as by-pass for high-frequency currents and for coupling condensers in resistance and impedance coupled circuits.

<table>
<thead>
<tr>
<th>Type</th>
<th>MFD. Each</th>
<th>No. MFD. Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96270 .00007</td>
<td>21c</td>
<td>96375 .002</td>
</tr>
<tr>
<td>96371 .0001</td>
<td>21c</td>
<td>96376 .005</td>
</tr>
<tr>
<td>96372 .00025</td>
<td>21c</td>
<td>96377 .006</td>
</tr>
<tr>
<td>96373 .0005</td>
<td>21c</td>
<td>96378 .01</td>
</tr>
<tr>
<td>96374 .001</td>
<td>24c</td>
<td>96379 .02</td>
</tr>
<tr>
<td>96380 .1</td>
<td>60c</td>
<td></td>
</tr>
</tbody>
</table>

MUTER VARIABLE CONDENSEN
Black bakelite shell. Accurately tested.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>93436 .000003 to .00001</td>
<td>$0.25</td>
</tr>
<tr>
<td>93437 .00015 to .0003</td>
<td>$0.95</td>
</tr>
</tbody>
</table>

REMLER Choke Coil
A radio frequency Choke Coil, No. 35.
1.0 millihenries. For Infrafactories, superhet and reflex circuits.
No. 94541. List $0.50 Each $0.58

PHASATROL ELECTRAD
PHASATROLS are particularly recommended for simple and effective way of balancing out and controlling radio frequency oscillations. Easily installed in new or old sets. Suits for any circuit having radio frequency amplifiers, tubes whether used, untuned or reflex. One phasatrol device completely eliminates any tendency to R.F. oscillation or distortion.

<table>
<thead>
<tr>
<th>Type</th>
<th>MFD.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>9615</td>
<td>82.75</td>
<td>$1.45</td>
</tr>
</tbody>
</table>

TONATROL Electrad
Tonatrol is the proper name for a volume control.
Licensed exclusively by Telefunken Co. and built to give superior service.
Packed 6 to a display carton.

<table>
<thead>
<tr>
<th>Type</th>
<th>MFD.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>96381</td>
<td>3.50</td>
<td>$0.90</td>
</tr>
<tr>
<td>96382</td>
<td>2.00</td>
<td>$1.20</td>
</tr>
</tbody>
</table>

Electrad TRUVOLT
The Electrad TRUVOLT is a volt-ampere control for "B" eliminators.

<table>
<thead>
<tr>
<th>Resistance</th>
<th>Mill.</th>
<th>Current</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>96381</td>
<td>71</td>
<td>.25</td>
<td>$3.50</td>
</tr>
<tr>
<td>96382</td>
<td>50</td>
<td>.50</td>
<td>$4.25</td>
</tr>
</tbody>
</table>

POTTER BY-PASS CONDENSER
Potter Condensers are well made, the tissues being of all linen or flax stock.
Hermetically sealed. Full rated capacity. 200 volt D.C. tested.

<table>
<thead>
<tr>
<th>No.</th>
<th>Cap. MFD.</th>
<th>List</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>96210</td>
<td>1.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96211</td>
<td>2.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96212</td>
<td>3.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96213</td>
<td>4.00</td>
<td>50c</td>
<td></td>
</tr>
</tbody>
</table>

POTTER FILTER CONDENSER
Medium Duty 750 Volt D.C. Tested, 400 Volt D.C. Working Voltage.

<table>
<thead>
<tr>
<th>No.</th>
<th>Cap. MFD.</th>
<th>List</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>96215</td>
<td>2.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96216</td>
<td>2.50</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96217</td>
<td>3.25</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96218</td>
<td>4.25</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96219</td>
<td>5.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96220</td>
<td>6.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96221</td>
<td>7.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96222</td>
<td>8.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96223</td>
<td>9.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96224</td>
<td>10.00</td>
<td>50c</td>
<td></td>
</tr>
</tbody>
</table>

Heavy Duty Filter Condensers
2000 Volt Tested, 1000 Volt Working Voltage.

<table>
<thead>
<tr>
<th>No.</th>
<th>MFD.</th>
<th>List</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>96231</td>
<td>2.00</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96232</td>
<td>2.50</td>
<td>50c</td>
<td></td>
</tr>
<tr>
<td>96233</td>
<td>3.00</td>
<td>50c</td>
<td></td>
</tr>
</tbody>
</table>

Special A-B-C Eliminator Filters
These condenser blocks are made especially for present-day muffling tubes such as Raytheon BC, CA-316 and 386, and ORS 400 Mill. tube.

<table>
<thead>
<tr>
<th>Type</th>
<th>MFD.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>96226</td>
<td>2.8.8</td>
<td>$12.75</td>
</tr>
<tr>
<td>96227</td>
<td>2.9.9</td>
<td>$12.00</td>
</tr>
<tr>
<td>96228</td>
<td>2.10.10</td>
<td>$12.25</td>
</tr>
<tr>
<td>96229</td>
<td>1.5.5</td>
<td>$12.75</td>
</tr>
<tr>
<td>96230</td>
<td>4.5.5</td>
<td>$12.75</td>
</tr>
<tr>
<td>96231</td>
<td>5.10.10</td>
<td>$12.75</td>
</tr>
<tr>
<td>96232</td>
<td>5.10.10</td>
<td>$12.75</td>
</tr>
<tr>
<td>96233</td>
<td>5.10.10</td>
<td>$12.75</td>
</tr>
</tbody>
</table>

THE HARRY ALTER CO., CHICAGO, ILL.
ELECTRAD ROYALTY
Non-Inductive HIGH RESISTANCES

The accepted standard for volume control. Non-inductive, non-hydro-scopic. Usually high current carrying capacity. Wire wound on genuine bakelite base. Resistance remains constant at every point.

No. Type
97000 "A" Variable Gridleak 1/10-7 meg.
97001 "B" Variable High Resistance, 1500-100,000 ohms
97002 "C" Variable High Resistance, 500-30,000 ohms
97003 "D" Deter Control for "I" Eliminators 10M-70M ohms
97004 "F" Variable High Resistance 0-2000 ohms
97005 "G" Variable High Resistance 0-6000 ohms
97006 "G" Variable High Resistance (Inductance) 0-10,000 ohms
97007 "H" Variable High Resistance 0-25,000 ohms
97008 "J" Variable High Resistance 0-50,000 ohms
97009 "K" Variable High Resistance 25-500,000 ohms
97100 "L" Compensator, 500,000 Potentiometer. List $2.00 Each

$1.20

90c

MUTER FIXED RHEOSTAT

Has permanent resistance wire hermetically sealed in glass tube. Black Bakelite base. Recommended only for audio or radio amplifying tubes. List 50c.

No. Type Amp.
95068 For 1 301-A 1/2c Each
95069 For 2 301-A .20
95070 For 3 301-A .75
95071 For 4 301-A 1.00
95072 For 1 299-6V .65
95073 For CX-112 .50
95074 For CX-220 .125

32c

30c

Bradley-

NEW TYPE BRADLEYSTAT

The new type Bradleystat, with three terminals. Will give perfect filament control for any standard tube, including UV-199 or UV-201A. Gives perfect filament control because of Graphite type. Absolute micrometer adjustment possible. With removable knob. List price, $1.85.

No. 91803 ........................................... $1.20

BRADLEYOHM TYPE A

This adjustable resistor for radio circuits is made in three ranges. With removable knob. List price, each type, $2.00.

No. Low High
91945 100 ohm 1,000 ohm
91946 1,000 ohm 10,000 ohm
91947 10,000 ohm 100,000 ohm
91948 25,000 ohm 500,000 ohm

$1.30

NEW TYPE E BRADLEYOHM

Particularly adapted for Raytheon Tube Eliminators and high voltage output. List Each

No. Type Ohm
91997 1E 100 5,00091942 105 10,0005000 $2.25
91941 5E 1,000-50,000 91998 25 25,000 1,000 $2.25

$1.46

BRADLEY LEAK


No. 91857 Each ........................................... $1.20

No. 91858 0.0005 M. F. Condenser for same ........................................... $2.22

THE HARRY ALTER CO., CHICAGO, ILL.
**CARTER MIDGET RHEOSTATS**

Metal shell, 1 3/4" in diameter, with Kurs-Kasch Bakelite knob. High-grade construction. CODE M.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>96131</td>
<td>2 Ohm</td>
<td>$0.75</td>
<td></td>
</tr>
<tr>
<td>96132</td>
<td>3 Ohm</td>
<td>$0.50</td>
<td></td>
</tr>
<tr>
<td>96133</td>
<td>6 Ohm</td>
<td>$0.35</td>
<td></td>
</tr>
<tr>
<td>96134</td>
<td>1 Ohm</td>
<td>$0.50</td>
<td></td>
</tr>
<tr>
<td>96135</td>
<td>2 Ohm</td>
<td>$0.50</td>
<td></td>
</tr>
<tr>
<td>96136</td>
<td>3 Ohm</td>
<td>$0.35</td>
<td></td>
</tr>
<tr>
<td>96137</td>
<td>5 Ohm</td>
<td>$0.30</td>
<td></td>
</tr>
</tbody>
</table>

**CARTER “Imp” Rheostats**

All-metal frame and self-cooling. The last word in high-grade small-frame design. One of the most popular types. Project back of panel less than 1/8" and is only 1/4" in diameter.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>96130</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>96131</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>96132</td>
<td>6</td>
<td>$1.00</td>
</tr>
<tr>
<td>96133</td>
<td>10</td>
<td>$0.60</td>
</tr>
<tr>
<td>96134</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>96135</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

**“Imp” POTENTIOMETERS**—A large number of small turns of wire per inch assures exceptional fine control.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>93408</td>
<td>200 ohm</td>
<td></td>
</tr>
<tr>
<td>93409</td>
<td>300 ohm</td>
<td></td>
</tr>
<tr>
<td>93410</td>
<td>500 ohm</td>
<td></td>
</tr>
</tbody>
</table>

**New Carter “Hi-Ohm” Voltage Control**

A non-inductive, wire protected, high resistance voltage control. With carbonised resistance element. Complete with Bakelite arrow pointer knob.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>93406</td>
<td>500,000</td>
<td></td>
</tr>
<tr>
<td>93407</td>
<td>100,000</td>
<td></td>
</tr>
<tr>
<td>93408</td>
<td>20,000</td>
<td></td>
</tr>
</tbody>
</table>

**New Carter “Hi-Pot” Potentiometer** with type with third terminal. Complete.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>93400</td>
<td>500,000 ohm</td>
<td></td>
</tr>
</tbody>
</table>

**Heavy Duty “Midget” Rheostats**

Provided with a resistance strip 1/2" wide which affords more radiant surface. Thoroughly reliable. Contact arm of new turned on design with smooth action. Code M.W.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>96134</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>96135</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>96136</td>
<td>5</td>
<td>$0.75</td>
</tr>
<tr>
<td>96137</td>
<td>10</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**Three New Types for New A126 Tubes**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>96132</td>
<td>2 ohm</td>
<td>Each 45c</td>
</tr>
<tr>
<td>96133</td>
<td>10 ohm</td>
<td>Each 45c</td>
</tr>
<tr>
<td>96134</td>
<td>2 ohm</td>
<td>Each 45c</td>
</tr>
</tbody>
</table>

**CARTER CX 371 ADAPTER**

Adapts 112 and 371 tubes for all sets not properly wired. Leads plainly marked.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>96178</td>
<td>List</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

**HARRY ALTERS’ RADIO BOOK**

DEC., 1927

The new DE LUXE series of rheostats with many improvements will set a new record this year. Smoother operation and additional safety under heavy load. A precision rheostat that gives excellent service.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ohm</th>
<th>Amp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>96420</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>96421</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>96422</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>96423</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>96424</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>96425</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

**DE LUXE SERIES 1800 BAKELITE**

Those who prefer a Bakelite rheostat will find the FROST to have really superior features. Smooth, even action.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ohm</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>96448</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>96449</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>96450</td>
<td>6</td>
<td>$1.10</td>
</tr>
<tr>
<td>96451</td>
<td>10</td>
<td>Each, $0.66</td>
</tr>
<tr>
<td>96452</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>96453</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>96454</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

**De Luxe Frost Rheostats**

With Filament Switch

Reduces number of controls on panel. Has spring design which keeps it firmly in off position. Highest grade quality.

<table>
<thead>
<tr>
<th>Series S 7100 Metal Frame</th>
<th>Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 96444</td>
<td></td>
</tr>
<tr>
<td>No. 96445</td>
<td></td>
</tr>
<tr>
<td>No. 96446</td>
<td></td>
</tr>
<tr>
<td>No. 96447</td>
<td></td>
</tr>
</tbody>
</table>

**De Luxe Variable High Resistances**

Incorporates many refinements. Smooth as silk, no jerks, no jumps. Roller contact eliminates all friction and mechanical wear. Enclosed in highly polished bakelite case. New style black bakelite knob with engraved white arrow. No terminals. SERIES 1890.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>96455</td>
<td>2,000</td>
</tr>
<tr>
<td>96456</td>
<td>10,000</td>
</tr>
<tr>
<td>96457</td>
<td>25,000</td>
</tr>
<tr>
<td>96458</td>
<td>50,000</td>
</tr>
<tr>
<td>96459</td>
<td>100,000</td>
</tr>
<tr>
<td>96460</td>
<td>200,000</td>
</tr>
<tr>
<td>96461</td>
<td>500,000</td>
</tr>
<tr>
<td>96462</td>
<td>50,000 Spec. Infradyne,</td>
</tr>
</tbody>
</table>

**PICK YOUR NEW “A” POWER SUPPLY**

from our extensive listings on pages 12 to 21

**THE LATEST**
HARRY ALTER'S

UNIVERSAL SPRING SOCKET

No. 93361 Without Spring Cushion... $0.35
93362 With Spring Cushion.............. $0.22

NA-ALD ADAPTERS

The line of NA-ALD Adapters is complete. It permits the interchange of new tubes without changing sockets.

No. For Tube Into Socket List Each
93505 CX208 or
93506 CX209 or
93507 CX210 or
93508 CX211, Standard........ $0.50
93509 Any CX.. .2911........... .75
93510 Any CX.. .3911........... 1.00
Adapters with Marked Connection for "B" and "C" Leads
93511 CX220, Standard........ $1.25
93512 CX221, Standard........ $1.25
93513 CX112, Standard........ $1.50
No. 3350 holds tube horizontal, others are held upright.

SILVER-MARSHALL CX SOCKET

Made of moulded bakelite with the best grade of phosphor bronze springs. The Silver-Marshall Socket has a single mounting screw, plainly marked and of the usual high S-M quality.

No. 93368—List, 50c. Each........ 30c

NEW 5-PRONG SOCKET

Type 512 For new HC
Detector tube. No. 96202
List............... 50c
Each.................. 30c

FROST CX SOCKET

A well constructed push-type socket, made of bakelite. Positively self-cleaning. A big factor is its compactness, absolute reliability and the high lustre of its nice finish. A real value.

No. 92988—List, 40c. Each........ 24c

EBY CX SOCKET

Contains float tube on springs and eliminates microphonic noises. Three-point positive wiper contact at all times. A superior Eby product. 10 Lots

No. 92853—List, 40c. Each........ 24c

DE JUR SOCKETS

Made of Bakelite. Fits into small space and heavily nickel-plated phosphor springs. A real value.

No. 96311 List Each.............. 22c
No. 96312 List Each.............. 30c

GENERAL RADIO

The General Radio Company Apparatus have been developed by experienced radio engineers.

AUDIO TRANSFORMERS Type 285

Type 285-I) has been designed with high input impedance for use after CX-300A detector tube. Type 285-II has a turn ratio of 1 to 6 and gives high even amplification curve between 100 and 4000 cycles.

No. 97153 Type 285-H
Ratio 1 to 6 List $6.00 Each $3.90

Type 285-D Ratio 1 to 3 List $6.00 Each $3.90

BENZIMIN

NEW BENJAMIN 5-PRONG SOCKET

No. 96126 With Base........... 3.25
96127 Sub-Panel Mounting........ 1.80

The AIRGAP SOCKET

AIRGAP Sockets are built of high resistance bakelite with strong phosphor bronze alloy contacts.

No. 94953 List Each.............. 36c

FROST CX SOCKET

FROST RADIOMOUNT

Frost Radiomounts are designed for use with CX-457A and CX-457D tubes. They embody the Frost Radiomount concept and are designed with the Frost Radiomount idea in mind. They are made of bakelite and are self-cleaning. They are also designed with a bakelite suspension, which makes them positive to the tube and prevents any damage to the tube during insertion or removal. They are available in two types: the Frost Radiomount Type 200 and the Frost Radiomount Type 201. The Frost Radiomount Type 200 is designed for use with CX-457A tubes and the Frost Radiomount Type 201 is designed for use with CX-457D tubes. Both types are available in two colors: black and red. They are also available in two sizes: large and small. The Frost Radiomount Type 200 is available in black and red and the Frost Radiomount Type 201 is available in black and red. They are also available in two types: the Frost Radiomount Type 200 and the Frost Radiomount Type 201. The Frost Radiomount Type 200 is designed for use with CX-457A tubes and the Frost Radiomount Type 201 is designed for use with CX-457D tubes. Both types are available in two colors: black and red. They are also available in two sizes: large and small.
299 SOCKET ADAPTER
A molded adapter, permitting the use of 299 tubes in any standard socket.
No. 92162 List 40c Each 22c

FROST CX Adapter
This bakelite adapter fits CX99 and CX309 into standard Navy Type sockets.
No. 93057 List 25c Each 15c

TYRMAN VERNIER DRUM
Universal mounting makes it adaptable for all popular condensers. Combines unequaled beauty with mechanical accuracy. Distinct visibility of gradations. "Smoothest" action through absence of back-lash. 5" drum and vernier are masterpieces of bakelite molding. Very ornamental escutcheons for all POPULAR CONDENSERS.

No. Type List Each
96364 Single control 5.00 $3.00
96367 Two-dial control 10.00 6.00

AMSCO SOCKETS
FLOATING SOCKET
A rugged socket, yet delicately balanced, positively isolated from mechanical shock. Eliminates microphonics. A real super-efficient de luxe socket that will result in improved reception.
No. 96361 List 1.00 Each 60c

AMSCO UNIVERSAL SOCKET
A socket of real merit. Frets are of best grade phosphor bronze and provide bulldog grip.
No. 96362 List 50c Each 30c

PILOT VERNIER DRUM CONTROL
Provides fast motion and slow motion wheels. On the double drum both wheels can be moved simultaneously or singly. No back lash. Complete template. 3/4" inch shaft. Condensers can be mounted on either side.
No. 97130 Single Drum List $3.75 Each $2.25
No. 97131 Double Drum List 7.00 Each 4.20

SILVER-MARSHALL UNIVERSAL DIAL
Comes with reversible indicator plate. Radio 14¼ to 1. Absolutely no back-lash. Provided with logging space in which label letters may be written. Will fit any condenser either left or right, half or full movement. Black bakelite.
No. 93367 List $2.00 Each 120c

FROST-RADIO
Ask Your Neighbor
Frost Standard Jacks
Frost Standard has been maintained on these quality jacks though the price is made very attractive. Sturdily constructed. Excellent spring action and absolute contact guaranteed.

No. 92980 Open Circuit List Each $0.45 $0.27
No. 92981 Closed Circuit List Each .50 .30
No. 92982 Radio Frequency Dbl. Circuit List Each .60 .36

FROST "GEM" JACKS
Smallest and most compact Jack ever offered. Extends only 1" back of panel. Built on entirely new principle of spring design. Very positive contact.

No. 93464 Circuit List Each $0.50 .27
No. 93466 Single, Closed List .45 .30
No. 93467 Double List .50 .30
No. 93468 Single, Filament Control List .50 .30

BATTERY CABLE 5-WIRE PLUG
Two-piece composition connector plug base or panel mounting for 5-wire battery cable.
No. 93066 List Each 31c

KURZ - KASCH Aristocrat VERNIER DIAL
A very popular dial with an efficient vernier arrangement having a ratio of 14 to 1. Very much in demand for many circuits. Furnished in Black color with white filler, or Mahogany or Walnut effect with gold filler. Housing measures 4¾ x 4¾". Black color will be shipped unless otherwise specified. List $2.00.
No. 92983 200 to 0 No. 92984 0 to 200 1.20 Each Less 2%...

KURZ - KASCH KNOBS
Furnished in black, mahogany or walnut. SPECIFY COLOR when ordering.

ARROW KNOBS

No. List Each
96481 1½ and 1¼ 12c 9c
96482 1½ and 1¾ 20c 12c

POINTER KNOBS

No. List Each
96483 2½ and 1¾ 30c 18c
96484 3½ and 1¾ 45c 27c

4-INCH DIAL

No. List Each
96485 100 to 0, Type 566 85c 51c
96486 0 to 100, Type 567 85c 51c

PILOT KILOGRAD
A new and improved vernier dial (ratio 10 to 1), which indicates both degrees and kilocycles. 4 inch black bakelite dial.
No. 93499 List .81.00 Each .60c

PILOT ART DIAL
A De Luxe Model, that will dress up any set. Will easily carry gang condensers. Can be used clock or counter-clockwise.
No. 96499 Each .32c
Yaxley Approved Radio Products are made to give reliable and lasting service and are fully guaranteed.

CABLE CONNECTORS
A superior connector that disconnects set from batteries at will. Bakelite plug base, no loosening of the pins and springs and is easily soldered. All terminals plainly marked with RMA color code. For sets with binding posts.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Complete Cable, Plate and Plug.</th>
<th>List $3.50</th>
<th>Each $2.10</th>
</tr>
</thead>
<tbody>
<tr>
<td>96256</td>
<td>660</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>96257</td>
<td>650</td>
<td>Plug and Cable only...........</td>
<td>List $2.25</td>
<td>Each $1.35</td>
</tr>
<tr>
<td>96258</td>
<td>680</td>
<td>Mounting Plate only...........</td>
<td>List $0.75</td>
<td>Each $0.45</td>
</tr>
<tr>
<td>96259</td>
<td>695</td>
<td>Receptacle Plate..............</td>
<td>Each 85c</td>
<td></td>
</tr>
<tr>
<td>96260</td>
<td>635</td>
<td>Pin Plug.....................</td>
<td>Each 30c</td>
<td></td>
</tr>
<tr>
<td>96261</td>
<td>640</td>
<td>Pin Plug with 15 in. leads...</td>
<td>Each 75c</td>
<td></td>
</tr>
</tbody>
</table>

CABLE CONNECTOR
Plug Type
For installation directly in set. With mounting plate.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List $3.60</th>
<th>Each $1.80</th>
</tr>
</thead>
<tbody>
<tr>
<td>96256</td>
<td>660</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96257</td>
<td>650</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96258</td>
<td>680</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96259</td>
<td>695</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96260</td>
<td>635</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96261</td>
<td>640</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CONVENIENCE OUTLETS
These outlets are the proper way of house and apartment installations. Yaxleys are in big demand and you should stock these items.

<table>
<thead>
<tr>
<th>Type 137</th>
<th>Type 135</th>
<th>Type 136</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 137</td>
<td>TYPE 135</td>
<td>TYPE 136</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The above outlets are also furnished in combinations.

<table>
<thead>
<tr>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96256</td>
<td>660</td>
<td></td>
</tr>
<tr>
<td>96257</td>
<td>650</td>
<td></td>
</tr>
<tr>
<td>96258</td>
<td>680</td>
<td></td>
</tr>
<tr>
<td>96259</td>
<td>695</td>
<td></td>
</tr>
</tbody>
</table>

YAXLEY JUNIOR JACKS
A small, compact, well built Jack that extends only 1/4 inch behind panel. Same characteristics as standard jacks. A very fine dial.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96296</td>
<td>701</td>
<td>0.20</td>
<td></td>
</tr>
<tr>
<td>96297</td>
<td>702</td>
<td>0.20</td>
<td></td>
</tr>
<tr>
<td>96298</td>
<td>703</td>
<td>0.20</td>
<td></td>
</tr>
<tr>
<td>96299</td>
<td>704</td>
<td>0.20</td>
<td></td>
</tr>
</tbody>
</table>

REMELER DRUM-DIAL
A fine Remeler product. No backbone. Will drive single, double or triple condenser. Used in Infraclye and other circuits.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96303</td>
<td>750</td>
<td>0.20</td>
<td>55c</td>
</tr>
</tbody>
</table>

SILVER-MARSHALL DRUM-DIAL
Suitable for any type standard shaft condensers. Universal for either right or left hand position. With Lamp Bracket.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
<th>Less 25c</th>
</tr>
</thead>
<tbody>
<tr>
<td>96298</td>
<td>750</td>
<td>0.20</td>
<td>55c</td>
<td>$1.80</td>
</tr>
</tbody>
</table>

YAXLEY RHEOSTATS and POTENTIOMETERS
The original air-cooled rheostat with a velvety smooth action and fine adjustment. Base is bakelite. Very close adjustment. Single hole mounting. Complete with bakelite knob.

<table>
<thead>
<tr>
<th>No.</th>
<th>Ohm</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>96279</td>
<td>100</td>
<td>100K</td>
</tr>
<tr>
<td>96280</td>
<td>100</td>
<td>100K</td>
</tr>
<tr>
<td>96281</td>
<td>100</td>
<td>100K</td>
</tr>
<tr>
<td>96282</td>
<td>20</td>
<td>20K</td>
</tr>
<tr>
<td>96283</td>
<td>20</td>
<td>20K</td>
</tr>
<tr>
<td>96284</td>
<td>20</td>
<td>20K</td>
</tr>
<tr>
<td>96285</td>
<td>20</td>
<td>20K</td>
</tr>
</tbody>
</table>

PILOT LIGHT BRACKET

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96297</td>
<td>670</td>
<td>0.75</td>
<td>75c</td>
</tr>
</tbody>
</table>

PILOT LIGHT Switch
Red Jewel with battery switch.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96298</td>
<td>670</td>
<td>0.75</td>
<td>75c</td>
</tr>
</tbody>
</table>

Cable Markers
Easily read markers, convenient to attach. Marker hugs the wire and can be drawn through small hole. Each box contains 16 markers.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96299</td>
<td>670</td>
<td>0.75</td>
<td>75c</td>
</tr>
</tbody>
</table>

PUP JACK and PUP PLUG
Pup Jack is easy to mount on front, sub or rear panels. Ideal for polejack, breaker, ground and connections.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96300</td>
<td>670</td>
<td>0.75</td>
<td>75c</td>
</tr>
</tbody>
</table>

Premier Micro-Dial
Attractive, all-brass, 4 inch dial finished in gold and crystalized black lacquer. Beautiful in appearance. 6-1/8 or 10-3/8 Reading.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96301</td>
<td>670</td>
<td>0.75</td>
<td>75c</td>
</tr>
</tbody>
</table>
CARTER "Hold-Tite" JACKS

A Strictly Quality Line of Jacks

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Springs Break Make</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>92450</td>
<td>Open</td>
<td>1</td>
<td>50c</td>
</tr>
<tr>
<td>92451</td>
<td>Closed</td>
<td>2</td>
<td>65c</td>
</tr>
<tr>
<td>92452</td>
<td>Closed</td>
<td>1</td>
<td>65c</td>
</tr>
<tr>
<td>92453</td>
<td>Single Fil.</td>
<td>3</td>
<td>70c</td>
</tr>
<tr>
<td>92454</td>
<td>Double Fil.</td>
<td>2</td>
<td>80c</td>
</tr>
<tr>
<td>92455</td>
<td>Double Fil.</td>
<td>1</td>
<td>90c</td>
</tr>
<tr>
<td>92456</td>
<td>Dbl. Automatic</td>
<td>7</td>
<td>$1.05</td>
</tr>
</tbody>
</table>

CARTER "SHORT" JACKS

This Jack makes good contact with any plug. Heavy Bakelite insulators. Solder lugs are widely spaced to facilitate soldering. 1 inch back of panel.

<table>
<thead>
<tr>
<th>No.</th>
<th>Open Circuit</th>
<th>List Each</th>
<th>Closed Circuit</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>93409</td>
<td>..................</td>
<td>25c</td>
<td>15c</td>
<td></td>
</tr>
<tr>
<td>93410</td>
<td>..................</td>
<td>30c</td>
<td>18c</td>
<td></td>
</tr>
</tbody>
</table>

CARTER RECEPACLES

Many buildings are now being wired for radio. All Jacks are standard and can be mounted in standard outlet boxes or directly on wall or baseboard. Screws for both types of mounting are supplied. Any standard radio plug can be used. A bulletin giving detailed information has been prepared by Carter and will be supplied free to anyone interested. Carter receptacle Jacks will give entire satisfaction.

No. 93421 As illustrated, furnished complete with brass escutcheon plate and name "Radio." FOR PARALLEL CONNECTION. List $0.80 Each $0.45

No. 93422 As illustrated, same as above, but equipped with 2A closed circuit Jack for special use. List $0.85 Each $0.45

CARTER RADIO RECEPTACLE WITH VOLUME CONTROL

Latest type of loud speaker outlet Jack, provided with Carter "HI-COM" volume control. Enables you to control volume of speakers without disturbing set.

No. 93423 As illustrated. List $2.75 Each $1.65

CARTR SPEAKER OUTLET JACK

Consists of two cord tip Jacks mounted on standard outlet plate. Speaker cord tips can be easily placed in. Type 818.

No. 93433 List 90c Each 36c

DE-JUR Power Rheostat

Designed for large current carrying capacity. 2¼ in. bakelite base, single hole mounting. Contact arm rides smoothly over surface. Adopted by leading manufacturers.

No. Ohm | List Each | List Each |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>96755</td>
<td>½</td>
<td>$2.00</td>
</tr>
<tr>
<td>96756</td>
<td>6</td>
<td>$3.00</td>
</tr>
<tr>
<td>96757</td>
<td>20</td>
<td>$5.00</td>
</tr>
<tr>
<td>96758</td>
<td>30</td>
<td>$9.00</td>
</tr>
<tr>
<td>96759</td>
<td>500</td>
<td>$1.20</td>
</tr>
</tbody>
</table>

BEST QUALITY MAGNET WIRE

Best quality magnet wire on handy wooden spools. Our stock is complete and we make immediate shipment on all sizes.

On ½-Lb. Spools

Net Prices per Spool

<table>
<thead>
<tr>
<th>Size</th>
<th>No.</th>
<th>Price</th>
<th>Single Cotton</th>
<th>Double Cotton</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>92350</td>
<td>$0.24</td>
<td>92357</td>
<td>$0.25</td>
</tr>
<tr>
<td>20</td>
<td>92351</td>
<td>$0.25</td>
<td>92358</td>
<td>$0.26</td>
</tr>
<tr>
<td>22</td>
<td>92352</td>
<td>$0.27</td>
<td>92359</td>
<td>$0.28</td>
</tr>
<tr>
<td>26</td>
<td>92354</td>
<td>$0.32</td>
<td>92361</td>
<td>$0.34</td>
</tr>
<tr>
<td>30</td>
<td>92355</td>
<td>$0.34</td>
<td>92362</td>
<td>$0.36</td>
</tr>
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</table>

On ½-Lb.—Spools—Net Prices per Spool

<table>
<thead>
<tr>
<th>Size</th>
<th>No.</th>
<th>Price</th>
<th>No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>92371</td>
<td>$0.16</td>
<td>92378</td>
<td>$0.16</td>
</tr>
<tr>
<td>20</td>
<td>92372</td>
<td>$0.17</td>
<td>92379</td>
<td>$0.19</td>
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<tr>
<td>22</td>
<td>92373</td>
<td>$0.19</td>
<td>92380</td>
<td>$0.21</td>
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<tr>
<td>26</td>
<td>92375</td>
<td>$0.22</td>
<td>92382</td>
<td>$0.25</td>
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<tr>
<td>30</td>
<td>92377</td>
<td>$0.24</td>
<td>92384</td>
<td>$0.34</td>
</tr>
</tbody>
</table>

JONES MULTI-PLUG

Eliminates all messy wiring from set to batteries. New 1928 Line.

COMPLETE FOR SUB-PANEL MOUNTING—TYPE PM

<table>
<thead>
<tr>
<th>No.</th>
<th>Contact</th>
<th>List</th>
<th>Each</th>
<th>No.</th>
<th>Contact</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96965</td>
<td>5</td>
<td>$1.50</td>
<td>96966</td>
<td>7</td>
<td>$1.75</td>
<td>96967</td>
<td>9</td>
</tr>
<tr>
<td>96968</td>
<td>10</td>
<td>$2.25</td>
<td>96969</td>
<td>12</td>
<td>$2.50</td>
<td>96970</td>
<td>12</td>
</tr>
<tr>
<td>96986</td>
<td>4</td>
<td>$2.00</td>
<td>96987</td>
<td>5</td>
<td>$2.00</td>
<td>96988</td>
<td>6</td>
</tr>
<tr>
<td>96989</td>
<td>10</td>
<td>$3.00</td>
<td>96990</td>
<td>12</td>
<td>$3.00</td>
<td>96991</td>
<td>12</td>
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</table>

COMPLETE FOR BASE MOUNTING—TYPE BM

<table>
<thead>
<tr>
<th>No.</th>
<th>Contact</th>
<th>List</th>
<th>Each</th>
<th>No.</th>
<th>Contact</th>
<th>List</th>
<th>Each</th>
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</thead>
<tbody>
<tr>
<td>96971</td>
<td>5</td>
<td>$2.00</td>
<td>96972</td>
<td>7</td>
<td>$2.75</td>
<td>96973</td>
<td>9</td>
</tr>
<tr>
<td>96974</td>
<td>10</td>
<td>$3.50</td>
<td>96975</td>
<td>12</td>
<td>$3.50</td>
<td>96976</td>
<td>12</td>
</tr>
</tbody>
</table>

COMPLETE FOR BINDING POST ASSEMBLY—TYPE B. P.

<table>
<thead>
<tr>
<th>No.</th>
<th>Contact</th>
<th>List</th>
<th>Each</th>
<th>No.</th>
<th>Contact</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96997</td>
<td>6</td>
<td>$3.75</td>
<td>96998</td>
<td>6</td>
<td>$3.75</td>
<td>96999</td>
<td>6</td>
</tr>
</tbody>
</table>

COMPLETE FOR WALL BOX TYPE

<table>
<thead>
<tr>
<th>No.</th>
<th>Outlet</th>
<th>List</th>
<th>Each</th>
<th>No.</th>
<th>Outlet</th>
<th>List</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>96990</td>
<td>6 Ft. Cable</td>
<td>$1.05</td>
<td>96991</td>
<td>6 Ft. Cable</td>
<td>$1.05</td>
<td>96992</td>
<td>6 Ft. Cable</td>
</tr>
</tbody>
</table>

DE-JUR Wire, 25', furnished complete with Brass screw for holding to wall. Price 90c. For outers, 18c. Write for Complete Circulars

BEETTER BILT JACKS

Have solid brass, heavily nickelled frame, and high tempered nickel-plated Spring Blade, with pure silver contacts. Insulation spacers are of Bakelite. The fast construction of contact lugs makes soldering easy.

No. Each 10 Lots
| 91676 | Closed Circuit | $1.00 | $1.00 |

KESTER SOLDER

Kester Solder is self-fluxing from tiny pockets inside strip. Ideal for all uses.

<table>
<thead>
<tr>
<th>ACID CORE SOLDER</th>
<th>RESIN CORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>91031 1 Lb. 69c</td>
<td>91044 1 Lb. 69c</td>
</tr>
<tr>
<td>91032 5 Lbs. 65c</td>
<td>91045 5 Lbs. 65c</td>
</tr>
<tr>
<td>91033 10 Lbs. 64c</td>
<td>91046 10 Lbs. 64c</td>
</tr>
</tbody>
</table>

STRIPS

Contains about 15 strips, 18 in. long. Resister No. 91034 5 Lb. Pack. Per Lb. 65c

HOUSEHOLD PACKAGE

1/2 Lb. Cells in Display Carton, 10 per Carton, No. Each Carton 91037 Resin 17c $1.50

WIRE SOLDER ON SPOOLS

Warranted solder 55-50 type on 25 and 50 lb. spools.

<table>
<thead>
<tr>
<th>91339</th>
<th>25 Lb.</th>
<th>50 Lb.</th>
<th>Per Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>91339A</td>
<td>0.40</td>
<td>0.40</td>
<td>0.40</td>
</tr>
</tbody>
</table>
HARRY ALTER'S  RADIO BOOK  DEC., 1927

CARLTER

CARLTER "IMP" CORD TIP JACK AND PLUG


No. 92472 "Imp" Jack. List............ $0.25 Each........ $0.15
No. 92471 "Imp" Plug. List............ $0.45 Each........ $0.30

CARLTER CORD TIP JACK

A simple, reliable cord tip jack with nickel plated mounting thimble. 3/8" hole. Minimum space required.

No. 93420 List............ $0.10 Each........ $0.06

CARLTER IMP BATTERY SWITCH

Quarter turn snap switch makes positive contact. "On and off" name plate with pointer. One hole mounting Complete. No. 92644 List $0.65 Each $0.39

CARLTER NO. 2 BATTERY SWITCH

Mounts in small space. Intended for 6 volt circuit. Complete with on and off name plate. No. 96177 List .......... 50c Each .......... 30c

CARLTER JACK SWITCH

Mounts on panel same as a jack, and is used to open and close circuits. Will safely carry 10 amperes. Insulation is Westinghouse Mercial. Frame is nickel plated and polished on all sides.

No. 92463 List, 75c Each ........... 45c

CARLTER "IMP" INDUCTANCE SWITCH

Wiper contact arm always makes firm contact. One hole mounting. Furnished with arrow pointer black knob.

No. 93414 List, Each............ $1.00 $0.60
No. 93415 5 Points............ 1.05 .63
No. 93416 7 Points............ 1.15 .69
No. 93417 9 Points............ 1.25 .75

(Half size)

GENERAL RADIO

Type 260 Wall Insulator

May be used inside to support wiring or instruments, or outside for supporting leading or ground wires. Glazed brown porcelain. Nuts, washers and polished nickel mounting screws also included.

No. 97152............. List 25c Each .......... 16c

BENJAMIN BATTERY SWITCH

An extremely light and compact switch providing positive and sure contacts. Requires only one 3/4-inch hole in panel and no washers are needed in mounting. Adjustable by means of a locking nut.

No. 92719 List, $0.30 Each, $0.21 10 Lots, $0.19

PUSH-PULL SWITCH

Outside part polished nickel finish. Fits any thickness panel.

No. 92163 Each ........... 16c

LIGNOLE DECORATED PANELS

FOR SPECIAL KITS

LIGNOLE Panels can also be supplied in drilled and lettered form for the more popular kits. Prices quoted on special panels on application.

No. List Each
96990 Tyman 10 ("7" x 20")............. $9.00 $5.85
96991 Victor Chamberlin............. $9.00 $5.85
96992 B.T. Power Six............. 8.50 5.53
96993 World’s Record............. 9.00 5.85

PHONE-JACKS

The mechanical design of these jacks is perfect. Phone tip is held absolutely rigid and is released by pressing outer ring.

No. 92997 List............ $0.15 Each........ $0.09

FROST LOOP PLUGS AND JACKS

Fills the need for a good dependable plug and jack.

No. 92920 Loop plug and Jack complete........ $1.50 $0.90
No. 92921 Loop Plug only........ $0.75 $0.45
No. 92922 Loop Jack only........ $0.75 $0.45

MUTER

DOUBLE THROW SWITCHES


No. Pole Type Throw List Each
93441 Single............. $0.60 $0.36
93442 Double............. .85 .48
93443 Triple............. 1.25 1.00
93444 Five............. 2.00 1.20

PORCELAIN BATTERY SWITCH

Well made porcelain base battery switches with copper backs, composition handle, accessible binding posts. For use on low voltages, such as radio and B batteries, bell circuits, etc.

No. Type Throw List Each
90926 Single Pole Single Throw............. $0.12 $0.10
90927 Single Pole Double Throw............. .18 .16
90928 Double Pole Single Throw............. .19 .17
90929 Double Pole Double Throw............. .26 .24

BRACKETS

Well-made, substantial brackets, highly nickel-plated and recommended for all radio work.

No. Length Each Lot 100
94625 1’x1’...... 10 Per $0.12 $0.08 $0.06
94626 1’x1 1/2’...... $0.25 $0.21 $0.18
94627 1’x2’...... $0.42 $0.40 $0.37
94628 1’x2 1/2’...... $0.50 $0.50 $0.45
94629 1’x4 1/2’...... $0.75 $0.75 $0.70

BENJAMIN SELF-SUPPORTING BRACKETS

The new bracket with the adjustable pivoting ends can be mounted vertically or at any desired angel. A superior feature. Dull nickel finish. For Pair.

No. 92745 Adjustable List $1.25 Each 81c 6 Lots 75c
No. 92744 Regular List .70 Each 45c 8 Lots 42c

LIGNOLE "Inlad" Panels

LIGNOLE Panels are made of genuine wood and endorsed by leading engineers. Either finished plain walnut or with beautiful wood inlays. Has genuine rotary walnut face. Outside borders on Inlad type are of a darker shade than body panel.

No. Step List Each
96465 7x18 $0.92 $0.43
96466 7x20 $0.95 $0.45
96467 7x22 $0.98 $0.48
96468 7x26 $1.05 $0.50
96469 7x30 $1.15 $0.60
96470 7x33 $1.20 $0.65

INLAID PANELS

No. Step List Each
96466 7x18 $0.92 $0.43
96467 7x20 $0.95 $0.45
96468 7x22 $0.98 $0.48
96469 7x26 $1.05 $0.50
96470 7x30 $1.15 $0.60
96471 7x33 $1.20 $0.65

PLAIN PANELS

No. Step List Each
96465 7x18 $1.94 $0.91
96466 7x20 $2.04 $0.94
96467 7x22 $2.14 $0.96
96468 7x26 $2.24 $1.04
96469 7x30 $2.34 $1.12
96470 7x33 $2.40 $1.21

THE HARRY ALTER CO., CHICAGO, ILL.
ERLA FIXED CRYSTAL
A carefully tested crystal designed for Erla Reflex to rectify incoming signals. No adjustments necessary. Has solid gold contact point preventing oxidation. List price $1.00.
No. 92447 Each $0.60

CELEBRUM "De-Tex-lt"
A permanent detector unequalled for reflex or crystal sets. Eliminates all cat whisker troubles and needs no adjustment. Scientifically constructed give power, volume and dearness.
No. 9467 List $1.25 Each

PROMPT SHIPMENT
During the last weeks we were somewhat handicapped by slow delivery from manufacturers. But now we have stocks of all merchandise listed in this catalog on hand and can make immediate shipment. We carry a good supply of every article—Send your orders to Harry Alter for prompt service.

NEW HOTPOINT SOLDERING IRON
The new type is furnished with two detachable tips.
Famous Calrod element. Finest all around iron.
No.
94234 5/8" 32$ .25
94235 5/8" 95 .35 .25 .28 .10
94236 5/8" Extra Tip .10 .07
94237 5/8" Extra Tip .10 .07

"American Beauty" SOLDERING IRON
"American Beauty" soldering irons do the work easier, quicker and better. A very popular electric tool.
No.
92804 5/8" 18 oz. $8.00 $5.33
92805 5/8" 25 oz. 9.25 6.20
92856 5/8" 42 oz. 11.50 7.67

ELECTRA-HOT SOLDERING IRON
Contains a Nichrome element easily removed if replacement is necessary. Equipped with two interchangeable tips, one for radio use, the other for ordinary use. Guaranteed for one year.
No. 91876... List $2.00 Each $1.40 10 Lots $1.30

STAR-RITE SOLDERING IRON
A high-grade product, that you can sell at an attractive price.
No. 94850 ......... Each 85c 6 Lots 79c

BALL PEN HAMMER
The ideal hammer for lighter work. Formed from solid steel bar, well nickled, fitted tight. Head cannot come loose. 3 sizes and weights.
No.
91925 7 1/2" 1 lb. 6 oz. 11c 10c
91926 8 1/2" 2 lb. 9 oz. 15c 14c
91927 9 1/2" 3 lb. 10 oz. 17c 16c

TOOLS
RADIO HAND DRILL
Capacity is 0 to 1/2 inch. Heavy nickle plated frame, highly polished.
No. 53501 ......... Each $1.34

BETTER-CUT HACK SAW BLADES
Special Steel Construction
Has hard cutting edge and soft back, reducing breakage.
8 inch........... 10 inch........... 12 inch
No. 52421 Dsr. 37c No. 52422 Dsr. 43c No. 52423 Dsr. 53c

4-IN-1 SCREW DRIVER
A practical combination tool. Each driver insulated.
No. 51881 ......... Each 49c

HAN-D HAMMER
Combination tool. Hammer is 17 1/2 in. long. Screw Drivers, one 1/4 in., 1/2 in. and 1 1/4 in. long.
No. 56910 ......... Each 79c

BRIDGEPORT MATCHLESS SCREW DRIVER
Special analysis steel blades tempered from ferrule to point. Steel extends clear through ferrule, blade and handle and by hex. shape at the butt.

LONG NOSE PLIERS
A tool that every radio mechanic wants.

6 Inch NICKEL PLIERS
Genuine drop forged steel, properly tempered.
No. 51706 ......... Each 16c

DUTCH BRAND FRICTION TAPE
The nationally advertised Dutch Brand is an easy tape to handle and economical to use. Very strong with a lasting adhesive.
No.
3879 1/2" 8 oz. 18c 10c
3880 1/2" 4 oz. 10c
3881 1/2" 2 oz. 05c

HOLD-E-ZEE SCREW DRIVER
A new handy tool for starting screws in those hard-to-get-at places. The gripper holds the screw tight while you drive it home.
No. 51825 ......... Each 45c

HANDY WRENCH SET
A combination of 6 wrenches, suitable for radio work. Fits all sizes nuts used. An extremely handy article.
No. 96092 ......... Per Set 14c 10 Lots 12c

SCREW ASSORTMENT
A handy assortment of nickle screws, lugs, nuts and washers commonly used in set building. 100 pieces to a box. List 50c.
No. 92873 Each, $0.27 10 Boxes, $2.55
BELDEN COLORUBBER FLEXIBLE HOOK-UP WIRE

The ideal wire for set hook-ups. Flexible and easy to use. Different colors facilitate making the connections. Soft tinned copper wire solders easily. Put up in cartons, 25 ft. coils.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Color</th>
<th>No.</th>
<th>Color</th>
<th>Per Lb.</th>
<th>Per lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>94534</td>
<td>Natural</td>
<td>40c</td>
<td>94535</td>
<td>Green</td>
<td>40c</td>
<td>$0.24</td>
</tr>
<tr>
<td>94536</td>
<td>Blue</td>
<td>40c</td>
<td>94537</td>
<td>Red</td>
<td>40c</td>
<td>$0.24</td>
</tr>
<tr>
<td>94617</td>
<td>Brown</td>
<td>40c</td>
<td>94618</td>
<td>Yellow</td>
<td>40c</td>
<td>$0.24</td>
</tr>
<tr>
<td>94533</td>
<td>Black</td>
<td>40c</td>
<td>94538</td>
<td>No.</td>
<td>14 Square</td>
<td>$0.41</td>
</tr>
<tr>
<td>94539</td>
<td>No.</td>
<td>14 Round</td>
<td></td>
<td></td>
<td></td>
<td>$0.30</td>
</tr>
</tbody>
</table>

BELDEN TINNED HOOK-UP WIRE

No. 14 bare tinned hook-up wire in ft. lengths, both round and square. There are approximately 32 pieces per lb. 25-lb. Lots No. 97100 RIO NATURAL 1000 ft. coil Each $5.80 No. 18 (16x34) STRANDED TINNED COPPER WIRE 1/2-Inch Colorubber Insulation No. 96419 Black        List, 50c Each, 30c No. 96420 Red          List, 50c Each, 30c

EBY PATENTED

EBY BINDING Posts are always in season—they are advertised, praised and are always ready turn-over. Each post equipped with nut and soldering lug.

EBY METAL POST

With non-removable top; large size square slot. No. 92836 3/4" Size ...... List, 16c Each, 10c

VEE-DEE Metal Panels

These metal panels are beautifully finished by a superior Photo Litho process. They are readily drilled with ordinary breast drill and may be used for all standard kits. Each panel has attractive, colored border and dark finish.

VEE-DEE METAL CABINET

The Vee-Dee Metal Cabinet gives all the beauty of natural wood grain combined with efficiency of metal construction and total shielding. This model 250 is readily adaptable to a panel size 7 x 18, 7 x 21, 8 x 15 and 8 x 21 inches. Depth is ample to give room for AC power and socket receivers. Feet foot rest. Non-warping, nonswelling. WALNUT FINISH. Hinged top. Width 25", Height 31", Depth 141/2".

SOLDER LUG FOR RADIO

Phin tinned lugs, which are very reliable in making connections. Strong and well built. Package contains 24 lugs.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Per Pck.</th>
<th>10 Pkg.</th>
<th>Lots</th>
<th>500</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>91874</td>
<td>Long</td>
<td>$0.05</td>
<td>$0.45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>93874</td>
<td>Stubby</td>
<td>$0.05</td>
<td>$0.45</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CELATSITE

CELATSITE is made in two types. The flexible, stranded wire and trimmed, copper bus bar wire. Both have a non-inflammable "spaghetti" covering that will not ignite from hot soldering iron. Strips easily and does not dry out.

ACME FLEXIBLE CELATSITE

Put up in individual boxes containing 25 ft. coils. 16 strands of No. 18. A color for each circuit.

<table>
<thead>
<tr>
<th>No.</th>
<th>Color</th>
<th>List, Each</th>
<th>$0.009</th>
</tr>
</thead>
<tbody>
<tr>
<td>94921</td>
<td>Black</td>
<td>25 ft.</td>
<td></td>
</tr>
<tr>
<td>94922</td>
<td>Yellow</td>
<td>25 ft.</td>
<td></td>
</tr>
<tr>
<td>94923</td>
<td>Red</td>
<td>25 ft.</td>
<td></td>
</tr>
<tr>
<td>94924</td>
<td>Brown</td>
<td>25 ft.</td>
<td></td>
</tr>
</tbody>
</table>

SOLID CELATSITE

Makes a very neat job. No. 14 wire with non-inflammable covering. Can be bent and rebent without cracking. 30" length. No. 94926 Colors—Black, Yellow, Red or Brown. Per length. .5c Per 100 ft. $1.80

ACME SPAGHETTI TUBING

High dielectric strength. Perfect insulation, glossy finish. SPECIFY COLOR. 30 inch lengths. No. 94931 Specify Color. Per Length. $0.05 Per 100 Ft. 1.80

ENGLISH EBY POSTS

List, Each

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>92837</td>
<td>Standard</td>
<td>1/4&quot; Round</td>
<td>15c</td>
</tr>
<tr>
<td>92838</td>
<td>Commander</td>
<td>5/16&quot; Round</td>
<td>20c</td>
</tr>
</tbody>
</table>

BLANK EBY POSTS

Furnished in two sizes

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>92840</td>
<td>Ant.</td>
<td>List</td>
<td></td>
</tr>
<tr>
<td>92841</td>
<td>Gnd.</td>
<td>15c</td>
<td></td>
</tr>
<tr>
<td>92842</td>
<td>A Batt. Pls.</td>
<td>16c</td>
<td></td>
</tr>
<tr>
<td>92843</td>
<td>A Batt.</td>
<td>19c</td>
<td></td>
</tr>
<tr>
<td>92844</td>
<td>B Batt. Pls.</td>
<td>19c</td>
<td></td>
</tr>
<tr>
<td>92845</td>
<td>B Batt.</td>
<td>Per 100</td>
<td></td>
</tr>
<tr>
<td>92846</td>
<td>22¼ V. Pls.</td>
<td>$9.00</td>
<td></td>
</tr>
<tr>
<td>92847</td>
<td>45 V. Pls.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>92848</td>
<td>Phones</td>
<td></td>
<td></td>
</tr>
<tr>
<td>92849</td>
<td>90 V. Pls.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BINDING POST STRIPS

We have a large stock of drilled and engraved binding post strips that we can supply with binding posts and soldering lugs or without binding posts.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>94598</td>
<td>Marked Strips Only...</td>
<td></td>
</tr>
<tr>
<td>94599</td>
<td>With Binding Posts and Soldering Lugs 2½c</td>
<td></td>
</tr>
</tbody>
</table>

COMPOSITION BINDING POST

Brass with black composition cap. Put up 100 to a box. No. 2064 Black, No. 2381 Mah. Knob. No. 91564 Each .2c Per 100. .88

Polished Nickel Binding Posts

Solid brass with screws and washers assembled. Put up 100 to a box. No. Type Sizes Each 10 Lots

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>91737</td>
<td>Single Small...</td>
<td>2c</td>
</tr>
<tr>
<td>91738</td>
<td>Double Large...</td>
<td>3c</td>
</tr>
</tbody>
</table>

SOLDER LUGS FOR RADIO

Phin tinned lugs, which are very reliable in making connections. Strong and well built. Package contains 24 lugs.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Per Pck.</th>
<th>10 Pkg.</th>
<th>Lots</th>
<th>500</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>91874</td>
<td>Long</td>
<td>$0.05</td>
<td>$0.45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>93874</td>
<td>Stubby</td>
<td>$0.05</td>
<td>$0.45</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

KELLOG LUGS

Fine lugs for quick and permanent soldering.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Per Pkg.</th>
<th>10 Pkg.</th>
<th>Lots</th>
<th>300</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>96428</td>
<td>Long for No. 6 Screw</td>
<td>$0.02</td>
<td>$0.02</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>96429</td>
<td>Long for No. 8 Screw</td>
<td>$0.06</td>
<td>$0.06</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

THE HARRY ALTER CO. CHICAGO, ILL.
FRITTS SUPER CABINETS

THIS is a high-grade solid walnut cabinet, very artistically finished. The decorations are polychrome and the top and sides are slightly raised for panel effect. Nickel plaque hinge and a substantial lid top. Decorative strip along top of panel. All cabinets are 12" deep from panel to back.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Depth</th>
<th>List Less 40%-10% Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94950</td>
<td>7x18&quot;</td>
<td>12&quot;</td>
<td>$21.50</td>
</tr>
<tr>
<td>94951</td>
<td>7x21&quot;</td>
<td>12&quot;</td>
<td>22.00</td>
</tr>
<tr>
<td>94952</td>
<td>7x24&quot;</td>
<td>12&quot;</td>
<td>22.50</td>
</tr>
<tr>
<td>94953</td>
<td>7x26&quot;</td>
<td>12&quot;</td>
<td>23.00</td>
</tr>
<tr>
<td>94954</td>
<td>7x28&quot;</td>
<td>12&quot;</td>
<td>24.00</td>
</tr>
<tr>
<td>94955</td>
<td>7x30&quot;</td>
<td>12&quot;</td>
<td>25.50</td>
</tr>
</tbody>
</table>

Solid Walnut Cabinet

SOLID WALNUT CABINETS

A cabinet combining high-grade workmanship with beauty of line and finish. Equipped with piano hinge and stop. Made of solid walnut with American Walnut Finish. Panel slides in.

<table>
<thead>
<tr>
<th>No.</th>
<th>Panel Size</th>
<th>Depth</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>92516</td>
<td>7x18</td>
<td>9</td>
<td>$10.50</td>
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<td>9</td>
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<td>9</td>
<td>12.50</td>
</tr>
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<td>92519</td>
<td>7x26</td>
<td>9</td>
<td>13.50</td>
</tr>
<tr>
<td>92520</td>
<td>7x28</td>
<td>9</td>
<td>14.00</td>
</tr>
</tbody>
</table>

SOLID WOOD PANELS

Radion Panels, made of a special compound that is a perfect insulator and will not crack or chip when drilled. Of superior quality and especially developed for this work. Furnished in two finishes—polished black and grained mahogany. All sizes are 3/8 inches thick.

<table>
<thead>
<tr>
<th>Black</th>
<th>Mahogany</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>7x9</td>
<td>...</td>
<td>32c</td>
</tr>
<tr>
<td>7x10</td>
<td>...</td>
<td>35c</td>
</tr>
<tr>
<td>7x12</td>
<td>$1.50</td>
<td>$0.90</td>
</tr>
<tr>
<td>7x14</td>
<td>1.05</td>
<td>2.20</td>
</tr>
<tr>
<td>7x16</td>
<td>1.25</td>
<td>2.75</td>
</tr>
<tr>
<td>7x18</td>
<td>1.35</td>
<td>3.25</td>
</tr>
<tr>
<td>7x21</td>
<td>1.55</td>
<td>3.70</td>
</tr>
<tr>
<td>7x24</td>
<td>3.00</td>
<td>4.00</td>
</tr>
<tr>
<td>7x26</td>
<td>3.25</td>
<td>4.40</td>
</tr>
<tr>
<td>7x27</td>
<td>3.40</td>
<td>4.65</td>
</tr>
<tr>
<td>7x30</td>
<td>3.80</td>
<td>4.79</td>
</tr>
</tbody>
</table>

ACE HARD RUBBER PANELS

ACE Quality Panels made of a special hard rubber compound are easy to drill, assure good insulation, and are very durable. Finished in black; 3/8" thickness.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>91660</td>
<td>7x12</td>
<td>$0.95</td>
</tr>
<tr>
<td>91661</td>
<td>7x14</td>
<td>1.10</td>
</tr>
<tr>
<td>91662</td>
<td>7x16</td>
<td>1.40</td>
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<tr>
<td>91663</td>
<td>7x18</td>
<td>1.62</td>
</tr>
<tr>
<td>91664</td>
<td>7x21</td>
<td>1.85</td>
</tr>
<tr>
<td>91665</td>
<td>7x24</td>
<td>2.00</td>
</tr>
<tr>
<td>91666</td>
<td>7x26</td>
<td>2.30</td>
</tr>
<tr>
<td>91667</td>
<td>7x30</td>
<td>2.38</td>
</tr>
</tbody>
</table>

FORMICA PANELS

2% DISCOUNT

BLACK

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94779</td>
<td>7x18x3/4</td>
<td>$1.29</td>
</tr>
<tr>
<td>94780</td>
<td>7x18x3/8</td>
<td>1.92</td>
</tr>
<tr>
<td>94781</td>
<td>7x21x3/4</td>
<td>2.24</td>
</tr>
<tr>
<td>94782</td>
<td>7x21x3/8</td>
<td>2.55</td>
</tr>
<tr>
<td>94783</td>
<td>7x24x3/4</td>
<td>2.77</td>
</tr>
<tr>
<td>94784</td>
<td>7x24x3/8</td>
<td>2.98</td>
</tr>
<tr>
<td>94785</td>
<td>7x30x3/4</td>
<td>3.30</td>
</tr>
</tbody>
</table>

WALNUT

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>94786</td>
<td>7x18x3/4</td>
<td>$1.35</td>
</tr>
<tr>
<td>94787</td>
<td>7x18x3/8</td>
<td>2.02</td>
</tr>
<tr>
<td>94788</td>
<td>7x21x3/4</td>
<td>2.33</td>
</tr>
<tr>
<td>94789</td>
<td>7x21x3/8</td>
<td>2.68</td>
</tr>
<tr>
<td>94790</td>
<td>7x24x3/4</td>
<td>2.91</td>
</tr>
<tr>
<td>94791</td>
<td>7x24x3/8</td>
<td>3.13</td>
</tr>
<tr>
<td>94792</td>
<td>7x30x3/4</td>
<td>3.36</td>
</tr>
</tbody>
</table>

Odd size panels can be furnished in either black, mahogany or walnut finish at 13¢ net per square inch in 3/4" thickness, and 13¢ per square inch in 5/8" thickness.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>List Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>91660</td>
<td>7x12</td>
<td>$0.95</td>
</tr>
<tr>
<td>91661</td>
<td>7x14</td>
<td>1.10</td>
</tr>
<tr>
<td>91662</td>
<td>7x16</td>
<td>1.40</td>
</tr>
<tr>
<td>91663</td>
<td>7x18</td>
<td>1.62</td>
</tr>
<tr>
<td>91664</td>
<td>7x21</td>
<td>1.85</td>
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<tr>
<td>91665</td>
<td>7x24</td>
<td>2.00</td>
</tr>
<tr>
<td>91666</td>
<td>7x26</td>
<td>2.30</td>
</tr>
<tr>
<td>91667</td>
<td>7x30</td>
<td>2.38</td>
</tr>
</tbody>
</table>

TINNED HOOK-UP WIRE

Number 14 gauge tinned wire, cut in lengths of 2 feet.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Per Ft. 1c</th>
<th>Per 100' 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>91845</td>
<td>Square No. 14</td>
<td>Per 10' 75c</td>
<td>Per 100' 55c</td>
</tr>
<tr>
<td>91846</td>
<td>Round No. 14</td>
<td>Per 10' 75c</td>
<td>Per 100' 55c</td>
</tr>
</tbody>
</table>
Positively the Best Battery at Lowest Prices

BRUNELLI-JONES

"A", "B" and "C" batteries are built to most exacting specifications, which result in long life, exceptional strength and vitality. Only the highest grade chemicals are used and the cells are built extra strong. Equipped with Fahnestock clips. Use Brunelli-Jones batteries for a leader—they satisfy.

Brunelli - Jones "A"

This is an "A" battery that appeals to the purchaser both from the standpoint of appearance and performance. Exceptional shelf-life. Every battery tested up to standard. Every battery guarantees hundred-amp 45-volt battery.

Brunelli Jones "C" Battery

A good, serviceable "C" battery that keeps up its strength for extra long time.

Remember to Deduct 2% Discount

Batteries

Extra Thick Plates For Uniform Current

The plates in Betterbilt Radio Batteries are extra thick, insuring the even, smooth flow of current so necessary for good radio reception. The case is the genuine all-rubber Abbell container—absolutely leak-proof; clean and safe for handling in the home.

HEAVY WIRE BAIL HANDLES

Provided with substantial wire bail handles for easy carrying.

GUARANTEED for TWO YEARS

Every Betterbilt is guaranteed for full two years, and with reasonable care will far outlast that period. Each battery is thoroughly inspected before shipment and fully charged, ready for immediate use. Our special "house-box" packing insures safe delivery—no chance for damage or spilling.

HIGHEST QUALITY MATERIALS

Nothing but the best is used in Betterbilt Batteries. Thick sulphate resisting plates; rigid lead grids; finest selected oxide; genuine Port Oxford cedar insulators; and the famous Abbell molded rubber case. Do not confuse with cheap batteries. Every one is a high-grade, full weight Batteries.

Special 100 Amp. 11 Plate Battery

Use the Hundred-Amp-Special if you need a radio battery to resist price competition. It's a mighty good one for the money. Thinner plates and a cheaper case than our regular Betterbilt, but designed to give satisfactory service. Better, in fact than many so-called heavy duty batteries. 6 volt 11 plates.

UPRIGHT TYPE 45-Volt

This is a large size battery that is a favorite on account of its shape. Cell space is apportioned to give longest life.

NO. 94654
45 VOLT EACH
$1.69 Less 2%
5 LOTS
$1.63 Less 2%

Super-Giant Size

More than twice the capacity of the ordinary size. The multi-tube sets of today require an extra sturdy, oversize battery which is the most economical in the long run. Profit by selling this oversize battery.

Batteries
RELY-O-DYNE
SIX-TUBE CHASSIS

A special offer to our dealers on the well known RELY-O-DYNE 6-tube chassis. A receiver that is giving complete satisfaction to thousands of users. Now offered at a NEW LOW PRICE. Plenty of distance and excellent tone quality. Has 7 x 13 inch front panel and will fit majority of consoles. A chassis that is licensed under patents of Radio Corporation of America. It is certainly worth while your effort to sell this fine receiver. Full description on pages 30 and 31. A powerful set that is bound to give satisfaction to your customer. Immediate shipment can be made on this item.

No. 986502 — CHASSIS ONLY. List $33.00. Each $19.80. Less 2% or

Rely-O-Dyne Set with Walnut Console

This combination of the Rely-O-Dyne chassis in the Adam-brown highboy, illustrated to the left, is a knock-out value. A genuine two-tone walnut console. Just made to fit the Rely-O-Dyne chassis. Decorative grille and well designed doors and legs. Outside dimensions: Height, 46% inches; width, 25½ inches; depth, 14½ inches. Complete with speaker and Utah unit.

No. 986558 — Console and Rely-O-Dyne Chassis. List $67.50. Each $40.50. Less 2% of

Completely Equipped Rely-O-Dyne with Walnut Console

The Rely-O-Dyne in this attractive console can also be obtained completely equipped with all accessories at a very attractive and special price. Everything complete including 6 Cunningham tubes, 3 Brunelli-Jones "B" Batteries in Brunelli-Jones "5-tube" Batteries, 1 100-amp. storage battery and 1 complete set of accessories. All ready to operate.

No. 986554 — Completely Equipped Console Model. List $110.35. Each $66.21. Less 2% or

Brunelli-Jones
5-TUBE RECEIVER

The Brunelli-Jones 5-tube chassis with a standard 7 x 13 inch front panel will fit any cabinet or console. We can also furnish this excellent receiver in various console models shown in the colored center section or in the LAKOTA console model illustrated here.

New Low Price Assures You

BIG PROFITS

A 5-tube chassis of proven merit at the low price of $15.88 net is certainly a fine leader for you to feature. It means quick turnover and fast sales.

CHASSIS ONLY

The Brunelli-Jones chassis is fully described on page 29. Get your sample now. Immediate shipment.

No. 98500 List $27.90

Each $16.30

Less 2% or

NEW LOW PRICES

LAKOTA CONSOLE ONLY

A phenomenally low price for a nicely finished and well designed console. Has a built-in speaker and Utah unit. Fits 7 x 13 inch panel.

No. 98615 — List $28.60

Each $16.60. Less 2% or

$16.46 Net

LAKOTA CONSOLE with Brunelli-Jones Chassis Completely Equipped Complete with all accessories, including 6 Cunningham tubes, 2 Brunelli-Jones "B" batteries, 1 Brunelli-Jones "100-amp. storage battery and 1 complete set of accessories.

No. 98854 — List $58. Each $31.00. Less 2% or

$49.98 Net

CONSOLE

For Large Size Panels 9" x 29" or Smaller

Outside Dimensions: Height, 15" width, 35½" depth, 18¼". With Horn, but less Unit.

No. 93324 — Each $24.40. less 2% or

$23.92 Net

UTAH UNIT EXTRA

No. 96118 — Each $2.60 less 2%.