

# America's Most Complete Line of Standard Radio Sets and Parts!

WeSellonly to Dealers! URS is a strictly wholesale business. Our cataintended only for activation are dealers or other goods.

Iogs are dealers or other goods.
Iogs are who handle radio orders tual radio handle any please.
We will not fill any please.
We private initiation from private inst cour radio from private list cour radio from private all your radio week this price all your as save keep can buy substantial save you here at a surfage, lowest in needs On the average, lowest in ing. prices are putable, nationally known radio merchandise.

America for radio merchandise.
ally known radio merchandise.

## 5-Hour Shipping

UICK shipping service means as much to our dealers as good merchandise or low prices. That's why we keep our shipping schedules right up to the minute. Ninety-five per cent of our orders are in and out of our building in 5 hours. Only one per cent of them don't go out the same day. Forty-eight hours after you mail your order, our goods are at your store or station, if you're anywhere within 500 miles of Chicago. No need to tie up a lot of money at a time in big stocks. Our fast service gets the goods there quick as you sell them.

#### Our Guarantee

We positively guarantee all Radio apparatus—sets and parts—against defective materials and defective workmanship. We will make good on anything that proves defective. In no case, however, can we take back radio apparatus of any kind for credit or apparatus.

It is equally impossible for us to guarantee specific results—such as definite distance range of a receiving set—or definite functioning of any radio part, chiefly because what one fan might think was excellent results another might think poor, and vice versa. We advise that dealers impress these facts on their customers also.

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. We agree to repair or replace any defective Radio goods without charge. Be sure to prepay charges on all

ICK up any newspaper or magazine—see what a tremendous amount of space they are giving-free-to the radio department. Everybody is a radio fan! Radio is here to stay! Reliable authorities estimate a \$300,000,000 business in radio this fall and winter.

Radio sales are profitable, money-making sales. Get your share of this business. The goods we offer are the standard, nationally known radio items with a reputation that everybody knows by name. Liberal profit for you on every sale.

We respectfully decline orders under \$5.00. Operating and handling costs are prohibitive on orders for less. This policy helps make our low prices possible.

PRICES: All prices in the Better Radio Catalogs are net. There are no further discounts. Our net prices save you the trouble of figuring bothersome

prices save you the trouble of figuring bothersome discounts.

TERMS: Our terms are cash. Many of our customers are highly rated, but are willing to buy for cash because of the big saving when buying from the Better Radio catalogs. Because of our low prices it is impossible for us to sell on open account. If you have never tried buying for cash, you will be agreeably surprised with the saving that you can make by sending your order C. O. D. ORDERS: We will ship your order C. O. D. if you wish; but most of our customers prefer to send cash with order, thereby saving the cost of collection charges which the transportation companies make.

DELIVERY: Practically 90 per cent of all orders that we receive are shipped in 5 hours. Also, we mail every invoice out the same day. This means that you are not kept waiting for your bill, nor are you kept waiting for your material when buying from us. Our speedy service has built up our business.

business.

EKRORS: We are not 100% perfect and in spite
of the great care we observe, mistakes in filling
orders happen once in a great while. Please tell
us promptly of any errors or shortages in your

transit, file claim with the carrier. If the shipment shows evidence of damage, have a notation made to that effect on your freight bill. If the damage is discovered after the shipment is received at your store, you can file a concealed damage claim. We do not guarantee the safe delivery of our material, as this is up to the carrier, who agrees to transport merchandles in good condition.

RETURN GOODS: Please do not send any material back to us without first securing permission to do so. We are always glad to adjust any claims, and to make good defective material. When returning goods after receiving our permission to do so, be sure to mark plainly your name and address on the package. When writing us about the return shipment, please explain fully what you wish us to do, so that there will be no delay in handling it.

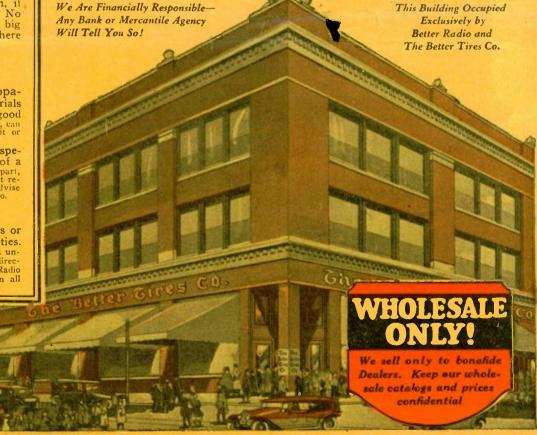
STOCK NUMBERS: Always use our stock number when ordering to avoid possibility of error.

TELEPHONE-TELEGRAPH: Orders received over long distance phone or by telegraph get special attention. All phone calls or telegrams must be prepaid. Long distance phone number, Calumet

7320.

SHIP BY EXPRESS: Express is the quick, accurate. economical way to have your order shipped. It is by far the safest way to ship Radio goods. Often the express on a big order is as low as freight. Ship by express.







**DUO-REFLEX Receiving Set Kits** No Soldered Connections--No Experience Needed

#### 3-TUBE ERLA KIT



STOCK No. 92913 As Illustrated

All Parts Complete List Price, \$49.35

This three-tube receiver is furnished in knocked down form. The kit as shown contains all parts needed to complete a

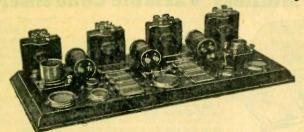
three-tube Erla Duo-Reflex except the cabinet. Such a set when properly constructed will pick up coast to coast stations under fair conditions, on the loud speaker. Erla products are being nationally advertised, and thousands of radio buyers will want these reasonably priced and high grade kits. No. 92982. 7x18 Cabinet to Fit, \$4.05

In addition to the standard one, two and three-tube outfits we can furnish the following special Erla Super-Reflex kits. These kits come in knock down form, all parts complete to the last screw, except cabinets. These multi-tube super-reflex kits are recommended for the more advanced radio fan and experimenter. Full wiring diagram, blue prints and drilled-engraved panel are included. There is a Super-Reflex for every requirement, and our prices are exceptionally low.

	For Type	List	Net
Stock No. Type	Tubes	Price	Price
92901 4 Tube Outside Aerial	U 201A	\$56.40	\$38.68
92902 5 Tube Outside Aerial	UV201A	62.50	42.90
92903 4 Tube Loop Aerial	UV201A	54.15	37.12
92904 5 Tube Loop Aerial	UV201A	60.40	41.44
92905 5 Tube Loop Aerial	UV199	52.90	36.29
No 92982 7v18 Cabinet fits he	th 4 and 5 T	uha Kite	\$4.05 /

## Special Erla Sample Board

A Silent Salesman That Draws No Pay



#### Supplied at Exact Cost of Parts

STOCK No. 92915

A neat and attractive display of Erla parts which is proving itself a real salesman. Contains no dummies, and every part can be removed from the board and used. Very effective as a counter

or window display, saving much time ordinarily consumed in answering a request to see some specific part. The complete display sells for the price of the parts displayed on it. Every dealer should have one.

#### 2-TUBE ERLA DUO-REFLEX



The two-tube kit makes a fine receiving set. Brings in local stations on the loud speaker and distant broadcasting comes in on head phones. Can be hooked up head phones. Can be hooked up with any good two-stage amplifier.

STOCK No 92081

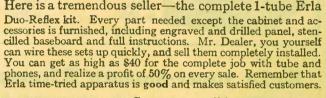
Factory sealed cartons of complete parts now make child's play of assembling time-tested Erla Reflex Circuits, tube for tube, the most powerful ever built.

Every part needed for the assembly of one of these receivers is contained in this carton, with the exception of cabinet and accessories. A drilled and engraved panel cuts down the time of assembly and makes accurate placing of parts not only easy but certain. Stenciled baseboards show the exact location of every part not

mounted on the panel. Every part included in the kit is the one specified for best results in the Duo-Reflex circuits, insuring the purchaser against failure of his receiver because of the incorporation of unsuitable parts.

STOCK No. 92912 List Price, \$39.95

## One-Tube Erla



STOCK No. 92911

List Price, \$27.35

Greatest possible ease and certainty of wiring is provided by the full size blueprints supplied with the set, and by the elimination of soldered connections through the use of Erla Solderless Connectors. The only tools necessary for assembly and wiring are a pair of pliers and a screw driver.

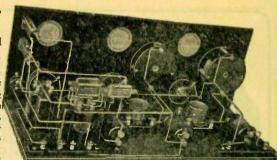
#### Demonstrator

"It Works Like A Charm"

Special B½-inch deep cabinets meded for Erla Kits. We have a dark mahogany cabi-met for all sizes.

Stock No. 92980 7x6 Cabinet fits the 1-tube kit, \$2.70 Ea.

Just the thing to help you sell Erla Duo-Reflex kits and parts. This is a complete factory wired and constructed Erla three-tube Duo-Reflex sold only for demonstrating purposes to the dealer. With it you can show just how the kits must be made up, and if you wish you can use it for a demonstration to show the wonderful results to be obtained on the Erla Duo-Reflex. By showing the demonstrator on your counter, you save answering lots of questions, besides stirring up a great interest amoung the ans. The Erla demonstrator is a fine radio set and comes to you all wired complete less the cabinet. Of course, tubes, batteries and such accessories are not furnished.



This Sample for Display and Demonstration STOCK No. 9291

Our Strong Radio Guarantee is Your Protection. Read About it on the Title Page of "Better Radio"

## Radio Sets and P

## Parts-One of America's Finest Radio Lines



Bria Synchronizing Reflex Transformers made Eria Duo-Reflex circuits possible, making possible for the first time the simultaneous amplification of received radio, amplified radio, and rectified radio, or audio frequency signals. These transformers have the further distinct advantage of being sharply tuned to the desired wave-length, giving maximum resonance and amplification on the wave-length desired, and cutting out all signals received at the same time on different waves, thus combining maximum selectivity with exceptional ease of control.

STOCK No. 92425 Reilex No. 1 \$ LOTS OF 10 \$3.25

STOCK No. 92426 Reflex No. 2 243 LOTS OF 10 \$3.25



#### Erla Selectoformei

One of the most important advancements of recent years in radio is ERLA Selectoformer, a scientifically designed transformer for improving the coupling between any antenna and any receiver with resultant gain in selectivity accompanied by maximum range and volume. Replacing alike variocoupler and wavetrap in all circuits except those employing a variocoupler as a combination coupler and feedback coil,

**STOCK No. 92433** 

List Price \$5.00 LOTS OF 12, \$3.25 Selectoformer effects material economy as well as betterment in re-ceiver construction. And even where the variocoupler cannot be dispensed with as in the exceptions noted the addition of Selectoformer is well repaid, because of the increase in selectivity obtained.





Combining every improvement and re-Combining every improvement and refinement Erla sockets are unequaled in quality, utility and value. The heavy metal shell of seamless brass tubing eliminates breakage at the bayonet slot and holds the tube firmly in place, while the base of heavily reinforced Bakelite provides maximum physical, as well as dielectric strength. Double cushion springs, heavily nickeled afford clean positive contact with the terminals of the tube and eliminate poor contact, due to oxidation of the contact springs. For standard tubes or UV199-C299 tubes.

For Standard Tube

For 199 Tubes

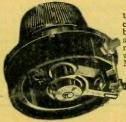
STOCK No. 92946 LOTS OF 10, 47c STOCK No.92947 LOTS OF 10, 42c

Specially designed to meet the exacting requirements of Erla Duo-Reflex circuits, these transformers are far superior to any other for use, not only in these circuits but in any circuit where an audio-frequency transformer of superior design and construction is needed. Particularly noteworthy is the accurate balancing of magnetic permeability and magnetic saturation by means of original core design. Unequaled purity of tone and freedom from distortion and parasitic noises result from this achievement. The one-piece metal shell provides perfect shielding. quirements of Erla Duo-Reflex circuits,

RATIO 31/2 to 1 List Price \$5 OF 12, \$3.25

RATIO 6 to 1 No. 92428 List Price \$5 OF 12, \$3.25

### Erla Super-Smooth Rheostats



A beautifully made instrument in which unusually smooth contact is secured by the use of a usually smooth contact is secured by the use of a contact spring whose special design provides extreme flexibility over a wide range. The resistance wire is tightly and accurately spaced on a hard fibre strip and mounted on a moulded Bakelite base. The easily-gripped knob is engraved with a white arrow to indicate the position of the contact arm. Mounts on one hole in the panel. Made in three sizes.

Stock List Lots of 12 720 720 720 No. Resistance Price Each 6 ohms \$1.10 25 ohms 1.10 760 760 92956 92957 25 ohms 92958 40 ohms

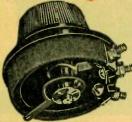
#### **Erla Push-Pull Transformer** Especially designed power transformer whose



Especially designed power transformer whose unique core design and perfect shielding makes possible the maximum amplification of audio-frequency signals without core saturation or accompanying distortion or parasitic noises. Meets fully the requirements of high resistance loud speaker operation. The impedance of windings and the size of wire used make it possible to handlaske output of five-watt power tubes, with from two hundred to two hundred and fifty volts on the plate without danger of injury either to the loud speaker windings or to the transformer itself.

List Price \$10.00 pair PER DOZ. PAIRS \$6.50 SOLD IN PAIRS ONE "INPUT" ONE "OUTPUT"

#### Super-Smooth Potentiometer

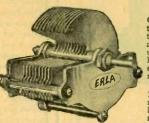


Made up the same as the Erla rheostat. A big unique feature of both rheostat and potentiometer is there one hole mounting. Either instrument can be disassembled for mounting without injuring the factory made adjustment of the tension of the contact arm against the windings. Furnished with engraved arrow knob and supplied in two sizes.

200 ohm STOCK \$1.25 LOTS OF 12, 83c

400 ohm STOCK List Price \$1.40 LOTS OF 12, 92c

## Erla "Miniloss" Variable Condenser



The special design of this instrument reduces the amount of insulating material used to an absolute minimum only eight washers, each of the best dielectric obtainable being used in the entire assembly. This reduction in the amount of insulation used, results in an almost total elimination of dielectric losses, with the result that tuning is materially sharp-ened while signals are stronger and greater distance of reception may be secured.

Rotor and stator are of the best quality aluminum 1/32 of an inch thick and the end plates are of heavily nickeled brass, 3/32 of an inch thick. No attempt has been made to achieve low cost at the sacrifice of sturdiness, and rigidity is assured under all conditions.

### ASK FOR ERLA DESCRIPTIVE LITERATURE

Dealers who are anxious to learn more about the Erla line can secure full information through descriptive bulletins by writing us. strongly recommend that radio dealers stock and push the entire Erla It is profitable merchandise and every sale makes a satisfied customer.

#### HELP US PROTECT YOU!!

Keep this catalog confidential! Don't let it out of your hands! We want to protect you, Mr. Dealer, and you can help us a lot by seeing that our catalog does not fall into the hands of anyone not engaged in the radio business. We absolutely protect the dealer!

11 Plate | 15 Plate 5 Plate STOCK No. STOCK No. 92971 92970 DOZ. LOTS \$2.25

List Price\$3.50

• Each DOZ. LOTS List Price \$3.75

STOCK No. STOCK No. 92972 92973

09 Each List Price \$4.25 List Price \$4.50

21 Plate 41 Plate STOCK No. 92974

Our Tremendous Stock of 1500 Radio Africles Just 5 Hours from Your Store

## You Can Depend on Erla Radio Apparatus



The Erla crystal provides highest rectifying value with complete stability in operation. The non-corrosive cat whisker is proof against oxidation. Adjustment of the cat whisker on the most sensitive spot in the crystal is made in the factory, and if not subjected to abuse, the crystal will retain this adjustment indefinitely. The resistance of each crystal is individually adjusted to the value most suitable for use in reflex receivers, thus providing inherent stability and freedom from oscillat on.



A distinct improvement overa ny phone plug on the market today. Phones or loud speaker are connected instantly by merely inserting the phone tips in the holes at the rear of the plug. Although it is almost impossible to remove the phone tips by a direct pull, they are instantly released when twisted. Metal parts are heavily nickeled and the handle is of genuine Bakelite.

00

GOLD

Size

Stock

No. 92962

STOCK No. 92916

Auto-

LOTS OF 12, 49c List Price 75c

Designed express-

Iy to eliminate anti-capacity effects. Has genuine bakelite knob with metal dial either in real gold or silver plated. Figures acid etched in the dial Not only surrice alectrically surrice and the control of the cont

perior electrically, but Erla dials are objects of real beauty. A decided improvement over all old types of

SILVER

2 inch 3 inch 4 inch

Each

34c 51c 69c

to eliminate

# ERLA Fixed Condensers, manufactured by an original process designed in our laboratories, are individually brought to the exact capacity desired and will maintain that capacity indefinitely unless subjected to abuse in the form of excessive heat To avoid change of capacity connections to these condensers should not be soldered. Capacity is guaranteed not to vary more than 1% from rating Stock List

**ERLA** Fixed

20c C

Each

Each

. 23c

45c Each 52c Each

Stock		List	
No.	Capacity	Price	
92930	.0001MF	30c	7
92931	.00015MF	30c	
92932	.00025MF	30c >	
92933	$.00035 \mathrm{MF}$	<b>30</b> c	
92934	.0005MF	300	10 LOTS
92935	.0008MF	35c \	04
92936	.001MF	35:	17/
92937	.0015MF	35c	And I
92938	.002MF	350	10 LOTS
92939	.0025MF	40:	280



005MF

.006 MF

92940

92941

Condenser with Mounting for Grid Leak

The Erla tested capacity mica condenser, the only one on the market guaranteed to conform to its ruted capacity within 1% may be had in the .00025 mfd. capacity with special terminals for grid leak

STOCK No. 92944

LOTS OF 10, 21c

#### Erla **Bezels**

Erla bezels add 100% to the appearance of any receiving set, neatly screening the unsightly opening required for tube ventilation, yet giving complete view of the tube filaments. Patented construction panel and permits tight, permanent and neat installation.

Stock No.	Size	Finish	Each	Doz. Lots
92917	1 inch	Black	14c	13c
92918	1 inch	Nickle	14c	130
92919	1 inch	Gold	21c	19c
92920	1½ inch	Black	14c	13c
92921	11/2 inch	Nickel	14c	130
92922	1½ inch	Gold	210	190

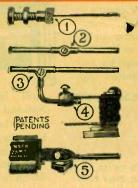
## 5-Hour Service

SHAMROCK-

ErlaMetalEtched Dials

50

Each



#### Erla Solderless Connectors

Every connection in radio apparatus assembly, including the difficult attachment of variocoupler taps to their respective panel contact points, is now accomplished without the use of soldering irons. The use of these connectors eliminates the difficulties of soldering, and makes receiver assembly easy for the most inexperienced builder. Connectors are made in five styles as shown in the illustration.

Stock No.	Туре	Price er Doz.
92923	Varicoupler No. 1	.42c
92924	Bus Bar No. 2	.35c
92925	Bus Bar No. 3	.35c
92926	Jack No. 4	.35c
92927	Condenser No. 5	.28c

They Make Wiring Easy

### Shamrock Harkness Reflex 2-Tube Kit



The Kit contains everything needed to build a Harkness two-tube set, except the cabinet, which is a 7x12 shown on page 19, at \$2.74 each. The additional accessories needed are two UV201 A tubes or UV199 tubes, one 45-volt B battery, storage "A battery or dry cells, phones, aerial and loud speaker. Makes up into an economical outfit that gives splendid results. Full directions are included with each set. Licensed under U. S. Patent Office Serial No. 719264 for Radio Receiving System.

#### Fast Seller

Mr. Dealer, radio fans every-where have heard about the wonderful results obtain-ed on the Harkness twotube receiver. Cash in on the demand by selling and displaying the Harkness Kit. Thousands of amateurs are going to build the Harkness set. Be ready for the de-

Stock No. 92826

As shown and described

## E Radio Apparatus of Quality KNOWN FROM COAST TO COAST

Wonderful

Acme Apparatus Company has been nearly two years in the development of this Reflex Set. It has been perfected to such a great degree that a novice with no radio experience and without any additional tools, parts or equipment can build this four-tube Acme Reflex Set, which will pick up stations from coast to coast.

There is an unlimited field for a complete kit of this kind. Thousands of amateurs want to get the thrill of bringing in distant stations on their home-made set. That is why, Mr. Dealer, it is good merchandising for you to stock the Acmeflex Kitset.

#### Makes a Fine Display

The Acmeflex Kitset is shipped in a wooden The Acmeflex Kitset is shipped in a wooden box to protect the contents. All parts being in their original package so that the complete outfit makes an exceptionally attractive window display. Merely showing them in your windows and in your stock means quick sales. The list price on the complete outfit that we sell for \$44.60 to the dealer is \$65.00. Every time you make a sale there is a profit of a little more than \$20.00. A mighty attractive return on your investment



STOCK No. 92810 Tools and Tubes Are NOT Instructions

Acme Apparatus

Used the World Over

Included

### Absolutely Complete

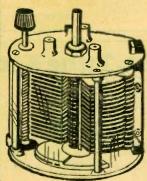
With the Acmeflex Kitset, every With the Acmeflex Kitset, every single part required to complete the set is included. That is, of course, with the exception of tubes, cabinet, batteries and phones. Everything else is supplied, including a pair of special pliers and a long screw driver, phone instructions, a drilled and engraved panel, blue prints and detailed directions ere in every set. In fact, Acme has done everything possible to make it an easy wiring job, even going as far as cutting and bending the bus-bar wires. Last, but not least, a complete knock-down Acme loop aerial is supplied without any extra charge. There is not a thing that has been overlooked.

#### An Outfit That Sells On Sight

The Acme Kitset is so complete, and has been worked out to such perfection of detail, that people buy it on sight. In addition, the Acme Apparatus Company have elaborate plans for a National advertising campaign during the coming season. Their products are known by amateurs everywhere for their superior quality. The retail price of the Acmeflex Kitset is only \$65.00, a modest figure—within the reach of the average man. At our low price of \$44.60 there is a handsome profit for the dealer.

## **Acme Condenser**

Here is a variable condenser that has become immensely popular with all radio experimenters who want nothing but the best. A true "low loss" condenser—making for sharp tuning and selectivity for any receiving set.



Losses are extremely low. Dust proof cover-Losses are extremely low. Dust proof covering. Heads are aluminum die castings. Plates are brass. Logarithmic type giving an open scale reading. All plates of like polarity are soldered together. Bearings are coned brass against steel. Has vernier friction device giving an 8 to 1 reduction. Insulating material is low phase angle, hard rubber, and in a part of the field least affected.

List Price \$6.50

STOCK No. 92814 Not only is the Acme a

superior product, but because of the Acme advertising, this condenser sells "like hot cakes." The LOTS OF 10, \$4.14 Acme is a money making

## Acme Audio ransformer

The Acme Audio Transformer is so well known it has such an unusual amount of publicity that radio fans use them in many cases exclusively. Dealers find them the fastest moving goods on their shelves. Acme Audio Transformers have a ratio of 4.25 to 1. The transformers are noted for their amplification without distortion, which is obtained by

careful construction and the fine materials that Acme Acme Transformers may be used for audio amplification in nearly any radio hook up. The list price is \$5.00 each.

STOCK No. 92819 Cash in on

the National Advertising on the Acme line by carrying these instruments in stock. The fastest turning line in radio.

### Acme Pot-Rheo

This is a combined Potentiometer and filament rheostat put out in one instrument. room in the set and saves drilling of additional holes in the panel—at the same time giving concentric control. The Potentiometer has a resistance of 300 ohms. The rheostat furnished in two types—6 ohms and 30 ohms. All parts are of high heat resisting moulded material designed for either table or panel mounting and an attractive knurled bake-lite knob, and the engraved dial appears on the particularly useful in panel. List price \$3.00.

This instrument is radio frequency sets where Potentiometers are essential. Improves the appearance of any set.

STOCK No. 92817 6 Ohm Rheostat LOTS OF 10, \$1.96

STOCK No. 92818 30 Ohm \$ Rheostat LOTS OF 10, \$1.96

Acme Radio Frequency Transformer

LOTS OF 10, \$3.27

List Price \$5.00

Many dealers and amateurs consider the Acme radio frequency transformer to be the best on the market. There are three types which should be used in accordance with the the best on the market. There are three types which should be used in accordance with the Acme design. The coil is of insulated wire impregnated and wound on a core of thin enameled steel inclosed in a bakelite case. The list price of this remarkable transformer is only \$5.00.

Type Each List Price \$5.00

STOCK No. 92823

LOTS OF 10, \$3.27 Each List Price \$5.00

STOCK No. 92824

LOTS OF 10, \$3.27 Each

List Price \$5.00

## Shepco "All-Purpose" Receiving Set



PANEL VIEW

#### Any Combination

The biggest feature of the "All-Purpose" receiving set is its ability to be converted into most all different hookups. The panel is so arranged that by simply transferring different jumper wires, any of the following

wires, any of the following circuits may be employed: Regenerative single circuit Regenerative 2-circuit tuner Plate variometer circuit Single tube reflex circuit Plate and grid variometer circuit Radio frequency circuit. This is an ideal set for the radio experimenter who wants to try out the different circuits. Any one of the hook-ups used will make a fine receiving set. Furnished in finely finished mahogany cabinet.

Fine One-Tube Set This is a remarkably low priced 1-tube radio set built around the famous Shepco-all-wave couple. Every individual instrument in this set is of the highest quality. Stations from coast to coast have been picked up by the "All-Purpose" receiving set. Local stations can be brought in on a loud speaker, while distant stations come in clearly on the head set. Dealers can sell this complete with tube, head phones and aerial, for under \$30 and make a lovely profit on every sale.



STOCK No. 92853 List Price, \$21.00



INTERIOR VIEW

#### Sells on Sight

Not only is the "All-Purpose" receiving set one of the lowest priced 1-tube sets on the market, but it is one of the most efficient and sells on sight to the radio fan. By changing one or two connections, in accordance with the complete instruction sheet furnished with each set, any one of seven different hook-ups can be used. Here is a feature, Mr. Dealer, that appeals to the amateur radio fan and makes the "All-Purpose" set one of the "hottest" sellers in the game.

Run a special sale on this receiver—it can be installed com-plete for about \$30.00, and your profits will surprise you.

## The REMLER type 600 intermediate frequency transformer is the proper frequency—45,000 cycles—as Stock No. 92859 Stock No. 92859 The selectivity of this transformer is obtained by the use of special air core wound transformer. The bluegrints are furnished with transformer and full details may be had by wriging us.

Tuned Stage Transformer The Remler type 610 tuned stage transformer is designed for use with the intermediate frequency transformer illustrated above. Furnished with clips for mounting Dubilier condenser across the secondary terminals. across minals.

ntermediate Frequency

List Price \$5.00



#### **Balanced Coupling Unit**

List Price \$6.00

Remler Super-Heterodyne

There is a big sale for REMLER super-heterodyne apparatus—easily the most advanced super-het parts on the market. Dealers will find that experienced amateurs demand only fine, high grade parts, and the REMLER line will suit every requirement. All REMLER parts are made of moulded Bakelite with nickeled metal parts and carefully tested at the factory for frequency characteristics and voltage amplification.



This unit has been designed for use as an oscillator coil system and coupling unit in a super heterodyne circuit. Pigtail connection, 180 degree coupling. The windings are of green silk-covered wire on a Bakelite tube. Overall height is 3½ ins.

#### Complete Parts to Build emler Super-Heterody:

3 No. 92859 Remler Intermediate Transformers; 1 No. 92860 Remler Tuned Circuit Transformer; 1 No. 92861 Remler Coupling Unit with Dial; 8 No. 92862 Remler Sockets; 2 No. 92819 Acme A F Transformers; 2 No. 631 Remler Condensers with Dial; 1 No. 92863 Chelton Condenser Midget; 1 No. 92411 Hoyt Panel Volt Meter; 1 No. 92163 Filament Switch; 1 No. 92333 Howard 6 Ohm Rheostat; 1 No. 92334 Howard 25 Ohm Rheostat; 1 No. 92450 Open Circuit Jack; 1 No. 92015 Dubilier 1 Mfd. Fxd. Condenser; 1 No. 1822 Dubilier 0005 Mfg. Fxd. Condenser; 1 No. 1822 Dubilier 0005 Mfd. Fxd. Condenser; 3 No. 1825 Dubilier 0025 Mfd. Fxd. Condenser; 3 No. 1825 Dubilier 0025 Mfd. Fxd. Condenser; 1 No. 92152 Electrad Grid Leak; 2 No. 91682 Tip Jacks; 1 Set No. 92572 Engraved Binding Posts; 1 7x26x3/16 Radion Panel; 25 No. 91645 2 ft. Lengths Bus Wire; 25 No. 91657 Cambric Spaghetti; 1 Base Board; 1 Asst. Screws. 1 7x26 Cabinet.

As Described

#### **Accessories Needed to Complete**

Ritter folding loop aerial; 8 UV199 or C299 Tubes; 2 45-Volt. "B" Batteries; 6 Burgess or Red Seal Dry Cells; 2 4½-Volt. "C" Batteries; 1½-Volt. "C" Battery; 1 pair Betterbilt head phones; 1 Brandes Table Talker; 1 phone plug. All priced on other pages.

## Shepco "All-Wave" Tapped Coupler



Each 150 to 1000 Meters

The famous all-wave coupler used on the Shepco "All-Purpose" receiving set. The coupler is the heart of the many circuits that can be used with the "All-Purpose" set and is undoubtedly one of the most efficient couplers built. The guaranteed wave length is from 150 to 1000 meters, a range that will please all amateurs. The all-wave coupler can be successfully employed in nearly every known hook-up. Either table or panel mounted with 1/4-inch shaft. List price, \$5.50.

## Betterbilt Variocoupler 🏟



Permits either table or panel Permits either table or panel mounting. Wound with No. 26 magnet wire, arranged for 12 tubes. Has a wave length range of 175 to 650 meters and furnished with convenient Fahnstock clips. The stator and rotor coils are wound on natural BAKELITE tubes permitting exceptionally close coupling. Because of our amazing low price dealers can use this high grade coupler as a leader for special sales. List price, \$3.50.

#### Radio Diagrams and Books



All the modern hook-ups including the latest, such as the Flewelling, Reinartz, Reflex. and Neutrodyne Circuits are included in this set of Blue Prints. Instructions for building are also given. Put up in a handsome attractive envelope.

No. 91624, Diagram Package 35 C EACH

#### Citizens' Radio Call Book



New Edition
The 1924 edition contains nearly all the information wanted by the amateur. A complete list of all broadcasting stations. All amateur station call letters, names and addresses. Full of valuable radio data, hook-up including Neutrodyne, Refex and all latest circuits. Also the latest data and hook-ups of the SUPER-HETERODYNE.

A bg value for 50c.

STOCK No. 35C EACH

#### Other Modern Diagrams

No.	How to make A-	Price	Each
92665	Reinartz Receiver		\$0.35
92666	Reflex Receiver		.35
92667	Cockadav Receiver		.35
92668	Neutrodyne Receiver		.35
92670	The S. T. 100 Receiver		.35
92671	Ultradyne Receiver		.35
92672	5 Tube Cockaday Receiver		.35
92673	1 Tube Reflex Portable Receiver		.35
92674	New Harkness Receiver		.35

#### **Good Radio Book**

7	Title Each	
	"Radio News," Amateur Handibook \$0.70	
8	Tips for the Radio Constructor	,
9	Radio Questions Answered	7
0	Radio Frequency Amplifiers	7
1	All About Radio Parts	
2	History and Operation of Vacuum	
	Tubes	,
3	The Neutrodyne and all About It 17	
8	100 Hook-ups	
	How To Locate Trouble	

## hamrock Vario-Coup

180 Degree Vario-Coupler

Positively will tune in and above 600 meters.
The angular movement of the rotor, scissors-fashion, permits the cutting of but one line of the primary at a time by the secondary coil. Genuine grade XX Bakelite tubes, wound with single green silk covered coper wire. Large single and multiple taps. Light aluminum die cast frames for mounting on bench or panel. Construction reduces body capacity to a minimum. Fig tail connections eliminate noises and leakage

#### Double Duty Variometer

Pig tail connections from rotor to stator coll positively eliminate noises and leakage experienced with every other conceivable contact arrangement. Separate Fahnestock connections for both rotor and stator leads permit use as either astraight or split variometer. Full 360 degrees turn of rotor within stator. Genuine grade XX Bakelte Tubes. Positively will tune in and above 600 meters.

List Price \$3.50





## It Radio Batteri



#### Solid Rubber Case

After a thorough investigation of radio requirements, the "Betterbilt" Radio Storage Battery makes its appearance as one of surpassing merit. Here is a battery that you, Mr. Dealer, will be proud to install with the most expensive radio set—a battery of such rugged design—of such recuperative power—of such substantial construction that once sold it will stay sold for all time. "Betterbilt" batteries are made in a solid moulded rubber box—non-leaking—unbreakable—a container that eliminates all danger attendant with leaky batteries in the home. After a thorough investigation

Shipped Wet in Heavy



80 AMP

#### Extra Thick Plates

Extra Thick Plates
The extra heavy duty full ½-inch
plates hold the charge and provide
a steady uniform flow of current
to the radio, improving the reception and tone quality.
"Betterbilt" radio batteries are
provided with a heavy bail
handle convenient for carrying, and the terminals have leadcovered brass wing nuts for quick
connection of the battery wires.
We ship them wet fully charged in
special crates, insuring delivery in
good shape. Our present prices
on "Betterbilt" radio batteries
are the lowest in our history.

#### Greatest Battery Value

Only because of our tremendous purchasing power—we sell about 75 batteries every day—we are able to quote such remarkably low prices on Betterbilt Batteries. The quality is all there—nothing has been skimped—none but the finest materials are used.

They combine the very best features of the finest batteries on the market—sulphate resisting plates; extra rigid antimonial lead grids; best and purest lead oxides; especially treated Port Orford cedar insulators, unit cell construction; and last, but not least, the famous Ahbell one-piece solid rubber container.

BETTERBILT BATTERIES are supplied with a heavy bail handle convenient for carrying—also lead covered brass wing nuts affording easy connections to filament wires.



 $22\frac{1}{2}$  and 45 Volt Battery

Burgess batteries are nationally advertised and without question in the greatest demand. Our stock is always fresh, as daily shipments are received from the factory The 22½ volt and 45 volt—pr ced below—are the standard sizes used on most sets.

22½ Volt STOCK No. 91532

Lots of 10, \$1.40

STOCK No. 91535

Lots of 5, \$2.80



22½ Volt STOCK No. 91533

Lots of 10, \$1.40.

### Burgess Upright

221/2 and 45 Volt "B" Battery

For use where "B" Batteries fit inside of Radio Set. Same capacity as the flat type shown at the left. All that is different is the shape. The big turnover on Burgess Batteries insures a fresh stock at all times.

45 Volt. STOCK No. 91534

Lots of 5, \$2.80

#### 22½ Volt Untapped

A small sized battery with moderate capacity to be used whereever space must be saved; 41/6" long; 29/16" wide; 23/4" high.

STOCK No. 91530

Lots of 10, \$1.22



For Portable Sets

## "A" Battery BURGESS "A" BATTERY RADIO SERVICE

All rad-o owners know the Burgess 'A' battery; especially designed and perfected for use with WD11, WD12 and UV199 tubes. Gives double the life of the ordinary ignition cell, and enables the user to receive better results from his set. Put up in cases of 50 and carried in stock for prompt shipment.

Burgess

STOCK No. 91537

Packed 50 to a

Lots of 50, 32

A 50c Seller

Binding post terminals.
Three cells. Normal maximum voltage 4.5. Estimated life on "C" circuit approximately 1500 hours.

STOCK No. 91536

## Rechargable



#### Betterbilt Wet Radio "B" Battery

This 22½ volt "B" battery is rechargeable and will last indefinitely. Has solid one-piece rubber case with heavy glass jars. The plates are oversize—2½ "x1" x½" and will not give out for years. Consists of 12 cells giving 22½ volts. Size over all 13" long, 4½" wide and 5½" high. Shipped dry in heavy carton. Push these quality "B" batteries. Our low price gives you a fine profit.

STOCK No. 92791

Shipped Dry We ship these batteries dry, with full instructions for filling. Simply fill cells with electrolyte (Sulphuric Acid Specific Gravity 1.250) which may be obtained at any drug store or Battery Service Station

Lots of 4 \$3.57

## "A" Battery

A mighty fine, high grade dry cell made expressly for radio use. Furnished in square cartons, making them convenient for stock on the shelf. These batteries are regulation—1½ volt for WD11 and WD12 tubes

STOCK No. 91795 Case Lots of



## Battery Charger

BALKITES CAN

NOT BE SHIPPED

PARCEL POST

## Sell the Silent **Balkite Charger**

Charges "A" and "B" Batte\_ ries.

No Moving No Bulbs! Parts!

There is not a single moving part in the Balkite Charger to make nerveracking noises or to get out of order. This charger has no bulbs to burn out and replace. It is absolutely guaranteed for 2 years, has a fast charging rate, and requires no attention whatever. Undoubtedly the World's greatest battery charger.

Every Sale Gives You a Net Profit of \$6.12

Every Radio Fan a Prospect

"Break - Not"

Hydrometer

An ideal hydrometer for use in test-

An local hydrometer for use in testing radio storage batteries. The rubber parts are of special pure rubber that will not dry and crack. Very little glass used, thus practically elim nating breakage. A mighty rapid seller, and positively the best hydrometer you can buy.

LIST PRICE, \$1.00

STOCK No. 31180

STOCK NO. 91698 LOTS OF 3 1239

The Balkite Charger will charge 6 volt radio battery at a 3 ampere rate, the most efficient rate for use on radio storage batteries. It operates on 110 to 120 A.C. 60 cycle current and is very economical. The Balkite is built on an entirely new principle, namely, through rectification by means of the new metal Balkite. The operation is so smooth that the battery may be charged during the operation of the set without undue noises. BETTER TIRES strongly recommends the Balkite charger for all critical radio dealers. Unconditionally Guaranteed

Lowest in Price

**Lowest Charging Cost** 

Three Types The France Charger is supplied in 3 different types as listed below — an assortment, Mr. Dealer, that will meet every require every requiyour trade.
Sell a battery charger
to every
radio fan -there are unlimited possibilities in this field.

? Dependable The France Charger has been on the market for ten years — a time-tried and thorough ly tested machine that is absolutely dependable. Our prices on the France Charger are particu-

are particularly attractive and rebturn a good healthy profit every sale.

Here is a sturdy, low-priced and economically-operated battery charger of the vibrating type. Every detail of its construction has been carefully worked out, and all parts subject to wear can be easily replaced and are designed to give the maximum of service. France chargers can be used only on 110 volt A.C. 60 cycle current. Supplied with high grade ammeter showing charging rate. The France is absolutely safe and batteries can be charged overnight without danger.

STOCK No. 91610

Charges 6 volt sto-rage Battery at 6 Amp. rate per hour

List Price \$16.00

STOCK No. 91643

Charges 6 volt Bat-tery at 10 Amp rate per hour.

72 List Price \$20.00

STOCK No. 91644
Combination Type 6 volt "A" at 8 Amp 100 v. "B" at ½ Amp

List Price \$20.00



## BRIGHT STAR

Bright Star "B" batteries are exceptionally high grade and durable, and are noted for their long life on the shelf and in operation. They are the product of one of America's oldest battery factories, and our stock is always fresh, as carload shipments are made weekly to Chicago. Bright Star "B 'Batteries are all furnished with binding post connections—making it exceptionally easy to connect to the receiving set. Our remarkably low price show a handsome profit on every sale that low price show a handsome profit on every sale that

STOCK No. 92445

EACH IN LOT OF 10

SINGLE LOTS, \$2.49

221/2 Volt STOCK No. 92422

EACH SINGLE LOTS, \$1,28

#### Ball **Battery Tester**

Something different in a battery tester or hydrometer— more convenient than most because so little acid is needed to give a test. The balls tell

List Frice 75c

to give a test. The balls tell
the story of the battery.

STOCK No. 91688

Float All Three
Charged
Fully. Sinks
the GREEN—
Charge is
LEAN. Sinks
the R E D—
Charge is
DEAD.

Doz. Lots, 65c Each

Replaces "B" Batteries



### Solves B Battery Problems

Balkite "B" is the newest thing in Radio. It is a balkite B is the newest thing in Radio. It is a complete replacer for ordinary dry or wet "B" batteries. Plugs into any 100 Volt A. C. 50 or 60 Cycle Current and delivers to the Radio Set either 22½, 50 or 100 Volt as desired for plate current. Requires no tubes or bulbs of any kind and has no moving parts. Furthermore, it will operate with any type of receiving set without changing any wiring. It is contained in a metal box 8 inches high by 7½ inches. weighing about 17 pounds.

STOCK No. 91697 STOCK No. 91697

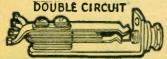
Plugs into Light Socket

The current consumption is less than 10 Watts and costs an average of 1/10c per hour, far less than dry batteries. While its initial cost is high, better results are obtained on the Balkite "B" than on either wet or dry batteries and it will last for years so that it is far cheaper in the long run.

List Price \$55.00 No Bulbs to Buy

110 Volt A. C. 60 Cycle Balkites cannot be shipped Parcel Post

#### QUALITY JACKS WITH FAN TIPPED SOLDERING LUGS



Type 91675 Single Circuit

91676 Closed Circuit Double Circuit 260

24c 25c

These jacks are low in price but of the best quality. Phosphor bronze contacts, nickel plated panel nut and fan-tipped soldering lugs Each for easy wiring.

Buy for Cash from BETTER World Radio History & Bank Your Big Saving

### ationally Advertised

## Brandes Head Sets

National advertising has created a tremendous demand for Brandes Phones. Without doubt, they are the fastest sellers in Radio. Brandes "Navy" Phones have the new shielded radio frequency cords, and without doubt, are America's finest. Brandes "Superior"

represent wonderful value, as they retail for only \$6.00. They are excel-Matched Tone for only \$6.00. I

Cash in on the Brandes big advertising campaign by stocking this line.

#### lhese

Superior Type 2000 Ohms STOCK No. 91600 List Price ots of \$6.00 6 \$3.90

Type 3000 STOCK No. 91602 List Price \$8.00

Each Lots of 6 \$5.20

Fastest Selling Phones America's

Everybody knows the Frost-Radio phones. They have a reputation second to none for perfect construction, unequalled delicacy and sensitiveness of diaphrag.m. and great capacity. They are made with watch-like precision to catch the extremely small electrical currents of radio reception.

STOCK No. 92990
2000 Ohm set, alum-set, alum-shell type, com-plete
List Price \$4.00

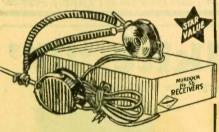
STOCK No. 92991
STOCK No. 92992
3200 Ohm set, alum-shell type, com-plete
List Price \$5.00

STOCK No. 92992
3200 Ohm set, alum-shell type, com-plete
List Price \$5.00

We show here two models of these Frost we snow here two induces of these Frost phones, but list three distinct and separate types. All of them represent full Frost-Radio quality. Frost phones are not only remarkably sensitive but they are sturdy enough for many years of constant use. The set of genuine maroon Bakelite, 3200 Ohm, listed above, is an especially fine model with polished maroon molded shells and caps, special moulded-in terminal block, and all "lead" wires are eliminated. It is a superior head "lead" wires are eliminated. It is a superior head set in every way, striking in appearance and supersensitive. A set like this will give the listener the utmost in pleasure from his radio set and enable him to catch many wave lengths impossible with an inferior grade of head set. Every model listed above is a genuine Frost-Radio phone of the standard Frost quality, which you know by name and reputation.



#### Murdock Phones



A nationally advertised low price line of Head-sets which have been on the market for ten years. They are time-tried and exceptionally satisfactory. When displayed in your stock they sell themselves.

STOCK No. 92342 2000 Ohma

of 6

List Price \$4.00

STOCK No. 92343 3000 Ohma

List Price \$4.50

#### **Betterbilt Head Set**

#### A Guaranteed Product

Here is a pair of Head-phones good enough to bear our name. Only because of Better Tires' tremendously producing power are we able to put them out at such a low price.

These phones are unconditionally guaranteed and dealers will find them a sure-fire leader for special sales. The Betterbilt Head-set is light in weight, comfortable on the head and manufactured of the best materials only.

STOCK No. 91615



Lots of 10 \$1.94 Each

Startling Low Price



Direct center pull magnets—Circular centered magnet field wing even magnetic pull on diaphram. Hard rubber case, of small pattern. Light in weight (9 oz. complete). Correct in design fitting the ear. Head-band instantly adjustable to comfortable postion. Special magnet construction assuring maximum efficiency under all conditions, articulation true even under high amplification with no distortion. Pole pieces accurately and uniformly ground. Magnets of wonderful strength. Special sens tive diaphragm.



#### **Head Set Cords**

Very flexible cords with copper tinsel wire and black cotton cover. Has regular soldered phonet pterminals.

STOCK No. 9 92536
"Y" Type 3 way
For Headsets
Lots of 10, 32c

STOCK No. 28° 92537 2 Conductor LU
For Loud
Speaker 10 Lots 26c

STOCK No. 92538 1 conductor for connections 12 in. ong. 10 Lots 7c

#### Phonograph Attachments

The Ekko enables the radio listener to use



STOCK No. 91689

List Price \$2.95

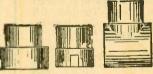
Double Head-

the sound box of his phonograph, as it connects any standard pair of phones or single unit to practically any type of phonograph. Every one knows that the sound box of a good phonograph makes a fine, loud speaker. So many people have phonographs that there is a big sale for the Ekko at-STOCK No. 91694

List Price \$1.85

For Single Loud Unit

#### Fittings for All Phonographs



These fittings will connect the Ekko Adaptor to practically any type of phonograph. They also can be used on other loud speaking units. STOCK STOCK

STOCK No. 92095 For Edison

No. 92096 For Columbia Pathe or Vocalion

No. 92097

For

Brunswick

## **VERNIER DIAL**



STOCK No.

92875

FINISH Dead Black Nickel Silver Satin Gold Here's a brand new Vernier dial. Just the thing for mounting on any variable condenser, and a great improvement in the appearance of the set. Has a ratio of 10 to 1. Always runs true and provides very fine and accurate tuning. A great advance in Vernier dial construction. Four inches in diameter and will fit 34-inch shaft. Made entirely of sheet brass. Fits flat against the panel No back lash. No lost motion. Try the Apex.

LIST PRICE

NET PRICE

Advertised Goods Mean a Quick Turnoffer Bigger Profits and no Dead Stock

#### The DULCE-TONE



VICTROLAS STOCK No. 92641

Specify Type of Phono-

For ALL OTHERS STOCK No. 92640

Specify Type of Phono-

Permits the use of any talking machine as a loud speaker without changing speaker without changing anything on the phono-graph. Simply place the DULCE-TONE on the turntable of the phono-graph, swing the needle into place on the reed of the DULCE-TONE, of of the DULCE-TONE, adjust one screw and sit back and listen!
There is no removing of the sound box, or tampering with any of the parts of the phonograph.
DULCE-TONE is a separate device,—not an attachment. Here, Mr. Dealer, is an item that should sell big. Furnished with 6 ft. phone cord, in two sell big. Furnished with 6 ft. phone cord, in two models. Specify which you require when ordering.

### America's Best Selling Loud Speaker

Brandes Table Talker

Without doubt the Brandes Table Talker is the fastest selling and most popular in RADIO. It is a big value at a remarkably low list price of \$10.00, and the liberal discount we give our dealers returns a handsome profit.

The Brandes Table Talker has a special wound unit permanently built in the base. A beautifully curved fibre horn, attractively finished, gives fine tone quality. Twenty inches high, with ten-inch bell and gun metal base, seven inches in diameter. Besure to feature and pushithe Brandes Table Talker.

Free Dealer Helps

We can turnish Brandes Window Trims and the Brandes Bronze Girl Statuettes for counter display tree of charge to Brandes' dealers. These will be sent free to you, express collect, upon re-

STOCK No. 91603

86 LOTS of 10 \$6.50 Each

Retails for \$10 our low price gives a good profit

Brandes



### Radio Musett



#### "Just Like the Music Itself"

The enjoyment of good music over the radio is doubled when the reproducer brings the music to you just exactly as it is played with all the tone qualities of the The Frost-Radio Musette is a big step forward in this direction. It is the very latest development, combining true reproduction of voice and all musical instruments. Special attention has been paid to the design of the horn as well as the improvement of the diaphragm itself, with the result that even at the low price at which it is sold, it is fully the equal in clarity and volume of any loud speaker on the market. The Frost reputation for standard quality is full assurance that the Frost-Radio Musette will give your customer exceptional satisfaction.

#### Three Very Attractive Finishe

The Musette is furnished in three very popular finishes. The base and throat are of die cast metal and Issues. The pase and timoat are of the cast interar and the bell is of genuine molded non-vibrating Bakelite. The Musette is the first and only popular priced loud speaker having a genuine Belite horn. The attractive color combinations appeal to the eye of every buyer.

STOCK No. 92993

Frost Radio

Black Crackle \$ 59

List Price \$12.50

STOCK No. 92994

Silver Filagree Finish Base.
Black Bakelite Bell.

List Price \$20.00

STOCK No. 92995

Gold Filagree \$
Finish Base. \$
Maroon Bakelite
Bell.

List Price \$20.00

## Timmons

#### A Beautiful Instrument

Many people are anxious to get away from the ordinary horn type of loud speaker. The Timmons is put out in an attractive brown mahogany cabinet of beautiful design, in fact, a real piece of furniture. Because of its laminated wood construction and of the remarkable Timmons built unit, these loud speakers have a rich clear tone quality, distinctively their own.

Type "A" STOCK No. 91799 Adjustable

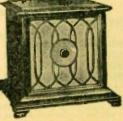
Diaphragm

Each

Type "N" STOCK No. 91798

Non-adjustable Plain Cabinet

Each



There are two types; one with an adjustable diaphragm, as illustrated; and type "N" with the non-adjustable diaphragm List Price \$35.00 List Price \$18.00 in plain cabinet.

# FROST-RADIO

Frost-Radio Push-Pull

#### **Battery Switch**

One of the new Frost products which measures up to the recognized standard of Frost-Radio excellence in material and workmanship. A thoroughly dependable push-pull battery switch. Positive contact, no leaks, cannot miss, sure to make connec-

tions. All metal parts are Stock No. 92996 heavily nickel-plated and highly polished finish. A good, standard battery switch backed up by the Frost reputation and our

guarantee of quality.



The Red Seal Phonograph Unit has a soft rubber connector which eliminates vibration but

permits connection with any phonograph tone arm except the Brunswick Made in a special decast metal case, which eliminates vibration a nd improves tone which eliminates vibration and improves tone Price quality markable value at \$5.00 list

\$5.00 LOTS OF 5, \$3.25

## Manhattan Loud Speakers



There is going to be a tremendous National Advertising Campaign on the Manhattan Loud Speakers this coming season, and dealers this coming season, and dealers who will carry them in stock are bound to cash in on it. Both types of Manhattan Speakers have die cast bases with the special wound reproducing units completely inclosed in non-resonant metal. They are beautifully finished in dark mahogany color and are proving to be popular sellers. Both types are equipped with concert modulator, enabling the user to get any degree of volume.

lanhattan "Jr."

#### lanhattan "Sr."

The famous "Concert Modulator" is the big feature of the Manhattan Sr. This is a device operated externally that controls the volume to suit con-ditions. It stands 30 inches high and has a 14-inch horn. A mighty good speaker to list at \$25.00.

STOCK \$ 15 NO. 92866 Each List Price \$25.00

LOTS of 5, \$16.25

Here is a big value, Mr. Dealer. Think of it, a real Loud Speaker with the famous "Concert Modulator" to retail for \$10.00, finished in Crystaline black. Stands 22 inches high and the horn is ten inches in diameter at the bell.

STOCK NO. 92867 List Price \$10.00

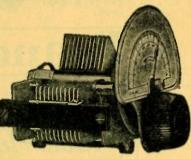
Each

LOTS of 10 \$6.50

Cash in on the UnivWorldRadioHistoryand for Better Radio

### Signal Low-Loss Condenser

All the Latest Features



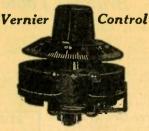
A genuine low-loss condenser with Vernier slow moving plates that is a masterpiece in construction. Both the Rotor and Stator plates are soldered, insuring perfect connection. In addition, these Stator plates may be adjusted. The Rotor has a pigtailed grounded connection. Hard Come Bearings are used on the Rotor shaft, making smooth operation. Fine hard rubber insulation is used and the plates are made of heavy gauge brass. A special metal dial, silver etched with zero to 100 scale, fastens to the panel and has a paper logging dial to record the various stations.

	Note	These	Low	Pric	es
STOCK	List				
No.	Price	Plate	es E	ach	10 Lots
92025	\$6.00	43	\$4.	18	\$3.83
92026	5.00	23		43	3.19
92027	4.75	17	3.	27	3.03
92028	4.50	13	3.	09	2.88

A remarkable feature of the Signal condenser is the slow motion Vernier which gives a ratio of 3½ to 1 without lost motion. The knob has a pointer moving in the same direction as the plates and this knob is the only control. No separate Vernier knob being needed.

Fine Vernier Control

#### Signal Rheostat



A mighty good Vernier rheostat furnished with a dial, operating the furnished with a dial, operating the dial, moves the Vernier contact arm, or engaging the main contact arm, thus giving smooth operation and perfect filiment control.

10 LOTS, 1.05

### Signal Bakelite Condenser

These low priced signal condensers are exceptionally well built, using genuine hard aluminum Rotor and Stator plates; heavy bakelite ends give rigid support, eliminating the danger of short circuits. These condensers are designed for panel mounting furnished with mounting screws and drilling template. The ½-inch shaft will fit any standard dial. Make the Signal condenser the price leader in your line. They are quality instruments and the price is remarkably low. These low priced signal

43 Plate | 23 Plate | 11 Plate | 5 Plate | STOCK No. 91505 | STOCK No. 91506 | STOCK No. 91507 | STOCK No. 91508 15

Each 10 LOTS, \$1.20 10 LOTS, \$1.08 10 LOTS, 98c

10 LOTS 82c

### Vacuum



**Panel Mounting** 

The Signal line of vacuum tube sockets is very complete and unquestionably the finest that money can buy. Made on genuine Bakelite base for panel or table mounting. The heavy nickel tube is securely fastened to the Bakelite base. The spring contacts are made of phosphor bronze and securely fastened. Binding posts are exceptionally heavy and finished in polished nickel. Made in all sizes and types at prices remarkably low, considering the

STOCK			LIST		
NO.	TYPE	SIZE	PRICE	EACH	10 LOTS
92160	Standard	Single	\$0.85	\$0.60	\$0.55
92168	Standard	Two Gang	1.65	1.15	1.08
92169	Standard	Three Gang	2.45	1.72	1.60
92170	UV199	Single	.75	.52	.49
92171	UV199	Two Gang	1.45	1.02	.95
92172	UV199	Three Gang	2.15	1.50	1.40

#### Universier Controls



The Walbert UNIVERNIER is a knob, dial and pointer which is substituted for the ordinary dial on the shafts of conthe ordinary dial on the shatts of condensers, variometers, varioformers, neutroformers, etc. Contains a simple mechanism so arranged that speed of rotation of the knob is 12 times that of the shaft and combines delicate and coarse adjustment in a single unit. Is easily installed in a few minutes. The knob is made of moulded composition of high dielectric quality and beautiful finish. For ¼-inch shafts.

Black Knob--Silver Dial STOCK No. 92795

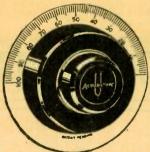
LOTS OF 10, 83c List Price \$1.25

Mahog. Knob--Gold Dial STOCK No. 92796 S

LOTS OF 10, 97c Each | List Price \$1.50

02

#### VERNIER Accuratune CONTROLS



The A curatune is an actual micrometer control superior to any other tuning device. For coarse adjustment the larger knob is used like any ordinary dial. The smaller knob operates the Vernier mechanism for fine tuning, at a reduction of & to 1. The Accuratune is made of genuine bakelite with beautiful silvered dial and neatly engraved graduations. Pits 1/2-inch instrument shafts.

\$3.50

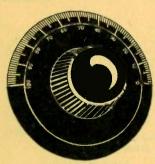
ment shafts.
Dial four-inch
diameter, guaranteed by the
manufacturer.

Each

LOTS 10, \$2.30

## Betterbilt Compo · Dial

Lowest Prices -- All Sizes



10

These remarkably low priced dials are Inese remarkably low priced dials are made of a special composition material guaranteed not to warp, beautifully finished, a glossy black with white enameled engravings. These dials are furnished with a heavy brass bushing to fit 14-inch shafts. A set screw in the brass bushing permits fastening permanently in place. Exceptionally low prices make these dials suitable for price leaders in a sale.

3 Inch 2 Inch STOCK No. 91596 STOCK No. 91595 STOCK No. 91594

4 Inch

40 10 LOTS, 15c 10 LOTS 18c 10 LOTS 26c

#### Hemco Bakelite Dial



A genuine Bakelite dial with heavy brass bushing to fit ¼ inch shafts. Has a particular easy gripping knob and ribbed dial. Unquestionably these dials are the greatest values now on the market in genuine bakelite. Our amazing low price is bound to please you.

Inch STOCK No. 92752

3 Inch STOCK No. 92753

10 LOTS, 23c 10 LOTS, 27c 10 LOTS, 40c

4 Inch STOCK No. 92754

#### Vernier Dial Attachment

For fine a d justment, use the vernier on dials. It mounts on panel and engages the outer edge of the dial with rubber STOCK No. 91558 friction clutch. Ideal for sensitive tuning.



10 LOTS 24c

## ice-Like a Warehouse of Your





Radiotron or

Radiotron and Cunningham Tubes are generally scarce because of our tremendous sales and we reserve the right to fill orders with either brand we happen to have in stock. However we will try to furnish your favorite brand if you specify your preference.

All of our Tubes are sold with a limited All of our Tubes are soft with a limited guarantee. If a tube fails to work, even with the filament lighted, the tube may be returned for replacement. Tubes that are burned out cannot be replaced. Once the tube has been lighted the factory will not consider a replacement unless the tube has not been burned for any appreciable length of time.

STOCK No. 91605

No. 91606

Type UV200 6 Volt Detec. List Price 14.00 Each \$4.00 Type UV201A 6 Volt Type WD12 1½ Volt Amp. List Price \$4.00 Each \$4.00 Each

STOCK

STOCK

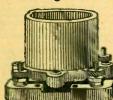
No. 91608

Each \$4.00

No. 91609 Type UV199 3 Volt \$200



#### Benjamin Sockets



The big feature of this Socket is the rubber shock suspen-This saves wear sion. and tear on the tubes and eliminates har-monics. Put out in two sizes.

Stock for Price 10 No. tube ea. lots 92717 UV200 70c 65c 92718UV199 7 0c 65c

#### 5-HOUR SERVICE

BETTER RADIO is now tuned up to give 5-hour service on all orders - the fastest shipping Radio Service in America. Try us out with any kind of an order — SOME service, you'll say!

### **Guaranteed Echotrons** Absolutely Guaranteed



Here is an independently manufactured vacuum tube that is giving splendid results. These tubes have all the characteristics of the regular U. V. 201A tubes, and hundreds of radio fans are enthusiastic boosters for them. They are made only in this one type—6 volt with ¼ amp. filament.

65

Each

Type UV201A

STOCK No. 91604 Should at any time an Echotron fail to function properly or burn out before completing its full life, same can be returned for replace-ment to us. We positively guarantee Echotrons.



There is a tremendous demand among the younger radio fans for low priced apparatus, and with that in mind we have developed the Betterbuilt socket that will appeal to this trade. The socket has a heavy nickel tube mounted on a composition base, and is furnished in three types as listed below. The contact springs are all special spring brass insuring perfect contact with the tube. The nickel upper part is moulded into the base so that it cannot work loose. Polished nickel, heavy turned brass binding posts are rigidly fastened to the base and will not turn loose. Make a special drive for socket business in your neighborhood by featuring this low priced socket.

STOCK No. 92060

Each 10 LOTS 22c

For Standard Tubes 3 Gang Standard For Standard Tubes STOCK S No. 91526

10 LOTS \$1.30

For UV199 Tubes

STOCK No. 92061

Each 10 LOTS 20c

#### ert Socket



With - Many New eatures

The Walbert Safety Rim SOCKET is an all bakelite socket with reinforced rim of nickeled bakelite socket with reinforced rim of nickeled brass which positively prevents chipping and breaking out at the tube slot. It is designed to eliminate capacity effects prevalent in so many sockets and to prevent excessive dielectric losses. The use of all bakelite sockets is being speci-STOCK No. 92793 fled by all leading radio engineers. List into the considerably the resistance arising from poor contacts through binding posts

## Genuine

These Sockets, while remarkably low in price, are equal to many selling at much higher prices. Moulded of genuine red bakelite with reinforced slot to hold the tube. The contact springs are double laminated, which insures perfect contact with the prongs of the tube. The binding posts are made of turned brass, nickel plated, and rigidly molded in place. We positively guarantee these bakelite sockets to be satisfactory. should make a splendid leader for a radio sale and at the same time can be sold at a splendid profit.

Standard Tube STOCK No. 91528

10 LOTS 28c

UV199 Tube STOCK No. 92436

10 LOTS 26c

Standard Tube STOCK No. 92405

10 LOTS 33c

Panel or Base Mounting Standard Tube 3 Gang

Stock \$ 92407 Each

10 LOTS \$1.20

UV199 Tube 3 Gang Stock

92408 10 LOTS \$1.05

No.

## Centralab Variable Grid

Formerly "CRL"



This variable grid leak has been on the market for many years and thousands of radio fans are ardent boosters for it. Can be regulated evenly to a hairline between 1/4

Each 10 LOTS 81c

STOCK No. 92781 and 8 Megohms. Mounts on a panel thru a single hole and space is pro-vided for adjusting a standard fixed List condenser. price is \$1.25 a piece.

Non-Inductive

Assures quiet tuning as it has no wire-wound resister or strip. By a patented rocking circular disk it does away with the need for a shunting condenser. Only a single hole is required for mounting. Contacts are completely enclosed, thereby protected from dust and mechanical injury.

No. 92782 Poten.

400 Ohms 2000 Ohms

tiometer has a re-sistance of 400 ohms and is applicable to and is applicable ordinary purposes. No. 92783 Potentiometer is designed for special applications and has a resistance of 2,000 10 LOTS \$1.00

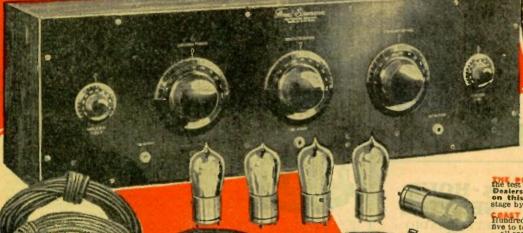
STOCK No. 92782 STOCK No. 92783

05 20 Each Each 10 LOTS \$1.15 List Price \$1.50 List Price \$1.75

Formerly "CRL"



# Sisemann NEUTRODYNE



STOCK Nº 91904

The Genuine Freed-Eisemann 5. Tube Neutrodyne The Latest Model "NR6"

The Freed-Eisemann Neutrodyne has stood the test of time and has proven itself in thousands of American homes. Dealers everywhere are enjoying a steady and profitable sale on this Wonder Radio Set. Here is a set past the experimental stage by 18 months—a set that will satisfy the most critical radio fan.

stage by 18 months—a set that will satisfy the most critical radio fan Hundreds of owners, in the winter months especially, pick up from five to ten stations on the Pacific Coast daily. Cuba, Mexico, Canada—all are within daily reach on the Freed-Eisemann Neutrodyne. And best of all, the most distant stations come in on the loud speaker, particularly so when air conditions are favorable.

Can be logged a child can operate the set with ease. By "logging" we mean keeping a record of the dial settings of each station. After once completing this "log" or station record, it is simplicity itself to turn back to any station desired, and presto—there it is. The Neutrodyne circuit is one of the very few that incorporates this highly desired feature.

Neutrodyne is patented. This circuit is the invention of Prof. L. A. Hazeltine, the noted radio engineer, and it is rigidly protected by patents. Freed-Eisemann are Licensees and our dealers may feel perfectly secure selling this set. However, we caution the trade against selling unilcensed Neutrodynes as that may lead to litigation.

BETTERBILT

BATTERIES Guaranteed 2 Years HE BETTER TIRIES (QChirogo

Here is exactly what we supply with each Stock No. 91904 Freed-Elsemann Neutrodyne Bet at \$139.85:

1 Freed-Elsemann Model NE6 Neutroest.
5 Radietron UV2914 or Cunningham C301A tubes.
2 45-volt "B" batterles.
1 "Betterbilt" 100 amp. hour storage battery.
1 pair "Betterbilt" bead phones.
1 complete aerial outlit (everything needed to put up a good aerial.)
We do not include a loud speaker or a battery charger. If one is required, you will find them listed on pages 7 and 9 of BETTER RADIO.

Freed-Eisemann Neutrodyne sets are now teing nationally advertised and BETTER RADIO desiers will find Freed-Eisemann a ready seller. Our fow met prices give you an excellent grofit. Retail price of this set complete, installed is 3246.00. Why not, Mr. Dealer, push the sale of a hich class, high grade radio such as the Freed-Eisemann, where every gale gives you a big profit, and every sale is a real one? Put a sample set in your store and they will sell themselves!

## Italian Walnut Console and Loud Speaker



## With Radio Set Illustrated Above STOCK NO. 91999

Here is one of the most artistic console cobinets ever designed for use with a radio set. An exquisite place of furniture that anyone can be proud to own. Pinished in beautiful Italian waining, hand carved legs and panel. This console has a built-le loud spaker that one poduces a beautiful, clear and mellow tone. Top lifts up to give accept the receiving set. There is a drop ganel which covers the radio when the lift is made as an arm rest and writing desk when lowered. The bottom compartment is roomy exough to contain both "A" and "B" batteries. This cabinet makes a camplete self-contained radio set, eliminating the usual disorderly cluster of batteries and coils of wire.

The interior compartment is 33 inches wide, 11½ inches deep and 11 inches high—room enough to take any standard type radio set. Cabinet itself is 42 inches high—an impressive and distinguished looking piece of furniture. When closed up and the radio not in use, you have an artistic and delightful wall cabinet, beautiful enough to grace the most fashionable drawing room.

#### A Magnificent Combination-This Console With Freed. **Eisemann Neutrodyne Set!**

Stock No. 91999 supplied as illustrated to the left all complete. We furnish the complete Stock No. 91904 Freed-Eisemann Neutrodyne in this censole cabinet at a special price of \$198.75. This includes everything; nothing extra to buy except your battery charger, shown on page 7, if desired. Unquestlonably the greatest value ever presented to radio buyers. Retail price, irstalled, is \$325.00—a profit to you of ever \$125.00 on each set, and each sale means a satisfied customer, bringing you more business all the time.



Advertised Goods Mean a Quick Turnover-Bigger Profits and no Dead Stock



Neutrodyne

List Price \$150

The Freed-Eisemann NR6 is the standard five-tube Neutrodyne 1925 model. It is the famous receiving set which brought in London and Los Angeles with surprising regularity on a New York installation last winter. The thousands of sets now in constant use are evidence enough of the satisfactory service rendered by Freed-Eisemann Neutrodynes. Thousands of people in your immediate territory, Mr. Dealer, are going to want radio sets this fall. Sell them the Freed-Eisemann line and have 100% satisfied customers and enjoy the elegant profit obtained on every sale—as well as the prestige of being a Freed-Eisemann dealer.

Just like opening a safe—the user of a Freed-Eisemann Neutrodyne keeps a "log" or reading of the dials for all stations and samply turns to the particular station wanted at his pleasure. Coast to coast range with loud speaker volume and a clarity of tone unsurpassed are daily results.

STOCK No. 91903 Net for Bare Set

A big feature of this set is the volume control dial permitting the operator to control the volume of reception at will, without touching any other control but this dial.

SPECIFICATIONS MODEL NR 6. Mahogany finished cabinet 28 inches long by 8 inches high; polished bakelite panel; three tuning dials; rheostat dial; volume control dial; phone and loud speaker jacks; all battery connections in rear; wave length 200 to 575 meters. Parts necessary to complete are 5 UV-201A Tubes (use nothing but R. C. A. make for best results); six-volt storage battery; two 45-volt "B" batteries; phones and loud speaker; outside aerial from 75 to 125 feet long. List price \$150.00. Our net price to dealers only \$102.90. Stock No. 91903. All necessary accessories are listed in this catalog.



## Neutrodyne



## Five Tube

Freed - Eisemann Neutrodyne

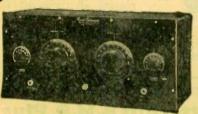
The De Luxe Model NR20, illustrated above, uses the same interior neutrodyne set as Model NR 6, pictured to the left. The only difference between the NR 6 and NR 20 is the cabinet and fittings. Built in genuine African the NR 6 and NR 20 is the cabinet and fittings. Built in genuine African figured Adam Brown Mahogany, highly polished with hand carved cornices. It has a front panel cover that drops down forming a shelf for comfort when tuning. When this lid is closed the panel and dials are concealed so that to all appearances instead of a radio set there is an exquisite chest of carved mahogany.

All the metal parts on the NR 20 are solid gold plated and the dials and engravings like-wise are in gold. There is nothing prettier in the way of furniture and nothing superior in a radio set than the Freed-Eisemann NR 20.

STOCK No. 91917

When used with Stock No. 91912 console cabinet, with built-in loud speaker, an artistic beautiful effect is obtained. These two pieces, the set and cabinet are perfect components -harmonizing perfectly in design and finish.

The Freed-Eisemann NR 20 retails for \$175.00—no more than many The Freed-Eisemann NK 20 retails for \$175.00—no more than many ordinary sets selling for the same price not half as efficient or handsome. There is a great potential market for a radio of this kind among people who want nothing but the best. To complete the set the following parts are required: Five UV-207A Tubes (nothing but R. C. A. should be used); two 45 volt "B" batteries, one Betterbilt storage battery, a pair of phones a loud speaker and an outside aerial about 75 to 125 feet in length. Stock No. 91917. All accessories to complete can be found listed in the radio section of "Better Tires."



### Four Tube **Model NR12**

Freed-Eisemann Neutrodyne

There is a tremendous demand for a selective and distance-getting Neutrodyne that can be sold at a popular price. To meet this demand Freed-Eisemann have designed the NR12. This is a four-tube Neutrodyne set, having but two tuning dials which makes it exceptionally easy to tune. This four-tube model does not have the distance range of the larger 5-tube set, but stations from 500 to 1,000 miles under favorable conditions can be brought in on the loud speaker without any difficulty. The volume of tone is amazing, and the quality is clear and mellow. Built in a polished genuine mahogany cabinet. Has volume control dial and this set the following parts are needed. Four V-201A tubes, (RCA make Five best results) two 45-volt "B" batteries, a pair of phones and loud speaker, and an out-ide aerial of about 75 to 125 feet in length. List price is \$100.00.

nsole for Model beautifully carved,

grained, and inlaid genuine walnut cabinet of exquisite design. An elegant piece of art furniture for the finest home.

This model console is designed for placing the radio set on top instead of inside. It has a built-in loud speaker, a large roomy compartment for both A and B batteries, built expressly for Freed-Eisemann N. R. 20, which is shown in the illustration but not included. Our price covers console with speaker only.

STOCK No. 91912

List \$100.00



Descriptive Literature

# NEUTRODYN)

Net

STOCK No. 91907

All Parts Less Tubes, Aerial or Phones

#### Model KD50

Freed - Eisemann Knocked-Down Neutrodyne

List Price \$80

For the man of technical or mechan-

For the man of technical or mechanical training who wants the fun of building his own Neutrodyne, Freed-Eisemann put out the KD50, a complete knocked-down five-tube Neutrodyne with all necessary parts in an attractive display carton that helps the dealer sell them. Every part needed to construct the set is furnished, including a drilled and engraved panel and complete detailed blue prints and instructions contained in the 32-page illustrated book, "How to Build the Neutrodyne." The only additional thing needed, besides, of course, batteries, phones and aerial is the cabinet which we list on page 19, Stock No. 92727, at \$4.35. The KD-50 when properly built and neutralized makes a splendid five tube Neutrodyne that will bring in stations from coast to coast.

### How We Protect the Dealer

IRST, we send out our catalogs only to bona fide, legitimate dealers who buy merchandise for re-sale purposes. We will not knowingly let our catalogs get into the hands of private individuals who should be your customers, not ours. We want you, Mr. Dealer, to make your full profit on sales. We can only do this by making air-tight rules as to who can get our confidential wholesale prices. Even after an order is received, we make sure that it comes from a dealer before filling it.

#### We Check Up Carefully

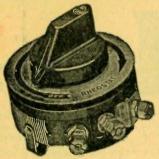
Every catalog request is checked against the mercantile reference lists to make sure that the party requesting it is actually in business and entitled to receive the special wholesale prices we quote. Sometimes dealers think we lean back a little too far prices we quote. Sometimes dealers think we lean back a little too far on this policy, but in the long run, they appreciate that this means 100% protection for them and their profit.

We Sell Only to Actual Dealers

Cash in on the Universal

#### RADIO ESSENTIALS PACENT

### Pacent Rheostats



The unusual beauty and perfected design of Pacent Rheostats and Potentiometers appeal to every radio user.

The two-unit construction simplifies installation and makes it easy to change from panel to table mounting, and vice-versa.

The winding is properly exposed and spaced to cool quickly, an assurance against burning out. The heat resisting core and base will not crack or warp.

The attractive silver dial, which makes panel engraving unnecessary, may be used as a drilling template.

#### Rheostats

Stock No. Resistance

92320 - 6 ohms

92321 - 10 ohms

92322 - 30 ohms

LOTS OF 10,

65c EACH

NET PRICE | Potentiometer

STOCK No. 92325

OHMS 9

10 LOTS 85c



Pacent Duo Piug

The Duoplug takes two pairs of phones in parallel, made of pure bakelite, eliminating

chances of short circuit.

One of the finest plugs Slock No.

On the market.

List 92393 price, \$1.00.

LOTS OF 10, 65c



#### Pacent Plug

An exceptionally low priced plug, convenient because of its small size. Has special patented features permitting quick connections. This plug is accurately machined so that if fits standard jacks smoothly. The list price is 35 cents.

STOCK No.

92397

### **Pacent Jacks**



The jack is a vital unit in radio equipment. Pacent jacks are thoroughly reliable in every detail. They have coin silver contacts- German silver springs-nickel plated brass frames- Micarta insulation-extra heavy nipples-lugs tinned for soldering. They are rigidly assembled and beautifully We strongly recommend the use of Pacent finished. Jacks.

Stock No. Type Each 92080 Single Open Circuit ... 39c 360 Single Closed Circuit. . 45c 92081 42c 48c 92082 Double Circuit......52c 92083 Detector Neutrodyne. . 65c 60c 1st Stage Neutrodyne. 65c 92084 60c

92085 2nd Stage Neutrodyne 650 60c

#### Re Pacent Multi Jack



polarity. 10 LOTS 65c

#### Pacent UV199 Adapter



List Price 40c

Standard base sockets can be converted for use with U. V. 199 tubes by using this adapter. The contact springs are made of phosphorus bronze. They are well insulated and will not short circuit.

Accurate.

STOCKINO. 92162

Accurate spacing of the contacts has eliminated capacitative effect.

Accurate spacing of the contacts has eliminated capacitative effect.

#### **Howard Multi Plug**



STOCK No. 92465 10 LOTS \$1.30

Provides positive connection for from 1 to 6 pairs of phones, all connected at the same time. Quickly detached, and connections made by merely inserting the tips of the phone cords in the holes provided in the plug for that purpose.

#### Pacent Duo Jack

The Duojack is intended as a quick means of converting binding posts to convenient plug and jack equipment. It is provided with two adjustable connectors which can be made to fit binding posts of various spacing.

STOCK No. 92332

10 LOTS 65c

Pacent A

When it is attached to the binding posts it permits connection of two plugs. In this respect it functions similarly to the Pacent Twinadapter.



STOCK No.

92327

10 LOTS 26c List Price 40c

#### Betterbilt B.M.S. Plug



This small sized plug is very handy as phone cords can be connected in a jiffy — no set screws being used. The new round shape is very popular now-a-days.

STOCK No. 92398

LOTS OF 10, 32c

### Twin Adapter

This device will permit a single jack to accommodate two plugs. jack to accommodate two plugs.

Two pairs of phones may thus be connected to the jack or a pair of phones and a loud speaker. In the latter instance the phones alone may first be plugged in until the set is properly tuned and the loud speaker plugged in later. Using the Twinadapter in conjunction with plugs is much more satisfactory than connecting and disconnecting conditions.

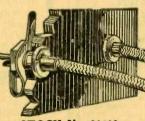
STOCK No.

92330

92330

10 LOTS 65c

members are strong and lasting. Insulation is perfect. The Twin a dapter should be an auxiliary to every radio equipment.



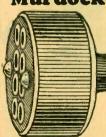
STOCK No. 91682

List Price 25c Pair

LOTS 10 Pr. 18c

A very fast sell-ing specialty and extremely useful. These jacks fit on the panel and re-ace binding posts. the loud speaker or head set cord tips plug into the lack and make firm contact.
The price is low and thousands of radio fans are using this mighty convenient device. List price is 25 cents per

## **Murdock Jack Plug** Four telephones can be used at one time with the Murdock Plugjack. Thousands of listeners



STOCK No. 92540 10 LOTS 65c the Murdo Thousands want them. The head set cord tips are inserted in the spring

are inserted in the spring sockets, shown on the body of the plug, and are rigidly held in place. To disconnect the phones, simply give the cords a quick jerk. Made of special moulded insulation with bronze metal parts,— a high quality job throughout.

## ervice-Like a Warehouse of

Our Tremendous Stock of 1500 Radio Articles Just 5 Hours from Your Store

#### Micadon Dubilier



A11 Sizes in Stock

These are the genuine Dubilier-Micadons that are so universally known and universally Most manufacturers of radio sets have adopted Dubilier-Micadons as standard equipment.

No.	Capacity	List	Each	10 Lots
91820	.0001	\$0.35	24c	23c
91821 91822	.000 <b>25</b> .00 <b>05</b>	.35	<b>24</b> C	<b>23</b> C
91823	.001	.40)	20-	26-
91824 91825	.002	.40	28c	<b>400</b>
91941 91842	.003	.50 }	35c	33c
91843	.005	.60	42c	39c
91844	.006	.75	53c	50c



Used by the Man Who **Knows Radio** 



**Dubilier Duratran** 

A radio Frequency transformer, designed for a wave length of 300 to 500 meters. The Duratran transformer is mounted in a hard rubber case, with plainly marked terminals. Suit-STOCK No. 91641 able for any type of radio frequency amplification.

2 24 Lots of 6 Each \$2.60 List price \$4.00.



#### **Dubilier Micadon** Transformer Type

This type is designed to fasten to the top of binding posts of the Audio Frequency Transformer.

10 Lote

33c

STOCK	
No.	

No.	Capacity	List	Each
2010	.001	50c)	0=
2011	.002	50c	35c
2012	.0025	50c	000



91640 Lots of 10 96c

Ducon

Dubilier

Radio reception from a lamp socket eliminating aerials, especially in locations close to a broadcasting station. No danger from short circuit or lightning. Cuts down static. Fully approved by the Underwriters. List price \$1.50.

9

#### **Dubilier Micado**

Grid Leak Type Designed to fit standard Grid standard Grid Leak such as Electrad listed

#### Grid Leak Not Included

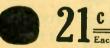
No.	Capacity	List	Each	10 Lots
9183 <b>6</b> 9183 <b>7</b>	.0001	45c	32c	30c
91838	.0005	45c	326	300

These are the large capacity genuine Dubilier-Micadons recently put out. They have soldered lugs for making quick connections.

STOCK No.	Capacity	List	Each	10 Lots
92065	.0001	\$0.45	20	21
92066	.00025	.45}	32c	31c
92067	.0005	.45	010	OIC
92068	.001	.50	35c	33c
92069	.002	.50	220	226
92070	.006	.85	59c	56c
92071	.01	1.00	69c	65c
92072	.02	2.00	1.37	1.30

#### **Dubilier** Dutec

STOCK No. 91674



Doz. Lots 20c

A remarkable chemical rectifier to replace or-dinary crystals. Super-sensitive and constantly so. Non-oxidizing and non-deteriorating. Fits non-deteriorating. Pits all of standard detectors. List price 40 cents.



Electrad Grid Leaks

fine tubular glass Grid Leak accurately rated and will fit ill standard mountings.

Stock No. Rating Stock No. Rating 92150 1 meg. 92153 2½ meg. 92154 3 meg. 92154 3 meg. 92155 3½ meg. 92156 4 meg. 10 Lots 20c

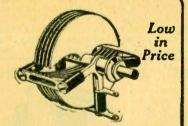
### Dubilier By-Pass Condenser



Used as a by-pass for the radio frequency currents around the high internal resistance "B" battery, enabling louder signals. Also used to control fluctuating current delivered by a partly run down "B" battery, eliminating noises. ting noises.

ı	No. Ca			Each	10 Lots
1	92015	.1	\$0.70	\$0.49	\$0.46
1	92016	.25	.75	.53	.49
1	92017	.5	.90	.63	.58
2	92018	1.	1.25	.88	.82
•	92019	2.	1.75	1.23	1.14
	92020	3.	2.75	1.93	1.79
	92021	4.	3.75	2.63	2.44

## CODUCTS



This low loss condenser has great tuning range and tuning ratio. One hole mounting, no screws needed. Has grounded rotor and cone type rotor bearings eliminating side or end play. All plates securely soldered. Brass and phosphor-bronze construction throughout.

No.	Plates	List	Each	10 Lots
92035	7	\$2.75	\$1.88	\$1.80
92036	17	3.25	2.23	2.13
92037	23	3.50	2.40	2.30
92038	33	3.75	2.57	2.45

## Hedgehog"



former

A regular audio fre-quency amplifier, ideal for portable sets or wherever space must be conserved.

The Size of a Walnut

This famous little transformer is about the size of an English walnut. 100 per cent shielded. Mounts anywhere, saves space in assembly. One of the most compact and efficient audio transformers designed.

Ratio 1 to 3 STOCK No. 92045

\$2.40 Each Lots of 10 \$2.30

STOCK No. 92047

40 Lots of 10 \$2.30 STOCK No. 92046

40 Each Lots of 10 \$2.30

Ratio 1 to 10 STOCK No. 92048

09 Each Lets of 10 \$2.94



Small and **Efficient** 

#### Premier "Radiotran"

Another Premier achievement—this little radio frequency transformer has an "air-core." Works fine on all Works fine on all standard radio frequency circuits. Has STOCK No. 92039 a non-metallic case-ex-

Lots of 10, 98c List Price \$1.50.

ceptionally compact, and so designed that a great saving of space is effected by its use. Mounts any-where—panel or base

### Low-Loss Socket



The "twist of the wrist" socket made of moulded bakelite insulation. Contact spring of one piece construction. Minimum capacity between contact springs. Has visual contact inspection. List price—Both types—90c.

Standard STOCK No. 92043

For U. V. 199 STOCK No. 92044 61c Lots

Buy for Cash from BETTER World Radio History Bank Your Big Saving

#### All-American Transformers



Audio Amplifiers

All-American Transformers for Audio Frequency amplifica-tion are the most efficient on the market. Equally adapted for use in reflex, Neutrodyne and use in reflex. Neutrodyne and all other new circuits using audio transformers. The windings are carefully and accurately made, and completely inclosed in a shielded metal case, attractively finished with black enamel. All-Americans are furnished in three ratios to meet the requirements of nearly all circuits. Many manufacturers have adopted them as standard equipment. Thousands of dealers push them because of their sterling qualities.

RATIO 5 to 1

26

RATIO 3 to 1

LOTS OF 10 \$2.89 LOTS OF 10 \$3.02 LOTS OF 10 \$3.02

List Price \$4.50 List Price \$4.75

List Price \$4.75

STOCK No. 91511 | STOCK No. 91521 | STOCK No. 91519 RATIO 10 to 1

## Showing dial in place and gear system and "slow motion" plates. Complete With Dial

Side View

The dial used with the Remler condenser is furnished with a renewable paper chart for keeping the log record of stations. Dial is four inches in diameter, with large knob of molded Bakelite. New paper charts are put on by simply unscrewing the knob. Extra charts and drilling template are furnished with each condenser. each condenser.

Vernier

Remler Capacity Unit The Finest Low-Loss Condenser

A remarkable advance in variable condenser design is the new A remarkable advance in variable condenser design is the new Remler Capacity Unit. An absolute low loss design, without any metallic connection extending through the panel, so that complete shielding is achieved and body capacity effects eliminated. The lowest minimum of capacity, heretofore unobtained, has been reached, the ratio of maximum to minimum being 165 to 1. The plates are made of sheet brass, dye embossed and tempered. The plates are swedged into the mounting shaft and soldered top and bottom.

STOCK No. 92857 .00035 M. F. STOCK No. 92858 .0005 M. F.

Either Size the Same Price

Lots of 10 \$3.25 List Price \$5.00



Rear View- Note twin rotors and vernier control.

#### ush-Pull Transformers



#### A New System of Amplification

This new form of amplification works beautifully with the All-American Transformer. The push-American Transformer. The push-pull circuit is getting more popular every day, and dealers should stock transformers for same. We can furnish detailed descriptive litera-ture on All-American push-pull circuit.

STOCK No. 92550

112

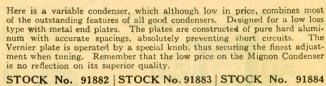
List Price \$6.00

STOCK No. 92551

Each

List Price \$6.00

#### Condenser Mignon



13 Plate .0002

Lots of 10 \$1.79 List Price \$2.95 23 Plate .0005

Lots of 10 \$2.12 List Price \$3.25

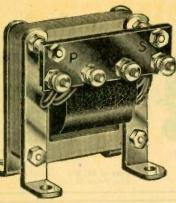
43 Plate .001

Lots of 10 \$2.55 List Price \$4.00

## Betterbilt

Audio Frequency Type

A mighty good, sub-stantial and well built condenser without fancy frills fancy frills or finish, just pure quality— that is why the price is low.



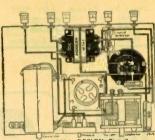
#### Just a Good Transformer

This transformer has been built to our specification. Every part that has gone into its con-

cation. Every part that is struction is of a superior quality. The price is low because we have eliminated the fancy dress, preferring to give instead honest quality and real value. At this amazingly low price dealers can use the Betterbilt Transformer as a price leader. The winding ratio is 3½ to 1, and we strongly recommend this transformer for all audio amplifiers.

STOCK No. 91699

LOTS OF 10, \$1.83



The RASLA REFLEX Circuit

#### The Popular Rasla Reflex Circuit

This complete reflex circuit that has been developed and built around the principal parts used in it, namely; the Rasla transformer, the Modern Audio Transformer and the crystal detector. This circuit is easily wired and a one-tube set that can reach over great distance can be constructed at a moderate price. Here, Mr. Dealer, is an outfit that you can put out, either wired or unwired, at an exceptionally low price. The Rasla circuit when properly constructed makes an ideal one-tube receiver which later can be increased in size by the addition of a two stage amplifier for operating a loud speaker.



he used in any other reflex or radio circuit than the Rasla Reflex, a diagram of which may be secured by writing direct to

#### "Rasla" Reflex Transformers

This is the heart of the Rasla reflex circuit, an especially de-signed transformer to operate in the Rasla Hook-up.

STOCK No. 92531

List Price \$4.00

#### "Modern" Audio Transformers

Modern transformers have been especially designed for use as audio amplifiers in the Rasla reflex circuit. These transformers will ate success-any audio also operate fully in an amplifier.

STOCK \$ No .92532 Ratio 10 to 1



STOCK No. 92534 Ratio 4 to 1

List Price \$5.00



STOCK No. 92560 One of the best fixed crystal detectors on the market. It is a little over 2 inches in length and ½ inch in diameter—requires very little space in the set and needs no attention once the set is operating properly.



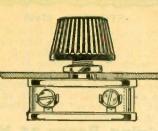
graphite disc adjustable grid leak A graphite disc adjustable grid leak that provides stepless, noiseless adjustment of grid leak resistance for all tubes. Range ¼ to 10 meg. in an unbroken range. Entire control is centered in one knob. A 0.00025 mf. fixed condenser can be furnished to fit Bradleyleak terminals. Provided with one hole mounting and extends only 1146 behind panel.

STOCK No. 91857

LIST PRICE \$1.85

133 Each

No. 91858 Condenser 26c



#### **Bradleystat**

The universal graphite disc rheostst for all tubes. Provides an unbroken, noiseless, stepless range of control for any tube without change of connections. Only one hole in panel is required for mounting. Bradleystat is secured in position on panel with one locknut

STOCK No. 91803

LIST PRICE. S \$1.85



A graphite disc potentiometer that is a distinct improvement over wire potentiometers. One knob provides a stepless, noiseless adjustment of potential. A one-hole mounting is provided. Non-inductive in operation. operation.

200 OHM | 400 OHM No. 91855 No. 91856

10 Each Each



#### Bradleyohm

An adjustable graphite disc resistor to provide a wide, stepless range of non-inductive resistance for numerous radio applications. Provided with one hole mounting and extends only <sup>11</sup>46-inch behind panel.

Stock No. Resistance 91947 10,000 ohms) 91948 25,000 ohms 91949 50,000 ohms

142 Each

#### Bradleyunit



A fixed resistor, calibrated accurately to meet the needs of radio set builders, and is especially suited for resistance-coupled amplifiers and similar circuits. Provided with terminal clips that can be quickly secured to radio devices or mounted upon panel. Metal parts are silver plated.

Stock No.	Resistance	List Price	Each
1955	12,000 Ohm	\$1.25	88c
1956	50,000 Ohm	\$1.25	88c
1957	100,000 Ohm	\$1.25	88c

#### Bradleyswitch



A compact, totally enclosed battery switch for A or B battery circuits, and batteries. STOCK No. 92571

L-hole mounting. Metal Parts are nickeled, and push button 10 lots, 42c black.

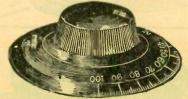
## his is a Freshman Year

#### NO PLATES TO SHORT

#### tercury Co

A new design in a variable condenser using Mercury instead of ordinary plates. Extremely selective, sensitive and sharp in tuning. Made of molded bakelite, extremely compact and very quiet in operation. It will withstand 5000 volts without leakage or danger of short circuiting. May be used in transmitting or reception. List price \$5.00.

Stock No.	Capacity	Equal to	Each
92600	.001	43 plates	\$2.95
92601	.0005	23 plates	\$2.95
92602	.0003	17 plates	\$2.95



#### Freshman Vernier Dial

A bakelite dial with a small rubber wheel which travels on the panel for fine adjustments. Saves the price and trouble of an extra Vernier attachment for the dial. Gives micrometer adjustments, and is just the thing for sharp tuning. Made of genuine bakelite.

Stock No. 92603 60C Stock No. 92604 3 in. Diam. 60C 4 inch. Diam. 90C 10 lots, 56c 10 lots, 85c

Lowest

In Price



All radio sets need an aerial of some kind. In places close to broadcasting stations, the Antenella Plug can be used. Simply plug it into the electric light socket and tune in near-by sta-

10 lots, 91c tions.

#### Double djustable **Crystal**

This crystal detector is a new design It mounts on the panel or on the base and is ideal for roflex sets. Cat whisker is fixed permanently and the adjustment of the crystal is made by moving the crystal holder. This arrangement is ideal for locating the sensitive spot on the crystal and saves fishing around as on other types of crystal and saves fishing around as on other types of crystal detectors. It can be mounted on the panel with just the knob showing. List price \$1.50.

10 lots, 90c



#### Freshman "Fixo"

This is a fixed grid leak combination containing a grid condenser, mounting for same, a fixed grid leak and a safety handle, all in one instrument. We carry them in stock with condensers of .00015, .00025 and .0005 MF capacity. Also with grid leak ranging from one-half megohm to ten megohm in every one-half size. When ordering, specify the capacity of the condenser you want and the resistance of the leak.

.00015 M.F. Stock No. 92607

.00025 M.F. Stock No. 92608

.0005 M.F. Stock No. 92609

10 lots 39c 10 lots 39c 10 lots 39c BE SURE TO SPECIFY SIZE OF GRID LEAK



These are tested Mica condensers that are equal to any on the market. Absolutely guaranteed to be up to capacity and used by a great many manufacturers of radio sets and standard equipment. Now fitted with soldering lug terminals are illustrated.

as illus	strated.		
No.	Capacity		
92610	.00005	)	
92611	.0001		Each
92612	.00015		
92613	.0002	}	10 lots,
92614	.00025		21c
92615	.0003		
92616	.00035	}	
92617	.0005		
92618	.0006	)	C Each
92619	.0008		Tatil
92620	.001	}	25 <sup>th</sup> lots, 24c
92621	.0015		24c
92622	.002		
92623	.0025	.30	
92624	.003	.36	
92625	.0035	.42	Mata
92626	.0035	.45	More
92627	.005	.45	Own
92628	.006	.45	Our
92629	.007	.60	Lane
92630	.008	.60	TOW
00001	.000	.00	Was and

.01.....



#### Freshman Variable Grid Leak Panel Mounting

A variable grid leak from a resistance of 0 to 5,000,000 ohms. T device is particularly desirable on critical circuits like the Reinhartz Flewelling. With or without built-in condenser.

Stock No. 65C

.00025 CONDENSER | .0005 CONDENSER | Without Condenser Stock No. 91805 | Stock No. 65C | Stock No. 91807 | 48C

10 lots, 60c | List \$1

10 lots, 60c List 75c 10 lots, 45c



#### Freshman Variable Grid Leak **Table Mounting**

The same as the table mount illustrated above, but designed to mount on the panel if frequent grid adjustments are necessary. Furnished with mounting screws.

.00025 CONDENSER

Stock No. 65C List \$1.00 10 lots 60c | List \$1

Stock No. 65C

10 lots, 60c List \$1.00 10 lots 45c

.0005 CONDENSER Without Condenser Stock No. 48c

Cash in on the Universal Demand for Better Radio



#### **Grewol Crystal Detector**

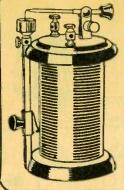


This is the biggest selling crystal detector ever put out. Has a permanently set cat whiskers. The Grewol is adjusted and tested before it leaves the factory. It is always set ready, and the user never need worry about finding or losing the sensitive spot. Ideal for reflex circuit, because it mounts on the panel and requires very little space.

A high-grade extremely popular instrument. List price \$1.50.

STOCK No. 91552 LOTS OF 10, 95c

## The Ritter Crystal Set



STOCK No. 92440

There is a popular demand for low priced crystal sets. The Ritter retails for only crystal sets. \$3.50, and it operates as efficiently as one costing much more. Tuning is done by moving the slider on the tuning coil. It has a wave length up to 600 meters and will pick up stations within a radius of about 25 miles. Don't expect to get greater distances on any crystal set.

Receiving Range 25 Miles



#### Pacent Crystal Detector



There is a big demand for Crystal There is a big demand for Crystal
Detectors on reflex sets, and also
for ordinary Crystal Sets. The Pacent
Crystal Detector can be used for either.
It has a ball and socket adjustment so
that the entire surface of the crystal is
available for contact. Mounted on a
black composition base with a dust-proof
glass inclosure for the crystal. List price
75 cents complete.
16ss the crystal STOCK No. 91553
itself, which is
priced separately
below.

GLASS ENCLOSED LOTS OF 10, 46c

#### The Deitrickson Single Tube Radio Set

Marvelous value in a one tube set that Marvelous value in a one tube set that really produces results. Stations come in clear and loud on the head phones. Can be used with any two stage amplifiers to work a loud speaker. This radio set comes in an attractive black leatherette cabinet. A big seller among boys and grown-ups who want to start with a small investment. Has a receiving range of over 500 miles under favorable conditions. Dealers, here is a set you can install for \$25.00 and make over 50% profit on each sale.

Sold "Complete" or "Bare"

We price this set two ways—bare without accessories and complete as illustrated. With the complete outfit at \$14.45 we furnish, 1 WD12 tube; 1 Red Seal Dry cell; 1 22½ "B" Battery; 1 pair Betterbilt head phones and a complete aerial outfit. Nothing extra to buy. Retails for \$25.00.

#### The "R. W." Crystal Detector



adapted for reflex sets. No adjust-



Use these binding posts on all 8Assorted to a Box sets and save engraving the panel. They are the right size and the engraving is white enamel absolutely permanent. Put up in a box containing 8 posts, as illustrated, as required on the average set.

STOCK No. 92572

PER BOX 10 Box Lots \$3.25

#### Screw Assortment



Here is a mighty handy box for Here is a mighty handy box for the average radio fan. It con-tains a full assortment of washers, soldering lugs of several types, round heads, polished nickel wood serews of several sizes and other fittings com-monly used by the fan. Every builder of a radio set needs a box of these fittings. The retail price is 50c a box.

Per 92573 Box

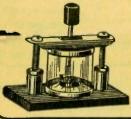
In Lots of 20 Boxes 30C a box



efficient selfadjusting crystal detector, especially ing necessary to find a sensitive spot -it is always ready

exceptionally

#### The "Challenge" Crystal Detector



An unusually low priced crystal detector furnished complete with a synthetic crystal. Has ball and socket adjustment with glass enclosure, giving protecfrom Stock No. 91554 dust and dirt
—mounted
on black
fibre base.

The industry of the control of the c

#### Galena Crystals

Good quality STOCK No. 91693 tested crystals -- mounted in lead - packed

#### **Pyrite Crystals**

for reflex— mounted in lead, packed 1 in a box.

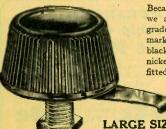
A special STOCK No. 91692 mineral detec-C

Doz.

## Switch Lever Bargains

C

Doz.



Because of our big buying power we are able to offer these high grade switch levers at such remarkably low prices. Polished black. Easily gripped knobs, heavy nickeled brass contact arm and well fitted shaft which features our switch levers. Made in two sizes for most requirements.

LARGE SIZE

STOCK 12c No. 91555 12<sub>Ea</sub>. DOZ. LOTS, 11c

SMALL SIZE STOCK 11c No. 91755 11Ea. DOZ. LOTS, 10c

**Polished NicklePost** STOCK No. 91738

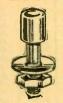
C Each Per 100. \$2.25



Composition Post STOCK No. 91564

C Each

Per 100, 2.25

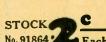


Polished Nickle Switch Points STOCK No. 91560

C Each Per 100, \$1.50

#### Pig-Tail Connector

In making connec-tions from the Variocoupler taps to the switch points use these tors—they screw right onto the switch point in place of the ordi-



No. 91864 Per 100, \$1.75

#### Copper Ground Clamps

heavy copper Stock No. 99247 clamp ground connections.
Will fit up to twoinch pipe.

Each Per 100,\$7.00

## RADION PANELS AND DIALS



**Convenient Packing** 

These nationally advertised Radion panels are now made in 20 different stock sizes, answering nearly every radio requirement. Put up in individual, attractively printed envelopes. livered to user in first class condition.

#### A Superior Panel

Radion panels are not ordinary rubber, but are specially treated so that they can be drilled or cut without chipping. Guaranteed not to warp and guaranteed to be a perfect insulator for radio use. We always have several thousand assorted panels in stock. Send us your panel orders.

BLA	СК		MAHOG.	ANITE
List Price	Net Price	Size in Inches	Net Price	
1.15 1.25 1.50 1.75 2.25 2.65 3.00 3.25 3.50 3.50 3.80	.8298	7x27x <sup>3</sup> / <sub>16</sub> 7x28x <sup>3</sup> / <sub>16</sub>	1.01 1.21 1.43 1.79 2.12	1.40 1.55 1.85 2.20 2.75 3.25 3.70 4.00 4.20 4.30 4.65
5.70 6.50 8.00 6.00	4.22 5.20	7x40x14	4.74 5.36 6.37 4.81	7.30 8.25 9.80 7.40

#### Two Attractive Colors

Radion panels come in two colors, polished black and the new mahoganite finish, which is an imitation mahogany color, beautifully grained.

#### pecial Odd Sizes

	BLA		MAHOG	
	Price Price	Net Price	Size in Inches Price	
	\$0.75	\$0.49	6x7x <sup>8</sup> / <sub>16</sub> \$0.59	\$0,90
9	1.15	.75	6x10½x²/6	1.40
	1.50	.98	6x14x <sup>1</sup> / <sub>16</sub> 1.21	1.85
	2.25	1.47	6x21x <sup>3</sup> /61.79	2.75
	3.55		8x26x <sup>3</sup> / <sub>16</sub>	4.35
	8.00 2.25		8x40x 14	2.75
	3.40		9x21x3/62.70	4.15
	2.15		10x12x3/61.70	2.60
	2.85		12x14x <sup>8</sup> / <sub>16</sub> 2.25	3.45
	4.25	2.77		5.20
	4.25	2.77	14x18x <sup>2</sup> / <sub>16</sub> 3.38	5.20
	8.50	5.53		10.35
)	11.50	7.50	20x24x148.97	13.80

## Low Prices

## Radion Dial

Radion dials are good looking, run true, and are splendid sellers. Put up in attractive orange and black boxes. With each dial is included a patent bushing to fit either ¼-inch or 3/16 inch shafts. Carried in stock in Mahoganite finish also, to match Mahoganite panels. Mahoganite dials are indeed beautiful, with engraving in 14 kt. gold.

Stock			10	Stock			10
No.	Diam.	Each	Lots	No.	Diam.	Each	Lots
91771	21/4 in.	33c	31c	91712	2 1/4 in.	39c	37c
91772	3 in.	35c	33c	91713	3 in.	41c	39c
91774	4 in.	41c	39c	91714	4 in.	47c	45c



### Radion Dial

A new design in the Radion line has a grip making it exceptionally easy to tune. F nished with patent push to fit their ¼ inch or 3/16 inch shaft—suplied either in Mahoganite or black

3 in Diam. STOCK No. 91775

Each LOTS OF 10, 41c List Price 65c

C

4 in. Diam. STOCK No. 91777

50c Each LOTS OF 10, 47c List Price 75c 3 in. Diam. STOCK No. 91776

O C Each LOTS OF 10, 47c List Price 75c

4 in. Diam. STOCK No. 91778 6C Each LOTS OF 10, 53c

CANT C GND

CAT

C 4+

C B+

C B+

#### Binding Post Panel

An extremely handy way of arranging binding posts in a radio set is to use these engraved panels. Simply mount plain binding posts on the engraved panel and then mount the panel inside the set

LOTS OF 10,19c

STOCK No. 92698 itself, so that all connections come out of the rear. Made of genuine Radion-heavily engraved with white enameled letters.

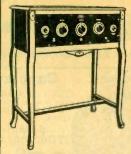


Combines a table, loud speaker and battery cabinet in one—be sides being a beautiful piece of furniture.



The Puri-tone is shipped "knock-down"—can be assembled in a few moments without any tools of the rithan a screw driver. Supplied with Atlas loud speak-ing unit. Dark brown mahogany

### Mahogany



Beautifully finished in dark brown mahogany, this Console Cabinet will fit many standard multi-tube sets, including the Freed-Eisemann NR5 and KD 50. Stands 38 inches high and fits panels 7 inches wide and from 26½-inches to 28 inches long. The interior of the cabinet is 17 inches deep. 28 inches wide and II inches high—room enough to accommodate the radio set "B" batteries and storage battery. Beautifully finished

teries and storage battery.

In fact this cabinet can contain everything but the loud speaker. The one-piece top has a long piano hinge with catch fitting. Here is a job, Mr. Dealer, that should be a business builder. Our price of \$21.50 is amazing considering the quality of this console. Better order one quick

List Price, \$35.00

List Price, \$35.00

WE SELL WHOLESALE ONLY TO DEALERS AT THESE LOW PRICES

## Fine Radio Cabinet



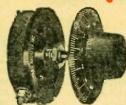
While our radio cabinets are remarkably low in price, they are made of a good quality of wood, attractively and durably finished in dark brown mahogany. The hinges are smooth acting and are the proper dimensions. We carry in stock four sizes as listed below, which answers the average requirements of the radio set builders. Our radio cabinets are carefully wrapped so that they arrive with unmarred finishes.

#### Lowest Prices for Good **Cabinets**

Stock	No.	Panel Size	Depth	Price Each
92721		7"x9"	7"	\$2.55
92722		7"x12"	7"	2.74
92723		7"x14"	7"	2.83
92724		7"x18"	7"	3.07
92725		7"x21"	7"	3.30
92726		7"x24"	7"	3.67
92727		7"x27"	9"	4.35
92727 1	Fits Freed	-Eisemann Kl	50 Neutrod	vne
92729	200	7 "x30 "	9"	4.65

# **Products**

#### Rheostats with Dial Control



Howard products are widely known because of their superior qualities. One of the pioneer radio rheostats, and with new improvements, one of the best. Howard rhoostats are now furnished with a 100 point marking 2½ in. dial. They are made in a number of different types—micrometer, midget and potentiometer—all with dial and knobs that match, giving a harmonious appearance to every radio panel using Howard rheostats. A big new feature is the single hole mounting, saving much drilling of the panel. Our prices on the Howard line are particularly attractive. of the panel. attractive.

6½ Ohm STOCK LOTS OF 10, 71c

25 Ohm STOCK 76°C 92334 LOTS OF 10 71c

40 Ohm STOCK C STOCK 92335 LOTS OF 10 71c

60 Ohm NO. 92476 LOTS OF 10, 71c

#### Micrometer



Vernier

Control

Stock No · 92336

03

10 lots 97c

The Vernier action is positive and gives delicate filament control, requiring no separate knob but automatically operating by the main contact arm. Exactly the same as the plain Howard Rheostat illustrated above, with the added Vernier adjustment feature.

DIAL INCLUDED 40 Ohm

61/2 Ohm 25 Ohm Stock No. 92391

03 each 10 Lots 97c

Stock No. 92392 03 10 Lots 97c

Similar to the large rheostat in design and workmanship. The base is  $1\frac{1}{2}$  in diameter. Suitable for portable sets. Not furnished in Vernier or dial.

 Stock No.
 Resistance
 Each

 92473
 6½ Ohms
 76c

 92474
 25 Ohms
 76c

 92475
 40 Ohms
 76c

**Howard Potentiometer** Exactly the same in appearance as Howard rheostat, with the regular Howard dial. Has smooth action and made with the usual Howard precision. Furnished in the following two sizes only.

200 Ohms

400 Ohms

03 Each \$ Stock No.

92338

37 Each Stock No

## Famous Eby Binding Posts



"Ensign" Engraved Unquestionably the Eby engraved binding posts, illustrated here, are the best that can be put on a radio set. It is exceptionally good looking, has nonremovable top and is deeply engraved with white enamel figures as follows: Ant., Phone, Gnd., A+Bat., A-Bat., B+Bat., B-Bat., 22½ V.+; 45V.+; 90 V.+. Please specify type desired when ordering.

Ea.

**PER 100** ASSTD. \$13.00

### Plain"Commanders" and Ensign Posts



These posts have composition polished black, non-removable tops with clean-cut smooth running threads. The post is exceptionally good - looking, and can be supplied in two policy. and can be sup-plied in two sizes as illus-trated. E b y composition top posts are big sellers, and our 92837

Per 100 \$13.00 prices are very low. List Price 20c

92838

Per 100 \$16.00

List Price 25c Commander



### Eby Metal Posts

Many amateurs want metal binding posts, and these Eby ones are highly preferred over Stock No. any others. Supplied in polished 92836

nickel with nonremovable caps. Per 100 \$7.00 because caps because rops inch stem. A big advantage

Per 100 \$13.00



With Non-Removable

## Nationally Advertised Carter Products

## Carter Hold-Tite Jacks

Carterjacks are preferred by most amateurs. They have a heavy, wide tapered frame with genuine 1/16 in bakelite insulation. Carterjacks have a special method of mounting so that they are equally satisfactory on thin or thick panels. The springs are genuine phosphor bronze and contacts are of pure silver, assuring clean contacts. All terminals are tinned for quick soldering. The following types are carried in stock at remarkably low wholesale prices. at remarkably low wholesale prices.



Open Circuit

One Spring STOCK NO.



Double Circuit

Four Spring STOCK No. 92454



Two Spring

STOCK No.

92451

92450

Closed Circuit

Single Filament



Double Filament Control

Five Spring Each STOCK No. 92455



Control Three Spring Each STOCK No. 92453



Universal Neutrodyne

Seven Spring STOCK No. 92456

## Carter "Tu-Way" and "One-Way" Plugs

Each

Lots of 10 \$1.30



Takes Two Pair Phones

Carter Plugs come in two styles; the Tu-way, which retails for \$1.00; and the One-Way, which retails at 50c. The Tu-way takes two pair of phones and the One-way, one.

Tu-Way Plug
STOCK No. 92457
Lots of 10 65c

Carter Plugs come in two styles; the Tu-way, which retails at 50c. The Tu-way takes two pair of phones and the One-Way Plug STOCK No. 92459
Lots of 10 32c

**Carter Vernier Control Rheostat** This is a novel design in a vernier rheostat. It has a spiral coil resistance wire with a heavy phosphor bronze contact arm. The rheostat mounts on a panel by drilling only one hole. Supplied in three different resistances as shown.

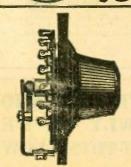
6 Ohms STOCK No. 92460 C

Each

15

20 Ohms 30 Ohms STOCK No. 92461 STOCK No. 92462

15



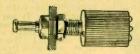
#### Carter Tapped Inductance Switch

The Carter Inductance switch is a self-contained method of using the various taps on a variocoupler, or method of using the various taps on a varioccupier, or any fixed inductance and an adjustable stop pin is provided so that any number of contacts from one to STOCK No. 92458 fifteen may be used. No holes to drill on the panel except the single mounting hole. The 15 contacts are mounted on a bake.

contacts are mounted on a bakelite disc with soldering lugs for making easy connections; a complete unit convenient to use.

## gh Grade Pan

#### **Push Pull Switch**



A neat and easily mounted panel-switch control for the filament of the tubesvery simple to install-just one hole in

LOTS of 10, 30c

STOCK No. 92163 the panel necessary. Will fit any thickness of panel and the outside lever and nut are finished in highly polished nickel.

#### Push Pull Flange Switch

Every radio set

should have a switch

to control the filament of

the tubes. Quite often the operator of the set

does not want to lose a

certain station, and by

throwing the switch it is

not necessary to touch the rheostat. This switch

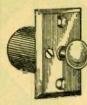
is furnished with a small

black finished plate which

screws to the panel. It

has a push and pull ac-

tion to turn on or off.



STOCK No. 92164

10 LOTS, 22c

#### Toggle Flange Switch



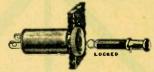
A popular type of panel switch for radio sets because of the easy action of the Toggle lever furnished with black plate that screws to the panel. Every radio set should have a switch on the panel for convenience in putting the set into

operation.

STOCK No. 92165 switch is small taking little room inside of panel.

10 LOTS, 18c

## Locking Switch



This switch is handy where a radio set must be protected. The key or plunger can be removed, absolutely lockin the set, as the filament of the tube cannot be lighted without the key. Fits any size panel, and all parts are highly polished mickel. List price, 50c.

10 LOTS, 33c

### **Porcelain Battery Switches**



For controlling the supply of current from the "A" battery or "B" battery, these porcelain battery switches are ideal. They come in several different types so that many combinations of control can be obtained. All parts are of heavy copper with composition handle and heavy porcelain base.

N	o. 9929			
		Type	Each	10 Lots
No.	9926	Single Pole, Single Throw	.\$0.15	\$0.14
No.	9927	Single Pole, Double Throw	. 24	.22
		Double Pole, Single Throw	26	.24
		Double Pole, Double Throw	38	35

# Sterling

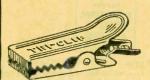
#### "Sterling" Voltmeter

For Testing Storage Batteries

An accurate and depend- STOCK No. 30181 able instrument to measable instrument to measure voltages of storage batteries from 0 to 50 volts. Every detail of construction is extremely rugged to withstand hard usage. There is a constant demand for this instrument, which is a real bargain at our low wholesale price.

Each In Lots of 6, \$1.64 Ea.

## pring Battery



Small Size Clip

This clip has jaws on three sides, which permits it to grip a wire or binding post from any angle and set in STOCK No. 91865 place. Connecting wire may be fixed without soldering if Doz. Lots, 4c, desired. Furnished in polished Per 100, \$3.75

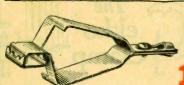


#### nickel. Medium Size Clip

A large size handy clip for connecting to storage batteries, particularly suited for storage batteries STOCK No. 91863

because it is read co.

Has heavy coil spring, Doz. Has heavy coil Lots, llc, giving firm contact. Per 100



#### Large Size Clip

An extra heavy battery clip with jaws that will grip firmly nearly any size binding posts. Furnished in polished nickel. This clip is made without a separate spring, but so designed that the arms for libe action.

Doz. Lots, 17e, Per 100,

## "Sterling"



FOR TESTING DRY CELLS ONLY

Testing Storage Batteries

## AMMETER

This ammeter is designed for the purpose of testing dry cells and gives ampere readings from 0 to 35. Pocket style, only 2 in. in diameter. A neat, style, only 2 in. in diameter. A neat, compact instrument, expertly calibrated for accuracy, inspected and tested. The working parts are carefully made and as

a re carefully made and as-sembled. A fast selling item at an exception-ally low wholesale

Each

In Lots of 6, 57c Ea.

## **Hoyt Voltmeter**

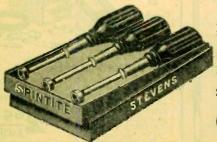
The "B" Battery Tester

A handy calibrated pocket volt meter, made to test "B" batteries from 221/2 to 45 volts. An exceptionally good looking and high grade instrument. Each meter is STOCK No. 92410 separately calibrated so that the most accurate readings are

10 LOTS, \$1.68

obtained. Finished in beauti-EACH ful polished nickel, packed one to a box. List price \$2.50.

#### Wrenches



An indispensible tool for the Spintite radio builder. wrenches come three assorted sizes to a box. These wrenches have a hexagonal socket for tightening up all hexagon nuts

STOCK No. 92574 ordinarily used on a radio set. List price \$1.00 per set.

LOTS of 10 SETS, 65c

#### Peep-Hole Panel Meters

Designed for mounting on a panel. Improves the appearance of a panel and gives accurate readings of the batteries and the current flow. Volt meters register 0 to 10 volts for A and B batteries. The Ammeter registers 0 to 1.2 ampere.

STOCK NO. 92411 VOLTMETER

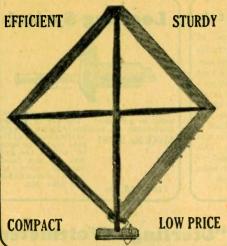
List Price, \$3.001

STOCK NO. 92412 AMMETER

EACH List Price, \$3.00

## dio Sets and

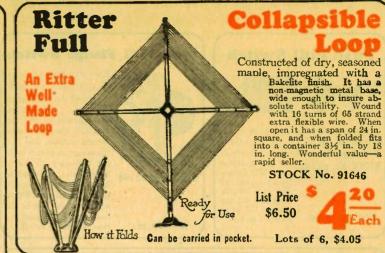
#### FOLDING LO



Sturdy construction, compactness when folded and fine workmanship will be found in this loop. In no place does the wire come in contact with wood. Wire brackets and binding post strip are of bakelite. Wire is stranded copper with dark green silk insulation. Square brass tube is nickel plated and polished. Wood is red mahogany finish, highly polished. One hundred

Stock No. 91639 List Price \$8.50

feet of wire in loop. Made with three taps.



### Real Bargains in Aerial Wire



Put up in handy, quick-selling coils containing a full 100 ft. You can buy no better aerial wire at any price.

Our aerial wire is pure, hard drawn copper, made up of 7 strands of No. 22 gauge twisted. Although our price is low this wire is of the highest grade.

STRANDED WIRE STOCK No. 39°C Coil

FULL 100 FT. IN A COIL

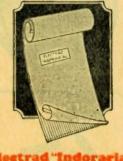
SOLID WIRE

STOCK No. 29°C Per Coil

FULL 100 FT. IN A COIL

## Ritter Knocked Down Loop Stock No. 91545 68<sup>c</sup>Each Lots of 10, 64c List Price 1.00

Loop aerials are very popular on radio frequency sets, this one is furnished requency sets, this one is furnished knocked down complete with wire, binding posts, and base. When set up, glued, and painted or varnished this loop cannot be told from a \$5 value. Assembled in ten minutes, sold with directions for use. A very satisfactory article for the low price quoted. Retails for \$1.00.



#### Electrad "Indorarial"

Ideal for sharp tuning. Wonderful directional effects. Particularly effective where several local stations are broadcasting at once. Can be used also as ground. By using Indorarials for antenna and ground you can get any coupling you desire. Hang on wall, door, or lay under rug. List price \$1.50.

STOCK No. 91871

Each

Lots of 10, 93c Each. List price \$1.50

## **Spring Aerial**

handy because it

s so quickly put up.

Made of heavy, coiled

brass wire with a good stretch. When in-

stalled it can be used on a span of anywhere from 25 ft. to 100 ft.

This type of aerial also is particularly suitable fo use in the garret where an outside aerial is impracti-

cable.



STOCK No. 91599

Lots of 10, 70c

### An aerial of this type is extremely

erial

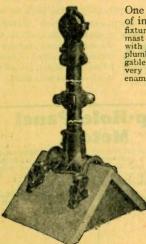
RIRBON AERIAL

Many people prefer the ribbon type of aerial. Made of heavy 22 gauge copper, provided with snap connections on each end. There is a big sale for ribbon aerial and our prices are right.

Size Coils 50 ft. 75 ft. 100 ft. No. 92765

\$0.97 1.40 1.95

#### Mast for All



One of the most convenient and practical methods of installing outdoor aerial is to use our aerial mast fixture. Furnished either complete or in 3 separate units—the mast seat, the guy wire collar, or the pulley cap. Must be used with 1 in. black pipe which can be secured from your local plumber or electrician. The mast seat will fit either flat or gable roofs. The pully cap provides space for guy wires and is very handy in tightening up the aerial. Finished in black enamel at the following low prices:

> **COMPLETE AS SHOWN** LESS PIPE Stock No. 92545

Fach List Price 3.75

MAKES AN IDEAL AERIAL **SUPPORT** 

PULLEY CAP Only 5c EACH

Stock No. 92547

GUY WIRE Collar Only

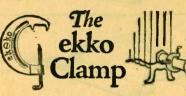
35c Stock No. 92548

MAST SEAT Only \$1.15 EACH Stock No. 92549

"Ekko" Ground Clamp fastens in a jiffy and provides an unusually good ground connection for a radio set. Will fit up to 1½ in. pipe

STOCK No. 92599 List Price, 25c

LOTS OF 10, 16c





STOCK No. 91872 Lots of 10, 26c each



#### **Boxed Aerial Set**

Here is a complete aerial outfit. Everything that is needed to install a perfect aerial, including leading wire, aerial wire insulators, ground clamp, lead-in and lightning arrester. Put up in a box. Retails for \$3.50.

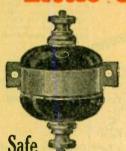
List Price \$3.50

List Price \$3.50

## **Hour Service-Like a Warehouse of Your Own!**

## Lightning Arresters Are Big Sellers

### ttle Joe" Arrester



This low priced and efficient designed lightning arrester is complete pro-tection from lightning striking an aerial. The "Little Joe" is fully ap-proved by the underwriters. It is nearly indestructable and has nothing

LOTS OF 10, 75c List Price \$1.50

STOCK No. 91656 to get out of order.
We strongly recommend the "Little Joe" Lightning Arrester because it does the business and is priced very reasonably.

## Muter Lightning Arrester

A Fine

Seller

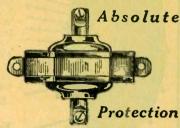
List Price

Lots of 10

Each

An extremely low price but still efficient lightning arrester is the Muter. It is fully approved by the Underwriters, under report No. 574, dated May 10, 1923. It is suitable for indoor and outdoor use, and has proven to be very rapid seller. There is a good profit, as the list price is 50c

### Keystone Arrester



Fully approved arrester of the air-gap type. Binding posts are moulded 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. List price \$1.50.

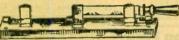
Sell Them for Safety and Profit

STOCK No. 91673

Each of 1

List Price \$1.50

#### Knife Blade Ground Switch



Many people want the fullest protection for their aerials, using this

STOCK No. 91578 double throw knife switch. Our switches

Each

have heavy copper terminals mounted on a special heat resisting base. A large wood handle gives a sure grip and solder lugs are provided for easy connecting.

Length 12 inches

#### Prices Lowest On Radio Insulators

#### Composition Insulator STOCK No. 91576



Per 100 \$5.25

This small composition insulator is the one generally used on aerials. Substantially made with large screw eyes.

A larger size porcelain insulator for heavy aerial wire. Will not break easily; has corrugations to prevent short circuits from rain. Finished in brown glazed, absolutely non-porous.

## Electrahot Radio So



STOCK No. 91876

EACH

LOTS OF 10, \$1.30

Radio soldering is difficult unless a well designed soldering iron is used The Electrahot has two separate tips, either of which can be used, depend-

two separate tips, either of which can be used, depending on the nature of the work. One tip is for very fine work, and the other is for heavier work. The Electrahot is exceptionally light in weight, so that it is suitable for delieate soldering. The heating elements are genuine nichrome wire, and the iron will operate on either A. C. or D. C., but only on 110 volts. The Electrahot iron is furnished with six feet of cord and a two-piece attachment plug. It requires no more current than an ordinary lamp. The retail price of this wonderful iron is only \$2.00, and dealers everywhere are selling them in large quantities. Our unusually low wholesale price gives you a big profit.

24 for Solder and Paste See Page

#### Small Porcelain Insulators

Large Porcelain Insulator



STOCK No. 91625

A dandy porcelain in-sulator suitable for most aerial installation. Corrugations prevent short circuits from water. 2½ in. long. Each

Per 100 \$2.75

Per 100 \$6.50

## Radio Electric Soldering



#### Betterbilt 110-Volt Iron

These dandy solder irons retail at \$1.50 and are extremely useful for light soldering, as on a radio set. It is STOCK No. 91877

not to be used for heavy work or continuous soldering for days at a time. Operates only on a 110-volt currentsupplied with long cord and

110-Velt Only List Price \$1.50

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#### B-D Electric Solder Iron

A low price electric soldering iron for use on 110-volt A. C. or D. C. current. Furnished complete with cord and plug, small piece of solder and small can of soldering paste. STOCK No. 91875

Just the thing for home use, where occasional soldering is necessary. Very good for radio work. List price, \$2.00.

110-Voit Only List Price \$2.00

#### Rubber Battery Tray

non-porous



Something every owner of a radio storage battery needs. Made of of t black rubber, outside

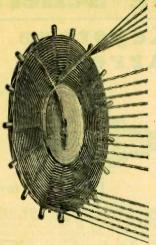
STOCK No. 92434 Lots o. 10, 4°c List Price 75c



Automatic Alcohol Torch This blow torch uses alcohol for fuel and projects a

fine, sharp, high heat flame. Excellent for radio soldering as well as any other kind of bench work. No pumping and blowing necessary. Has non-leakable caps and is built of brass, highly nickel polished. Excellent value and a good seller. List

List Price \$1.50



#### leinhartz COILS

This inductance coil is very popular nowa-days, because of the success of the Reinhartz circuit.

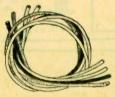
Wound on wooden frame with green silk covered magnet wire with 21 taps. Packed in individual cartons with instructions for

STOCK No. 91860

On Wood Frame

LOTS of 10, 90c

### Cambric



STOCK No. 91657

Lengths of 30".

Choice of fellow, Red, Green or Black.

Specify Color.

LOTS of 10

In wiring radio sets with bus bar wire, it is best to protect the wire by using the genuine Cambric Spagetti. Our stock is a high grade Cambric tubing-can be supplied in yellow, green and black colors as ordered. This tubing easily slips over a No. 14 wire. Furnished in lengths of 30 ins. A high grade product at a remarkably low

This is the ideal wire to use for STOCK No. 91645 wiring a radio set. It is square copper wire, No. 14 gauge, heavily tinned so that it solders easily. We use a special soft drawn wire so that it can easily be bent into intricate shapes. In 2ft. lengths.

Per 100 Lengths

Per Length 2c, 2 ft. to a Length

#### Calumet Soldering Paste



Net Weight, 2 Oz.

For Electrical and Repair Work

Non-corrosive, fumeless and non-poisonous soldering flux for brass, steel, copper, etc. Easy to use-makes perfect joint. Fine for electrical work and repair work. Never known to fail. Every motorist needs soldering paste. STOCK No. 53441

\$1.12 Per Dozen

Retails for 30

#### SOLDERALL

This is a specialty that sells like hot cakes. It is a combination of flux and solder in a handy tube; extremely useful for the man who has occasional soldering to do-as a match or candle is sufficient to melt it.



Stock No. 90955

One Dozen on Counter Display Card

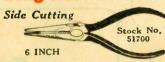
## Handy Tools For Accurate Radio Work

#### HAND DRILL

3-Jaw Chuck Type

Here's an excellent Hand Drill at an amazing price. Capacity is 0 to 14°. Three-jaw type chuck, made of steel. Heavily nickeled steel frame, highly polished. Cast iron large gear with full-cut teeth, red enameled; one gear pinion, made of steel. Handle is hollow with screw cap of native Handle is hollow with screw cap of native hard wood, stained and polished, and containing eight fluted wood boring drills: 1/16" to 17/64" diameter; 1%" long. All exposed steel parts are nickel plated. Length 12½". Comes neatly packed one in a box STOCK No. 53501

\$1.85 Each



A tool that every motorist and mechanic wants. Just the thing for getting into corners that can't be reached with any other pliers. Made of fine drop forged steel, spring tempered, in blue steel finish. Scored jaws and milled handles. Sturdy substantial cutter, built to cut. Well made and finished in every way Our rock bottom price only 69c.

Retails at \$1.75 Dozen lots, 66c each

## "Perfect Handle" Screw Drivers "Perfect Handle" screw drivers sell on sight and you make 50% profit on every sale. Best assortment we can offer.

Drop-Forged Steel Full Length

Shaft—Tip to Tip Drop forged steel blades and shanks that extend full length, with special hardwood grips SIZES BELOW SHOW LENGTH OF BLADE

Stock No. 51498 2 Inch

Stock No. 51500 6 Inch

Each

Each Doz. Lots 52c Each Dox. Lots 20c Each

Stock No. 51499 4 Inch

Stock No. 51502 10 Inch

Stock No. 51501 8 Inch

Doz. Lots 43c Each Stock No. 51503 12 Inch

Each

Doz. Lots 31c Each Doz. Lots 24c Each Doz. Lots 64c Each

Fine for radio work; 5 inches long — heavily nickel plated. Used for getting into tight places.





Stock No. 51650 11/2 Inch Jaws

Stock No. 51651 2 Inch Jaws

#### KESTER ACID and RESIN CORE SOLDER

The ideal solder to use for radio witing.

filled with a core of resin or acid so that no supplementary to the radio.

The radio for quick soldering job. The radio The ideal solder to use for radio wiring. The solder is tary flux is needed for quick soldering job. The radio demand is for a solder of this kind. It is put up in one pound spools for the consumer and five pound spools for the repair shop. Does better work—neater and cleaner and costs no more.

Resin Core Solder

Stock No. 91044

1 lb. Spools

Stock No. 91045

Acid Core Solder

Stock No. 91031 1 lb. Spools

5 lb. Spools

### rices On



Lots of "dyed-in-thewool" radio fans insist on winding their own coils and for that reason every dealer should stock magnet wire. The magnet wire we sell is of the best quality, furnished on

spools, either weighing 1/4 lb. or 1/2 lb. Our prices are remarkably low and we always carry a large stock for quick

Size				No.	
18				92364	
20				92365	
22				92366	
24				92367	
26	92354	92361		92368	
28		92362		92369	
30		92363		92370	
	0 1	 1 31	. D :	oer Spool	

	On ¼-Lb. Spools—Net Prices per Spool							
Size	No.	Price	No.		Price	No.		Price
18	92371	\$0.16	92378.		\$0.16	92385		\$0.19
20	92372	17	92379.		.19	92386		.20
22	92373	19	92380.		.20	92387		.22
24	92374	20	92381.			92388		
26	92375	22	92382.		.25	92389		.31
28	92376	23	92383.		.30	92390		.35
30	92377	24	92384.		.34	92391		.47
200					1000	MALL STREET	1000	



THING THE RETTER TIRE WORL REGION AVE & ISTR ST. CHICAGO ILL.

