

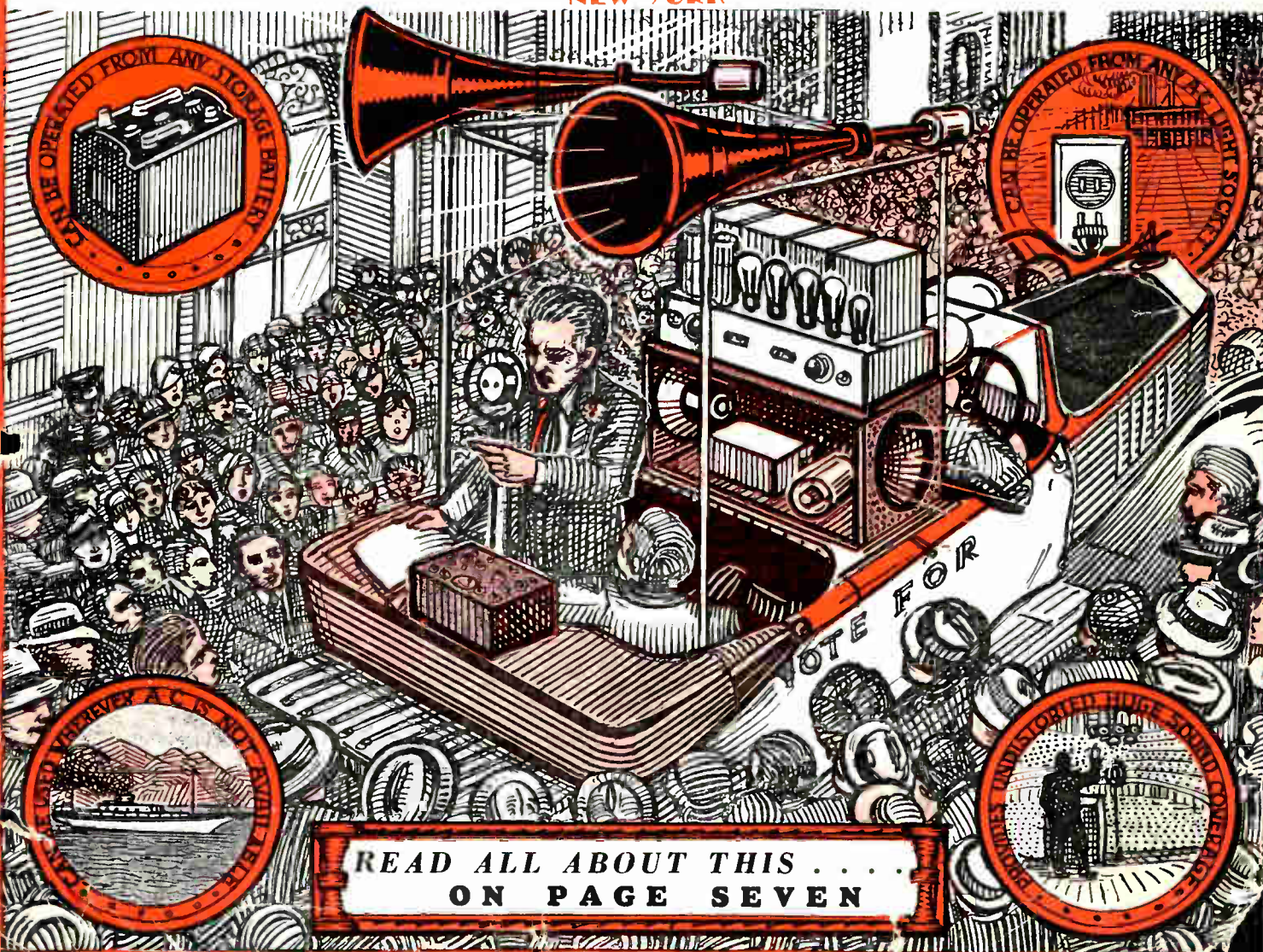
FALL 1932 EDITION of the "COAST to COAST"

BROADCAST

PUBLISHED EXCLUSIVELY BY

COAST TO COAST RADIO CORPORATION

121-123-125 WEST 17TH ST.
NEW YORK



READ ALL ABOUT THIS . . .
ON PAGE SEVEN

IT WILL PAY YOU TO CONFINE YOUR RADIO PURCHASES "TO THE HOUSE OF COAST-TO-COAST"


The Bona Fide Report Below Is Self-Explanatory . . . It
Should Impress You To Join the Rapidly Growing Ranks of
FULLY SATISFIED "COAST-TO-COAST" Purchasers
Located Throughout The World!

When Will a Customer Re-Order?

It is a fact that often in life the most obvious solutions to any problem, (or those that could be quickly solved by the application of simple logic), are within immediate reach, yet too many unhappily fail to realize this . . . the enviable **SUCCESS** enjoyed by "The House of Coast-To-Coast" is solely attributed to the strict adherence of every precept that comprises The Golden Rule . . . it is no wonder then that our customers have shown their appreciation of our **SQUARE DEAL POLICIES** by collectively causing "The House of Coast-To-Coast" to expand to such an extent that our very name is today a by-word to the Radio minded throughout the civilized world! Logically, a customer will **RE-ORDER** if the merchandise received is as described, if the shipment arrives in rapid time, if the prices quoted are commensurate with value received and in line with competition, and if the Sales Policies offer complete protection to the customer! **THE HOUSE OF COAST-TO-COAST LIVES UP TO EVERY CLAIM MADE IN OUR CATALOGS . . .** And that is the plain and simple reason for **OUR ENVIABLE SUCCESS, and WHY OUR CUSTOMERS RE-ORDER FROM US!** We can rightfully and proudly boast that **THIRTY and WISE Radio Purchasers from Coast-To-Coast Flock to "COAST-TO-COAST!"**

CARD ADDRESS CATALOG

WATCHES 9-7001-7002-1353



**121-123-125 WEST 17th ST.
NEW YORK**

July 1, 1932

FROM: Comptroller's Office
TO: President's Office

SUBJECT: RATIO OF CUSTOMER RE-ORDERS
TO TOTAL AMOUNT OF SALES.

In compliance with the request made by our Board of Directors, this department herewith offers the information desired, covering the second quarter, April-May-June, 1932.

APRIL: Re-orders comprised 53.5% of total volume sales.
MAY : Re-orders comprised 52.8% " " " " " "
JUNE : Re-orders comprised 67.8% " " " " " "

It will therefore be noted that the average ratio, of RE-ORDERS TO TOTAL SALES, for the second quarter was 58.03%.
This figure exceeds all previous quarterly reports.

COMPTROLLER'S DEPT.
Per *S.M. Heiden*

Thrifty And Wise Radio Purchasers From Coast-To-Coast Flock To Coast-To-Coast!

This Catalog Is a Veritable "Encyclopedia" of the Modern Radio Industry

We have endeavored to compile this catalog in such a manner as to influence you to consider it as your official buying guide . . . its listings are indeed varied . . . from a lug to a 100 Watt Public Address Amplifier! Every article is thoroughly and accurately described, as well as truthfully illustrated. It cannot be said of a "COAST-TO-COAST" catalog that it is a stereotyped copy of any other . . . thousands of successful Radio Dealers and Service men keenly appreciate their ownership of our truly valuable catalogs, for the authentic and technically correct information therein contained **SHOWS THEM ALL THAT IS NEW and MODERN IN RADIO**, thereby keeping them fully posted on readily saleable equipment! You can refer to a "COAST-TO-COAST" Radio Mail Order Catalog with that same feeling of security as you do when you refer to your telephone book! You can depend on every statement printed herein—we will back up every word! The House of "COAST-TO-COAST" is at all times mindful of keeping every customer **FULLY SATISFIED . . .** for we wisely realize that the **MOUTH TO MOUTH ADVERTISING** and the **GOODWILL OF OUR CUSTOMERS IS OUR STRONGEST and MOST VALUABLE ASSET!**

Our Sales Policies: First Quality Merchandise, Rapid Service, and Low Prices Have Satisfied Firms and Institutions of International Renown!

Purchasing Agents of huge business, educational and government institutions are fully posted on sources of supply . . . only after careful

investigation, will they place orders. We therefore feel justifiably proud of the honor bestowed on The House of COAST-TO-COAST in

enjoying the valued patronage of these few internationally renowned firms and institutions, selected at random from our huge order files:

- | | | | |
|---|---|---|---|
| Standard Oil Co.
New York City | National Theatre Supply Co.
New York | Bureau of Standards
Dept. of Commerce
Washington, D. C. | Texas & La. Power Co.
Ft. Worth, Texas |
| Westinghouse Elec. & Mfg. Co.
E. Pittsburgh, Pa. | Battle Creek Public Schools
Battle Creek, Mich. | Atlantic Coast Line R.R. Co.
Wilmington, N. C. | Mass. Institute of Technology
Boston, Mass. |
| Sears, Roebuck & Co.
Chicago, Ill. | Utah State Agricultural College
Logan, Utah | U. S. Dept. of Agriculture
Washington, D. C. | Lincoln High School
Canton, Ohio |
| Sing Sing Prison
Ossining, N. Y. | Westhampton Beach High School
Westhampton Beach, N. Y. | Board of Education
Jamestown, N. Y. | Kansas State Agricultural College,
Manhattan, Kansas |
| University of Michigan
Ann Arbor, Mich. | Loomis Radio College
Washington, D. C. | Morgan Park High School
Duluth, Minn. | Troy High School
Troy, N. Y. |
| Gimbel Bros.
New York | Larkin Co. Inc.
Buffalo, N. Y. | State of Kansas
Topeka, Kansas | Firestone Tire & Rubber Supply Co.
Akron, Ohio |
| Wurlitzer
Cincinnati, Ohio | General Elec. Co.
Schenectady, N. Y. | State University of Iowa
Iowa City, Iowa | Purdue University
Lafayette, Ind. |
| General Motors Corp.
Detroit, Mich. | West Coast Power Co.
So. Bend, Washington | City of Richmond,
Richmond, Va. | R.C.A. Communications
San Francisco, Calif. |
| University of Pittsburgh
Pittsburgh, Pa. | West Texas Elec. Co.
Vernon, Texas | John Hopkins University
Baltimore, Md. | Supply Officer
Naval Research |
| University of Colorado
Boulder, Colo. | Stone & Webster Eng. Corp.
Boston, Mass. | Woodlawn High School,
Birmingham, Ala. | Bellevue, Anacostia, D. C. |
| Hygrade Sylvania Corp.
Emporium, Pa. | Jamaica Pub. Serv. Co.
Kingston, Jamaica, B.W.I. | Phillips University,
Enid, Okla. | University of State of Dakota
Vermillion, S. D. |
| | | | Consolidated Gas & Elec.
Baltimore, Md. |

Our Merchandise, Low Prices, Service, Sales Policies and Guarantee Must Certainly Be Satisfactory to Warrant Such Valuable Patronage! Permit Us to Serve You!

A Few Words of Introduction to Any of the Radio Profession Who Have Not As Yet Favored THE HOUSE OF COAST-TO-COAST With Their Good-will:

Our message to you is herewith expressed in these few words: The House of Coast-To-Coast transacts a huge volume of business throughout the world. Our integrity and responsibility is firmly entrenched, and every customer of this organization constitutes the most effective advertising

medium we could obtain . . . in fact, the unprecedented growth of The House of COAST-TO-COAST has been accomplished solely through the pleased recommendations of its thousands of patrons. . . . May we have the pleasure of enjoying your valued exclusive patronage . . .

in return, we will give you *quickest possible service, highest quality merchandise, lowest prices, every possible reasonable protective guarantee AND A SQUARE DEAL!* BUY FROM THE HOUSE OF "COAST-TO-COAST" WITH UNRESERVED CONFIDENCE!

Our Metropolitan Sales Rooms and Public Address Amplifier Demonstration Laboratories Are the Mecca of Thousands of "Local" Radio Purchasers Who Wisely Consider The HOUSE OF "COAST-TO-COAST" As Their OFFICIAL HEADQUARTERS.

A cordial welcome awaits the trade visiting our recently considerably enlarged and modernized Sales Rooms located at this address, 121-123-125 West 17th Street. We have made arrangements TO PARK YOUR CAR ADJACENT TO OUR BUILDING FREE OF CHARGE . . . it is a pleasant drive to our premises . . . daily our salesrooms and laboratories are filled with custom-

ers who drive in from many of New York's neighboring states! Our Sales staff and Radio Engineers are eager to be of service to you—A friendly spirit prevails—we do not permit or tolerate "high pressure" sales tactics. Thousands of Radio purchasers have learned to *save big money* visiting our Sales Rooms and receive unbiased and valuable Technical Information. We have

ample stocks on hand and sufficient sales personnel to serve you quickly and courteously—we do not waste your time. We will cheerfully demonstrate any of our public address amplifiers, receivers, speakers, microphones, etc. In short, we wish to be of service to you—we therefore await the courtesy of your presence!

Our Telephone Numbers Are: Watkins 9-7861, 7862, 7863. Cable Address: "COTCORAD"

OUR TERMS: HOW TO ORDER THE 2% CASH DISCOUNT ALLOWED WILL CONSIDERABLY REDUCE TRANSPORTATION COSTS!

We Accept U. S. Postage Stamps in Any Denomination And For Any Amount, As Full Payment of Goods Ordered

Our only terms, to all individuals and business houses, are: *Full Net Cash Remittance With Order, or C. O. D. To extend credit, would so greatly increase our cost of doing business, that higher net prices, than those quoted herein, would of necessity have to be imposed! We save this additional "book-keeping" expense, and accordingly pass it right on to you!* Our method of doing business must be universally approved for some of our best customers are very highly rated concerns.

Send remittances by *Money Order—Personal, Corporation or Cashier's Check—Cash (Registered Mail, please)*. Remittances from foreign countries should be made payable on a New York bank, in U. S. funds. All net prices in this catalog are subject to change without notice—you are given the benefit of all reductions that may occur. Quantities available are naturally based upon market conditions. We reserve the right to return any remittance received, and consider the order cancelled. *A 2% Cash Discount may be deducted from all our net prices (except on Weston Meters, Readrite Meters, and all makes of Tubes) providing a full net cash remittance is sent with your order! This discount CANNOT BE DEDUCTED on any C. O. D. orders, due to the increased handling costs involved!* If by chance, it should be decreed by the U. S. Government that any merchandise herein listed is subject to any

tax, this small amount will be added on to your invoice.

C. O. D. ORDER INSTRUCTIONS

If a 20 per cent. deposit remittance accompanies C. O. D. orders, we shall cheerfully fill them with prompt despatch! (Customers sending repeat orders may omit the formality of sending 20 per cent. deposit remittance, with C. O. D. orders.) *You are not entitled to deduct 2 per cent. cash discount on C. O. D. orders!* Foreign shipments may be handled as follows: We will make shipment, *sight draft against our Bills of Lading, presented to your bankers in New York City.* Shipments are made outside U. S. A. on receipt of a 40% deposit remittance (for guarantee of prepayment of transportation charges), balance C. O. D.

ALL GOODS SHIPPED F. O. B. OUR WAREHOUSES

If parcel post shipment is desired, please include an additional amount in your remittance to cover same—in the absence of such additional remittance, or instructions, shipment will go forward via express collect. If you desire a freight shipment be sure to mention freight depot, if different from your city, and name of railroad serving your district. Parcel Post shipments are only insured if you request same and include suitable fee for same in your remittance. Non-insured shipments are made at customer's risk. *If in doubt as to possible parcel post charges, instruct*

us to make a C. O. D. Parcel Post shipment merely for the postage charges! Any excessive postage allowance will be promptly refunded, and an accounting of its disposition will be mailed immediately.

An ACKNOWLEDGMENT CARD is mailed upon receipt of your order—and is followed by a SHIPPING NOTICE and STATEMENT OF ACCOUNT.

This system, which we believe is exclusively employed by "Coast-To-Coast," entails a considerable expense to us, but, that is more than compensated for by the favorable reaction to it of our trade. You will appreciate and strongly value this friendly contact!

OUR ORGANIZATION IS EQUIPPED TO MAKE PROMPT SHIPMENTS!

Most of our orders are despatched from within 6 to 24 hours after receipt! Our huge stocks, thoroughly trained Personnel and smooth functioning systems make our unparalleled, speedy shipping service possible!

RETURNING OF MERCHANDISE

If you are not pleased with any shipment of merchandise received from us, write us at once—we will then issue you instructions relative to its return via insured parcel post, or prepaid express. Rest assured we will endeavor to please you, and keep you pleased. Any complaint, no matter how trivial in nature it may be, is not handled as routine matter by clerks, but is turned over to one of our Managing Executives.

We Guarantee That All Our Goods Are Illustrated and Described Accurately! Should You Be Displeased With Any of Our Merchandise, Please Return Same Within 10 Days of Its Receipt For Prompt Adjustment!

WHAT CONSTITUTES A PUBLIC ADDRESS AMPLIFIER INSTALLATION . . . HOW TO CHOOSE SUITABLE "COAST-TO-COAST" P. A. EQUIPMENT

Prepared by the Engineering Staff of COAST-TO-COAST RADIO CORP.

(NOTE: The contents of this treatise are fully copyrighted by COAST-TO-COAST RADIO CORP. . . . all infringements of its copyright privilege will be strenuously prosecuted!)

Make Big Money Renting or Selling "COAST-TO-COAST" Public Address Amplifiers— Establish Yourself as an Official "COAST-TO-COAST" P. A. Amplifier Sales Specialist!

Day by day, new uses are found for Public Address Amplifiers—the demand for "COAST-TO-COAST" P. A. Amplifiers is enormously increasing, partly due to the political campaigns now being fought. The demand for amplifier equipment is undeniably here, but, many prospective purchasers are entirely in the dark as to a suitable source of supply to obtain perfect equipment at a nominal investment—there is **BIG MONEY** in this highly lucrative field . . . be the first in your neighborhood to establish yourself as an official "COAST-TO-COAST" Sales Specialist. Remember, this equipment cannot readily be purchased in a Radio Store, and the prospective purchaser will usually prefer the **PERSONAL CONTACT, YOU, A "COAST-TO-COAST" PUBLIC ADDRESS AMPLIFIER INSTALLATION SALES SPECIALIST**, can alone offer him! An interested **PROSPECT** cannot help but materialize into a **SATISFIED PURCHASER**, with but **ONE DEMONSTRATION!** Our wholesale net prices quoted in this catalog will permit you to quote re-sale prices that will give you a 50% to 100% profit, and your customer will still **SAVE BIG MONEY!**

"COAST-TO-COAST" P. A. Amplifiers Are in Use in Every Conceivable Field of Endeavor Due to Their Universal Application

Here are only a few instances where our P. A. Equipment can be found: On Sound Trucks; Automobiles (for Political Campaigns); Moving Picture Houses; Stadiums; Schools; Race Tracks; Hospitals; Dance Halls; Restaurants; Amusement Parks; Hotels; Churches; Funeral Parlors; Stores; Outdoor Sound Advertising; Inter-Office Call Systems; Auditoriums; etc., etc. Canvass all the proprietors of the fields of endeavor herein mentioned and offer to make a free trial installation. . . . **A SALE IS BOUND TO RESULT!** The "COAST-TO-COAST" Power Amplifiers are designed to amplify and reproduce Phono-Record Music, Speech and Music through any type of Microphone, etc. Radio Tuner Output, Sound-on-Film, Telephone Line Inputs, etc.

How to Select the Amplifier Proper

Any amplifier has a greater sound coverage indoors than outdoors, for the logical reason that walls help retain sound within its confines. To obtain maximum sound distribution from ANY amplifier, it is suggested that additional speakers be employed, placing them at vantage points. The sum total of sound emanating from all the speakers will be the maximum undistorted output of the amplifier to which they are connected. For instance, if an amplifier is producing 16 WATTS, and only one speaker were to be used, that one speaker would reproduce 16 WATTS volume, and if 4 speakers were used on the same amplifier, **EACH SPEAKER WOULD REPRODUCE 4 WATTS**, although the grand total in the room would be the same 16 watts. The benefit obtained using the multi-speakers is of great importance, where maximum sound distribution is desired. Your selection of an amplifier first is determined by the area coverage desired, as indicated by the following helpful conservatively estimated table, showing necessary undistorted output watts to attain the coverage desired:

For Areas that Could Seat	200 People	Undistorted Output in Watts Required	
		5	10
" " " " " "	500	"	10
" " " " " "	2000	"	15
" " " " " "	3000	"	20
" " " " " "	5000	"	25
" " " " " "	10000	"	35
" " " " " "	25000	"	50

The above table applies to indoor coverage—for outdoor coverage, the amplifier should have about 25% greater audio output.

What Constitutes a Public Address Amplifier System?

Essentially, a P. A. System is made up of **INPUT APPARATUS—AMPLIFIER PROPER—REPRODUCER SYSTEM** (Loud Speakers). The **INPUT** apparatus usually consists of one or two phonograph pick-ups with associated mechanical wound or electric turn-ables, one or more microphones and possibly a Radio Tuner, as well as suitable Phono. Pick-up and Microphone **INPUT Impedance Matching Transformers** (or preferably a "COAST-TO-COAST" **ALL-PURPOSE INPUT CONTROL BOARD**). The **AMPLIFIER Proper** can either be a modest volume output 3 tube affair up to a multi-tube amplifier delivering enormous volume. The **REPRODUCER** system can either be of the dynamic cone or dynamic horn types.

Amplifiers Available For All Input Voltage Requirements and in Stationary Portable or Rack and Panel Models

All "COAST-TO-COAST" Amplifiers can be furnished to operate directly from 105 to 120 volt, 50-60 cycle A.C., 25 to 40 cycle A.C. Lines, as well as 220-240 volts, 50-60 cycles A.C.; directly from 110 or 220 volts D.C.; from motor Generators that operate from 6, 12, and 32 Volt Storage Batteries as well as 110 Volts D.C., and 220 Volts D.C.; from gasoline motor generator; from a motor car fan belt driven generator; from "AUTO A.C. POWER" units; or, from conventional "A" and "B" Batteries.

How to Select the Proper Number and Type of Speakers

Knowing the undistorted power output of the amplifier you are selecting, you should now determine what type and number of speakers you will purchase. Although a speaker unit (such as the **Racon Horn Type**) is conservatively rated at 6 to 8 watts continuous operating capacity, the manufacturer guarantees it to have a peak load capacity of 25 watts! Assuming you wish to employ speaker units in accordance with their conservative continuous operating limits, you should install sufficient units to collectively handle the full output of the amplifier. For example, it is recommended that you employ four 6 watt units in conjunction with a 20 to 25 watt Output Class "B" Amplifier. This prudence on your part will accomplish a two-fold purpose, inasmuch as the use of four such units (and associated baffle equipment) will also give you maximum distribution of sound. Where it is desired to have a pronounced directional sound distribution, horn type units are preferable. Another advantage offered by horn type units is their sturdy, fool-proof and weather-proof construction. Then again, it is possible to obtain extreme deflection of sound from a horn type unit by employing a dual or triple coupling connectors and an associated dual or triple exponential horn cluster. The cone type dynamic units are ideal for indoor coverage, and for more even sound distribution. Every cone type dynamic unit should be mounted either in a baffle horn or behind a baffle board consisting of either **CELOTEX**, wall-board, lumber, etc. The larger the baffle board employed, say beyond 30 in. x 30 in., the more pronounced will be bass note reproduction. In addition to the two types of speakers just mentioned, our amplifiers can actu-


ate a huge number of magnetic speaker units—for instance, our 25 watt amplifier can operate 250 such Speakers, each one producing .1 of a watt, or 125 such speakers, each one producing .2 of a watt!

All Horn and Cone Type Dynamic Speakers Must Have Their Fields Excited— How to Provide This

All dynamic units, both horn and cone types (except **PERMANENT MAGNET TYPES**), have a voice coil and a field coil. Voice Coils are connected to a matched impedance output transformer—the field coil must be connected to some form of energizing voltage source. For sound truck or automobile installations, it is suggested that D.C. fields designed for 6 volts be employed, obtaining this energizing current direct from the car storage battery, thereby not imposing a drain on a generator or "AUTO A.C. Power." However, a 6 volt rating field coil can also be energized by employing a **FIELD EXCITER**, operating from 110 volts A.C. Dynamic horn units are also obtainable with field coils rated at 1000 and 2500 ohms, etc., which obtain their voltage energizing source either directly from a D.C. power line or from the power pack in the amplifier! Then there are dynamic speakers with individual exciters, operating direct from a 110 volts A.C. power source, usually employing a rectifier tube. Our amplifiers can be furnished with provision to excite one to six D.C. Type horn or cone type speaker fields—this is indeed an exclusive and valuable feature. In instances where the placement of multi-speakers are very distant from the amplifier, it might be more advisable to employ A.C. Type operated **DYNAMIC Speakers**, with individual field excitation provision, saving that much cable connection. Permanent magnet dynamic or the conventional type magnetic unit speakers are ideal in installations where there is limited or no provision for field excitation.

How and Why to Employ Output Transformers

Every amplifier must employ an output transformer to match the speaker voice coil impedance. In some instances, this transformer is located right on the cone speaker chassis. If more than one dynamic speaker is employed, it is advisable to use a special output transformer, to match the number of and total impedance of the dynamic speaker voice coils, dispensing with the complicated procedure of attempting to match up transformers furnished with stock speakers. It is often desirable to place one or several dynamic speakers more than 50 feet away from the amplifier—in that case, it is necessary to have an output transformer installed within the amplifier rather than on the speaker, to prevent losses of high frequencies and resulting poor quality. Size No. 16 or larger wire is then recommended for the transmission line from the secondary winding of the output transformer to the voice coil or voice coils. However, if the amplifier is provided with an output transformer that has a standard secondary winding of 500 ohms (Output to 500 Ohm Line Transformer), the installation becomes automatically more flexible and desirable, it now being unnecessary to use such heavy conductors. Two single wires, No. 18 or smaller, (or a shielded single conductor) are then brought from this line transformer, to another output line transformer (500 ohm Line To Voice Coil Transformer), located even as far as several hundred feet away near one or more of the dynamic speakers. All losses and distortion are thereby eliminated. Each one of the remotely situated speakers can further be supplied with an individual volume control potentiometer to make further volume adjustment and equalization of loud speaker output possible. When employing a shielded single conductor (commonly referred to as "shielded-lead in wire"), the shield should be connected to the ground circuit, and thusly forms one of the necessary conductors, representing a saving in cost, were you to purchase a Dual Conductor.

Continued on Next Page Following 

"COAST-TO-COAST" PUBLIC ADDRESS AMPLIFIERS PROVIDE EXTREME SOUND COVERAGE AND PRODUCE AMAZINGLY FAITHFUL DISTORTION FREE REPRODUCTION!

Prepared by the Engineering Staff of COAST-TO-COAST RADIO CORP. (Continued)

How to Select INPUT EQUIPMENT

It is assumed you will employ an electric phono motor and pick-up, with one of the "COAST-TO-COAST" Power Amplifiers; it matters little if you use either a high or low impedance pick-up, as long as you incorporate electrically a suitable PHONO PICK-UP IMPEDANCE MATCHING TRANSFORMER between the pick up used and the input jack of the amplifier. It is possible to use more than one phono pick up at a time, in that event employing a "COAST-TO-COAST" Blending Fader Control, which feature is obtainable in our Control Boxes. If you intend to use the latest type 33 1/3 R.P.M. 30 Minute playing theatre records, order a suitable pick-up and motor, designed to also play the conventional 78 R.P.M. records, if desired. There are three practical types of microphones available, the single button carbon, double button carbon and condenser types. Double button microphones produce far better quality reproduction than single button types. As a rule, with "COAST-TO-COAST" 3 STAGE Amplifiers, microphone pre-amplifier stages are not necessary. On the other hand, at least one pre-amplifier stage (or two) is required with a condenser microphone, when

employing one of our 3 or 4 Stage P. A. Amplifiers. The condenser microphone is quite an improvement due to its absolute freedom of hiss (employing no noisy carbon granules) and cannot go out of adjustment. Can be mounted in any position! Consumes no power whatsoever! Whether you use either a carbon or condenser microphone, it is strongly recommended that you employ a "COAST-TO-COAST" ALL PURPOSE CONTROL BOARD, which component parts should NOT be an integral part of the amplifier proper, due to danger of feedback evils and hum pick-up! As a rule, amplifiers are placed out of sight and reach, therefore it is a big advantage to have the vital controls at your finger tips. Only two conductors (or one shielded conductor will do) connect the control box to the INPUT JACK on the amplifier.

The "COAST-TO-COAST" CONTROL BOX permits individual volume control of one or several microphones and pick ups, besides acting as a complete fader and mixer, blending pick-ups and microphones and Radio Input into each other. The Control Boxes also contain the proper phono pick-up and microphone impedance matching transformers. If this Control Box, or if microphones, pick-ups, and their impedance matching transformers and controls are located more than 50 feet from the amplifier, you must employ an OUTPUT to 500 ohm

LINE TRANSFORMER and from there, run a transmission line (2 wires) to a 500 ohm LINE TO GRID INPUT TRANSFORMER, the latter being adjacent to the amplifier. On request, we can build in these two different line transformers both within the CONTROL BOX and the AMPLIFIER proper.

Sound-on-Film Reproduction

Any of the "COAST-TO-COAST" P. A. Amplifiers can be used in Sound-On-Film Installations, if you specify we are to furnish provision for Exciter Lamp Current and a Photo-Cell "B" Supply and Pre-Amplifier.

Confer With Our P. A. Amplifier Engineers on Any Problem

If the specific information you seek is not herein contained, please do not hesitate to communicate with our ENGINEERING DEPT., who will be pleased to assist you solve any technical, mechanical or electrical problem that befalls you. There is no charge for this valuable service—any information we give you will be totally unbiased!

The House of "COAST-TO-COAST" Manufactures Their Own P. A. Amplifiers and Equipment Buying DIRECT From the Manufacturer, YOU PAY ONLY ONE PROFIT!

Our manufacturing plant is geared up for mass production, necessitated by our HUGE VOLUME SALES . . . because of the great savings thereby effected, we can actually "under-sell" our apparatus, quoting the lowest possible figures, commensurate, of course, with the HIGHEST

QUALITY MERCHANDISE and LABOR employed. Our amplifiers have been carefully designed, and after having been proven technically perfect, then the individual component parts are separately designed TO MOST EFFICIENTLY FUNCTION IN THEIR SPE-

CIFIC CIRCUIT REQUIREMENTS . . . in other words, we do not assemble amplifiers from "odds and ends," which component parts logically function under difficulty. You can have implicit faith in any "COAST-TO-COAST" branded Radio Equipment!

A Member of Our Engineering Staff Will Be Pleased to Personally Discuss With You Your Amplifier Requirements—and Demonstrate Any Amplifier Listed in This Catalog!

If at all possible for you to make a personal visit to our MODERN DEMONSTRATION SALES-ROOMS in New York, and inspect the "COAST-TO-COAST" Engineering Laboratories and our P. A. Amplifier factory, by all means do so! If you live out of town, and will travel by railroad or bus, communicate with us accordingly and we will arrange to have one of our

representatives meet you at the terminal, to personally escort you to our plant. If you will drive in, you may take advantage of the FREE PARKING ARRANGEMENTS, adjoining our plant. Transportation traveling expenses will be compensated for by us in proportion to the amplifier sale consummated. On your arrival, one of our Staff of Engineers will devote his

undivided attention to you, escort you to lunch or dinner as his guest, and impart to you the TOTALLY UNBIASED TECHNICAL INFORMATION you seek. We strongly resent the use of any SALES PRESSURE TACTICS . . . in fact, we have found the absolute merit of our products SPEAK FOR THEMSELVES!

Sound Amplification Has Created a New and Highly Profitable Industry . . . Now Is the Time to "Get in on The Ground Floor!"

Our survey of this new industry conclusively proves that the demand for rentals of Public Address Amplifier Installations has attained a volume far in excess of available equipment, in the hands of Radio Service Men, Dealers, Sound Truck Men, etc. There is undoubtedly a substantial money-making future assured for anyone who will heed this opportunity! Sound Amplification is in demand by practically every business house, desirous to have their products or

special sale offers and announcements broadcast along the city streets. We know of countless instances where wide awake men are purchasing several second hand light delivery trucks "for a song," equipping them with "COAST-TO-COAST" P. A. Equipment, and then hiring salesmen to canvass all the merchants to secure outdoor sound advertising time contracts. Each Sound Truck in your possession can be depended upon to pay you handsome and substantial

profits weekly. The suggestions we have made herein may sound biased, if you are inclined to be skeptical, but you will soon see the day when sound trucks will be a common place thing. . . . The right time to enter this new, coming industry is NOW! Of course, there is also BIG MONEY to be made selling "COAST-TO-COAST" Public Address Amplifiers and Equipment—in fact, many such sales will result from rentals!

Let Us Quote You on Special Public Address Amplifiers and Installations Not Listed in This Catalog

In the event your amplifier requirements are unusual, and, accordingly any of the amplifier installations described in this catalog might not suffice, please communicate with us in full detail, stating the area involved for sound coverage, height of ceiling (if indoors), nature of floors and walls with respect to carpets, tapestry hang-

ings, open windows (if any), distance from amplifier to speakers, distance from microphones or phono pick-ups to amplifiers, distance from amplifier to input control boxes, number and nature of speakers desired, etc., etc. A sketch of the sound coverage areas, showing approximate distances in feet will assist us. Your letter

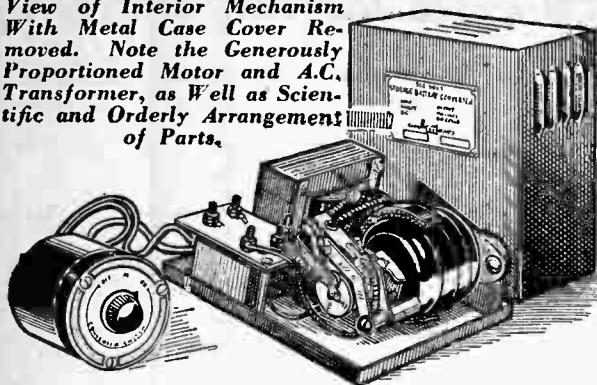
of inquiry will be turned over to one of our competent Laboratory Engineers, and his unbiased suggestions and our attractively priced quotations will follow in the return mail. You will be under NO OBLIGATION to us for this SERVICE—in fact, we will consider it a pleasure to be of assistance to you!

On the Following Pages, There Are Listed "COAST-TO-COAST" P. A. Amplifiers, One of Which Will Serve Your Installations, Sound Coverage Requirements . . .
AND SAVE YOU BIG MONEY!

SIX VOLT AUTO. STORAGE BATTERY "COAST-TO-COAST" "AUTO A.C. POWER" PRODUCING 110 VOLTS 60 CYCLES A.C., 65 WATTS

Do Not Confuse This Device With an Automobile "B" Eliminator

View of Interior Mechanism With Metal Case Cover Removed. Note the Generously Proportioned Motor and A.C. Transformer, as Well as Scientific and Orderly Arrangement of Parts.



safety device fuse—you cannot stall a car or boat on account of a dead battery caused by using this device! Heavily insulated and weather-proofed leads with powerful battery clips are furnished—they are 45 in. long. The control unit can be placed as far away as 40 in. from the converter—or further, if longer leads are connected. The converter can be mounted in any position, and is generally fastened within the hood, on the cowl. Note that the control unit can be fastened to the dash WITHOUT DRILLING any holes into same!

A Timely Invention—Due to Approaching Political Campaigns! Fills a Long Felt Need!

With the coming election, there will be a big demand and sale for public address amplifiers—90% of the installations so purchased, will possibly be employed in regular automobiles, wherein one of these "COAST-TO-COAST" AUTO A.C.-POWER UNITS will be installed, furnishing the necessary A.C. current, to an appropriately designed amplifier, i.e., a "COAST-TO-COAST" P. A. Amplifier, not drawing over 65 watts—we feature such an amplifier on another page in this catalog. It can truly be said that the successful political party will be that one equipped with the most and loudest amplifiers!

Consumes No Current When Idle—Car Motor Does Not Have to Be Kept Running While in Use!

This is all you have to do: Turn on the switch on the control unit, while the motor is running or not—that is all! While operating, the battery drain is an intermittent one, and for this reason the ammeter records only the PEAK load. The actual drain however, is about two-thirds of the ammeter reading. In operating this Converter, if the charging rate of the battery is stepped up, it can be used while the Automobile Generator is running, if desired, without any real drain then at all on the battery.

Requires No Adjustments—Entirely Dust Proof and Moisture Proof! Fool-Proof Operation

The modern street salesman will see fit to keep pace with the

times and resort to the use of this device and a "COAST-TO-COAST" Amplifier—no need to yell his lungs out, to receptive, but too distant ears. Instead, he will wear a lapel microphone . . . and command attention! We know of many instances where some of our customers have installed this "COAST-TO-COAST" Auto A.C. Power and a "COAST-TO-COAST" Amplifier in their car, and secured advertising contracts from various merchants, calling for making announcements of sales, special offers, etc., on the public streets. Investigate this new and highly lucrative money making field!

Radio Dealers! Take Notice!

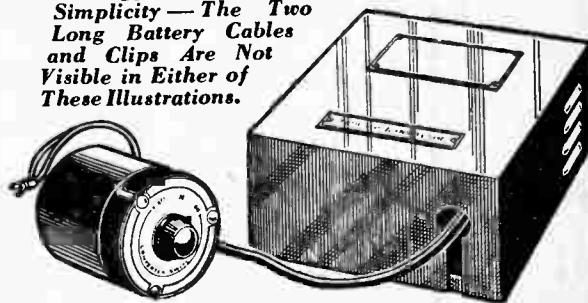
We suggest this novel stunt to help you sell "Midget" Receivers . . . pull up in front of the residence of your prospect, and demonstrate the radio RIGHT OUT IN THE STREET . . . he will be duly impressed, and your sale will be made then and there!

Permits the Use of a Standard A. C. Midget Radio Instead of a Battery Operated Model Auto Receiver

You can install any A.C. operated Radio in your car, providing it does not draw over 65 watts, and enjoy its reception in the same manner as you would in your own home—a standard A.C. Radio is of course superior to a Battery Operated Radio, for the reason that an A.C. Radio employs more powerful tubes, necessitating higher plate voltages. Its use with a Midget Radio set will not impose any unusual drain, as an average Midget Radio (5 tube model) only draws 40 watts! No B-batteries or ignition system suppressors required—installation is simple—you'll be delighted with the many uses of this remarkable new invention. This device is fully guaranteed!

Cat. No. 6953. Complete—**\$27.15** Ready For Immediate Use.

View Suggesting Absolute Simplicity—The Two Long Battery Cables and Clips Are Not Visible in Either of These Illustrations.



Furnishes Ample A. C. Current and Proper Voltage to Operate Any 110 Volt A. C. Power Amplifier, Midget A. C. Receiver or Electric Appliances

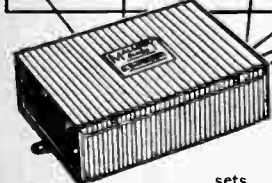
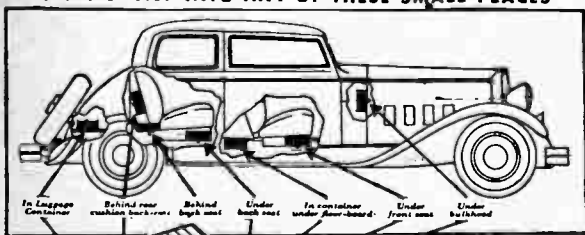
This device places within the willing purse of all a means whereby 110 volts 60 cycles A.C. can be produced wherever public utility A.C. lines are not available, as in certain farm localities, or, where it is impossible for them to be, such as on board ship, in a motor boat, in an automobile, or in the woods, providing of course a 6 volt storage battery is available. In automobiles, motor boats, Sound Trucks, etc., you can employ the very storage battery that is provided therewith. Primarily, this device is marketed for use in Radio Applications, however, it can also be used to furnish suitable current to any electric appliance rated up to 65 watts, such as curling irons, drink mixers, juice extractors, heating pads, 65 watt flood lights, trouble or camp lights, immersion heaters, small soldering irons, neon signs, small vacuum cleaners, electric hair clippers, etc.

Extreme Compactness Permits Convenient Mounting Anywhere in a Car. You Do Not Have to Be a Mechanic to Install It!

This device is furnished in two units, one, the converter mechanism itself, and two, the control unit and A.C. Voltage Outlet. The converter is enclosed in a ventilated steel shielded case, measuring 7 3/8 x 6 5/8 x 4 in. tall. Mounting hole provisions are furnished. The control unit measures 3 in. diam. by 3 1/2 in. long, and can be mounted right on any automobile dash-board—note the attractive escutcheon plate furnished for this purpose. This unit is equipped with a

MALLORY-ELKON AUTOMOBILE "B" ELIMINATOR

SLIPS EASILY INTO ANY OF THESE SMALL PLACES



Provides "B" current of the character required by automobile radio

sets, or small output power amplifiers. No two radio sets are exactly alike in performance or in the amount of current required to make them operate at their best. It is essential that an eliminator supply the exact amount of current which the radio set is designed to consume. This is accomplished with the Mallory eliminator through the selection of the proper Elkonode. Some radio sets must have 180 volts at 35 milliamperes, others must not exceed 15 milliamperes at 180 volts. The selection and application of the proper Elkonode to

supply the correct voltage and current for each radio set is made possible through the use of the voltage milliampere table below. After the milliampere drain of the radio set is ascertained this table indicates the voltage supplied through the use of the particular Elkonode selected. The 6 volts D. C. current of the car storage battery is changed into 180 volts, or any other voltage required by motor-car radio sets. The readily removable Mallory-Elkonode is the heart of the Mallory-Elkon eliminator. It is a device that changes the storage battery current into what is essentially an alternating current. This pulsating current is passed through a transformer which creates 350 volts A. C. current. The A. C. current is then used and rectified, using the same principles employed in all A. C. radio set design. A very efficient rectifier tube has been developed which again changes the current into D. C. which is filtered through the filter and choke assembly. The complete chassis can be removed from its container without detaching any part. All of the terminal screws are easily accessible when the lid of the eliminator is removed. The tube filaments in either an auto radio receiver or auto power amplifier are of course lit direct from the car 6 volt storage battery—this however, imposes very little drain on the battery.

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Instructions for Installation Included

The installation of the Mallory eliminator on each make and model radio receiver is extremely simplified through the accurate data provided in the installation instructions accompanying each eliminator. These instructions specify the terminal screw to which each color wire of the radio set is attached. No additional switch is required to operate the eliminator as an automatic switching relay is a part of the eliminator cable. The installation and instruction manual gives complete information on how to detect, isolate and eliminate all types of interference.

Standard 6 Volt D. C. Input Eliminators for Automobile Radio Sets

Any Mallory-Elkon "B" Eliminator can be converted into another type by interchange of Elkonodes. For example, a Type 6 Eliminator can be converted to a Type 3 Eliminator by removing the Type 6 Elkonode and inserting a Type 3 Elkonode.

Cat. No.	Type	Am-180 135 Watts peres Volts Mills				YOUR COST
		Out-put	In-put	at	at	
6947.	*Type 6	6.3	2.45	35	46	\$14.95 Complete—Ready for Immediate Use.
6948.	Type 5	5.4	2.1	30	40	
6949.	Type 4	4.5	1.8	25	33	
6950.	Type 3	3.6	1.5	20	27	
6951.	Type 2	2.7	1.2	15	20	
6952.	Type 1	2.2	1.1	12	16	

* This model enjoys almost universal demand. Compact: Size 10x7x3 1/4 in. Fits many places in any car. No rotary parts. No oiling. No attention. Nothing to fix. Does not set up interference. Dry—no water to add.

"COAST-TO-COAST" UNIVERSALLY OPERATED (FROM STORAGE BATTERY OR 110 VOLT 60 CYCLE A.C.) SOUND TRUCK AUDITORIUM AND PUBLIC ADDRESS 15 WATT AMPLIFIER . . . Consuming only 60 Watts A.C.! Tubes Required: 2-246, 4-42, 1-82

Permits Use in Any Sound Truck or Automobile Equipped With a Storage Battery Operated "COAST-TO-COAST" AUTO A. C. POWER UNIT . . . or . . . from any A. C. Light Socket by Merely Throwing a Switch! THERE IS NO OTHER UNIVERSALLY OPERATED AMPLIFIER LIKE IT . . . The House of "COAST-TO-COAST" IS PROUD OF THIS ACHIEVEMENT!

This Amplifier Was Designed to Meet the Demand for an All-Purpose Public Address Amplifier

Heretofore, an amplifier purchased for a Sound Truck or Automobile necessitated a substantial expenditure for costly rotary converters or fan belt driven motor generators. It is true that such amplifiers can also operate from 110 volt A.C. Sockets as well. Their design, however, does not provide for low wattage consumption, and as a result, the automotive rotary converter must furnish an unusually large amount of current, thereby imposing a correspondingly large drain on the storage battery actuating the converter. This IMPROVED MODEL AMPLIFIER, on the other hand, is so designed, that employed in a car, its current requirements from the storage battery therein are very small, and thereby necessitating a considerably less expensive converter to furnish the required A.C.; when used direct from an A.C. light socket, this amplifier consumes very much less wattage therefrom as well. . . . A SAVING THEN IS EFFECTED ALL THE WAY AROUND!

How This Amplifier Functions in a Sound Truck or Car

A complete Sound Truck or Car Amplifier essentially consists of:

- 1-Model A-14 Amplifier
- Tubes: 2-236, 4-42, 1-82
- 1-"COAST-TO-COAST" AUTO A.C. Power Unit, Cat. No. 6953.
- 1-6 Volt D.C. JENSEN OR RCA DYNAMIC SPEAKER
- 1-"COAST-TO-COAST" CONTROL BOX
- 1-Phono. Pick Up } Subject to your choice
- 1-Microphone

The "COAST-TO-COAST" Auto A.C. Power Unit is connected to your storage battery, and the 110 Volt 60 Cycle A.C. Output of same is then fed to the amplifier, by means of a cable and plug furnished. Another cable leading from the amplifier is also attached to the storage battery terminals—this provides the filament current for all the tubes in the amplifier, except the 82 Rectifier, which is lit from the 110 Volt A.C. supply, furnished by the AUTO A.C. Supply Unit. The 6 volt D.C. Dynamic Speaker also obtains its field excitation from this same cable, by internal connections providing such an outlet. It obviously follows that operating the tube filaments and exciting the speaker field from the car storage battery considerably lessens the drain upon the Auto A.C. Power Unit, were same to furnish A.C. Filament supply and field excitation. Drawing this filament and speaker field current from the storage battery, only consumes about 4 amps. . . . if you employ permanent magnet dynamic speakers (requiring no field current) then there will only be consumed 3.6 amps. However, compare that trivial drain to what would constitute an additional load and drain of 32 to 38 watts on the automobile motor generator, were the tube filaments and speaker field to be operated through the A.C. source of supply. Bear in mind that the larger current drain that is imposed on a motor generator, results in a correspondingly larger current drain on the storage battery. The wisdom therefore of our system is self obvious!

How This Same Amplifier Is Employed From a 110 Volt A. C. Light Socket

Assuming that your daily requirements necessitate the alternate use of this Public Address Amplifier in a Sound Car, and, also possibly from a light socket (either indoors or outdoors), all you have to do is disconnect the plug leading to the AUTO A.C. Power Unit, and insert it into a 110 Volt A.C. 50-60 cycle socket, at the same time throwing a switch (located on the amplifier chassis), which disconnects the filaments from the car battery and connects them instead to a separate secondary of the Amplifier's A.C. Power Transformer. Naturally, means can be provided to use the same 6 volt D.C. Dynamic Speaker on an A.C. installation, without any further changes!

A Superb Instrument for Phono. Pick-Up Radio Tuner or Microphone Amplification!



\$37.50

Extreme Portability and Compactness Permit Convenient Removal of Equipment From One Installation to Another

It is suggested that you purchase any of the PORTABLE AMPLIFIER and PORTABLE-SPEAKER Baffle Cases listed in this catalog, for housing therein the various apparatus constituting a complete P. A. system. You can actually drive up to your destination and remove the equipment from a car, not removing, of course, the "COAST-TO-COAST" AUTO A.C. POWER UNIT, if you will employ A.C. The Whole installation only takes a few minutes!

Additional Dynamic Speakers Can Be Employed

When using this equipment with a storage battery, any number of Dynamic Speakers of the Racon Horn or Cone Types may be employed, provided a suitable output coupling means is used. Specify the number of speakers you will use, and we will furnish a suitable output coupling transformer, with a detailed installation diagram, for \$8.75 additional. You can employ the SELF-SAME ADDITIONAL 6 VOLT D.C. DYNAMIC SPEAKERS on 110 Volt A.C. Socket power installations—you will require a Special FIELD CURRENT EXCITER that connects to the 110 Volt A.C. socket, and provides the necessary 6 Volt D.C. field current. Your additional cost for this external exciter is figured at the rate of \$7.50, per speaker to be excited. (Of course, you will also require the special output coupling transformer just referred to.)

Exclusive and Valuable Features

Built upon a heavy gauge attractive black shiveled Steel Chassis of great rigidity. A bottom plate protects the wiring from mischievous hands and also keeps out dust and moisture. All the vital component parts, such as Power Transformer, Filter Chokes, Filter Condensers, and Interstage Audio Transformers Coupling Choke, are bolted to the metal chassis proper, and four separately removable steel Shields cover them. Note that the tops of the tubes are lower than the shields, being protected thereby. The overall dimensions of the chassis are 17 3/4 in. long, 9 in. wide, 8 1/2 in. high. The Power Transformer is air-cooled, and is designed to carry its full load, without overloading or overheating. A Multiple Choke Filtering System Employed Assures Hum-Free operation and reproduction, even if a Radio Tuner is used with this Superb Amplifier. The Filter Condensers are carefully tested for leakage before they are installed, on a 0 to 500,000,000 ohm "Megger." This is your surety and guarantee of life-long service. The audio stages are designed to give a flat frequency response curve from 30 cycles up to

10,000 cycles. A pleasingly effective Tone control and smoothly graduated Universal Volume Control serve a much needed purpose indeed. Three separate Twin Jocks are provided: one for additional speakers (of the A.C. Dynamic or Magnetic types); one for Phono-Pick-Up or Microphone or "COAST-TO-COAST" ALL Purpose Control Box and the other for Radio Tuner Input. Two Toggle Switches are also provided; one for the power line, one for Phono-Radio. Provision is made on the rear of the chassis for the installation of up to 6 or 7 UY Sockets, to serve as terminals for either 6 or 7 D.C. dynamic speakers, or for external "A-B-C" voltages and for 4 or 5 additional speakers. To thoroughly protect these amplifiers, a fuse block is self-contained.

Perfection and Faithfulness of Reproduction Amazes All With Its Life-Like Realism!

These "Coast-to-Coast" amplifiers are a tribute to its engineering staff! One audition of same immediately closes a sale, and re-orders are bound to be the rule and not the exception. The gigantic volume produced is sufficient to fill any 2,500 seat auditorium. However, this volume can be throttled down, with no loss of quality, for use in a smaller room, restaurant, dance hall, fair, school, church or in the home, etc., etc. Every user of one of these amplifiers can act as an agent and very easily affect many sales by merely giving one demonstration. Go after this extremely lucrative field! There are plenty of prospective purchasers all around you!

Kit Models Can Be Very Simply Wired by Any Novice—Detailed Instructions and Diagrams Included!

For those who desire to wire this amplifier, special models are available. Due to the fact that the amplifier will reach you in a completely assembled state, the actual task of wiring is really of little consequence. All the component parts are bolted to the chassis, and Self-Explanatory diagrams and instructions are included which are your assurance of complete success! All leads are suitably coded for ready identification.

Model A-14

Cat. No. 7080. Fully Assembled, but unwired. Less Speaker, Tubes, and Auto A.C. Power Unit. **\$37.50**

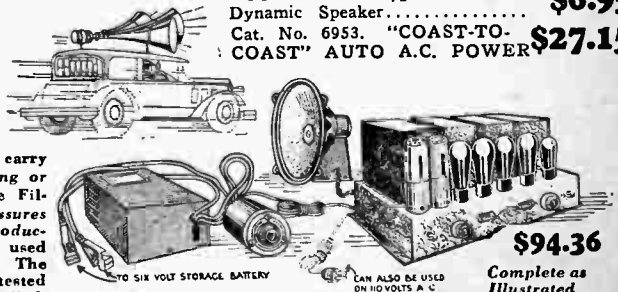
Cat. No. 7081. Factory Wired and Laboratory Tested—Ready for Immediate Use! **\$49.50**

Cat. No. 7082. Provision for operating one 6 Volt D.C. Dynamic Speaker (Horn or Cone Type) from Power Pack of amplifier. Only essential when using amplifier from 110 Volt A.C. Socket. **\$7.50**

Cat. No. 7083. Set of Tubes: 2-236, 4-42, 1-82. **\$10.76**

Cat. No. 7084. 6 Volt Matched D.C. JENSEN "CONCERT" 1 1/2 In. Diameter Dynamic Speaker. **\$6.95**

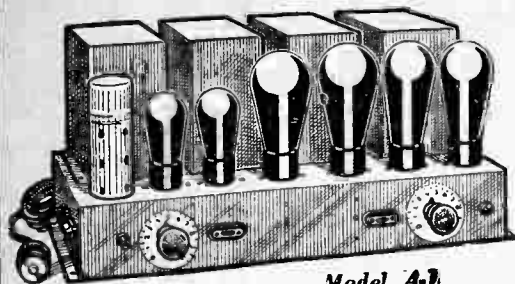
Cat. No. 6953. "COAST-TO-COAST" AUTO A.C. POWER **\$27.15**



\$94.36

View of Complete P. A. Installation. The "COAST-TO-COAST" Auto A.C. Power is fully Described on Page 6. Heater Type, Universal A.C. and D.C., 6.3 Volt Tubes (except 82) are Employed.

"COAST-TO-COAST" 3 STAGE DUAL PUSH-PULL 250 PHONO-RADIO-MICROPHONE, SOUND TRUCK, AUDITORIUM AND PUBLIC ADDRESS 12.9 TO 16 WATT OUTPUT POWER AMPLIFIERS



Model A-1

Simplicity of Operation and Foolproof Performance!

Any layman or novice can install any one of these amplifiers—absolutely no technical knowledge is required. The installation instructions furnished can be thoroughly understood by a 14 year old boy!

These Class "A" Circuit Amplifiers Represent the Sum Total of Advanced Power Amplifier Circuit Design, Theory and Application

Several of the "Coast-to-Coast" Laboratory engineers have been devoting over 18 months in costly experimental and research work with but one objective in mind—that of perfecting a Public Address Amplifying Unit of the Highest Electrical and Mechanical Qualities, capable of delivering an Undistorted Output of Approximately from 12.9 Watts (measured in accordance with conservative Western Electric Standards) to 16 watts, to sell at a popular price that would warrant the unanimous approval of the average American purse. When this research was commenced, we were mindful that there were available somewhat similar amplifiers, therefore, our additional problem was to *Bring Down the Sale Price to Within the Reach of All*, without sacrificing quality or in any manner impairing its 100% Satisfactory Performance! Naturally, during the course of this development work, many new and valuable improvements were incorporated, and as a result, it will be noted that the "Coast-to-Coast" Public Address Amplifiers described on this and on the following pages contain exclusive features which are not found in some considerably higher priced amplifiers.

Exclusive and Valuable Features

Built upon a heavy gauge attractive black, Heat Dissipating, shriveled Steel Chassis of great rigidity. A bottom plate protects the wiring from mischievous hands and also keeps out dust and moisture. All the vital component parts, such as Power Transformer, Filter Chokes, Filter Condensers, and Interstage Audio Transformers Coupling Choke, etc. are bolted to the metal chassis proper, and four separately removable steel Shields cover them. Note that the tops of the tubes are Lower than the shields, being protected thereby. The overall dimensions of the chassis are 17 3/4 in. long, 9 in. wide, 8 1/2 in. high. The Power Transformer is air-cooled and is designed to carry 180 mils. D. C. without overloading or overheating. A triple Choke Filtering System Employed assures Hum-Free reproduction, even if a Radio Tuner is used with this Superb Amplifier. The Filter Condensers are given a severe over-load BREAK DOWN TEST, and are then carefully tested for leakage before they are installed, on a 0 to 500,000,000 ohm "Megger." This is your surety and guaranty of life-long service. The audio stages are designed to give a flat frequency response curve from 30 cycles up to 10,000 cycles. A pleasingly effective Tone Compensation Control and smoothly graduated Universal Volume Control serve a much needed purpose indeed. Three separate Twin Jacks are provided: one for additional speakers (of the A.C. Dynamic or Magnetic types); one for Phono-Pick-Up or Microphone, and the other for Radio Tuner Input. Three Toggle Switches are also provided; two for the power line (one being used to turn on the "B" plate supply separately—most essential when employing Mercury Rectifier Tubes), and one for Phono-Radio. Provision is made on the rear of the chassis for the installation of up to 6 or 7 UY Sockets, to serve as terminals for either 6 or 7 D.C. Dynamic speakers, or, for external "A-B-C" voltages, and for 4 or 5 additional speakers. To thoroughly protect these amplifiers, a fuse block is self contained. To absolutely prevent an A.C. Hum background being reproduced, and to insure perfect stability,

"Coast-to-Coast" Public Address Amplifiers One Year Guarantee

This Guarantee applies to ALL "COAST-TO-COAST" Amplifiers listed in This Catalog!

Inasmuch as all the Electrical and Mechanical characteristics of all "Coast-to-Coast" amplifiers are in conformity with the HIGHEST STANDARDS OF ELECTRICAL AND MECHANICAL EXCELLENCE, WE GUARANTEE to replace any defective part gratis, providing same has not been tampered with or otherwise abused.

all A.C. and push pull leads are twisted and appropriately isolated, furthermore, all audio frequency components are shielded and placed in strategic points, and wherever necessary, double-shielded; and in addition, all a.f. circuits are heavily by-passed and filtered!

Specifications

The approximate electrical characteristics below apply in general to the various amplifiers described on this and the following page.

Maximum Undistorted Output: (Western Electric Standards) 12.9 Watts to 16 Watts. Input Signal Voltage to obtain Maximum Output: .05 to .06 Volt. Gain at 1,000 Cycles: 85 to 90 D. B. Frequency Characteristic Variation: Between 50 and 5,000 cycles, 2 D. B. Power Consumption: 120 Watts (871 Mercury Amplifiers). 135 Watts (866 Mercury Rectifier Amplifiers). 150 Watts (2-281 Amplifiers). Hum Level: To insignificant to be heard. Input: To GRID of first tube potentiometer. (Use Phono-Microphone or Line to Grid Input Transformers). Output Impedance: 4,000 ohms. (Some Models are equipped with an All-Purpose Output Transformer: 500 ohm Line, and with secondary of 15 ohms, tapped at 8 ohms, for multiple Dynamic Speaker Installations.) Power Supply: 115 Volts, 50-60 Cycles A.C. (25-40 cycle model, \$10.00 additional, 220 or 240 volt model, \$7.25 additional). Due to their unusually low wattage consumption, these amplifiers can also obtain their 115 Volts A.C. from SOUND TRUCK or MOTOR CAR Generators, 6-12-32 Volt D.C. Rotary Converters, or Gasoline Driven Motor Generators.

Incorporates Extremely Valuable MICROPHONE or PHONO. PRE-AMPLIFIER STAGE

The first tube on the left in all these amplifiers constitutes in reality a PHONO-MICROPHONE High Gain Pre-Amplifier, making unnecessary the necessity for an external microphone Pre-Amplifier, when employing Carbon Type Microphones. (In the case of Condenser Microphones, one or two stages of external battery operated Microphone Pre-Amplification is generally required). Full Gain and PERFECT QUALITY are produced by the self-contained Pre-Amplifier stage, due to the use of high voltage, thoroughly filtered RESISTANCE COUPLING. When coupling Radio Tuners to these amplifiers, the PHONO-RADIO Switch connects the Tuner Output directly to the first Push-Pull Stage. On the other hand, where unusually terrific Radio Tuner Amplification is desired, simply connect the Tuner Output to the PHONO-Microphone Jack Input, thereby taking advantage of the HIGH GAIN Pre-Amplifier Tube and Stage in addition.

PERFECTION and Faithfulness of Reproduction Amazes All With Its Life-Like Realism and Huge Volume!

The "Coast-to-Coast" amplifiers are a tribute to its engineering staff. One addition of same immediately closes a sale, and re-orders are bound to result. The gigantic volume produced is sufficient to fill any 2000 to 2500 seat auditorium, or for OUTDOOR SOUND TRUCKS. However, this volume can be throttled down, with no loss of quality for use in a smaller room, restaurant, dance hall, fair, school, church, or in the home, etc., etc. Every user of one of these amplifiers can act as an agent and very easily affect many sales by merely giving demonstrations. Investigate this extremely lucrative field! There are plenty of prospective purchasers all around you!

These Amplifiers Can Be Furnished with Provision for All Types of Multi-Speaker Installations

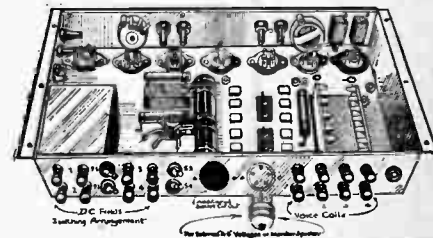
Our Amplifiers can be used with HORN Type Dynamic Speakers (such as Racon, etc.), both A.C. and D.C. Cone Type Dynamic Speakers, Permanent Magnetic Dynamic Speakers (require no field excitation!) or Magnetic Unit Type Speakers. MULTI-SPEAKER INSTALLATIONS accomplish a two fold all important valuable purpose, that of providing diversified sound distribution over large areas, and, at the same time, preventing blasting and rattle with subsequent possible speaker damage, inasmuch as the full output of the amplifier, with its high wattage peaks, will thusly not be confined to one speaker unit. As a rule, the average horn or cone type dynamic speaker is designed for 6 to 8 watts continuous operation, therefore, in multi-speaker installations, each speaker carries its equal share of the amplifier wattage output, and the total sound output of all the speakers used equals the total sound output (expressed in undistorted wattage) of the amplifier. For instance, if four dynamic speakers (horn or cone types) are used with an amplifier producing a peak output of approximately 20 watts, then EACH SPEAKER WILL SAPELY CARRY AND REPRODUCE ITS SHARE OF 5 WATTS! Each model "A-1" and "A-3" Amplifier is provided with a self-contained Combination Output to 500 ohm Line and Output to Multi-Voice Coil Transformer permitting the use of 1, 2, 4, 8, 16, etc. horn or cone type Dynamic Speakers, either D.C. or A.C. Types, or both.

All These Amplifiers Can Be Equipped to Furnish Full D. C. Field Excitation to Either 1 to 5 D. C., 2500 Ohm Dynamic Speakers, or to One 1000 Ohms and One to Three 2500 Ohm D.C. Speakers

Models "A-1," "A-2" and "A-3" Amplifiers are equipped to furnish field excitation for one 2500 ohm D.C. Dynamic Speaker—however, if you wish to employ additional 1000 ohm or 2500 ohm D.C. Dynamic Speakers, there will be an additional charge of \$3.75 per each additional speaker used beyond one. Note that only one R.C.A. Photophone Dynamic Speaker may be used instead of the 2500 ohm speaker above mentioned. If you wish to use one Photophone 1000 ohm type, include \$4.65 additional. If you prefer to use one or more A.C. Type Dynamic Speakers (or from 4 to say 200 Magnetic Unit Type Speakers) in conjunction with the standard model amplifiers, (and not use any D.C. Speakers) there will be an additional charge of \$3.50 for this provision. The additional speakers may be placed at any distance from the amplifier—we refer you to the page devoted to hints on ordering public address amplifiers.

Choice of Conventional 281 Rectification or 871 or 866 Mercury Vapor Rectification Offers Exclusive Features

The superiority of the new and improved 871 and 866 Mercury Rectifiers over the 281 type can be readily proven. Two 871 Mercury Vapor Rectifiers type can pass up to 600 mils., and two 866 type can easily handle up to 1200 mils., whereas two 281 Rectifiers can only handle up to 170 mils., at 700 volts R.M.S. It is true, however, that these amplifiers only draw 155 mils., which is well



Bottom View with Cover Plate Removed, showing All-Purpose Output Transformer and Automatic D. C. Field Switching Arrangement, Providing Individual Speaker Selection Control.

Description of These Amplifiers Continued on Following Page

"COAST-TO-COAST" 3 STAGE DUAL PUSH-PULL 250 PHONO RADIO-MICROPHONE SOUND TRUCK, AUDITORIUM AND PUBLIC ADDRESS 12.9 TO 16 WATT OUTPUT POWER AMPLIFIERS Cont'd.

(Continued From Opposite Page)

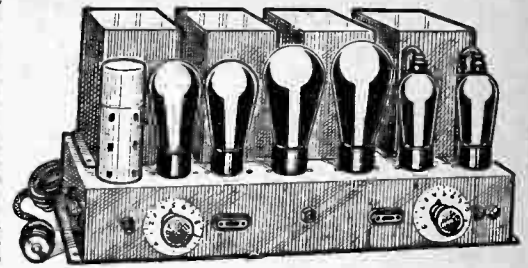


MODEL "A-2"

If desired, we can furnish this amplifier for use with TWO 866 Mercury Rectifiers, (instead of 2-281's or 2-871's) at no additional charge!

Kit Models Can Be Very Simply Wired by Any Novice—Detailed Instructions and Diagrams Included!

For those who desire to wire any of these amplifiers, special models are available. Due to the fact that the amplifier will reach you in a completely assembled state, the actual task of wiring is really of little consequence. All the component parts are bolted to the chassis, and Self-Explanatory Diagrams and instructions are included which are your assurance of complete success! All leads are suitably coded for ready identification.



MODEL "A-3"

Three Stage "Coast-to-Coast" Push-Pull 46 Second Stage and Push-Pull 250 "High Quality—High Gain" Auditorium and Public Address Model "A-3" Amplifier

Use of 2-46 (Class "A") Tubes In Push-Pull In Second Stage Instead of 2-227's or 2-56's Assures Increased Distortion—Free Amplification.

Delivers 15 to 16 Watts!

Like all "Coast-To-Coast" Amplifiers of this series, this model offers the same flexibility of applications. However, the main essential difference can be considered as vital, inasmuch as the use of 2-46 2nd A.F. stage tubes, feeding into the 2-250's, helps to reduce distortion possibilities substantially enough to cause this Amplifier to Deliver 15 to 16 Watts Undistorted Volume!

Theory

2-227's or 2-56's, have a maximum allowable grid swing of 26 volts. 2-46's have an allowable grid swing of 66 volts. This difference gives less distorted amplification, particularly when the 250's are loaded up to their maximum capacity.

Fidelity of Reproduction and Gigantic Distortion-Free Auditorium Volume Will Thrill You

Here is an Amplifier that will reproduce equally well from 30 to 10,000 cycles—compare that!

An Excellent Amplifier to Employ for Multi-Speaker Installations

Furnished with a Valuable Flexible All-Purpose OUTPUT TRANSFORMER. There is built in an output transformer combining an output to 500 ohm Line and Output To Multi-Voice Coil Transformer permitting the use of every possible combination and number of dynamic speakers!

Model "A-3" Undistorted Output: 16 Watts

Furnished With Output to 500 Ohm Line and Multi-Voice Coil Impedance OUTPUT TRANSFORMER. Standard Model (as herewith quoted) Furnishes D.C. Field Excitation To One 2500 Ohm Speaker . . . Up to 5 Speakers May Be Used Obtaining D.C. Field Excitation from this amplifier for \$3.75 additional per Speaker used, beyond one.

Cat. No. 7005. Kit Model, Fully Assembled, but Unwired, Less Tubes **\$47.50**

Cat. No. 7006. FACTORY WIRED and LABORATORY TESTED. Ready for Immediate Use! Less tubes . . . **\$59.00**

Cat. No. 7007. Set of 7 R.C.A. Tubes 1-224A, 2-46, 2-50, 2-281 . . . **\$16.21**

With 2-871 Mercury Rectifiers, instead of 2-281's **\$13.51**

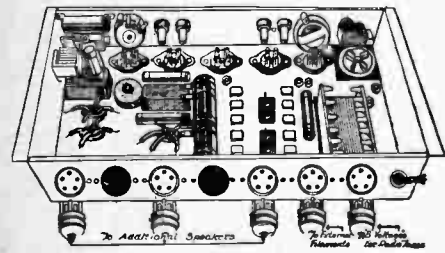
With 2-866 Mercury Rectifiers, instead of 2-281's **\$21.45**

below the rated capacity of two 281's—however, it is also logical to deduce that drawing only 155 mls. from the mercury rectifiers, that those tubes are being operated far below their rated capacity, assuring long life, trouble free performance, considerably less heat dissipation. The Mercury Vapor Rectifier Equipped Amplifiers consume less wattage, and are therefore better suited for use in motor generator installations, such as in sound trucks, automobiles, etc.

There is no change in cost of these amplifiers, should you prefer to employ the new mercury Rectifiers—however, please definitely state in your order which type of rectifier tubes you intend to use.

Provision Can Be Made to Furnish Any Radio Tuner With All "A-B-C" Voltages—Ideal for Conversion of Old Design Sets Into Modern 1932 A.C. Receivers

Employs an Independent Variable Tapped Wire-



MODEL "A-2"

Bottom View with Cover Plate Removed, showing several UY Socket and Cable Plug Terminals for provision for External Filament and "B" Tuner Voltages and provision for Additional Dynamic Speakers.

1000 to 2500 Ohm Matched Wright De Coster, Racon Type, R.C.A., and Jensen D. C. Dynamic Speakers

Cat. No. 7001. JENSEN 1 1/2 in. Diameter "Concert" D. C. **\$7.95**

Dynamic Speaker **\$14.50**

Cat. No. 7002. WRIGHT DE COSTER 12 in. Diameter. D. C. **\$10.95**

Dynamic Speaker **\$35.28**

Cat. No. 7003. R.C.A. 12 in. Diameter Improved Phonophone D. C. **\$35.28**

Cat. No. 7004. RACON "GIANT" TYPE HORN UNIT **\$35.28**

These MATCHED D.C. Dynamic Speakers can be used with ANY amplifier listed on this page. A.C. Operated Models are listed elsewhere in this catalog.

NOTE: We strongly recommend the adaption of the "COAST-TO-COAST" Control Boxes with any Amplifier listed on this page, or separate phono. and microphone input impedance matching transformers should be used.

Wound Voltage Divider—Adjustment of Which Does Not Affect the Plate Voltages of the Amplifier Unit! The standard model furnishes 2 1/2 volts, A.C., 10 amperes, for operating from 5 to 8-2 1/2 Volt Tubes for a tuner. The variable voltage divider, permits you to make fine "B" voltage adjustments to suit your requirements. If you desire, this feature of "A-B-C" voltage supply for a Radio Tuner, please include \$4.90 additional.

Provision Can Be Made for Furnishing Voltage to Condenser Microphones or Sound Picture Photo-Cells.

The voltage supply intended for this purpose is absolutely constant and of pure D.C. A Variable voltage adjustment is included and provides a flexible voltage supply. This feature can be furnished for \$7.50 additional.

"Talkie Movie" Exciter Lamp Provision Furnishes D.C. Current for one to two exciter lamps. Please specify type of lamp employed, and include \$17.50 additional.

Model "A-1" Undistorted Output 14.0 Watts

Furnished with Output to 500 Ohm Line and Multi-Voice Coil Impedance OUTPUT TRANSFORMER. Standard Model (as herewith quoted) Furnishes D.C. Field Excitation To One 2500 Ohm Speaker . . . Up To 5 Speakers. May Be Used Obtaining D.C. Field Excitation from this amplifier for \$3.75 additional per Speaker used, beyond one.

Cat. No. 6995. Kit Model, Fully assembled, but UNWIRED, less tubes **\$39.50**

Cat. No. 6996. FACTORY WIRED and LABORATORY TESTED. Ready For Immediate Use! Less Tubes **\$52.50**

Cat. No. 6997. Set of 7 R.C.A. Tubes: 1-224A, 2-56, 2-250, 2-281 . . **\$15.91**

With 2-871 Mercury Rectifiers (instead of 2-281's) **\$13.21**

With 2-866 Mercury Rectifiers (instead of 2-281's) **\$20.70**

Model "A-2" Undistorted Output: 12.9 Watts

Output Impedance: 4,000 ohms. Requires Speakers With Output Transformers. Standard Model (as herewith quoted) Furnishes D.C. Field Excitation To one 2500 Ohm Speaker . . . Up To 5 Speakers May Be Used Obtaining D.C. Field Excitation from this amplifier for \$3.75 additional per Speaker used, beyond one.

Cat. No. 6998. Kit Model, fully assembled but UNWIRED, less tubes **\$31.00**

Cat. No. 6999. FACTORY WIRED and LABORATORY TESTED. Ready for Immediate use! Less Tubes **\$42.50**

Cat. No. 7000. Set of 7 R.C.A. Tubes: 1-224A, 2-227, 2-250, 2-281 . **\$15.76**

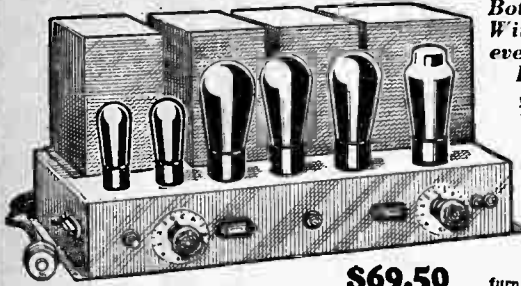
With 2-871 Mercury Rectifiers (Instead of 2-281's) **\$13.06**

With 2-866 Mercury Rectifiers (Instead of 2-281's) **\$20.55**

"COAST-TO-COAST" CLASS "B" 20-25 WATT OUTPUT FOUR STAGE MICROPHONE-PHONO-RADIO SOUND TRUCK, AUDITORIUM OR PUBLIC ADDRESS AMPLIFIERS

Special Model Available Furnishes D. C. Field Excitation To From 1 to 4-1000 Ohm—OR
—From 1 to 8-2500 Ohm D. C. Dynamic Speakers (Racon Horn or All Cone Types)

TUBES REQUIRED— Model A-4: 1-224A, 1-56, 3-46, 2-82.
Model A-5: 2-56, 3-46, 1-83.



Model A-5
Cat. No. 7041-7042

\$69.50

**Newly Developed 56, 46 and 82 and 33
Tubes Have Made Possible These Low
Priced and Highly Efficient Class "B"
Amplifiers**

In the original form, Class "B" amplifiers required 210 or 841 Tubes, necessitating the use of large dry "C" batteries (60 volts or 16 volts respectively), consuming therefrom approximately 20 mills. These tubes also required an individual power pack, separate from the power pack that actuated the balance of the tubes. Two 866 Mercury Rectifiers also had to be employed in the Class "B" Power Pack. It can be readily seen that such an amplifier was not only considerably expensive considering the costly equipment required, but its performance was not quite stable, or fool-proof. The advent of the new 46 Amplifier Tube, actuated by 82 or 83 Full Wave Mercury Rectifiers, entirely dispensed with the necessity of a separate power pack (only one common power supply now being required) and also dispensed with the objectionable use of dry "C" batteries for the simple reason that No "C" Bias Is Necessary for the 46 Amplifier Tube when used as a Class "B" Amplifier! Not only are highly desirable and satisfactory results obtainable by using these remarkable new tubes, but a substantial saving is effected in their COST, AS WELL AS IN THE ASSOCIATED APPARATUS.

**Enormous Undistorted Volume Produced
More Than Ample for Any Huge
Indoor Auditorium or Indoor Gathering**

The conservative continuous rated wattage output of two 46 tubes in push-pull is 20 watts; however, peak loads of up to 25 watts may be expected. You can readily visualize the gigantic volumes reproduced by this amplifier when you take in consideration that a 12.9 watt amplifier will comfortably cover a large size auditorium! Imagine then, the enormous degree of volume afforded by this amazing apparatus!

Modern Circuit Design

An Input Jack is connected on one side directly to the Chassis, which is grounded, and the other side to the grid of the 1st tube, which in reality functions as a MICROPHONE or PHONO PREAMPLIFIER. This permits any input control apparatus (such as the "Coast-to-Coast" All Purpose Public Address Control Units) or phono pick-up matching transformer, or microphone transformer to be directly connected to this input jack. If desired, such input transformers can be self-contained within the chassis. The output of this tube is resistance coupled to a 56 or 227 second a. f. stage, which in turn is coupled to a Class "A" 46 driver third A. F. stage. The 46 class "A" amplifier tube in this third A. F. stage is designed to supply the necessary grid swings of the two 46 Class "B" Push-Push Output Tubes, through a specially designed step-down transformer. The tremendous A. F. voltage peaks therein produced are fed through a specially designed self-contained highly insulated output transformer, having an output impedance of 4,000 ohms. In addition to this output transformer just mentioned, there is required another standard output transformer with a 4,000 ohm primary equipped with special tapped secondaries, only when more than one dynamic speaker is to be used.

**Both Models A-4 and A-5 Can Be Used
With Same Number of Speakers—How-
ever, Model A-5 Alone Can Furnish D.C.
Field Excitation to Such Speakers**

Model A-4 Class "B" Amplifiers is furnished with two 82 Type Mercury Vapor Rectifier Tubes and this model amplifier is not designed to furnish D.C. field excitation to any dynamic Speakers. Therefore, you must employ either A.C. Operated Dynamic Speakers or those obtaining their field excitation from an external source. (Permanent Magnet Speakers can also be employed in this connection.) On the other hand, Model A-5 Class "B" Amplifier is equipped with a Type 83 Mercury Vapor Rectifier and is equipped with a considerably heavier duty larger capacity Power Pack; this model can furnish D.C. Field Excitation to from 1 to 4-1000 Ohm D.C. Speakers (at 10 Watts each), or from 1 to 8-2500 ohm D.C. Speakers (at 5 Watts each)! Bear in mind that we can furnish Racon Type Horn Units with their field coils wound to either 1000 or 2500 ohms, obtaining their field excitation from the power pack furnished as regular equipment with all Model A-5 Class "B" Amplifiers! A simple switching arrangement, contained on the rear shelf of all Model A-5 "B" Amplifiers allows any number of the Speaker fields to be excited at will—for example, if the multi-speaker installation totals 8-2500 ohm speakers you can operate all 8 speakers at one time regardless of their distance from the amplifier, or you can operate any number of them from 1 to 8, switching off whichever ones you may desire. The standard Class "B" A-5 Model furnishes D.C. field excitation to either one 1000 ohm or one 2500 ohm D.C. Dynamic Speaker. If you desire this model amplifier to furnish D.C. field excitation to more than one D.C. Dynamic Speaker, there is an additional charge of \$3.75 per each additional speaker beyond one. In the event you wish to adapt the Model A-5 amplifier to furnish D.C. Field Excitation to Cat. No. 6958 JENSEN 30 WATT AUDIO OUTPUT SPEAKER (3000 ohm D.C. Model) there will be a special conversion charge of \$2.50. However, if you do not desire to employ ANY D.C. Type Dynamic Speakers with Model A-5 Class "B" Amplifiers and wish to employ self-excited dynamic speakers (such as 110 volt A.C. Operated Models), there is an additional charge of \$4.50.

**Both Model A-4 and A-5 Class "B"
Amplifiers Can Be Furnished With ALL-
PURPOSE OUTPUT TRANSFORMERS
(4,000 Ohm Primaries) for ALL TYPES
OF Multi-Speaker Installations**

These amplifiers can be used with horn type dynamic Speakers (such as Racon, etc.), both A.C. and D.C. Cone Type Dynamic Speakers, Permanent Magnetic Dynamic Speakers (require no field excitation!) or Magnetic Unit Type Speakers. MULTI-SPEAKER INSTALLATIONS accomplish a two fold all important valuable purpose, that of providing diversified sound distribution over large areas, and, at the same time, preventing blasting and rattle with subsequent possible speaker damage, inasmuch as the full output of either model amplifier, with its high wattage peaks, will thusly not be confined to one Speaker unit. As a rule, the average horn or cone type dynamic Speaker is designed for 6 to 8 Watts continuous operation, therefore, in multi-speaker installations, each speaker carries its equal share of the amplifier wattage output, and the total sound output of all the speakers used equals the total sound output (expressed in undistorted wattage) of the amplifier. For instance, if six dynamic speakers (horn or cone types) are used with an amplifier producing a peak output of approximately 30 watts, then EACH SPEAKER WOULD SAFELY CARRY AND REPRODUCE ITS SHARE OF 5 WATTS! Each Model "A-4" and "A-5" Amplifier can be used in conjunction with a Combination Output to 500 ohm Line and Output to Multi-Voltage Coil Transformer permitting the use of L. 2, 4, 8, 16, etc. horn or cone type Dynamic Speakers, either D.C. or A.C. Types, or both, in accordance with Simple diagrams furnished.

**Provision Can Be Made for Furnishing
Voltage to Condenser Microphones or
Sound Picture Photo-Cells**

The voltage supply intended for this purpose is absolutely constant and of pure D.C. A Variable voltage adjustment is included and provides a flexible voltage supply. This feature can be furnished for \$12.45 additional.

"Talkie Movie" Exciter Lamp Provision

Furnishes D.C. Current for one or two exciter lamps. Please specify type of lamp employed, and include \$22.50 additional.

One Year Guarantee

Inasmuch as all the Electrical and Mechanical characteristics of all "COAST-TO-COAST" amplifiers are in conformity and with the HIGHEST STANDARDS OF ELECTRICAL AND MECHANICAL EXCELLENCY, WE GUARANTEE these Amplifiers will perform according to their description and to replace any defective parts gratis, providing same has not been tampered with or otherwise abused.

**Employs a Valuable Self-Contained
Phono-Microphone Pre-Amplifier Stage**

A special input Jack and Switch arrangement couples the output of any tuner to the grid circuit of the second A.F. tube. It would be unwise to feed a tuner output into the 1st A.F. tube, for the resultant additional amplification would tend to deafen its audience—the first A.F. tube is solely employed for the pre-amplification of microphone and phono pick-up impulses. It is sincerely suggested that you employ any "Coast-to-Coast" T.R. F. or Super-Heterodyne Tuner (listed elsewhere in this Catalog) if you are installing a Public Address System. It is also suggested that you purchase a "COAST-TO-COAST" ALL PURPOSE Public Address Control Unit, representing IDEAL input impedance matching equipment, for the use of Phono-Microphone and Radio Tuner. The first tube on the left in all these amplifiers constitutes a PHONO-MICROPHONE High Gain Pre-Amplifier, making unnecessary the necessity for an external microphone (listed elsewhere in this Catalog) Type Microphones. (In the case of Condenser Microphones, one or two stages of external battery operated Microphone Pre-Amplification is generally required.) Full Gain and PERFECT QUALITY are produced by the self-contained Pre-Amplifier stage, due to the use of high voltage, thoroughly filtered RESISTANCE COUPLING.

**General Features of Both Models A-4
and A-5 Class "B" Amplifiers**

Constructed upon a sturdy and handsome black crystalline finished steel chassis, measuring 17 1/2 in. long, 9 in. wide, 8 1/2 in. high. Component parts, such as Power Transformer, Filter Chokes, Filter Condensers, and Intermediate Audio Transformers, are bolted to the metal chassis proper, and four separately removable steel Shields cover them. The Power Transformer is air-cooled and is designed to carry 640 Mills Peak in the model A-4 Amplifier, and 800 Mills Peak in the Model A-5 Amplifier without overloading or over heating. A Multiple Choke Filtering System is Employed and the use of a Hum-bucker as well as assure HUM-FREE operation and reproduction. The "Line" Condensers are given a HIGH VOLTAGE BREAK-DOWN TEST and are carefully tested for leakage before they are installed. A pleasingly effective Tone Control and smoothly graduated Universal Volume Control serve a much needed purpose. Three separate Twin Jacks are provided: one for additional speakers (of the A.C. Dynamic or Magnetic types); one for Phono-Pickup or Microphone and the other for Radio Tuner Input. Three Switches are also provided, one for PHONO-RADIO (or Microphone) selection; one for Power Line and one for the Mercury Tube Rectifiers. To absolutely prevent an A.C. Hum background being reproduced, and to insure perfect stability, all A.C. and push-pull leads are twisted and appropriately isolated, furthermore, all audio frequency components are shielded and placed in strategic points, and wherever necessary, double shielded; and in addition, all a.f. circuits are heavily by-passed and filtered! All vital components, such as Power Transformer, Filter Chokes, Output and Input Audio Transformers, etc. are Specially Designed For Specific Class "B" Operation Requirements! You cannot build a Class "B" Amplifier from Class "A" Amplifier components!

**Provision Can Be Made to Furnish Any
Radio Tuner With All "A-B-C" Volt-
ages—Ideal for Conversion of Old
Design Sets Into Modern 1932 A.C.
Receivers**

Employs an Independent Variable Tapped Wire-Wound Voltage Divider—Adjustment of Which Does Not Affect the Plate Voltages of the Amplifier Unit! The standard model furnishes 2 1/2 volts A.C., 10 amperes, for operating from 5 to 8-2 1/2 Volt Tubes for a tuner. The variable voltage divider, permits you to make fine "B" voltage adjustments to suit your requirements. If you desire, this feature of "A-B-C" voltage supply for a Radio Tuner, please include \$4.90 additional.

Continued on Next Following Page

"COAST-TO-COAST" CLASS "B" 20-25 WATT OUTPUT FOUR STAGE MICROPHONE-PHONO-RADIO SOUND TRUCK, AUDITORIUM OR PUBLIC ADDRESS AMPLIFIERS (Continued)

(Continued From Opposite Page)

SPECIFICATIONS

Maximum Undistorted Output: 20-25 Watts. Input Signal Voltage to obtain Maximum Output: .01 Volts. Gain at 1,000 Cycles: 85 D. B. Frequency Characteristic Variation between 50 and 5,000 cycles: 2.75 D.B. Power Consumption (at full load): 110 Watts for Model A-4, 130 Watts for Model A-5. (Note that it is the inherent characteristic of Class "B" Power Tubes not to consume hardly any power, when no signal is impressed upon the amplifier, saving approximately 40 WATTS thusly.)
Input: To Grid of first tube potentiometer. (Use Phono-Microphone or Line to Grid Input Transformers). Power Supply: 115 Volts, 50-60 Cycles A.C. (25-30 cycle model, \$15.00 additional. 220 or 240 volt model A.C. \$20.00 additional). Due to their unusually low wattage consumption, these amplifiers can also obtain their 115 Volts A.C. from SOUND TRUCK or MOTOR CAR Generators, 6-12-32 Volt D.C. Rotary Converters, or Gasoline Driven Motor Generators. Special All-Purpose Output Transformers are available with a 4000 ohm primary and with the following secondaries: 500 ohm Line, and 15 ohm winding tapped at 8 ohms. for multiple Dynamic Speaker Installations. Output Impedance: 4,000 ohms.

Full Wave 2-82 or 1-83 Mercury Rectifiers are Capable of Delivering 800 Mils. Peak Currents

A Class "B" Amplifier can only function properly if its power supply has perfect voltage regulation, and can safely withstand the enormous and instantaneous peak currents of up to 800 milliamperes. Mindful of this absolute necessity, we equip these amplifiers with a 100% Efficient High Safety Over-Load Factor Power Pack. Inasmuch as there is a great difference between the component parts employed in a Class "A" and Class "B" Amplifier Power Packs, special transformers and chokes had to be designed, to make the Class "B" Amplifiers function as described on this page!



\$59.50

Model A-4
Cat. No. 7038-7039

Mass Production and Huge Volume Sales Alone Make Possible These Amazing Low Prices!

Model A-4
Cat. No. 7038. Fully assembled, but Unwired. **\$59.50**
Cat. No. 7039. Factory wired, and Laboratory Tested. Ready for Immediate Use **\$74.50**
Cat. No. 7040. Set of 7 R.C.A. Tubes: 1-224A, 1-56, 3-46, 2-82 **\$5.87**

Model A-5
Cat. No. 7041. Fully Assembled, but Unwired . . . **\$69.50**
Cat. No. 7042. Factory Wired and Laboratory Tested. Ready for Immediate Use **\$88.50**
Cat. No. 7043. Set of 6 R.C.A. Tubes: 2-56, 3-46, 1-83 **\$5.24**

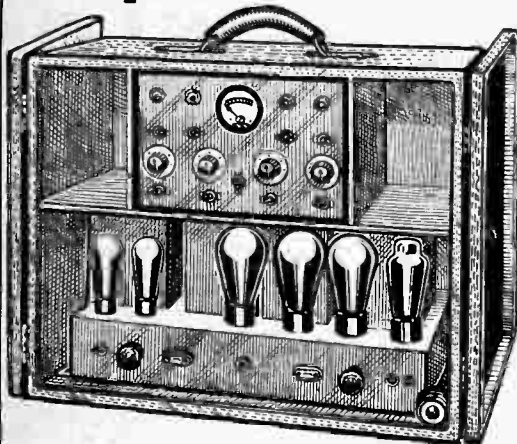
Cat. No. 7044. Special All-Purpose 25 Watt Output Transformer. (For use with both Models A-4 and A-5 Amplifiers.) 4,000 ohm Primary, with 500 ohm LINE secondary, and, 15 ohm secondary, tapped at 8 ohms. Diagram shows connections of 1 to 16 Dynamic Speaker Voice Coils **\$9.75**

Here are the Ideal Matched Speakers to Employ in Multi-Speaker Installations:
Cat. No. 7445. MATCHED JENSEN CERT D. C. DYNAMIC SPEAKER. (Choice of 1,000 or 2,500 Ohms.) **\$7.95**

Cat. No. 6958. 30 WATT PEAK LOAD JENSEN 1933 MODEL AUDITORIUM 3000 Ohm. D. C. DYNAMIC SPEAKER **\$27.00**
Cat. No. 6959. Same as Cat. No. 6958, but 110 Volt, 50-60 cycles A. C. operated—requiring an 82 Mercury Rectifier Tube. **\$40.50**

Cat. No. 7447. MATCHED RACON TYPE "GIANT" HORN TYPE 2500 Ohm D. C. DYNAMIC SPEAKER with 3/4 Foot Exponential Trumpet **\$47.03**
Cat. No. 7448. Same as Cat. No. 7447, but equipped with a 6 Foot Exponential Trumpet **\$60.03**

"Coast-To-Coast" Portable 20-25 Watt Class "B" Four Stage Push-Push Microphone - Phono - Radio Auditorium and Sound Truck Amplifier



Incorporates the Identical Class "B" Amplifier Model A-5 As Described on These Two Pages

To avoid duplication of text, we refer you to the thorough description of Cat. No. 7042, Model A-5 Class "B" Amplifier as shown on this page. This amplifier can furnish D. C. Field Excitation to 1 to 4-1000 ohm or 1 to 8-2500 ohm D. C. Dynamic Speakers, which can be of the Racon Horn or Cone Types.

Unique Features of This Portable Case
Overall, this case measures 20 3/4 in. long, 12 3/4 in. wide, 17 in. tall. It is so constructed that any "COAST-TO-COAST" All-Purpose Public Address Control Box as listed in this catalog can be stored within the upper central compartment, and either operated therefrom, or REMOVED by simply sliding it out, and

operating same from any remote point! In the other two smaller compartments (on its sides), you can store microphones, a microphone-preamplifier, dry-cells, or "B" batteries for the microphone and pre-amplifier. This case is fitted with neatly plated hardware trimmings and a substantial lock, as well as a durable handle.

Employing This Case as a Dynamic Speaker Baffle Chamber

As a rule, four to eight Jensen or Wright De Coster D. C. (or A. C. operated models) Dynamic Speakers are used with Class "B" Amplifiers and each such speaker can be procured MOUNTED WITHIN SEPARATELY AVAILABLE CASES EXACTLY IDENTICAL TO THE ONE ILLUSTRATED, with the exception that it will not contain the compartments shown, BUT WILL CONTAIN A ONE INCH THICK CELOTEX BAFFLE BOARD, behind which the speaker is mounted. The chamber thus formed constitutes an ACOUSTICALLY PERFECT DYNAMIC SPEAKER BAFFLE, causing the bass notes to be as equally well reproduced as the higher notes. There is ample room within its interior to store any length of speaker coupling cable. These speaker cases can be placed any distance from the amplifier, in accordance with the description relative to this subject, as shown elsewhere in this catalog. It is well to appreciate that these portable cases really make up PERFECT Dynamic Speaker Baffle Chambers, and not "make-shift" affairs!

Portability and Low Wattage Consumption Permits Use in Either Sound Trucks and For All Indoor or Outdoor Installations.

The enterprising Radio Serviceman and Dealer will be quick to visualize the substantial money

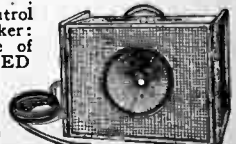
making possibilities offered by this super-powerful amplifier, allowing him to rent out a complete installation for ANY and EVERY SOUND AMPLIFICATION PURPOSE, easily transporting the entire equipment in an automobile, and setting it up is but a matter of a few minutes! Just a few rentals and the equipment is entirely paid for! Be the first in your vicinity to establish himself as the Official "COAST-TO-COAST" PUBLIC ADDRESS AMPLIFIER SPECIALIST. . . . THERE IS BIG MONEY IN THIS HIGHLY LUCRATIVE FIELD.

Cat. No. 7076. Complete Portable P. A. Class "B" Amplifier, including Cat. No. 7042, Model A-5 Class "B" Amplifier. FACTORY WIRED and LABORATORY TESTED. Ready for Immediate Use! Less Tubes, Speaker and Public Address Control Box. **\$112.50**

Cat. No. 7077. Portable Speaker Case, with MATCHED JENSEN D. C. DYNAMIC SPEAKER. (Chassis Cat. No. 7445) **\$31.45**

Cat. No. 7078. Portable Speaker Case, with MATCHED WRIGHT-DE COSTER D. C. DYNAMIC SPEAKER. (Chassis Cat. No. 7446) **\$38.00**

Cat. No. 7079. PORTABLE CASE, as Illustrated and Described. Less Amplifier, Control Box and Speaker: Equipped with choice of CELOTEX BAFFLED FRONT or compartments as shown, same being readily removable. **\$24.50**

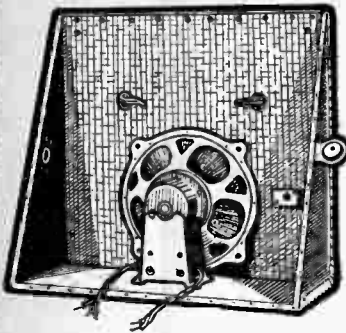


"COAST-TO-COAST" PORTABLE 14.0 WATT 3 STAGE DUAL PUSH-PULL 250 SOUND TRUCK, AUDITORIUM AND PUBLIC ADDRESS MICROPHONE—PHONO—RADIO TUNER AMPLIFIER WITH SELF CONTAINED JENSEN DYNAMIC SPEAKER

Offers Valuable Convenience of Removable Dynamic Speaker Baffle Section

Incorporates a "Coast-to-Coast" Cat. No. 6995 or 6996 Model A-1 Public Address Amplifier

For a complete description of the amplifier included, you are referred to the pages devoted to same. Due to its minimum wattage consumption, this portable amplifier is ideally suited for installation in sound trucks, or wherever a rotary converter is employed. Due to its portability, the entire outfit can be carried from an automobile into a store, auditorium, stadium, etc., or wherever 110 volts, 50-60 cycles A. C. is available from a light socket, or motor generator, and used therewith!

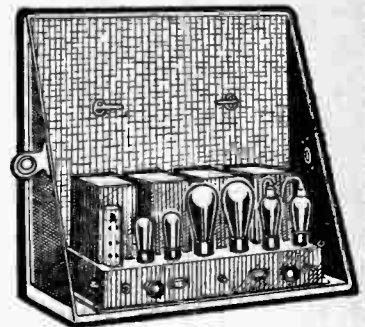
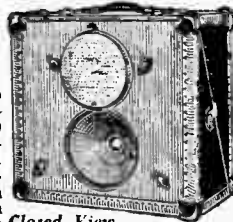


It will be noted from the illustrations herewith that the unique two section construction of this miniature trunk permits both halves to be separately detached, without disturbing the amplifier and speaker contents, which are separately bolted to each section. When the two sections are placed together, the speaker does not strike or even touch the amplifier—no tubes need be removed. A lock, key, and clasps, etc., of the conventional trunk type are provided. The carrying handle is extra thick leather and is securely bolted to the case. All the edges are metal lined, and provided with heavy gauge metal corners. The dynamic speaker mounting surface forms an unusually effective and acoustically perfect baffle, measuring 21 3/4 in. x 22 in. The cone diaphragm is protected by a porthole cover, (8 1/2 in. diameter) fitted with a snap lock—in operation, this cover can be hinged backwards. The Speaker unit can be placed any distance from the amplifier, and is roomy enough to store and transport other equipment. Additional cases of this same type are available, each containing two separately removable speaker units and baffles—ideal for MULTI-SPEAKER PUBLIC ADDRESS INSTALLATIONS. When closed together, the overall dimensions of the entire case measures 23 1/4 in. long, 12 3/4 in. wide, 22 in. tall.

User-Agents! Make Big Money Renting Out These Superb Amplifiers to Fairs, Dances, Church Meetings, Schools, Restaurants, etc!

Will pay for itself, in a surprisingly short time—also ideal for permanent installation. Its tremendous, and distortionless volume justifies its use for very large indoor and outdoor audiences. Can be set up for actual operation anywhere in less than 5 minutes! If purchased in semi-assembled form, any novice can easily wire it, within a few hours—fully explanatory blue print and readily understood instructions included.

The Standard Model furnishes D.C. field excitation to one 2500 ohm Dynamic Speaker; however, for \$7.50 additional, we can adapt this amplifier to furnish field excitation to two more 2500 ohm Dynamic Speakers, making 3 in all. (For \$15.00 additional, up to 5 such D. C. Speakers can be employed!) The **Closed View UNIVERSAL OUTPUT TRANSFORMER** feature makes this amplifier extremely versatile in application.



Use of "Coast-to-Coast" All-Purpose Control Box Suggested

A control box, with microphone and phono. pick-up mixing, fading and input transformer, can be placed ANY DISTANCE from this amplifier, offering great advantages. When not in use, it can be set next to the speaker, and accordingly transported.

Model A-36

Cat. No. 7031. Fully Assembled but Unwired. Includes Cat. No. 6995 Model A-1 Amplifier, Two Section Portable Case as Illustrated, less Speaker and Tubes..... **\$61.50**

Cat. No. 7032. Same as Cat. No. 7031, but Factory Wired, and Laboratory Tested—Ready for Immediate Use! **\$75.00**

Cat. No. 7033. Portable Two Section Trunk Case Only. Ideal for mounting two Dynamic Speakers—furnished with two "Port-Holes" and Covers..... **\$22.50**

NOTE: For choice of matched speakers and price of tubes, please refer to the pages on which Cat. No. 6995 and 6996 Model A-1 Amplifiers are described.

"COAST-TO-COAST" PORTABLE THREE STAGE 12.9 WATT 250 DUAL PUSH-PULL RADIO-PHONO-MICROPHONE PUBLIC ADDRESS AMPLIFIER



The P. A. Amplifier employed in this outfit is the identical one described under our Cat. Nos. 6998 and 6999 Models A-2, to which description you are referred. It is housed in a highly attractive leather covered portable case, measuring 19 in long, 9 1/2 in. deep, and 14 in. tall. This case has been made purposely taller than actually necessary, with the view in mind of employing same as a Dynamic Speaker Baffle, most speakers measuring approximately 12 in. tall by 6 to 8 inches deep. In fact, these cases are separately available with a CELOTEX Baffle, with a circular hole cut out to accommodate any speaker. These cases are equipped with a substantial carrying handle and fitted with locks. Due to the unusually low wattage consumption (120 watts), this powerful P. A. Amplifier can be operated from a 12 volt D. C. Input Rotary Converter rated at 150 to 160 watts output. Then, it can be carried indoors and attached to any appropriate A. C. Light Socket, comprising an extremely flexible operated unit.

Can Furnish D.C. Field Excitation for From One to Five 2500 Ohm Dynamic Speakers—Each One of Which Can Be Housed in Individual Portable Cases.

Adaptable for Use in Sound Trucks or Indoors

The standard model furnishes D. C. field excitation current to one 2500 ohm Dynamic Speaker—(cone or horn type unit) for a charge of \$3.75 additional per speaker, we can adapt this amplifier to furnish D. C. Field Excitation to as many as FOUR ADDITIONAL 2500 ohm Dynamic Speakers.

Portable Case herewith illustrated can be purchased separately.

Should you care to install any other amplifier in this portable case than Model A-2, separately order Cat. No. 7036 Portable Case, 1 (or more) Cat. No. 7037 Celotex Baffled Speaker Case, and whichever other "COAST-TO-COAST" Power Amplifier best serves your requirements.

Produces Volume Enough to Provide Sufficient Sound Coverage for All Average Indoor or Outdoor Installation.

For directional sound distribution, we suggest the use of a Racon Type Horn Unit with 3 1/2 Ft. or 6 Ft. long Trumpets. If wide area sound distribution is desired, additional Speakers of either horn or cone unit types are suggested. Requires input transformers, such as phono. pick-up and microphone types... or preferably, we suggest a "COAST-TO-COAST" ALL-PURPOSE CONTROL BOX, to which descriptions you are referred.

Model A-37

Cat. No. 7034. Semi-Assembled, but Unwired. Includes Cat. No. 6998 Model A-2 Amplifier and this Portable Case, as Illustrated. Less Speaker and Tubes..... **\$46.50**

Cat. No. 7035. Same as above, but FACTORY WIRED AND LABORATORY TESTED. (See our Cat. No. 6999, Model A-2 Amplifier.) Ready for Immediate Use! **\$58.00**

Cat. No. 7036. PORTABLE CASE, as described, less amplifier or Speaker .. **\$15.50**

Cat. No. 7037. Portable Case with Celotex Baffle Board, with cut-out for any Speaker—please specify .. **\$16.50**

NOTE: For choice of matched dynamic speakers, and price of tubes, please refer to page 9



Model SRA-46

Combination 7 Tube "Coast-to-Coast" A.C. Operated Super-Heterodyne Tuner (Cat. No. 7089) and "Coast-to-Coast" All-Purpose Input Control Panel (Cat. No. 7062)

All controls on front panel, which is made of ELECTRALLOY metal. Housed in above illustrated Portable Case (Cat. No. 7036) Ready for immediate use. **\$85.00**

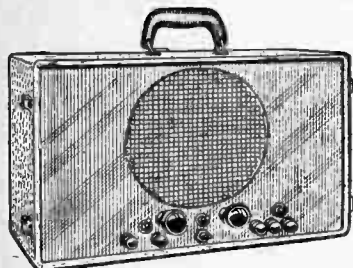
Cat. No. 7469.....

"Coast-To-Coast" Universal Auto or Sound Truck A.C. Power Operated and Conventional Light Socket Power Operated Portable Series Phono-Radio-Microphone Public Address Amplifiers

Ideal for Addressing Outdoor Crowds from an Automobile—Just the Thing for Political Gatherings, Advertising Stunts, "Modern" Street Salesmen, etc. and for All Indoor Installations! Most Compactly Constructed, and Lightest Weight Portable Amplifiers!

Models Available Producing From 3 to 13 Watts Undistorted Output

These highly satisfactory portable amplifiers are installed within attractive and durably constructed leatherette finished portable cases measuring 18½ in. long, 10 in. wide, and 11 in. tall. They all feature self-contained **MATCHED JENSEN DYNAMIC SPEAKERS** and a complete **"COAST-TO-COAST" All Purpose Control Panel Board**. There is provided ample space for housing of microphones, batteries, and all other necessary equipment. Every one of these amplifiers can be supplied to furnish D.C. field excitation to not only the dynamic speaker **FURNISHED AS REGULAR EQUIPMENT WITH EACH AMPLIFIER**, but, it can also furnish D.C. Field Excitation to ONE to TWO ADDITIONAL 2500 ohm D.C. DYNAMIC SPEAKERS, each one of which can be installed within similar portable cases as illustrated, or, installed behind any baffle board arrangement. For incorporating this additional provision, there is an additional charge of \$3.50 per each additional speaker! The dominant thought behind the engineering design of these amplifiers was **LOWEST POSSIBLE**



Front View, With Removable Cover Not Shown in Illustration. Note Self-Contained Control Panel.

All Amplifiers Listed Below Are Furnished Completely Assembled, FACTORY WIRED and LABORATORY TESTED. They Include a Portable Case, Control Board, JENSEN MATCHED DYNAMIC SPEAKER and BAFFLE BOARD.

Model A-9 Single Pentode Output Model

Output: 3 Watts

Cat. No. 7051. Requires 1-224A (or 57), 1-247, 1-82 (or 280). WATTAGE CONSUMPTION, 40 WATTS.... **\$37.50**
Cat. No. 7052. Set of 3 R.C.A. Tubes..... **\$2.73**

Model A-10 Single Triple-Twin Output Model

Output: 5 Watts

Cat. No. 7053. Requires 1-224 (or 57), 1-295 Triple Twin Tube, 1-82 (or 280). WATTAGE CONSUMPTION: 47 WATTS **\$43.50**
Cat. No. 7054. Set of 3 Tubes **\$3.84**

Model A-11 Push-Pull Pentode Output Model

Output: 7 Watts

Cat. No. 7055. Requires 1-224A (or 57), 2-247, 1-82 (or 280). WATTAGE CONSUMPTION: 59 WATTS..... **\$49.50**
Cat. No. 7056. Set of 4 R.C.A. Tubes..... **\$3.60**

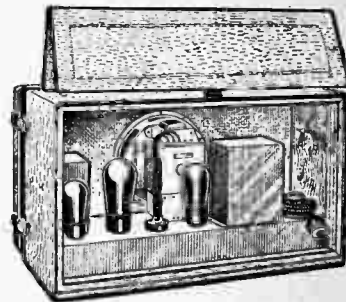
Portable Battery Operated "Coast-to-Coast" Amplifiers

Any A. C. operated Amplifier described on this page can be furnished for exclusive battery operation. All battery models include a 6 Volt D. C. Jensen Dynamic Speaker. The Tubes are lit from a car storage battery. External "B" and "C" batteries are also required. Due to careful design, and low wattage consumption characteristic, there is a minimum drain imposed on the batteries, and they will consequently last a long time.

	Watts "A"	"B"	Tubes	Out-Bat-tery	Bat-tery	"C" YOUR Battery	COST
A-9B	1-236, 1-42	3	6V.	250V.	16½V.		\$33.50
A-10B	1-236, 1-295	5	6V.	250V.	16½V.		39.50
A-11B	1-236, 2-42	7	6V.	250V.	16½V.		44.50
A-12B	2-237, 3-46	10	6V.	270V.	33 V.		52.50
A-13B	2-237, 3-46	13	6V.	315V.	33 V.		58.50

Portable Case

Available without Amplifier Speaker or Control Board Equipment. Size 18½ x 10 x 11 in. tall. Note complete view in upper right hand corner this page. **\$5.50**
Cat. No. 7450



Rear View—Note Large Baffle Chamber Area—Assures Perfect Reproduction

All Amplifiers Listed Below Are Furnished Completely Assembled, FACTORY WIRED and LABORATORY TESTED. They Include a Portable Case, Control Board, JENSEN MATCHED DYNAMIC SPEAKER and BAFFLE BOARD

Model A-12 Four Stage Push-Push Class "B" Power Amplifier

Output: 10 Watts

Cat. No. 7057. Requires 2-56, 3-46, 1-82 R.C.A. Tubes. WATTAGE CONSUMPTION: 50 WATTS ... **\$59.50**
Cat. No. 7058. Set of 6 R.C.A. Tubes..... **\$5.03**

Model A-13 Four Stage Push-Push Class "B" Power Amplifier

Output: 13 Watts

Cat. No. 7059. Requires 2-56, 3-46, 1-82 R.C.A. Tubes. WATTAGE CONSUMPTION: 54 WATTS..... **\$69.50**
Cat. No. 7060. Set of 6 R.C.A. Tubes..... **\$5.03**

Additional Portable Jensen Dynamic Speakers

Cat. No. 7061. Housed in same case as above described and illustrated. 2500 ohm D.C. model. Can be placed any distance from amplifier. Requires 5 Conductor Cable. **\$12.50**

Portable Class "B" Amplifiers

Models A-12 and A-13 are designed to be used in conjunction with any dynamic speaker, obtaining its field excitation from a source external from its power pack, such as 6 volt D. C. dynamic speakers, which can be excited by the car storage battery. The reason for this is to reduce the wattage consumption so as to enable the use of a Coast-to-Coast Auto A. C. Power. Unless specified, we will include a 6 volt Jensen D. C. Dynamic Speaker. (If you desire a 110 volt A. C. operated Jensen Dynamic Speaker installed instead, add \$5.75 to your remittance.)

Exclusive and Valuable Features!

Contain the following innovations: A. C. Line Switch, Binding Post Terminals for Radio Input, Phono. Pick-up or Microphone. The use of a 224A or 57 as the 1st A. F. tube (always the dream of radio experimenters and set builders) in its now improved form permits tremendous input Gain far in excess of that feebly accomplished by less sensitive input tubes. Constructed upon a sturdy, nicely plated metal chassis. Provided with line cord and plug. All vital and sensitive components heavily shielded—all circuits by-passed and filtered, insuring absolute stable and hum-free reproduction. Fore-thought in construction design has made possible extreme light-weight . . . in truth, a Portable! (The various models average 30 lbs. each). Any novice can operate this amplifier five minutes after you receive it!

USER AGENTS!

There Is Big Money To Be Made Renting These Amplifiers! A Few Rentals Will Quickly Pay Back Your Total Investment! Be the First In Your Neighborhood To Establish Yourself As An Official "COAST-TO-COAST" Sales Specialist!

Cat. No. 6953 Fully Described Elsewhere in This Catalog.

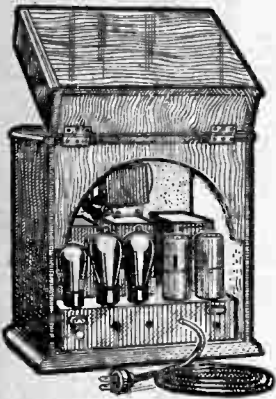
This "Coast-to-Coast" Auto A.C. Power

Plus any "Coast-to-Coast" Portable Amplifier listed on this page constitutes an excellent Automobile or Sound Truck Public Address Amplifier Installation!

"COAST-TO-COAST" 5 TUBE TWO STAGE DUAL PUSH-PULL PENTODE 247 PUBLIC ADDRESS AMPLIFIERS

Produce Amazing Volume With No Distortion Due to Use of Two Push-Pull Stages, and Give Remarkable Fidelity of Reproduction! An Excellent Radio Tuner, Phono Pick-Up, and Microphone Amplifier.

"Coast-to-Coast" Table Cabinet Model Electric Phono-graph and Amplifier



The amplifier incorporated in this combination is Model A-35 illustrated and fully described to the right. The cabinet itself is indeed beautiful enough in design, finish and construction to make it worthy of the most discriminating purchaser, with an appreciative eye for good furniture; it is made of the finest two tone walnut woods. The hinged top is so constructed that it allows ample room for the phono, pick up and can

accordingly be closed while in operation. The JENSEN DYNAMIC SPEAKER is properly baffled and will reproduce with thrilling realism, free from raspy sounds or distortion. A Tone Control, Volume Control and A.C. Switch are provided on the front panel.

Combines a Microphone and Radio Tuner 7½ Watt Amplifier, G. E. Electric Phono, Motor and a Phono. Pick-Up.

Cat. No. 6944. Complete, as described and illustrated—state tubes desired—Ready for Immediate Use. **\$56.90**



Cat. No. 6945. Same as above, but equipped with a COMBINATION 33⅓ and 78 r.p.m. Phono. Pick-up and Phono. Motor. **\$61.65**

Due to the unique circuit employed and tube arrangement, this amplifier is unusually well suited for MICROPHONE use. For the average requirements of a Public Address Amplifier, this model knows no superior. Suitable for sound trucks, cars, auditoriums, churches, schools, dance halls, etc. POWER CONSUMPTION: 80 Watts!

Models Available Requiring Latest Type Tubes

Our standard model employs 2—224A, 2—247, 1—280 tubes; however, we can furnish these amplifiers to use 227's, 56's, or 57's instead of the 224A's; 2—42 (Heater Type Pentodes) instead of 247's; an 82 or 83 Mercury Rectifier instead of the 280.

Specifications

Constructed upon a rigid and durable steel chassis (handsome black crystalline finish) 13¼ in. long, 9¾ in. wide, 8¾ in. high. The vital components, such as over-size power transformer, heavy duty filter condensers, audio transformers, filter chokes, etc., etc., are housed within readily removable steel cases. These amplifiers have been skillfully engineered throughout. The "Semi-Assembled" models are furnished FULLY ASSEMBLED but not wired, and the explicit diagrams furnished assure your successful completion of its simple wiring. Contain the following valuable features: Tone Control, Volume Control, Phono-Radio and Microphone Switch, A.C. Line Switch. The Standard Stock Model furnishes field excitation to a 1000 ohm Dynamic Speaker. Has 3 Twin Jacks, one for Radio Input, Phono. Pick-up or Microphone, and Additional Dynamic Speaker (A. C. type). Can be furnished to supply field excitation to up to 5 additional 2500 ohm type D.C. Dynamic Speakers. Connections to all the speakers are made by virtue of 5 prong speaker sockets and plugs located in the rear. Up to 5 A.C. type Dynamic Speakers may be used as well as the D.C. type Dynamics referred to, or, 100 Magnetic Speakers can be thusly used. A protective fuse block is self-contained. If you desire to use this Amplifier with an A. C. Dynamic Speaker (instead of a D. C. Type),



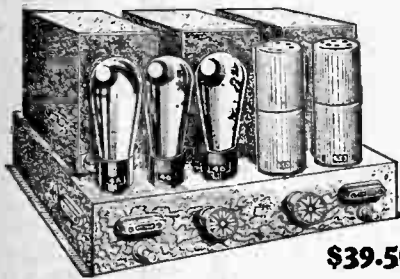
Undistorted Output: 7½ Watts

add \$3.50 to your remittance; if you wish to employ more than one D.C. Type Dynamic Speaker, to adapt the amplifier accordingly, include \$2.65 additional for each additional speaker you will use beyond the one D.C. Type. If you desire the amplifier to furnish "A-B-C" A.C. and D.C. voltage to ANY Radio Tuner, add \$4.75 to your remittance, and state the "A-B-C" voltage requirements of the Tuner in question. For 110-120 volts, 50-60 cycle A.C.; models available for all other voltage requirements. Requires a phono. input and microphone input transformer or preferably a "COAST-TO-COAST INPUT CONTROL BOARD.

Model A-35

Cat. No. 6939. Semi-Assembled. **\$21.50**
 Cat. No. 6940. FACTORY WIRED. **\$27.50**
 Ready for Immediate Use!
 Cat. No. 6941. Set of 5 RCA Tubes **\$4.53**
 (2—224A, 2—247, 1—280)
 Cat. No. 6942. 1000 or 2500 ohm MATCHED JENSEN 1½ in. diameter DYNAMIC SPEAKER **\$7.95**
 Cat. No. 6943. 1000 or 2500 ohm MATCHED WRIGHT DE COSTER 12 in. diam. DYNAMIC SPEAKER **\$14.50**

"Coast-To-Coast" Class "B" All Battery Operated Four Stage 10 to 25 Watt Output Phono-Microphone and Radio Tuner Sound Truck, Automobile or Auditorium Public Address Amplifier RCA Tubes Employed: 2-56, 3-46.



\$39.50

Remarkable Battery Drain Economy

Until the advent of the recently released 46 Tube, it was not feasible or economical to operate any large output Public Address Amplifier. However, this tube and its associate Class "B" circuit has made this much needed battery operated amplifier possible, for the following reasons: While no signal is impressed on the amplifier, the total "B" battery drain of all the 5 tubes employed herein is only 38 mls! While in operation, producing 25 watts, less than 160 mls. are required, whereas only 120 mls are required, if only 16 watts output is being produced, or, for that matter, the amplifier can be made to produce only 10 watts, and then it will only consume 102 mls! The total "A" filament drain from a car storage battery, if used for Sound Truck Purposes, is only 3½ Amperes! You will also require a 33 Volt "C" battery, which should last about one year.

CIRCUIT THEORY

An Input Jack is connected directly to the grounded Chassis, and to the grid of the 1st tube, (a 56), which in reality functions as a MICROPHONE or PHONO. PREAMPLIFIER. The "Coast-to-Coast" All Purpose Pub-

lic Address Control Units or phono, pick-up matching transformer, or microphone transformer can be directly connected to this input jack. A radio tuner is connected automatically to the 2nd 56 tube, by means of a switch. If desired, such input transformers can be self-contained within the chassis. The output of this tube is resistance coupled to a 56 second a. f. stage, which in turn is coupled to a Class "A" 46, third A.F. stage. The 46 Class "A" amplifier tube in this third A.F. stage is designed to supply the necessary grid swings of the two 46 Class "B" Push-Push Output Tubes, through a specially designed step-down transformer. The tremendous A.F. voltage peaks therein produced are fed through a specially designed, self-contained highly insulated, output transformer, having an output impedance of 4,000 ohms. In addition to this output transformer just mentioned, there is required another standard output transformer with a 2000-2000 ohm primary. It should be equipped with special tapped secondaries, only when more than one dynamic speaker is to be used.

Can Be Furnished with All-Purpose Output Transformer (2000-2000 Ohm Primaries) for All Types of Multi-Speaker Installations

This Amplifier can be used with a choice of HORN type Dynamic Speakers (such as Racon, etc.) or 6 volt (obtained from any storage battery) D.C. Cone Type Dynamic Speakers, Permanent Magnetic Dynamic Speakers (require no field excitation!) MULTI-SPEAKER INSTALLATIONS accomplish a two-fold all important valuable purpose, that of providing diversified sound distribution over large areas, and, at the same time, preventing blasting and rattle with subsequent possible speaker damage, inasmuch as the full outputs of the amplifier, with its high wattage peaks, will thusly not be confined to one Speaker unit. As a rule, the average horn or cone type dynamic Speaker is designed for 6 to 8 Watts continuous operation.

General Features

Constructed upon a sturdy and handsome black crystalline finished steel chassis, measuring 13¼ in. long, 9¾ in. wide, 8¾ in. high. The component parts are bolted to the metal chassis proper, and three separately removable steel Shields cover them. A pleasingly effective Tone Control and smoothly graduated Universal Volume Control serve a much needed purpose. Three separate Twin Jacks are provided, one for additional speakers, one for Phono-Pickup or Microphone, and the other for Radio Tuner Input. Two Switches are also provided, one for PHONO-RADIO (or microphone) selections, and one master battery switch. All audio frequency components are shielded and placed in strategic points, and wherever necessary, double shielded; and in addition, all a. f. circuits are heavily by-passed and filtered! All vital components, Output and Input Audio Transformers, etc. are Specially Designed for Specific Class "B" Operation Requirements!

Can Produce From 10 to 25 Watts!

To obtain greater wattage outputs, all that is necessary is to employ 250 Volts "B" for 10 Watts output; 300 Volts "B" for 16 Watts; and 400 Volts "B" for 20 to 25 Watts!!!

Battery Operated Class "B" Amplifiers Actually Excell in Performance That of A. C. Operated Amplifiers

This is due to the inherent characteristics of noiseless and hum-free battery sources of power supply!

Model A-26

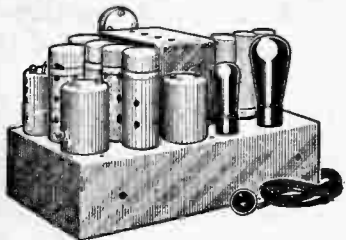
Cat. No. 7097. Fully Assembled. Unwired Complete, With Self-Explanatory Wiring Diagrams. **\$39.50**
 Cat. No. 7098. FACTORY WIRED—LABORATORY TESTED. Ready for Immediate use. **\$49.50**
 Cat. No. 7099. Set of 5 R.C.A. Tubes: 2-56, 3-46. **\$4.27**

FULLY ASSEMBLED (UNWIRED) OR FACTORY WIRED

"Coast-To-Coast" 7 Tube Automatic Volume Control—Push-Pull Detection—Visual Tuning—10 K.C. Super-Heterodyne Tuners

Incorporates Latest Innovations and Improvements of Both Electrical and Mechanical Nature . . . Represents Highest Possible Standards of Radio Tuner Design Perfection!

Available With or Without Self Contained A.C. Power Packs



Rear View

... greater amplification, and eliminates any distortion from creeping into the audio amplifier circuits! It is indeed an invaluable feature! Absolutely Attains Perfect 10 K. C. Selectivity and Produces Tremendous Volume—Free of Distortion and Possessing Remarkable Fidelity of Reproduction!

Unlike many other "supers" this model utilizes a Four Gang variable condenser with one special oscillator "tracker" section. The circuit comprises a valuable and fully effective Band Pass Filter R.F. Antenna Stage, requiring a 58 Variable Mu Tube; this is followed by a 56 Oscillator, both of which feed into a 58 Mixing Tube and Linear Power 1st Detector; then follows three accurately Laboratory Peaked 175 K. C. I.F. Transformers, coupled to two 58 Variable Mu Tubes followed by a 55 Duo Diode Detector (and Triode Amplifier and Automatic Volume Control)! The signal is so tremendously amplified by this time that it could be fed directly into a Magnetic Speaker, wherein considerable volume would be reproduced!

Can Be Coupled to Any Amplifier

This is the ideal Radio Tuner to employ with any Public Address Amplifier System—especially suitable for use in SOUND TRUCKS or in AUTOMOBILES, where antenna provisions are naturally limited! Due to their compact construction, these tuners lend themselves for installation in RACK and PANEL AMPLIFIER INSTALLATIONS. If you wish to modernize any old A. C. Receiver, we would suggest that you attach the output lead of one of these A. C. Operated Tuners to the INPUT terminal in the 1st A. F. Amplifier of the old receiver, retaining of course whatever A. C. Power Supply now is connected to the old receiver's amplifier. There is a big market for a CUSTOM ENGINEERED and CONSTRUCTED SUPER-HETERODYNE RADIO TUNER—this model knows no superior!

Contains Every Known Vital Improvement!

Sturdy cadmium plated chassis, 14 in. long, 7 3/4 in. wide, and 8 in. tall. The controls consist

of an A.C. Line Switch, an Automatic Volume Control, and a Single Vernier Illuminated Dial, of the latest Traveling "Ghost-Light" design (or any other type dial to suit your tastes!) These following features are included in addition to those previously mentioned: Two Piece Ventilated Aluminum Tube Shields; Massive Heavy Duty 50% Over-load Safety Factor A.C. Power Transformer, Filter Condensers, Filter Chokes, Voltage Dividers, etc.; high shielded, individually compensated, slit end plate variable condenser; Multiple Power Supply Filtering; extremely short R.F. leads, heavily by-passed and filtered; safety fuse Protective Block; no crowding of parts; shielded inductances; accessibility to all wiring, etc., etc.

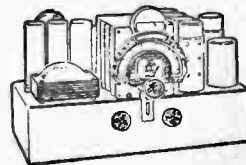
7 Tube A. C. Model "T-47"

Cat. No. 7088. Equipped with Self-Contained 110 volt, 50-60 cycle, A.C. Power Pack. Fully assembled. **\$27.50**

Cat. No. 7089. Same as Cat. No. 7088 but Factory Wired . . . ready for immediate use. **\$37.50**

6 Tube Model "T-48"—Less Power Pack

Cat. No. 7090. Less Power Pack. Requires External "A-B" Power Supply. May be used with any type of tubes, including 230 series and all battery operated series. Please state definite information. Fully assembled, but unwired. **\$23.50**



Front View

Cat. No. 7091. Same as Cat. No. 7090, but Factory Wired—Ready for immediate use! **\$29.50**

Employs R.C.A.'s Recently Released Tubes: 4-58, 1-56, 1-55, 1-280.

Modern Chassis Construction and Carefully Engineered Layout Assures Maximum Performance and Absolute Simplicity

The simple plans and diagrams included will enable any novice to successfully wire this remarkable receiver—and its performance will equal that of any factory built chassis! Here are some of its valuable features! Visual Meter Tuning: By watching the deflection of the indicator, you are automatically apprised when Perfect Resonance has been established—invaluable for elimination of distortion! Automatic Volume Control: Maintains equation of volume, not exceeding a certain degree, to suit your tastes—prevents undue blasting, greatly increasing your enjoyment of Radio! Push-Pull Linear Power Detection: Completely rectifies both carrier bands, permitting greater detection action, greater sensi-

"Coast-To-Coast" Two Stage Dual Push-Pull Triple Twin Phono-Radio Microphone 13 Watt Auditorium and Public Address Power Amplifier

Three Models Available Permit Universal Sound Truck, Automobile and Indoor Application

Model A-6 is entirely A. C. operated and is designed for use either on any 110 Volt, 50-60 Cycle A. C. source of supply, or, due to its remarkably low wattage consumption of only 85 watts, this model can also be employed with most any rotary converter, fed from either a 6 or 12 volt storage battery. Model A-7 amplifier is mainly designed for use in sound trucks and cars, where it is desired to employ the "COAST-TO-COAST" 65 WATT OUTPUT AUTO A. C. POWER SUPPLY; in that event, the filaments of all the tubes (except the rectifier) are heated DIRECT from the car storage battery, and the dynamic speaker employed should then be either of the 6 volt D. C. field type (connecting also to the storage battery) or, it should be the permanent magnet type. By lighting the tube filaments and employing the Speaker as just prescribed, 40 Watts less are necessary to be furnished by an automotive A. C. Power Supply! Model A-8 Amplifier is entirely battery operated, consuming 5 amps. at 6 volts, and 120 mills. at 260 volts (requiring 6—45 volt "B" batteries); the battery operated model ALSO PRODUCES 13 WATTS! In the latter model, a 6 volt D. C. (or permanent magnet) dynamic speaker is included, with respect to storage battery wattage consumption!

Mechanical and Electrical Features

Built upon a heavy gauge attractive black sbrivelled Steel Chassis of great rigidity. A bottom plate is furnished. All the vital component parts, such as Power Transformer Filter Chokes, Filter Condensers, and Interstage Audio Transformers, are bolted to the metal chassis proper, and three separately removable steel Shields cover them. The over-all dimensions of the chassis are 13 1/2 x 9 1/4 x 8 3/4 in. tall. The Power Transformer is air-cooled. A Triple Choke Filtering System employed assures Hum-Free operation and reproduction, even if a Radio Tuner is used with this Superb Amplifier. The Interstage audio transformers are designed to give a flat frequency response curve from 30 cycles up to 10,000 cycles.

A pleasingly effective Tone Control and smoothly graduated Universal Volume Control serve a much needed purpose. Three separate Twin Jacks are provided: one for additional speakers (of the A. C. Dynamic or Magnetic Types); one for Phono-Pickup or Microphone (or COAST-TO-COAST CONTROL BOXES), and the other for Radio Tuner Input. Two Switches are provided: one for the power line, one for Phono Radio. Provision is made on the rear of the chassis for the installation of up to 3 or 4 UY Sockets, to serve as terminals for either 3 or 4 additional D. C. dynamic speakers.

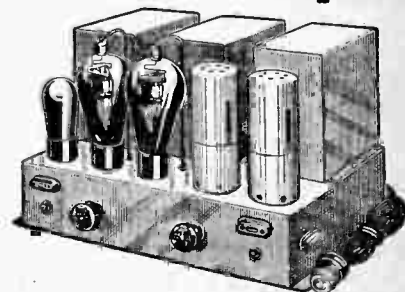
Provides D. C. Field Excitation to from 1 to 4 Dynamic Speakers

The standard model A-6 with wattage consumption figures above stated, furnishes field excitation to one 1,000 ohm D. C. Dynamic Speaker. On the other hand, it can be designed to furnish D. C. field excitation to as many as 1 to 4 2500 ohm Dynamic Speakers, of any type, at an additional charge of \$4.50 per each additional speaker employed, beyond one. If you do not care to use a D. C. Type Dynamic Speaker, on the Model A-6, and wish to use an A. C. Dynamic Speaker instead, or a 6 volt D. C. Dynamic or Permanent Magnet Dynamic Speakers, there is an additional charge of \$4.75 for this provision, and NOTE THAT THIS WILL CUT DOWN THE WATTAGE CONSUMPTION TO 57 WATTS, from 85 WATTS!

Models A-7 and A-8, deriving their field excitation from an external source, can be used with any number of speakers.

Specifications

Maximum Undistorted Output: 12.9 watts; Gain at 1000 cycles: 80 D. B. Frequency Characteristic Variation between 50 and 5,000 cycles: 2 1/2 D. B.; Power Consumption: 85 watts (Model A-6); Hum Level: Too insignificant to be heard; Input: TO GRID of first tube potentiometer. (Use Phono-Microphone or Line to Grid Input Transformers.) Output Impedance: 4,000 ohms.



All Amplifiers Below Listed are FACTORY WIRED and LABORATORY TESTED Ready for Immediate Use.

Model A-6

Cat. No. 7071. For 110 Volts, A.C., 50-60 cycles. **\$42.50**
Cat. No. 7072. TUBES REQUIRED: 2—57 RCA Tubes, 2—295 Triple Twin Tubes, 1—82 RCA Mercury Vapor Rectifier **\$6.84**

Model A-7

Cat. No. 7073. Requires 45 Watts of 110 volts, 50-60 cycles A. C. and 5 amps. at 6 volts D. C., and one 22 1/2 Volt "C" Battery **\$39.50**
Cat. No. 7074. TUBES REQUIRED: 2—236 RCA Tubes, 2—295 Triple Twin Tubes, 1—82 RCA Mercury Vapor Rectifier **\$8.18**

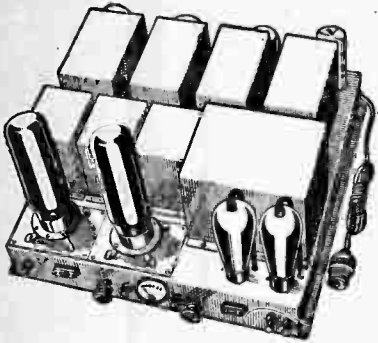
Model A-8

Fully Battery Operated

Cat. No. 7075. Requires 260 Volts "B" Battery, at 120 Mills., and 6 Volts D. C. at 5 Amps., and 1-22 1/2 V. "C" Battery **\$32.50**
Cat. No. 7449. TUBES REQUIRED: 2—236, 2-295 Triple Twin Tubes **\$7.40**

"COAST-TO-COAST" 50 WATT CLASS "A" DUAL PUSH-PULL 3 STAGE SUPER-POWER PUBLIC ADDRESS AMPLIFIER

Tubes Required in Voltage Amplifier Unit: 1-56, 2-46, 1-83 (or 82)
Tubes Required in Power Output Amplifier Unit: 2-845 (or 545), 2-866.



Embodies Latest Perfection in P. A. Amplifier Circuits

Consists essentially of two amplifiers, each having its own independent power supply, and each employing its own MERCURY RECTIFIER TUBES!

The standard model has a universal input impedance of 150,000 ohms; however, if desired, we can furnish this amplifier with an input impedance of either 50, 200 or 500 ohms. By matching the output of any Radio Tuner, Carbon, Condenser, Dynamic or Crystal Microphones, any Phono, Pick-up, Sound-on-Film or Sound-on-Record "Talkies", etc., this superb amplifier can be used therewith. The input is fed through a graduated Volume Control into a 1st A.F. stage 56 tube, the output of which is fed into a Class "A" Push-Pull stage employing two 46 tubes, which in turn are coupled to the two 845 FIFTY WATT TUBES, by means of a specially designed push-pull inter-stage transformer.

The output transformer has a 500 ohm line secondary winding and a 15 ohm winding, tapped at 4 and 8 ohms, making possible the use of 1, 2, 4, 6, 8, 16, etc., 8 or 15 ohm D.C. and A.C. types dynamic speakers (cone or horn types).

Other Valuable Features

Provided with TONE COMPENSATOR; Dual Action Power Supply Switches (essential for 866 Mercury Rectifiers); Individual Rheostats and Switches for each 845 Tube, for control of "C" Bias and simultaneous control of plate current of the 845 tubes. . . . a WESTON 0 to 100 Milliammeter is your accurate guidance for ob-

NOTE: We Can Furnish These Single or Double Channel 50 Watt Class "A" Amplifiers in Rack and Panel Form, as Listed Elsewhere in This Catalog

taining this necessary flexible control; all the vital units, such as power transformer, filter condensers, filter chokes, audio transformers, etc. are housed in separately removable steel shield cases; handsome black crystalline finish; rigid chassis construction, measuring 18 in. long, 18 in. wide, 8½ in. tall (exclusive of 50 Watt tubes). Each filter condenser lead in the 845 amplifier unit is wired in series with a protective fuse, and each amplifier unit itself is individually fuse block protected. Total wattage consumption: 425 Watts. For 110 Volts, 50-60 Cycles A.C.

Voltage Amplifier Unit Can Furnish D.C. Field Excitation to 1 to 6 1000 Ohm or 2500 Ohm RACON-RCA-Wright De Coster or Jensen Dynamic Speakers

The standard model is furnished without provision for D.C. field excitation, but, at a cost of \$4.75 per speaker we will include provision for D.C. Field Excitation. This includes an unique field excitation switching arrangement that permits your selection of as many speakers playing at one time, as desired, from 1 to 6 such speakers!

Produces Gigantic Volume With Thrilling Realism of Reproduction

Ideal for coverage of all huge outdoor gatherings, such as political meetings, stadiums, race tracks, sound trucks and for large auditoriums and convention halls seating up to 20,000 people! Exceptionally ideal for multi-speaker installations, for extreme diversification of sound, such as by means of 6 to 8 Racon or Jensen type units, each one producing its maximum continuous audio output power.

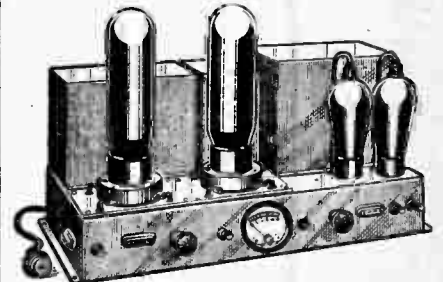
By employing suitable Racon Units and Directional Exponential Horns, amazing sound coverage is effected, ranging from ¼ to 3 miles, depending on locations!

Model A-41

Cat. No. 6896. Semi-Assembled, Unwired. **\$125.00**
 Cat. No. 6897. Fully Assembled and Factory Wired. Ready for Immediate Use. **\$150.00**
 Cat. No. 6898. Set of 8 RCA Tubes (2-845, 2-866, 1-56, 2-46, 1-82 (or 83)) **\$67.69**

(NOTE: You will require either 6 to 8 Racon, Jensen or Wright De Coster Dynamic Speakers, or, 2 Jensen 30 Watt Dynamic Speakers with This Amplifier installation.)

Convert Your Present Amplifier Into a 50 Watt Output Public Address Amplifier



TUBES REQUIRED:
2-845 (545) 50 Watt Tubes, and Two 866 Mercury Rectifiers

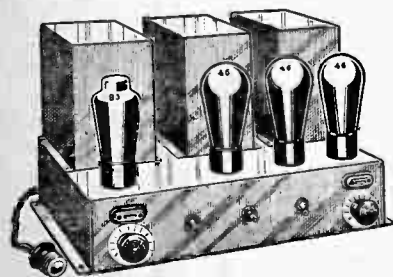
This unit is the identical one illustrated and described to the left—you will recognize it in the foreground of the illustration referred to. This 50 WATT UNIT can be connected to any push-pull (or single) power amplifier, by bringing two leads from the plates of the output tubes in your present amplifier to two binding posts on this 50 WATT UNIT. Very simple instructions are furnished—100% satisfaction is assured! Your amplifier will thus comprise and act as a substitute for the VOLTAGE AMPLIFIER UNIT described to the left. This 50 WATT UNIT can be attached to any amplifier (even a Radio Receiver!), employing one or two power output tubes, such as 171A, 245, 247, 250, 210, etc. When employing this 50 WATT UNIT, external provision has to be made for D. C. field excitation, for horn or cone type units. For a thorough and detailed description of this amplifier, you are referred to the description to the left.

Model A-40

Cat. No. 6936. Semi-assembled, Unwired. **\$99.50**
 Cat. No. 6937. FULLY ASSEMBLED and FACTORY WIRED. Ready for Immediate Use! **\$119.50**
 Cat. No. 6938. Set of 4 RCA Tubes (2-845, 2-866) **\$64.30**

"COAST-TO-COAST" 20-25 WATT CLASS "B" AUDITORIUM AND PUBLIC ADDRESS AMPLIFIER SUPER-POWER BOOSTER

Intended for Coupling TO ANY EXISTING RADIO RECEIVER OR POWER AMPLIFIER, Thereby Converting Same Into a 20-25 Watt Class "B" Amplifying System!



Essentially consists of the two last stages of either Model A-4 or A-5 (Cat. Nos. 7039 or 7042) as described on page — It takes only a few minutes for any novice to couple this Class "B" Push-Pull Amplifier to ANY Receiver or Power Amplifier all you have to do is attach the input adapters furnished with this unit under the power output tube (or tubes, in the case of push-pull outputs). In some cases, you actually connect these input adapters to the A.F. Stage tube preceding the power output stage. The only other

thing to do is disconnect your present speaker, by opening the voice coil thereof, in accordance with the utterly simple instructions furnished! What ever has been recommended as suitable speaker equipment with Models A-4 and A-5 Class "B" Amplifiers, applies exactly to these Models A-15 and A-16, as well as their corresponding Battery Operated brothers, Models A-15B and A-16B. We therefore refer you to the pages in this catalog on which are listed suitable speakers for this remarkable amplifier.

All Amplifiers Listed Below are FACTORY WIRED and Ready for Immediate Use!

Model A-15

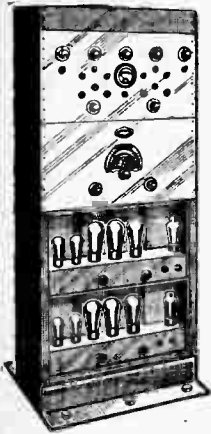
Cat. No. 7129. (This unit corresponds to Model A-4, Cat. No. 7039.) Requires 3-46, 2-82 RCA Tubes. WATTAGE CONSUMPTION: **\$59.50**
 90 WATTS
 Cat. No. 7130. Model A-15B. Same as Cat. No. 7129, but is FULLY BATTERY OPERATED. (RCA TUBES REQUIRED: **\$45.50**
 3-46)

Model A-16

Cat. No. 7131. (This unit corresponds to Model A-5, Cat. No. 7042.) Requires 3-46, 1-83 RCA Tubes. WATTAGE CONSUMPTION: **\$73.50**
 90 WATTS
NOTE: The Battery Operated Model Requires 250 Volts "B" to supply 13 WATTS Output, or, 400 Volts "B" to furnish 20 to 25 WATTS OUTPUT! (Draws only 35 mls. TOTAL with no Signal impressed on this unit!) In either case, 3½ amps. at 6 volts "A" (or 1½ amps., at 12 volts) is also required.

"COAST-TO-COAST" SINGLE AND DOUBLE CHANNEL RACK AND PANEL SERIES CLASS "A" AND CLASS "B" MICROPHONE, PHONO. AND RADIO AUDITORIUM PUBLIC ADDRESS AMPLIFIERS

Available in Single or Double Channel lass "A" 12.9, 14, 16, 25.8, 28, 32 and 50 WATTS UNDISTORTED OUTPUTS
—And In . . . Class "B" 20-25, 40-50 WATTS Undistorted Outputs



Front View—Showing Complete Installation of "Coast-to-Coast" P. A. Equipment. Control Panel, Super-Heterodyne Tuner Panel, 40-50 Watt Double Channel Class "B" Amplifier. The change-over takes a second! . . . by throwing one switch!

Single Channel (Employing One Amplifier) Rack and Panel Systems are preferred by its users for the reason that it constitutes a ONE UNIT Arrangement of a complete P. A. Equipment in the smallest possible space, offering the advantage of localized control. Dual Channel Rack and Panel Amplifier Installations require TWO DISTINCT Amplifiers, which feature provides for TWICE THE UNDISTORTED OUTPUT OF ONE AMPLIFIER, or, provides for holding one amplifier in reserve, to provide uninterrupted programs, should a tube suddenly break down in the amplifier in service. The change-over takes a second! . . . by throwing one switch!

A Rack and Panel Installation Can Be Purchased in Units

Essentially, the rack and panel itself is composed of a heavy gauge angle iron super-structure frame firmly strengthened by means of cross pieces of angle iron at the top and bottom, the whole affair being unusually solidly assembled by the generous use of over-size bolts, nuts and lock-washers. For floor mounting purposes, there are provided two 1/2 in. thick angle stock brackets—if desired, however, the rack and panel does not have to be necessarily bolted to the floor, as the mounting platform extends 20 in. on the floor from front to back. The over-all heights, available are: 45 in. (Ideal for Sound Trucks or Cars), 63 in. and 77 in. They are 19 in. wide (employing standard panels) and 10 in. deep (behind the instrument panels). Duralumin Panels are employed—this metal is an alloy of

unusual strength, yet possesses low weight and has the appearance of being calcium plated steel—very easy to drill through! It is obtainable in any height, in standard widths of 19 in. Shelves are also obtainable as listed below. The rack and panel frame is separately obtainable, and if desired, we can furnish in single units, or a complete installation, comprising a "COAST-TO-COAST" ALL-PURPOSE INPUT CONTROL PANEL, a "COAST-TO-COAST" Super-Heterodyne Tuner Panel, and your choice of any "COAST-TO-COAST" CLASS "A" or Class "B" Public Address Amplifier, as listed in this catalog. The Input Control Panel is identical in all electrical characteristics to our Cat. No. 7062 Control Box, as listed on page 20. The Super-Heterodyne Tuned Panel is the IDENTICAL one as listed under Cat. No. 7089, on page 15. If you only intend to employ one amplifier in the 45 in. tall rack, we can provide a special shelf that permits mounting of an electric phonograph motor mechanism and pick-up within the vacant space. In the case of the 63 in. and 77 in. tall models, there is ample space for this provision, even when employing two amplifiers!

How Two Amplifiers Can Be Employed

Assuming you are installing a dual channel amplifier rack, the following will interest you. A switch on the INPUT CONTROL panel permits the optional use of EITHER or BOTH AMPLIFIERS OPERATING AT ONE TIME, from a common Input source, such as a phono, pick-up, microphone or Radio Tuner. If two amplifiers are playing at one time, the resultant volume is exactly doubled, and inasmuch as each amplifier will be equipped with its own required amount of Speakers for safe sound output dissipation, each individual speaker is fed NO MORE and NO LESS AUDIO OUTPUT, when both amplifiers are operating at the one time. If two 20-25 Watt Class "B" Models A-4 or A-5 are employed, and both are operating at the one time, and assuming you have installed say four Wright De-Coster dynamic Speakers on EACH such amplifier, the dual channel use of these amplifiers will enable the use of EIGHT SPEAKERS, EACH ONE REPRODUCING APPROXIMATELY SIX WATTS, thereby providing enormous area sound coverage. Naturally, by feeding each Speaker only 3 WATTS, then 16 SPEAKERS CAN BE FUNCTIONING, Etc.

Sturdy and Modernized Rack and Panel Construction

The sides of these frames are furnished with hinging doors, to permit ready access to any part of the interior. The entire surface of the sheet metal is perforated, to provide maximum ventilation.

45 In. Tall Model Is Splendidly Suited For Sound Truck or Auto. Installation

The constant thought in the design of this rack and panel was to make it as compact as possible for installation wherever space is at a premium, as in sound trucks. There especially does the exclusive advantage of completely localized control prove its merits. Bear in mind that you can affect a rental of these remarkably efficient P.A. Systems by installing a Rack and Panel Single or Double Channel Amplifier in your Sound Truck, and drive up to the rental destination, at which point suitable rubberized Simplex insulation cables can be strung from the Sound Truck to within a building if that is where the rental has been contracted for. For further convenience, portable dynamic speakers installed within suitable portable Celotex Baffed cases, as listed in this Catalog, may be employed.



Rear View—Note Ready Accessibility to All Apparatus

Any Novice Can Install and Operate a "COAST-TO-COAST" RACK and PANEL AMPLIFIER

The utter simplicity of the installation and operation of any of these P.A. Systems makes this equipment highly desirable. Break-downs are an exception, and not the rule. . . . Simple instructions furnished will assure you of complete satisfactory and uninterrupted performance, making these amplifiers especially valuable to Theatres, Restaurants, Dance Halls, Churches, Faneris, Parlors, Stadiums, Conventions, Fair Grounds, Political Gatherings, All Sound Truck applications, etc., etc.

For Explicit Details and Information Relative to Each of the Separate Units Herein Employed, Please Refer to Their Individual Descriptions Throughout This Catalog!

Rack and Panels (Available Separately Less Any Apparatus)

- Cat. No. 7112. 45 in. Tall Rack and Panel Frame, less Panels and Shelves **\$26.50**
- Cat. No. 7113. 63 In Tall Model **\$39.50**
- Cat. No. 7114. 77 In. Tall Model **\$48.50**
- Cat. No. 7115. Standard Shelves **\$4.50**
- Cat. No. 7116 Standard Panels available any height, 19 in. wide only. Cut To Order, PER SQUARE INCH. **2c**
- Cat. No. 7117. PHONO-MOTOR BRACKET **\$7.50**

"Coast-to-Coast" Rack and Panel Control Panel

Cat. No. 7117. ALL-PURPOSE CONTROL PANEL (See Description of Cat. No. 7062 on page 20.) 10 inches Tall, 19 inches wide. **\$34.50**

"COAST-TO-COAST" Rack and Panel Super-Heterodyne Tuner Panel

Cat. No. 7119. SUPER-HETERODYNE 7 Tube A.C. Operated Tuner (See Description of Cat. No. 7089 on page 15.) 10 in. Tall, 19 in. wide **\$37.50**

Complete Rack and Panel Public Address Installations

We below list complete combinations (less tubes) that enjoy the widest sale among our Trade—you can, of course, order from us, your own version of an installation to better suit your requirements, by ordering separate units.

Model RPA 17 Rack and Panel Installation

Furnished Completely Installed—Ready For Immediate Use. Includes the Following:

- Cat. No. 7118. INPUT Control Panel
- Cat. No. 7112. Rack and Panel FRAMEWORK.
- Cat. No. 7119. SUPER HETERODYNE A.C. OPERATED TUNER PANEL, with mounting shelf.
- Cat. No. 7120. **\$98.50**

Model RPA-18 14 Watt

Single Channel Class "A" Rack and Panel Public Address System

- Cat. No. 7121. Consisting of one Model A-1 Cat. No. 6996 Amplifier and one Cat. No. 7120 Model R. P. A. 17 above **\$151.00**

Model RPA-19 28 Watt

Double Channel Class "A" Rack and Panel Public Address System

- Cat. No. 7122. Consists of TWO Model A-1 Cat. No. 6996 Amplifiers—and Cat. No. 7120 Model R. P. A. 17 above **\$203.50**

Model RPA-20 20-25 Watt

Single Channel Class "B" Public Address System

- Cat. No. 7123. Consisting of ONE Cat. No. 7042 Model A-5 Class "B" Amplifier, and Cat. No. 7120 R. P. A. 17 above listed. **\$187.00**

Model RPA-21 40-50 Watt

Double Channel Class "B" Public Address System

- Cat. No. 7124 Consisting of TWO Cat. No. 7042 Model A-5 Class "B" Amplifiers, and Cat. No. 7120 Model R. P. A. 17 above listed. **\$275.50**

Model RPA-22 50 Watt

Single Channel Class "A" Public Address System

- Cat. No. 7125. Consisting of One Cat. No. 6897 Model No. A-41 Class "A" Amplifier, and Cat. No. 7120 Model R. P. A. 17, above listed. **\$248.50**

"COAST-TO-COAST" COMPLETE AUDITORIUM AND PUBLIC ADDRESS AMPLIFIER INSTALLATIONS

As Public Address Amplifier Installation Specialists, The House of "COAST-TO-COAST" is in the best position to offer suggestions relative to suitable P. A. installation equipment. The Public Address Systems below listed represent three complete installations for which there has been the greatest demand. You will note that they range in undistorted wattage outputs in a wide enough variety to make one of the complete P. A. Installations best suited to serve your sound coverage requirements. For the sake of avoiding needless repetition, the separate com-

ponents embraced within each installation, such as Power Amplifiers, Control Boxes, Microphones, Etc. are not described below, but mention is made to the catalog number of each apparatus included, so as to enable you to refer to each individual description in this catalog. Each outfit has been attractively priced, and accordingly represents a substantial saving. Complete detailed installation instructions and diagrams are furnished, actually enabling any novice to install the equipment in very little time and with every success! All these amplifiers are FACTORY

WIRED and Laboratory Tested—Ready for Immediate Use! For obvious reasons, we do not include in any of the P. A. Systems below listed the following incidental accessories, as they represent an unknown quantity to us: Microphone Cable, Speaker Extension Cable, Etc. If you desire to substitute any of the equipment for other apparatus listed in our catalog, you are at liberty to do so—merely deduct the cost price of the item you do not desire, and add on the cost of the preferred item of equipment you have selected in its place.

NOTE: we will permit minor changes as to your preferential equipment requirements at no additional cost.

"COAST-TO-COAST" 20-25 WATT CLASS "B" AUDITORIUM PHONO-MICROPHONE-RADIO TUNER P. A. AMPLIFIER INSTALLATION

\$26000

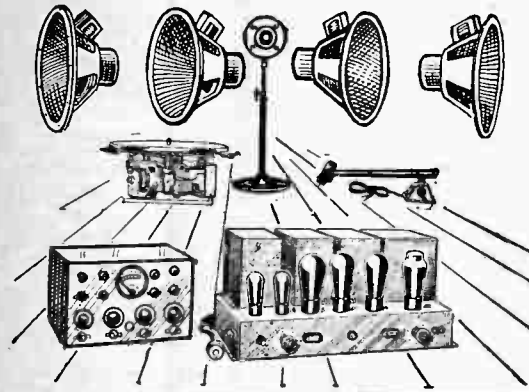
Each One of the Four WRIGHT DE COSTER DYNAMIC SPEAKERS Provides 5 to 6 Watts Undistorted Output—Can Be Situated ANY DISTANCE from The Amplifier and Individually Controlled.

Model PA 1-23 Public Address Installation

The COMPLETE 20-25 WATT CLASS "B" P. A. INSTALLATION HEREWITH ILLUSTRATED CONSISTS OF THE FOLLOWING EQUIPMENT:

1	Cat. No. 7041.	Model A-5 "COAST-TO-COAST" Class "B" Amplifier.....	\$88.50
		Additional for Providing D. C. Field Excitation.....	11.25
1	Cat. No. 7043.	Set of 6 R.C.A. Tubes: 2-56, 3-46, 1-83.....	5.81
1	Cat. No. 7062.	"COAST-TO-COAST" ALL PURPOSE INPUT CONTROL BOX.....	34.50
1	Cat. No. 6357.	"COAST-TO-COAST" Combination 33 $\frac{1}{3}$ and 78 R.P.M. Phono. Motor.....	14.75
1	Cat. No. 6358.	"COAST-TO-COAST" COMBINATION 33 $\frac{1}{3}$ AND 78 R.P.M. PHONO. PICK-UP.....	8.95
1	Cat. No. 5760.	"COAST-TO-COAST" BROADCAST STUDIO DOUBLE BUTTON MICROPHONE.....	27.50
1	Cat. No. 6346.	72 Inch Tall Telescope Microphone Stand.....	12.95
4	Cat. No. 6956.	WRIGHT DE COSTER MATCHED D. C. DYNAMIC SPEAKERS.....	58.00
1	Cat. No. 7044.	MATCHED OUTPUT—VOICE COIL IMPEDANCE TRANSFORMER.....	9.75
		Total.....	\$271.96

Cat. No. 7143. SPECIAL OFFER..... **\$260.00**



"COAST-TO-COAST" 14 WATT CLASS "A" AUDITORIUM PHONO-RADIO TUNER AND MICROPHONE P. A. AMPLIFIER INSTALLATION

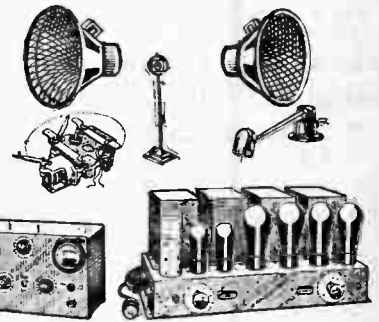
Each One of the Two WRIGHT-DE COSTER DYNAMIC SPEAKERS Provides 7 WATTS Undistorted Output—Two or More Additional Speakers May Be Employed

MODEL PA 1-24 Public Address Installation

THE COMPLETE 14 WATT CLASS "A" P. A. INSTALLATION HEREWITH ILLUSTRATED CONSISTS OF THE FOLLOWING EQUIPMENT:

1	Cat. No. 6996.	Model A-1 "COAST-TO-COAST" Class "A" Amplifier.....	\$52.50
		Additional, for Providing D. C. Field Excitation.....	3.75
1	Cat. No. 6997.	Set of R.C.A. Tubes: 1-224A or (1-57), 2-56, 2-250, 2-281.....	13.20
1	Cat. No. 7064.	"COAST-TO-COAST" ALL-PURPOSE INPUT CONTROL BOX.....	19.75
1	Cat. No. 5422-A.	Combination 78 R.P.M. and 33 $\frac{1}{3}$ Elec. Phono. Motor.....	10.75
1	Cat. No. 5431.	Combination 33 $\frac{1}{3}$ and 78 R.P.M. Phono. Pick-up.....	7.95
1	Cat. No. 6829.	Double Button Carbon Microphone.....	24.50
1	Cat. No. 6346.	72 In. Tall Telescope Microphone Stand.....	12.95
2	Cat. No. 7002.	WRIGHT DE COSTER D. C. DYNAMIC SPEAKERS.....	29.00
1	Cat. No. 7044.	Matched Output—Voice Coil Impedance Transformer.....	9.75
		Total.....	\$184.10

Cat. No. 7144. SPECIAL OFFER..... **\$175.00**



"COAST-TO-COAST" 7 1/2 WATT CLASS "A" SMALL AUDITORIUM PHONO-RADIO TUNER-MICROPHONE P. A. AMPLIFIER INSTALLATION

\$8500

MODEL PA 1-25 PUBLIC ADDRESS INSTALLATION

THE COMPLETE 7 $\frac{1}{2}$ WATT CLASS "A" P. A. INSTALLATION HEREWITH ILLUSTRATED CONSISTS OF THE FOLLOWING EQUIPMENT:

1	Cat. No. 6940	"COAST-TO-COAST" Class "A" Dual Push-Pull Pentode Amplifier.....	\$27.50
1	Cat. No. 6941	Set of R.C.A. Tubes: 2-57, 2-247, 1-82.....	\$ 4.53
1	Cat. No. 7064	"COAST-TO-COAST" INPUT CONTROL BOX.....	\$19.75
1	Cat. No. 2957	GENERAL ELECTRIC PHONO. MOTOR.....	\$ 7.95
1	Cat. No. 5431	Phono. Pick-Up.....	\$ 7.95
1	Cat. No. 5505	Model "X" Universal Double Button Microphone.....	\$ 5.88
1	Cat. No. 1823	72 In. Tall Telescope Microphone Stand.....	\$ 7.95
1	Cat. No. 6942	JENSEN "CONCERT" DYNAMIC SPEAKER With Matched Impedance Output Transformer.....	\$ 9.95
		Total.....	\$89.46

Cat. No. 7145. SPECIAL OFFER..... **\$85.00**

(NOTE: If you desire a Combination 33 1/3 and 78 R.P.M. Phono. Motor and Pick-Up, include \$2.00 additional)



Janette Filter Equipped "Auto-B-Power" Units

Has a dynamically balanced armature; thus it runs with a minimum of vibration. Virtually inaudible when placed under the hood, floor boards or seats. Requires but little room—measures only 12 x 6 x 5½ in. Due to an effective Filter, radio reception with this "Auto-B-Power" rivals that obtainable with dry batteries. A dynamically balanced armature with ball bearings and fully enclosed construction assure quiet operation. The dynamotor, or current-transforming unit, is built with a steel frame and laminated steel pole pieces. Requires practically no attention beyond lubrication once a year. The dynamotor itself is fully enclosed, and the complete unit is enclosed in a splash-proof steel box. Double-wound dynamotor delivers pure D. C. in a continuous flow, similar to battery current. Equipped with a variable voltage divider and taps. Maintains a constant ratio between the "B" voltage and the tap voltage; thus preventing distorted reception due to unbalanced voltage.



Cat. No.	In-p. Volt- age	Out-p. Volt- age	Battery Drain in Amps.			Complete with a Variable Voltage Divider and Extra Taps	\$24-75
			At 25 M.A.	At 40 M.A.	At 50 M.A.		
5682	6	135	2.3	2.8	3.0		
5683	6	180	2.5	3.0	3.5		
5684	12	135	1.15	1.4	1.5		
5685	12	180	1.25	1.5	1.75		

Sterling "R-81" 180 Volt "B" Eliminator



Operates 3 to 8 tube sets (including power tubes). Uses BH type rectifying tube. Has four terminals and "on and off" switch. All voltages are variable with perfect power regulation. Operates from 110-120 volt, 50-60 cycle A. C. current. "Sterling" is known for the excellence of its products and its dependable performance. This one is admittedly one of the best procurable. Size: 7½ x 4½ x 5½ in. Weight: 10½ lbs.

Cat. No. 5729..... **\$6.75**
(Raytheon Tube, \$2.25 additional)

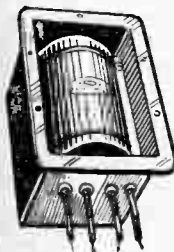
Auto "B" Power Unit Delivers 180 Volts D. C., 40 M. A.

Consists of an efficient dynamotor and filter, mounted on a steel base plate, protected by a removable metal cover, 8¾ in. long, 7¾ in. wide, 6 in. high. Operates from standard six volt "A" battery and delivers 180 volts 40 M. A. D. C. current. Approximately 2 amperes. Dynamotor is rubber mounted to eliminate all vibration and noise.



Cat. No. 5679..... **\$17.49**

"Pines-Winterfront" Automobile "B" Power Eliminator



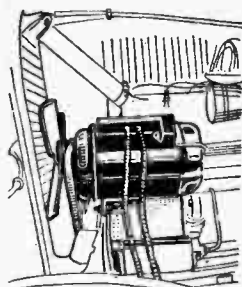
It consists of a very efficient motor in combination with a rotary transformer. It receives its operating current from the regular car 6 Volt "A" battery. Delivers a smooth D. C. voltage to the radio set. The motor and transformer shaft is journaled in highest quality oil-packed ball bearings, and the entire unit is encased in a dust and moisture proof housing. Water, slush or extremes of temperature do not in any way affect its operation or efficiency. The installation is very simple as the space required is only 5¾ in. x 8 in., and is 6¼ in. deep. No cutting of floor boards or other alterations are necessary. It requires approximately one-third of the space required for ordinary "B" batteries.

Cat. No. 5680. Output 135 Volts, 30 M. A. **\$19.95**
Cat. No. 5681. Output 180 Volts, 30 M. A. **\$21.75**

"Coast-To-Coast" Combination Automobile or Sound Truck GENERATOR Producing Optional Choice of 6 Volts D. C. and 110 Volts 60 Cycles A. C. 200 to 450 Watts

Driven by Fan Belt—Draws NO CURRENT from Auto Storage Battery! Governed Clutches Maintain Even and Constant Voltage Irrespective of Speed of Car Motor!

Excellent for SOUND TRUCKS and AUTOMOBILES



This extremely valuable device replaces the present car generator, which only furnishes D. C. current for charging the car storage battery. Occupies very little more space, approximately 15¼ in. long plus 2 in. for the ¾ in. diameter shaft. Overall diameter approx. 7½ in. **Unique and Effective Voltage Regulation Arrangement** These machines are furnished with a special friction clutch which holds the speed of the generator at 1800 RPM when the source of power driving it increases in speed. The machine should be geared or belted, using such a gear ratio or pulley sizes that it will operate at at least 1800 RPM when the driving engine is operating at the lowest speed at which it will operate when the equipment is being used. As the engine speed increases, the clutch will hold the generator speed down to 1800 RPM.

Requires No Trouble to Install in Any Truck or Car

A convenient way of mounting one of these machines on the automobile is to support it from the engine by means of some sort of bracket, placing it so that the pulley of the generator lines up with the fan belt. A "V" belt may then be used for driving the generator, the same belt being used for the fan, the single belt passing over the three pulleys.

The machine is furnished totally enclosed, and ribs are cast in the clutch housing for cooling. The machine should be mounted where it will receive some external ventilation, such as from the fan of the engine. A direct current winding is supplied for furnishing its field excitation, and this direct current winding may also be used to charge the car storage battery. The total output of the machine, including A. C. and D. C. should not exceed the rated output. It is ABSOLUTELY FOOL-PROOF IN OPERATION AND FULLY GUARANTEED!

Cat. No.	Total Watt Output	Current Furnished	Your Cost
6284	200	6 volts D. C. & 115 volts, 60 cycle A. C.	\$117.50
6285	350	6 volts D. C. & 115 volts, 60 cycle A. C.	\$120.50
6286	450	6 volts D. C. & 115 volts, 60 cycle A. C.	\$144.50

NOTE: If the 6 Volt D.C. Winding is not necessitated, the available A.C. Wattage is increased proportionately.

Janette Rotary Converters Transforms 6-12-32 and 110 Volts D. C. Into 110 Volts 60 Cycles A.C.

Extreme compactness and rugged construction permits their installation in sound trucks and automobiles. Require little or no attention, and are fully dependable. All "COAST-TO-COAST" amplifiers listed in this catalog state their wattage consumption—select that converter which furnishes sufficient OUTPUT WATTS. If you are NOT employing a radio tuner, you have no occasion for a self-contained filter. Shipment of ALL Janette Converters can be made from Chicago or New York.



6 Volt D.C. to 110 Volts 60 Cycle A.C.

Cat. No.	Output Watts	Input Amps.	With Filter		Less Filter	
			Your Cost	Your Cost	Your Cost	Your Cost
6245	20	9.0	\$26.25	\$20.58		
6246	30	14.0	27.75	22.05		
6247	40	16.0	39.40	34.55		
6248	60	22.0	45.35	38.22		

12 Volts D.C. to 110 Volts 60 Cycle A.C.

Cat. No.	Output Watts	Input Amps.	With Filter		Less Filter	
			Your Cost	Your Cost	Your Cost	Your Cost
6249	20	4.5	\$26.25	\$20.58		
6250	30	7.0	27.75	22.05		
6251	80	15.0	39.40	34.55		
6252	120	19.5	45.35	38.22		
6253	160	22.0	60.75	48.50		

32 Volts D.C. to 110 Volts 60 Cycles A.C.

Cat. No.	Output Watts	Input Amps.	With Filter		Less Filter	
			Your Cost	Your Cost	Your Cost	Your Cost
6254	110	6.5	\$35.00	\$31.24		
6255	150	8.5	38.75	34.92		
6256	300	15.0	53.00	44.10		
6257	400	19.0	87.22	58.80		
6258	600	29.0	105.84	91.14		

115 V.D.C. to 110 V. 60 Cycles A.C.

Cat. No.	Output Watts	Input Amps.	With Filter		Less Filter	
			Your Cost	Your Cost	Your Cost	Your Cost
6259	110	1.9	\$35.00	\$31.24		
6260	150	2.4	38.75	34.92		
6261	300	4.0	53.00	44.10		
6262	500	6.4	69.82	58.80		
6263	1250	16.5	134.13	119.39		
6264	1750	20.0	165.37	150.25		

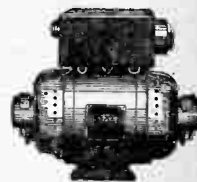
NOTE: Other models, not above listed, also available—write for details!

Esco Sound Truck—Auto— and Home Use Rotary Converters

Transforms 6-12-32 and 110 Volts D.C. Into Perfect 110 Volts 60 Cycles A.C.

Equipped with Fully Effective Filters—producing no objectionable noises in Speakers.

Completely protected construction—ideal for sound truck installation. Convenient plug receptacles. Rugged mechanical construction. Wool packed bearings requiring very little attention!



Cat. No.	Input Volts	Output Watts	Input Amps.	Your Cost
6266	6	40	16.0	\$37.29
6267	12	80	15.0	40.13
6268	12	150	21.0	56.25
6269	32	150	8.5	42.53
6270	32	200	11.5	46.99
6271	32	300	15.0	51.45
6272	32	400	19.0	63.12
6273	115	120	2.0	34.30
6274	115	200	3.0	45.62
6275	115	300	4.0	49.40
6276	115	400	5.0	60.37
6277	115	500	6.4	63.12

NOTE: Other models, not above listed, also available. Write for details!

If you do not intend to employ a Radio Tuner, you do not exactly require a filter built in with these Rotary Converters. In that event, you may deduct 10% from the net prices above shown, if the filter feature is not desired.

Esco Gasoline Driven Electric Power Supply

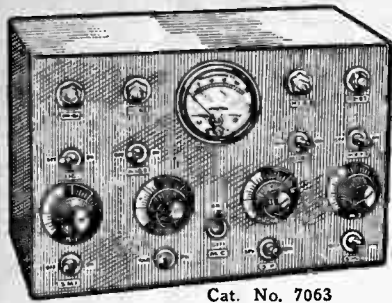
Producing 110 Volts 60 Cycles A. C.

Ideal for Sound Trucks, Home Elec. Plant, Fair Grounds, Athletic Fields—or wherever public utility A.C. Lines are not available.

Cat. No.	Output Watts	Your Cost
6278	250	\$117.60
6279	500	145.60
6280	1500	245.60

NOTE: We can furnish other models furnishing up to 10,000 VOLT-AMPS. OUTPUT—also available in 110 or 220 volt D.C. output (up to 10,000 watts) models.

"Coast-To-Coast" Weston Meter Equipped All-Purpose Public Address Amplifier Control Board



Cat. No. 7063

Permits Matched Coupling to Any Amplifier of ONE or TWO Pick-Ups and ONE or TWO Double Button or One to Four Condenser Microphones.



Cat. No. 7063
Rear View

Permits Any Degree Volume of Speech or Music To Be Super-Imposed Over Phono. or Radio Reproduction. Controls the Volume of Phono. Microphone or Radio Independently! Ideal for Speech-making with a Musical Background, Furnished by Either Phono-Records or Radio Tuner!

Offers the exclusive and valuable convenience of placing any power amplifier out of sight yet maintaining a complete and fully flexible control of it. This Control Box has been primarily designed to obtain optimum microphone, radio and phonograph reproduction, individually or simultaneously! For this purpose a low resistance 0 to 25 Weston millimeter, a rheostat and a switch are incorporated into each microphone button circuit. They form the 8 controls shown in the upper front half of the control unit. This permits a perfect and equal current and sensitivity adjustment for each side of the microphone, which is the desired condition for successful push-pull input amplification. The meter is only connected in the circuit when the proper jack switch is closed, thereby eliminating any losses. The four controls are the following: Microphone No. 1 Volume Control; Dual Phono. Pick-Up Fader; Phono. or Radio Volume Control; Microphone No. 2 Volume Control. Note this valuable feature . . . each control just mentioned is connected in series with a switch; for the purpose of disconnecting any control, when same is not actually in use, thereby assuring maximum efficiency!

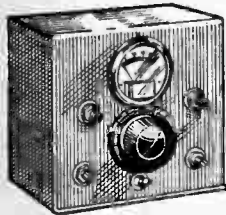
The Fader control permits the "fading" of one phono. pick-up into another one, permitting the change over from one record to another without interruption. A Special phonograph pick-up impedance matched input transformer is self-contained. (Specify whether a low or high impedance pick-up is to be used.) A switch gives the choice of phono. pick-up or radio tuner input to the amplifier. These Control Boxes are furnished with microphone transformers for either

200 or 100 ohms per button (specify whether 100 or 200 ohm single or double button microphones are to be used.) The dual potentiometers and switches provided for each microphone and phono-radio circuits give complete control of every channel without affecting each other. The rheostats and dry cell battery circuit are heavily by-passed to insure faithful reproduction. There is also contained a microphone current switch, for conserving current drain when not in use. The rear view shows two rows of binding posts for the only two leads that go to the amplifier, one set of binding posts for the dry cell (3 to 6 volts, or storage battery of a car), and one set of binding posts for the Radio Tuner Output Connections. The lower 2 jacks are for insertion of one or two phono. pick-up leads. This control board is recommended to be used with a shielded output cable, which can be connected into the input circuit of any amplifier. However, if this control unit is to be placed more than 50 feet away from the amplifier, an "output to Line" Transformer can be incorporated in the interior of this unit. (A line to grid transformer should then be used at the amplifier input. Enclosed in a handsome finished steel case (fully shielded!) measuring 10 in. long, 7 in. deep, 6 1/2 in. tall.

Cat. No. 7062. For One Double Button "Mike" (or Two Single Button) **\$34.50**
Cat. No. 7063. For Two Double Button "Mikes" (or Four Single Button) **\$41.50**

"Coast-to-Coast" WESTON METER EQUIPPED Microphone Control Input Stage

Available with 100 or 200 Ohm per Button Microphone Transformer, For Either Single or Double Button "Mikes." Also Ideal For Use With Condenser or Dynamic Microphones.



Cat. No. 7066-R

Permits distortion free transfer of sound waves into electrical impulses to be fed into any conventional audio amplifier, with every assurance of maximum efficiency. A WESTON 0 to 25 MILLIAMMETER (low resistance) is provided—this, in conjunction with individual rheostats in each microphone button circuit provide accurate balance of current in each button, thereby preventing distortion. Note that switches are also provided to cut the meter into any one of the microphone button circuits, offering convenient flexibility and at the same time disconnecting the meter when not in use. The center knob (dual potentiometer) gives perfect volume control—two controls are provided for use in two double but-

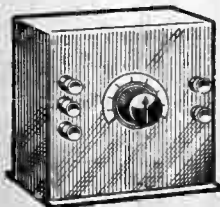
ton microphone models. A switch turns on and off the battery current. Handsomely encased in a handsomely finished metal shielded box, measuring 6 in. long, 3 3/4 in. deep, 5 1/2 in. high. The shielding effect is of great value, as it permits any placement of this unit. All connections to and from this device are made on the rear panel.

Cat. No. 7066. For a Double Button or Two Single Button "Mikes" **\$16.50**
Cat. No. 7067. For Controlling One or Two Double Button (or 1 to 4 Single Button "Mikes.") 100 or 200 Ohm per Button Microphones **\$19.50**

Readrite Meter Equipped

Cat. No. 7066-R **\$12.75**
Cat. No. 7067-R **\$15.75**

"Coast-to-Coast" Condenser, Dynamic or Double Button Carbon Microphone Input Stage



Can be used in conjunction with all amplifiers and receivers, to which it is desired to couple any type microphone. It contains a microphone transformer, (for 100 or 200 ohms buttons or for 100, 200 or 400 ohm lines), a button current control rheostat with self-contained battery on-off switch. Covers wide

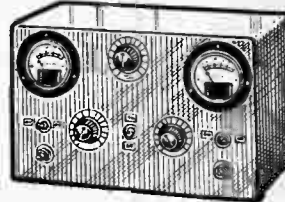
frequency range. Completely Shielded—prevents feed-back! Ample space for inclusion of self-contained battery. 6 in. long, 4 in. wide, 5 1/2 in. tall.

Cat. No. 7068. For One Single Button Microphone **\$3.75**
Cat. No. 7069. For One Double Button Microphone. (Also Ideal for Two Single Button "Mikes.") **\$5.25**

Be Sure to Mention Microphone Resistance Value, 100 or 200 ohms

"Coast-to-Coast" Junior Model All-Purpose Public Address Control Board for All Types of Carbon-Condenser and Dynamic Microphones

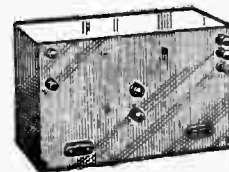
Permits Any Volume of Speech To Be Super-Imposed over phono. Record or Radio Reproduction. Control the volume of Each One Independently! Ideal for Speech Making with a Musical Background, furnished by either Phono-Records or Radio Tuner!



Cat. No. 7064

This instrument has been primarily designed to accurately match the impedance of microphones, phono. pick-ups and Radio Tuner Inputs, controlling them individually or simultaneously! For this purpose a 0-25 millimeter and a rheostat are inserted into each microphone button circuit. This permits a perfect and equal current and sensitivity adjustment for each side of the microphone, which is the desired condition for successful push-pull input amplification. The three controls are for Microphone Volume Control, Phono-Radio Volume Control and Single or Dual Pick-Up Fading. These Controls are of the Dual Potentiometer type, and as such, the various circuits do not affect each other. A special phonograph pick-up impedance matched input transformer is self-contained. (Specify whether a low or a high impedance pick-up is to be used). The rheostats and dry cell are heavily by-passed to insure faithful reproduction. There is also contained a microphone current switch, for conserving current drain, when not in use. Provision is made for instantaneous switching from Phono, from Microphone, from Phono and Microphone together, and from Phono. to Radio Tuner! Binding posts provided for attaching either one or two single, or one to two double button microphones. Two pairs of tip jacks are included for two pick ups. Despite the many controls and flexibility of uses of same, only two binding posts are included for connecting the mixing panel to any amplifier! All the connections to and from this control box are made to appropriate binding posts located on the rear panel. These control boxes can be used at any distance from an amplifier—if over 50 feet, an output to line transformer is recommended. Be sure to state impedance value of the microphone transformer we should incorporate. Handsomely encased in a crystalline finished fully shielded metal case, measuring 8 1/2 in. long, 3 3/8 in. wide, 5 3/8 in. tall.

Be sure to state impedance value of the microphone transformer we should incorporate. Handsomely encased in a crystalline finished fully shielded metal case, measuring 8 1/2 in. long, 3 3/8 in. wide, 5 3/8 in. tall.



Rear View

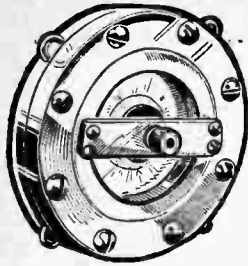
Cat. No. 7064. For One Double Button "Mike," or for 1 to 2 Single Button Mikes **\$19.75**

Cat. No. 7065. Special Model, for controlling One or Two Double Button 100 or 200 Ohm per button Microphones (or 1 to 4 Single Button "Mikes.") (Specify Microphone Resistance!) **\$24.75**

Remote Amplifier Tone Control Feature

Assuming an amplifier is placed out of reach, and it is desired to accentuate the LOW or HIGH FREQUENCIES, we can incorporate within Cat. Nos. 7062, 7063, 7064, 7065, 7066, and 7067 INPUT CONTROL BOARDS, listed on this page, a fully effective variable TONE CONTROL. A separate two CONDUCTOR SHIELDED CABLE is then run from this TONE CONTROL to your power amplifier tubes. If you desire this valuable feature, please affix the letters "RTC" to any INPUT CONTROL BOARD Cat. No. ordered, and remit \$3.50 additional.

"Coast-to-Coast" Broadcast Studio Double Button Microphone



If it is good enough for broadcast studios, then surely this microphone should be purchased for any public address installation — more so, because of the extremely modest price this exceptionally efficient microphone is offered at! Its impressive characteristics speak for itself!

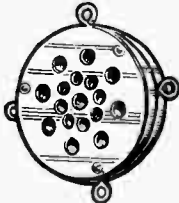
SPECIFICATIONS

ELECTRICAL. Frequency Response: Less than 2 db variation from 30 to OVER 7000 c. s. Sensitivity: —39 at normal speech pressure. Harmonics: None in audible range. Button Resistance: 200 ohms each. Normal Operating Current: 5 to 10 milliamperes per Button. Maximum Safe Current: 18 milliamperes per Button. **MECHANICAL.** Diaphragm: Heat-treated .002 in. duralumin 24 Kt. gold contacts. Stretched Duralumin diaphragm. Has no natural resonant periods. Extremely thin and very sensitive. Damping: Totally air damped with correct anti-damping. Preserves the depth, shading and brilliancy of music and the clean cut personality of speech. Button Pressure: Not appreciable. Diaphragm Stretching Arrangements: Threaded stretching ring exerts pressure equally from every point eliminating all harmonics. Buttons: New type buttons are longer lived and reduce carbon hiss to an inappreciable degree. Advanced performance. Flat response, wide frequency coverage, min. "hiss" and high sensitivity. Frame: Turned carbon steel of high tensile strength eliminates all possibility of warpage. Tolerances .001 in. Entire assembly chromium plated. Excellent mechanical construction. Inappreciable button pressure, perfectly aligned button bridge. Overall Dimensions: 3 1/4 by 1 1/2. Weight 1 lb.

Cat. No. 5760..... **\$27.50**

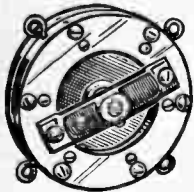
"American" Model "SJ" Single Button Microphone

Extremely rugged in construction, using only the best material obtainable. Handles frequencies from 70 to 3000 cycles; the single button is 100 ohm resistance. Finish bright nickel highly polished.



Cat. No. 6820... **\$3.95**

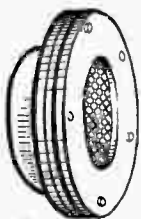
"American" Model "EL" Double Button Microphone



Possesses unusual quality — employs a stretched gold-plated diaphragm! Excellent frequency response between 40 and 3500 cycles. Resistance rating: 100 ohms per button. Highly nickel plated. Tremendous Value! **\$5.95**
Cat. No. 6821.

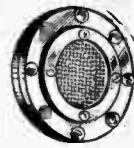
Build Your Own Condenser Microphone

The present trend in microphone application seems to lean towards the electro-static type, partly due to the superior frequency response and freedom from carbon hiss. Requires no "button" current. Remains unaffected if position is disturbed! Complete parts included, together with a fully descriptive assembly instruction sheet, and an extra diaphragm. Diameter, 2 3/4 in.



Cat. No. 6822, Kit only—complete **\$6.95**
Cat. No. 6823. Factory Assembled—Ready for immediate use! **\$9.95**

"Coast-to-Coast" Super-Sensitive Condenser Microphone Head



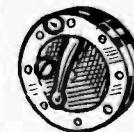
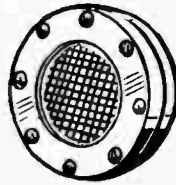
Amazing frequency response, entirely devoid of hiss (sometimes prevalent with carbon type microphones) makes this remarkable microphone worthy of your consideration. Changes in mounting position will not affect its performance.

SPECIFICATIONS: The frame is of turned carbon steel. The diaphragm is duralumin .001" thick. The electrode is hand lapped to within .0001" in accuracy. Long leakage path insures quiet operation. Compensating device corrects differences in barometric pressure, making it possible to operate it in any part of the world. Frequency response from 30 to 8000 cycles per second! The back electrode is sealed so that it will operate indefinitely. A protective screen prevents injury to the diaphragm. Does not draw any current, at its operating voltage of 180 volts. Requires a one to two stage resistance coupled pre-amplifier, such as listed in this catalog. 3/4 in. diameter, 1 in. thick.

Cat. No. 6836..... **\$29.70**

"American" De-Luxe Model Lapel Microphone

A stretched gold-plated duralumin diaphragm, single button carbon microphone. Will stand current up to 25 mls., 15 mls. being recommended. Operating voltage 1 1/2 to 6. Impedance 100 ohms. Frequency range 80 to 3,000 cycles. No longer will public speakers be handicapped by the necessity of speaking directly into the microphone. This new device is so diminutive that it may be worn inconspicuously on the lapel of the speaker's coat, allowing him full freedom of motion, even to the extent of turning his back.



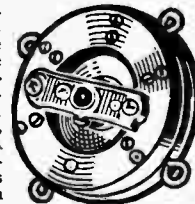
Rear View

Note the convenient clasp—on and off in a second! Can also be held in the hand when talking.

Cat. No. 6825..... **\$9.75**

"American" Supreme Double Button Microphone

Excellent for voice pick-up, faithfully reproducing all the notes and sounds within the audible range of the human voice. It is especially built for Public Address work; Amateur Broadcasters, and experimenters. A great many radio broadcasting stations use this model entirely, when announcing record programs. Its frequency range is from 45 to 4000 cycles, impedance 100 ohms per button and operates on 6 volts, and not over 10 mls per button. Bright nickel finish, highly polished. Cat. No. 6826..... **\$11.50**



"American" Super-Quality Broadcast Studio Double Button Microphone

An extra large two button microphone extremely rugged in construction, built especially for all broadcasting purposes. Only the best materials are used. The diaphragm is of special duralumin .002 thickness, with pure gold contacts on each surface under the buttons. This model is 3 1/2 in. in diameter, by 1 3/4 in. thick, the frequency range being from 30 to 7500 cycles; 100 ohms per button, requiring 6 volts with not over 10 mls per button. Very beautiful in appearance, being of bright nickel finish, highly polished. This microphone compares with any other microphone on the market in appearance and quality of tone.

Cat. No. 6824. **\$36.00**
List. \$72.00. Your Cost

"American" Ace-High Double Button Microphone



A rugged two button microphone, built of only the finest material obtainable, with a very minimum of hiss. This unit uses a duralumin diaphragm .002 thickness, with pure gold contacts below each button, the same diaphragm as you obtain in the largest microphones made. Has a frequency range from 30 to 6500 cycles,

which is greater than that of competitive models, which use entirely Gold Plated Diaphragms, that cannot give you the frequency response desired. Buttons 100 ohm resistance each, 10 mls. or less, at 6 volts. Many of these models are in use in Broadcasting Stations throughout the country, producing very satisfactory results, with an ever increasing demand. Bright nickel, highly polished. Cat. No. 6829. **\$24.50**
List, \$50.00. Your Cost

R.C.A.—Victor Recording High Gain Speech Microphone

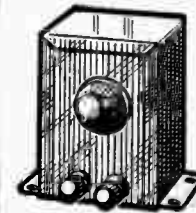
Furnished With Radiola 86 and Victor R.E.-57 Home Recording Combinations



This is not to be confused with "toy" or "stunt purpose" microphones; it serves many professional and commercial requirements. Single button, 100 ohms—draws 10 mls., at 1 1/2 volts. Gun metal finish. Equipped with 50-inch length high quality phone cord. Total length, 6 1/2 inches long. Equipped with a 5 ft. cord.

Cat. No. 4955..... **\$2.45**

Microphone Tone and Feed-Back Control



Permits you to blend or tone down voice impulses passing through ANY MICROPHONE to suit your liking. Also eliminates "feed-back" resonance, sometimes referred to as a "ringing echo." Ideal for use where the acoustical conditions greatly enhance the feedback possibilities. Enclosed in an attractively finished metal case.

Cat. No. 6830..... **\$4.45**

Universal Microphone Cables and Plugs

Employs a heavily rubber insulated covered triple conductor appropriately metal shielded (for grounding). Splendid for outdoor use, or in or through water. The heaviest trucks passing over these cables cannot ruin them! Furnished with G. E. Polarized Armored Male and Female Connectors.

Cat. No.	Length	Your Cost
6831	6 ft.	\$1.62
6832	12 ft.	2.65
6833	25 ft.	4.41
6834	50 ft.	7.08
6835	100 ft.	11.17

Midget Single Button Carbon Type Microphone

Can Be Worn on the Lapel —You Speak with Ordinary Volume!

2 in. O.D. x 3/4 in. thick stretched diaphragm. Suitable for hand or lapel. Reproduces 100 to 2500 cycles with surprising volume. Consumes current up to 6 volts. Resistance 100 ohms (or 200 when specified). Ideal for Intercommunication purposes or can be attached to your radio.

Cat. No. 4578..... **\$3.95**

Double Button Model
(100 or 200 Ohms Per Button!)
Cat. No. 4597. **\$7.45**
(100 to 2500 cycles.)

Western Electric 5 Conductor Cable Connector



Polarized Screw-on locking flange feature. Fully water proof—metal jacketed. Tightening clamps accommodate any size cable. Length: 5/4 in., 2 in. diameter.
\$1.95
Cat. No. 6562.....

Microphone or Speaker Bakelite Cable Polarized Connectors



Three prong cable connectors insuring perfect contacts, and 100 per cent insulation. The steel armor protects the plug and extends over making the cable clamp as shown. No better plug on the market for carbon microphones. The prong arrangement permits assembly in one position only. 1 1/2 in. in diameter. 3/8 in. diam. cord hole.
84c
Cat. No. 6563. Socket

54c
Cat. No. 6564. Plug

Bryant 4 Pole Single Throw Tumbler Switch



Two contacts close at a time, leaving the other two open. Rated 3 amp-250 volts, 5 amps, 125 volts. 2 3/4 in. long, 1 1/4 in. wide, 1 1/4 in. tall. Fits standard line cut-out.
55c
Cat. No. 6565

G-E S.P.S.T. Tumbler Switch (Breaks Circuit in 4 Places)

65c
Cat. No. 6566

G-E D.P.S.T. Tumbler Switch

(Breaks circuit twice in each pole.
75c
Cat. No. 6567

Duplex Phone Plug



Takes two cords with tips, which are held firmly in place with screws. Moulded Bakelite handle rugged in construction. Highest grade of materials used. Will stand unusual amount of hard usage. Fits all jacks.
29c
Cat. No. 6568

Radio Jacks

Cat. No. 6569. Single Open Circuit Jack

15c
Cat. No. 7207. Single Closed Circuit Jack

15c

Broadcast Studio Type Microphone Springs



It is only a small part, but serves an important function. Provides maximum sound vibration control, yet will not stretch! Made of finest spring steel wire obtainable. Ideal for carbon or condenser microphones.
75c
Cat. No. 7208
Set of 8

Hubbell "Twist-Lock" Three Wire Cable Cord Grip Polarized Connectors



Plug-in twist and they're locked! Metal jacketed. Accommodates 23/32 in. diameter cords.
76c
Cat. No. 6570

Male Plug

\$1.29
Body

Hubbell 3 Wire Polarized Twist Lock Flush Receptacle. Porcelain Body. Fits Standard Outlets.



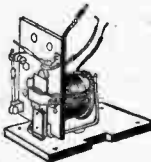
\$1.12
Cat. No. 6572

3 Wire Polarized Connectors

Cap Cat. No. 6573
29c

Body Cat. No. 6574
59c

Triple Relay



A 2 Volt circuit actuates a single pole double throw and a single pole single throw set of contact arms. Provided also with single pole double throw fine relay. 3 3/8 x 3 3/8 x 2 3/4 in.
\$1.10
Cat. No. 6575

4 Relay Remote Control Unit

Two of the relays operate a double pole double throw set of contact arms. The other two relays control a set of double pole — single throw contact arms. Experimenters take notice! Each relay can be separately used, if desired. Equipped with 7 wire, 45 in. cable and terminal block. Size of bakelite mounting plate: 3 3/8 in. x 7 3/4 in.
\$3.95
Cat. No. 6576

Western Electric Microphone Cable and Plug Extensions



Employs 8 in. thick HEAVY RUBBER COVERED METAL SHIELDED WATERPROOF Triple Conductor MICROPHONE CABLE. Can be placed over pavement or street, without fear of damage by heavy trucks passing over it. Equipped with exceptionally well constructed male and female plugs.

Cat. No.	Length	Your Cost
7209	12 Ft.	3.25
7210	25 Ft.	6.20
7211	50 Ft.	10.90
7212	100 Ft.	18.50

Microphone Wall Plate Outlet



Mounts flush on wall same as switch plate in your home. Plate is made of Bakelite. Size of plate 2 3/4 x 4 3/4". Fits all standard microphone plugs.
Cat. No. 6577

Polarized Microphone Wall Box Outlet

Fits all standard wall receptacles. Rated: 10 Amperes, 250 Volts; 15 Amperes, 125 Volts.
99c
Cat. No. 6578

Round Flush Microphone Polarized Receptacle

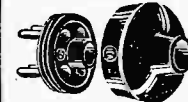


1 1/2 in. diameter, 1 1/8 in. deep. Distance between holes in mounting strap: 1 3/4 in. 8/32 Tapped.
76c
Cat. No. 6579

Polarized Cord Grip Microphone Plug

Fits all standard female bodies listed on this page. Metal jacketed, cadmium plated. 3/8 in. cord hole.
53c
Cat. No. 6580

4 and 5 Prong Detachable Cap Plugs



Cat. No. 6581
4 Prong.. **20c**
Cat. No. 6582
5 Prong.. **25c**

Four and Five Contact Extension Connector Plug

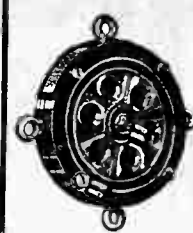
Removable threaded bakelite cap and bakelite UX or UY socket, with protruding contact lugs, which are soldered either a 4 or 5 conductor cable. Naturally, Any Standard 4 or 5 prong speaker plug and cable can then be inserted into this socket. Suitable male plugs are listed above.
45c
Cat. No. 5756 UX 4 Prong..
Cat. No. 5757. UY 5 Prong..

Universal "Junior Mike"



A genuine single-button carbon microphone of 200 ohms resistance. It is mounted in a die-cast mounting 3 1/2 in. high—a replica of the regular Broadcast models. It may be connected to amplifiers or direct to almost any radio set on the market. Finished in attractive statuary bronze. Completely furnished with prong adapter for connection to tube, pin plugs for connection to jacks or binding posts, 25-ft. cord, detailed instruction sheet.
\$4.41
Cat. No. 5506

Universal Model "X" Two Button Microphone



A tribute to American Engineers—a high quality two button microphone available for the first time at this seemingly impossible low price!
Pure gold contacts. Duralumin diaphragm.

Is exceptionally rugged. Resistance: 200 ohms per button. Frequency range, 40 to 3500 cycles. Excellent for public address requirements.
\$5.88
Cat. No. 5505

Universal Model "KK" Double Button Microphone

A substantial, solid, two-button broadcast microphone, with a very minimum of hiss. Carefully constructed of the finest materials with a 24-Kt. pure gold spot center alloy diaphragm which is held under tension. Diaphragm has a thickness of only .002 in. The frequency range is all that can be desired in a carbon microphone, namely from 50 to well over 6000 cycles. The buttons are of 200 ohms resistance each. Entire microphone finished in 24-Kt. polished gold. It is 2 1/2 in. in diameter and 1 1/4 in. thick



\$29.70
Cat. No. 5512

Universal Model "LL" Double Button Microphone



An extra rugged heavy type two-button broadcast microphone. The entire assembly is of high carbon steel, ground to within .001 of an inch accuracy. The diaphragm is alloy of exactly the cop- per hardness and stretch to secure the best results. Pure gold contacts are placed on each side. The materials used and the precision of manufacture combine to make this model stand out as the superlative microphone, reproducing a range of from 30 to 7000 cycles. Model "LL" is 3 1/2 in. in diameter by 1 1/4 in. thick and is standard 200 ohms per button.
\$44.10
Cat. No. 5507

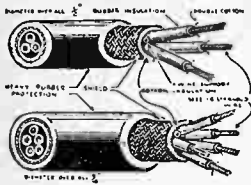
Universal Single Button "Handi-Mike"

Equipped with an "off" and "on" toggle switch, 15-ft. cord, and provided with an eye as shown for hanging while in or out of use. The unit is scientifically constructed with gold plated button and is mounted in sound damping, resilient felt. Overall length, 6 in. Size of head, diameter, 2 1/4 in. Resistance 200 ohms.
\$5.88
Cat. No. 5508

Universal Double Button "Handi-Mike"

An exceptionally clear, highly damped hand microphone, designed particularly for uses where clarity of reproduction plus general adaptability and portability are important requisites. Of rugged construction. No delicate parts. 200 ohms per button. It is finished in beautifully polished plate and comes equipped with a 6-ft. silk braided cable.
\$8.82
Cat. No. 5509

Heavy Duty—Water Proof and Damage Proof Heavily Shielded and Quadruple Insulated Stranded Wire Microphone and Speaker Simplex Cable



The illustrations herewith are self-explanatory. The outer rubber insulation is 3/32 in. thick, hereby making the cable absolutely water-proof! This cable can be actually laid across a street, and automobiles running over it will not damage it or impair its performance. Due to the heavy gauge stranded wire employed (No. 16), the resistance of each conductor is less than One Half An Ohm Per 100 Feet! Ideal for all Public Address Installations!

One Half Actual Size

over it will not damage it or impair its performance. Due to the heavy gauge stranded wire employed (No. 16), the resistance of each conductor is less than One Half An Ohm Per 100 Feet! Ideal for all Public Address Installations!

Two Conductor Cable 3/8 In. Over-All Diameter

Cat. No. 7189
Per 100 ft. Coil **6c** per Ft.
Cut to Any Length, 7c per ft.

THREE CONDUCTOR CABLE 1/2 In. Over-all Diameter

Cat. No. 5754
Per 100 ft. Coil **7 1/2c** Per Ft.
Cut to Any Length, 8c Per Foot

Four Conductor Cable 1/2 In. Over-All Diameter

Cat. No. 7190
Per 100 ft. Coil **8 1/2c** Per Ft.
Cut to Any Length, 9c per ft.

FIVE CONDUCTOR CABLE 9/16 In. Over-all Diameter

Cat. No. 5755
Per 125 ft. Coil **10c** Per Ft.
Cut to Any Length, 11c Per Foot

Six Conductor Cable 5/8 In. Over-All Diameter

Cat. No. 7191
Per 100 ft. Coil **12c** Per Ft.
Cut to Any Length, 13c per ft.

Seven Conductor Cable 3/4 In. Over-All Diameter

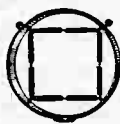
Cat. No. 7192
Per 100 ft. Coil **14c** Per Ft.
Cut to Any Length, 15c per ft.

Eight Conductor Cable 7/8 In. Over-All Diameter

Cat. No. 7193
Per 100 ft. Coil **18c** Per Ft.
Cut to Any Length, 20c per ft.

Microphone Suspension Ring

Furnished with 8 microphone springs, 6 inch diameter. Bronze sprayed. 7/8 in. wide. **\$1.75**
Cat. No. 4608
Cat. No. 4609. Cast bronze. Satin Silver finish. **\$3.95**
For Studio use.



Microphone Suspension Springs



Made of piano wire—guaranteed non-rusting. Finely tempered chromium plated. **35c**
Cat. No. 4952. Per Doz.

Compact Inter-Communication —Public-Address Unit

Can Be Attached to Any Radio Set or Power Amplifier!



A Complete Microphone input stage, all self-contained in one box, including a really sensitive "mike." Consists of 1 Single Button Microphone, Potentiometer, Switch, Input Transformer, 4 1/2 Volt "C" Battery receptacle and 25 ft.

Double Cord. This box when connected to any Radio set or Amplifier can be used as a Calling System, Broadcasting device or for countless other uses. Assembled and ready to be attached to a Radio or Amplifier. Equipped with handle for carrying purposes. Size 6 in. x 6 in. x 10 in. Nicely finished wood—you can rest this unit on any desk, and feel justly proud of it!

Cat. No. 4599 **\$10.95**

Pre-Amplifier Stage Equipped P. A. Unit

Identical to Cat. No. 4599 above described, except a fully effective Pre-Amplifier Stage, requiring a 230 type dry cell battery operated tube, is self-contained. The purpose of this amplifier stage is obviously to boost output of the normal microphone circuit, so as to insure ample volume, under all circumstances. Requires external power supply as follows: Two 1 1/2 volt dry batteries, and from 90 to 135 volts "B" battery. Completely assembled—ready for immediate operation!

Cat. No. 6340. Less 230 Tube **\$16.95**

Midget Hand or Desk Microphone

Hear your own voice broadcasting over the radio—will furnish excellent entertainment for you and your friends. May be operated in any room you choose—distance does not interfere. Your own voice is clearly reproduced in the radio speaker. All you have to do is press a little button on top of the Mike and do the broadcasting yourself. This automatically cuts off or diminishes the program on the radio and your voice appears instead. When you have finished talking, release the button, and the program returns. Midget Hand-Mike is no larger than a small alarm clock and is easily attached to any radio in two minutes—no tools are necessary. The simple instructions that come with it enable you to attach it yourself. Made of white bronze, beautifully designed and chromium plated.



MIDGET HAND MIKE

Cat. No. 6341 **\$3.53**

"Gem" Broadcasting Microphone and Desk or Floor Stand

Can be used for all broadcasting purposes, precision instrument built for home, amateur and studio broadcasting. You will marvel at the wonderful performance of these instruments. Clear and distinct. No feedback—they are scientifically designed and manufactured. These microphones are sensitive enough to detect and transmit the slightest sound. The last word in microphone construction! Can be attached and used with every radio.

They permit cutting in on any programme—without touching the receiving set. Of course, they can be used with any form of public address amplifier. Microphones and stands are made of white bronze castings. The stands are finished in a beautiful bronze effect. Are equipped with a Microphone transformer and "C" Battery, also an "On" and "Off" switch, the same being built on the inside of the base. The "C" Battery with intermittent use will last approximately six months and can be easily changed, if found necessary. All Microphones furnished with 25 foot cords.

Cat. No. 6342. Table Model complete as above described, mounted on stand, height 17 in. over all. **\$5.88**

Cat. No. 6343. Floor Model, same as Cat. No. 6342, except the stand, telescopes from 4 to 7 feet **\$8.24**

Table and Floor Stands Available Separately—Illustrated and Described Immediately Above. Cat. No. 6344. 17 in. tall table model, with switch **\$2.94**

Cat. No. 6345 48 in. to 84 in. Telescoping Floor Model. **\$5.30**

Table or Desk Microphone Stand



This type stand supplied with 8 microphone springs and toggle switch for switching the microphone on or off. Diameter of ring 6" and the entire stand finished in dark bronze. The base is made of casted heavy material so that the microphone is never too heavy. Ideal for portable microphones for amateur phone transmission or for public address systems. **\$3.95**
Cat. No. 1826

Cast Iron Floor Stand

Adjustable 45 in. to 72 in.
6 in. Diameter Ring. Bronze finish. Eight Microphone Springs included.
Cat. No. 1823..... **\$7.95**



SPECIAL OFFER

This Stand, complete with "COAST-TO-COAST" Cat. No. 5760 BROADCAST STUDIO MICROPHONE **\$31.50**

De Luxe Finish Broadcast Use Microphone Floor Stand



Is specially designed for rigidity with heavy base for firm solid support. No chance for swaying or vibrating. Extends from 40" to 72". A large size screw securely holds extension in place, thus preventing any possibility of its dropping and damaging the microphone. Bent suspension hooks for easy insertion of springs. Eight springs included. Finished in handsome brushed steel.

Cat. No. 6346 **\$12.95**

SPECIAL OFFER

This Stand, Complete with "COAST-TO-COAST" Cat. No. 5760 BROADCAST STUDIO MICROPHONE **\$36.50**

Three Conductor Shielded Microphone Cable

The finest cable obtainable. Consists of 3 individually insulated cables color coded. Each individual cable has rubber insulating and cotton covering. Woven, flexible tinned copper shield self cotton covered. Cable is finished with spade tips on both ends. A shielded ground lug is provided on one end of cable. Supplied as follows:

Cat. No. 1938 Per ft. (Cut to any length!) **6c**

Stock Lengths

Cat. No. 1939 12 ft. **72c**
Cat. No. 1940 25 ft. **\$1.45**
Cat. No. 1941 50 ft. **\$2.75**

5 Wire Shielded Cable

Similar to the 3 Conductor Microphone cable above described and illustrated, under Cat. No. 1938. Cat. No. 5697 Per 100 ft. Roll **\$7.50**
Note: Cut To Any Length, 10c per ft.

Flexible Un-Shielded Microphone Cable



Contains 3 Conductors—Similar to Above Described Shielded Cable, Except It Has No Outer Metallic Shield—Very Well Insulated

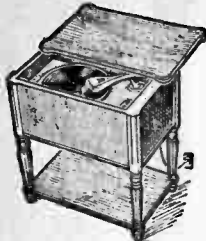
Cat. No. 1933 60c Cat. No. 1934 50 ft. **\$2.25**
Cat. No. 1935 1.25 Cat. No. 1936 100 ft. **\$3.75**

Cut to Special Length

Cat. No. 1937 Per ft. **4c**

General Electric Victor Phono. Table Ensemble

BRAND NEW!
Shipped in Original
Factory Sealed
Cartons



Note Exclusive Sliding
Cover Feature—No
Hinging Motion!

Contains a General Electric Heavy Duty, steady speed Induction Motor, and General Electric electric phono. pick-up (with Inertia Control, Volume Control, and Automatic Stop. A Switch is also provided for optional use of Radio or Phonograph, as well as an On-Off Switch. Note that a Phono. Pick-up Impedance matching transformer is also included—a valuable feature!

The End Table is easily worth \$20.00 by itself! The finest of dull polished genuine walnut woods are used throughout. The cover when closed permits the use of same as a coffee table! It stands 24 in. tall, and is 26 in. long, by 15 1/4 in. A shell across the bottom permits the installation thereon of an amplifier—records, books, etc.

Cat. No. 6954... **\$19.50**



R. C. A.-Victor Phono. Table Ensemble

Equipped With Conventional
Hinging Cover

\$17.50

Cat. No. 5400.....

"Coast-to-Coast" Weston Meter Equipped Vacuum Tube Peak (A. C. and D. C.) Voltmeter



Superior to All Other Types as It Does Not Affect Voltages Impressed Upon It—Due to Negligible Resistance of 4 Megohms as Compared 1000 Ohms Per Volt!

Employs a Weston 0 to 1 Milliampmeter, which is placed in the PLATE CIRCUIT of tube. Calibrated in 3 Ranges: 0 to 1/100th of a volt, 0 to 1/10th of a volt, and 0 to 2 1/2 Volts. A chart furnished shows how to measure up to 1000 volts! Ideal for measuring GAIN of any kind of a tube, transformer or complete R.F., I.F., and A.F. Stage. Locates defective stage immediately—a great aid to servicemen and laboratories! A chart also furnished shows how to measure DB's of Pre-amplifiers, audio stages, transmission lines. Has self-contained 4 1/2 and 22 1/2 Volt batteries.

Cat. No. 7105. Complete, with 230 Tube and Batteries. **\$24.50**

Cat. No. 7106. Available without Weston Meter. **\$19.50**

Neon Continuity and Condenser Tester

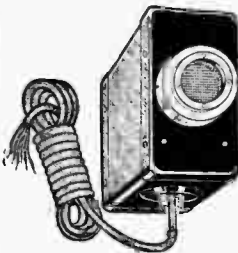
Connect A.C. cord to 110 volt 60 cycle outlet. Touch test prods to terminals of part which is to be tested. If a condenser is being tested, a momentary flash when the leads are applied, but no flash thereafter indicates a good condenser. A regular, intermittent flashing when the test leads are maintained across the condenser terminals shows a high resistance leak. A continuous dim glow shows a partially shorted condenser (low resistance leak—poor condenser). A bright glow indicates a dead short. In general, when the test leads are applied to any other electrical part, a bright glow indicates continuity, low resistance, or short circuit, a dim glow indicates a high resistance path, and failure to glow at all indicates an open circuit.



Enclosed in a neatly japanned metal case, with rubber feet, measuring over-all: 4 1/4 x 4 1/2 x 7 in. tall. Equipped with a G-E Neon Bulb, a self contained 112 Vacuum Tube Voltmeter Principle Tube, a line cord and 5 ft. long heavily insulated test prods and cable.

Cat. No. 7107... **\$9.75**

"Coast-to-Coast" 1933 Improved Model Condenser Microphone Head and Self-Contained 2 Stage Pre-Amplifier



Excellent for Use in All Broadcast Studios and in All P. A. Installations Where Highest Quality Reproduction and Extreme Sensitivity Are Desired

Offers the exclusive advantage of being FREE of hiss and noise background, sometimes characteristic

of other type microphones. Actually is far more sensitive than any other type... offers greater pick-up sensitivity on pick-up of distant sounds. Its range is actually limited only by the degree of external noises, and under no conditions will it blast. Aging has no effect on it—performs continuously in a most satisfactory manner. Employs a duralumin diaphragm, which is laboratory aligned. A wire mesh shield prevents tampering of the microphone interior. Chrome plated head. Can be mounted in any conceivable position! The pre-amplifier case is solidly made of heavy steel, neatly black japanned, and measures 4 x 6 1/2 x 7 1/2 in. deep. Weight, 8 1/2 lbs. Equipped with a standard threaded bushing for attachment to any microphone stand. Can also be suspended from a ceiling in any room or roof of a sound truck, etc. A 10 ft. long 6 wire heavily insulated cable is included for all battery and output connections. The pre-amplifier contains two stages of 237 noiseless resistance coupled amplification. The tube sockets are cleverly rubber cushioned to prevent microphonic noises. The output is 200 ohms, and can be connected directly to a 200 ohm primary input microphone transformer, the secondary of which is connected directly to the grid circuit of the 1st tube in any amplifier. The output transformer included permits the installation of this CONDENSER MICROPHONE any distance, even 2,000 feet, from the P.A. Amplifier. Requires 180 Volts "B" battery, at 10 mils, and 6 volts, at .6 mil. Can be used in conjunction with any "COAST-TO-COAST" INPUT CONTROL BOX.

Cat. No. 7100. Condenser Head only, **\$39.50**

less amplifier... **\$69.50**

scribed, including 2 Stage Pre-Amplifier—Requires 2-237 Tubes. **\$14.75**

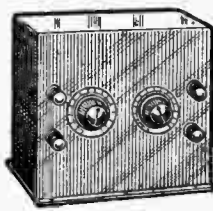
Cat. No. 7102. Stand-adjustable from 52" to 68". Accommodates Pre-Amplifier Case. **\$7.50**

Cat. No. 7103. DESK STAND—12 In. Tall. **\$7.50**

Cat. No. 7104. 110 Volts A.C., 60 Cycle "A" and "B" Supply for above Pre-Amplifier. **\$27.50**

"Coast-to-Coast" Dual Control and Low Frequency Tone Compensator

Ideal for Use Across Any 100 to 3000 Ohm Impedance Circuits



The two controls provided permit you to greatly diminish the volume intensity of both or either bass or high frequencies, to compensate for specific accoustical conditions, or to remove phono needle scratch or carbon microphone hiss disturbances. The adjustment of each control does not affect the other, and by setting these controls to their off position, normal reproduction in both the high and low frequency ranges is restored. Mounted in a handsomely finished metal case, measuring 6x4x5 1/2 in. tall.

Cat. No. 7070... **\$6.50**

Fibre Tubing



Cat. No. 7451. 1/8 in. O. D. 1/8 in. Inside diameter). 24 In. Long. **45c**

Solid Bakelite Rod

Cat. No. 7482. 1/8 in. diam., 12 in. long. **65c**

WESTERN ELECTRIC Low Impedance Combination 33 1/3 and 78 R.P.M. Phono. Pick-Up.



Essentially used for THEATRE RECORDS, but can also be used just as successfully with 10 in. and 12 in. diameter records.

Over-all length 16 in.! Solidly constructed. Detachable head feature.

Angle of unit needle to record surface scientifically perfect, assuring minimum needle scratch! Equipped with a shielded conductor! We consider this a very fortunate opportunity for you to purchase one of the WORLD'S FINEST PHONO. PICK-UPS.

Cat. No. 7452. **\$14.95**

Western Electric Pick-Up..... **\$4.50**

Cat. No. 7453. Matched Low Impedance Phono. Input Transformer

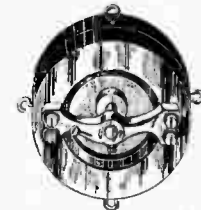
Western Electric Phono. Pick-Up Rubber Replacement

Ideal for repairing ALL Phono. Pick-Ups.

Cat. No. 7454. Each. **50c**

In Lots of 6, **\$2.50**

Mayo Model "F" Double Button Carbon Microphone



Highly polished chrome plate finish. Furnished with a separate bridge support, assuring exact alignment. Generously constructed: 3 1/4 in. diameter, 2 3/4 in. thick. Has two 24 Karat GOLD CONTACT BUTTONS, providing for minimum hiss. Employs a heat treated duraluminum diaphragm.

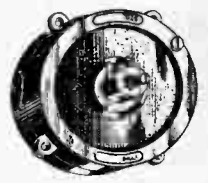
Frequency range: 60 to over 4000 cycles. Available in either 100 or 200 ohms resistance—please specify. **\$12.00**

Cat. No. 7108... **\$12.00**

Cat. No. 7109. Same as above, but finished in 24 Karat Gold effect. Frequency range, 60 to over 5000 cycles. Specify resistance range desired. **\$15.00**

Mayo Model G Double Button Carbon Microphone

Stretched diaphragm feature. Hand Turned carbon steel rings are clamped by 12 heavy machine screws. 3 1/4 in. diameter, 2 3/4 in. thick, .002 in. thick diaphragm, with 24 karat gold contacts, stretched tension suspension. Air closed chamber damping. Frequency range: 50 to 6000 cycles. Choice of 100 or 200 ohms resistance per button. Choice of chrome or gold finish.



Rear View

Cat. No. 7110... **\$22.50**

Mayo Model "E" Double Button Carbon Microphone

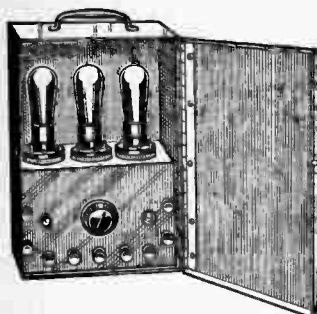


Excellent for Broadcast Studio Use!

Here is an instrument of which we are justly proud and believe it to be the finest carbon type of microphone made. It is constructed of accurately turned steel, machined to a hair-line precision. Employs the tension diaphragm of .0015 inch, is clamped by 12 heavy machine screws and measures 3 3/4" in diameter by 2 1/4" in thickness and has a net weight of over 2 1/2 pounds. The buttons are made in either 100 or 200 ohms per button, and has a frequency response which is practically flat over the entire scale of from 30 to 8000 cycles. This unit is finished in Dull Chrome. Gives depth, shading and brilliancy of music and the clear, clean-cut personality of speech. Air Closed Chamber Damping. Cat. No. 7111. **\$40.50**

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"COAST-TO-COAST" ALL PURPOSE 1, 2 OR 3 STAGE CARBON, CONDENSER, DYNAMIC MICROPHONE, PHONO PICK-UP OR SOUND-ON-FILM PRE-AMPLIFIERS



Gives high amplification, with no distortion due to use of RESISTANCE COUPLING. Tube Sockets rest on sponge rubber, to prevent microphonic disturbance. All component parts are guaranteed to perform noiselessly. Housed in fully shielded steel boxes, provided with socket holes, if requested, for polarized or 4 or 5 prong outlets, instead of employing binding post terminals, as illustrated. Requires external batteries as follows: 90 to 180 Volts "B," 2 Volts "A" for 230 type tubes, or, 6 volts "A" for 237 type tubes. When employing Sound-On-Film Photo Electric Cells, Dynamic or Condenser Microphones, 2 or 3 Stages are required: For Carbon Microphones or Phono. Pick-ups, 1 or 2 Stages are required. All these amplifiers are provided with

special input transformers, subject to your requirements—state for what purpose amplifier is being used. The output of these amplifiers has a transformer for a 200 ohm line—however, we can furnish any other transformer, from 50 to 150,000 ohms, according to your specification, to match the INPUT IMPEDANCE of your amplifier. Note carrying handle—extremely compact. Equipped with OVER-ALL GAIN CONTROL, ON-OFF SWITCH.

- Cat. No. 7126-M 27
1 Stage Pre-Amplifier **\$19.50**
- Cat. No. 7127-M 28
2 Stage Pre-Amplifier **\$27.50**
- Cat. No. 7128-M 29
3 Stage Pre-Amplifier **\$39.50**

NOTE: No tubes are included at the prices above shown—however, INPUT and OUTPUT Provisions are included.



SUPER-SENSITIVE Combination 33 1/3 and 78 R.P.M. Phono. Pick-Ups

Available in High or Low Impedance Models and Equipped With a Self-contained Volume Control

The Free Movement of armature while in riding position on the record will prolong the life of the record materially and will allow for any warp in the record. The New Super Hydro will fall in line with other type units at the frequency range of 4000 to 5000 cycles and cut off sharply at this range. No one wants all highs and no fundamentals. Hydro covers the range from 32 cycles straight through the register with greater output than other type units. Many other type units produce no voltage output from 32 cycles to about 60 cycles. The new Hydro unit has greater output with a full round smooth tone with half the needle scratch. Plays equally well both the 33 1/3 and 78 R.P.M. cut records!

- Cat. No. 5348. High Impedance Unit. (Universal Use!) **\$6.75**
- Cat. No. 5348-A. Special Matched High Impedance Phono. Input Transformer **\$2.95**
- Cat. No. 5348-B. Low Impedance Unit. (200 ohms—Use with conventional Microphone Input Transformer) **\$6.75**

16 Inch Theatrical Record Long Tone Arm Models

Overall length, 15 1/2 inches. Self-contained volume control not included.



Designed for 33 1/3 and 78 R.P.M. Records

- Cat. No. 5431—High Impedance unit **\$7.95**
- Cat. No. 5431-A.—Special matched high impedance phono. input trans... **\$2.95**
- Cat. No. 5431-B.—Low Impedance unit. (200 ohms, use with any suitable microphone Input Transformer). **\$7.95**



Allen Hough Synchronous Motor

Only 1 1/4 in. thick. Revolves exact speed of 78 R.P.M. despite any voltage variation in 110 volt, 60 cycle A. C. line. 10-in turn-table included. **\$3.25**

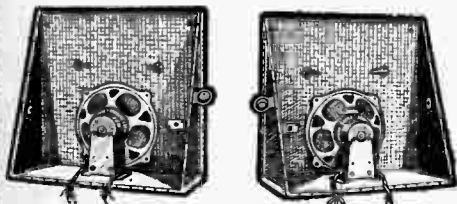
General Electric Synchronous Phono. Motor

Furnished with a 10 Inch Felt Lined Turn-Table



Only 3/4 in. deep! Turn-table revolves at precisely the same number of prescribed turns per minute (namely, 78 R.P.M.) despite voltage fluctuations thereby not producing faltering pitch. **\$3.75**

General Electric Portable Dual Section Speaker Trunk With or Without Jensen or Wright De Coster Speakers



Permits Installation of One or Two (Up to 14 in. Diameter) Dynamic Speakers . . . Each Perfectly Baffled Unit Can Be Placed Any Distance From Each Other!

These trunks are very substantially built, and will withstand the roughest usage, yet they are remarkably light weight! It will be noted from the illustrations herewith that the unique two section construction of this miniature trunk permits both halves to be separately detached. When the two sections are placed together, the speakers do not strike or touch each other. A lock, key, and clasps, etc., of the conventional trunk type are provided. The carrying handle is extra thick leather and is securely bolted to the case.

All the edges are metal lined, and provided with heavy gauge metal corners. The dynamic speaker mounting surface forms an unusually effective and acoustically perfect baffle, measuring 21 3/4 in. x 22 in. The cone diaphragm is protected by a porthole cover, (8 1/2 in. diameter) fitted with a snap lock—in operation, this cover can be hinged backwards. Roomy enough to store and transport other equipment, such as substantial lengths of speaker extension cable, control board, microphones, Pre-Amplifiers, etc. When closed together, the overall dimensions of the entire case measures 23 1/4 in. long, 12 3/4 in. wide, 22 in. tall. Cat. No. 7484. G-E Portable "Trunk." (Two Sections.) Less Any Speaker. **\$22.50**

- Cat. No. 7485. Same as Cat. No. 7484, but equipped with your choice of 2 JENSEN D.C. DYNAMIC SPEAKERS **\$34.50** (Two A.C. Models, \$7.50 Additional)
- Cat. No. 7486. Same as Cat. No. 7484, but equipped with your choice of 2 WRIGHT DE COSTER D.C. DYNAMIC SPEAKERS. **\$47.50** (Two A.C. Models, \$10 Additional)

NOTE: State D. C. Resistance Desired of Speakers Ordered, as Well as Output Transformer Requirements.

Presto Recording Equipment Pre-Grooves Its Own Records!



(Open view, cover not shown)

It is a proven scientific instrument that reproduces any sound with startling realism—the result of life itself! The records are permanent and can be played many hundreds of times without any loss of the original brilliance of reproduction. With Presto,

your home or store is transformed into a perfect recording studio. Comes to you complete with motor, turntable, volume control, microphone, patented feed mechanism and recording head, selector switch and radio-phonograph switch, and is housed in a beautiful compact portable leatherette case. Converts your radio or any amplifier into an Electric Phonograph that will play all standard records. It both makes and plays back records. Uses a smooth metal disc (not pre-grooved) 6, 8, 10 or 12 inches in diameter and cuts its own grooves as it records. List: \$85.00. Completely assembled and wired. Ready to operate. Instantly attachable to any make radio set.

Cat. No. 5007. COMPLETE, AS ILLUSTRATED. **\$39.50**

Pre-Grooved and Plain Aluminum Phono. Discs



Double Faced. 6 in. diameter allows 1 minute recording on each side—8 in., 2 minutes on each side—10 in., 3 minutes on each side.

Cat. No. 7606. Special Carbon Steel Recording Needles. For Use on either Plain or Pre-Grooved Records (Aluminum or Black Composition). Cuts a "U" shaped groove. **25c** Per Package of 15 Needles.

- | | | |
|----------------|----------------------|------------|
| | Pre-Grooved | |
| Cat. No. 1945. | 6 inch..... | 40c |
| Cat. No. 1946. | 8 inch..... | 60c |
| Cat. No. 1947. | 10 inch..... | 80c |
| | Not Pre-Grooved | |
| Cat. No. 5011. | 6 in. 1 1/4 minutes | 19c |
| Cat. No. 5012. | 7 1/2 in. 2 minutes | 29c |
| Cat. No. 5013. | 10 in. 3 1/2 minutes | 49c |
| Cat. No. 5014. | 12 in. 5 minutes | 59c |

"COAST-TO-COAST" Model RH-51 Recording Head

Ideal for those who already have a phono. pick-up, motor, and turntable. This complete outfit consists of: A Cutting Head, Swivel Arm, Automatic Threader, Center Spindle, Miscellaneous Hardware, and Complete Operating Instructions. Can be installed across any present phono. turntable. For 33 1/3 and 78 R.P.M. Recordings.

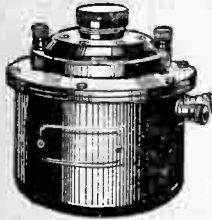
Cat. No. 7487. Complete as Described. Choice of 15, 500 or 4000 ohm Impedance **\$19.50** Cutting Head.

RACON PUBLIC ADDRESS DYNAMIC HORN UNITS AND TRUMPETS

Racon Dynamic Horn Units can also be furnished with 90 to 140 Volt D.C. 1000 to 3000 ohm fields, (instead of 6 volts D.C.) Their field excitation, for from one to four such units, can then be furnished by any "COAST-TO-COAST" Public Address Amplifier!

Racon Super-Giant Electrodynamic Horn Unit

Ideal for All Class "B" or 50 Watt Class "A" Amplifiers



6-8 volt D. C. field excitation. 1.0 ampere consumption, at 6 volts. 15 ohm voice coil impedance. Continuous operating capacity 8 watts. Peak load capacity 25 watts. Particularly adapted for theatre and auditorium use where the finest quality reproduction is required. Has standard threaded collar—1½ x 18. Also available in 1000—2500 and

3000 ohm Field, 90 to 140 Volt D. C. Models. Weight 20 pounds. 8 in. tall, 6 in. diameter. Cat. No. 6412. **\$44.10**

Racon Giant Electrodynamic Horn Unit

6-8 volt D. C. field excitation. 1.1 ampere consumption at 6 volts. 15 ohm voice coil impedance. Continuous operating capacity 7-8 watts. Peak load capacity 25 watts. A rugged and serviceable unit with perfect reproduction; can be used for all general sound purposes. Special heavy duty construction for aeroplane and hi-power public address work, if desired. Standard threaded collar, 1½ x 18. 7 in. tall, 6 in. diameter. Also available in 1000—2500 and 3000 ohm Field, 90 to 140 Volt D. C. Models. Weight 19 pounds. Cat. No. 6413. **\$35.28**



Racon Master Electrodynamic Horn Unit

6-8 volt D. C. field excitation. 1.1 ampere consumption at 6 volts. 15 ohm voice coil impedance. Continuous operating capacity 6-7 watts. Peak load capacity 25 watts. Lightweight hi-powered unit especially suitable for portable systems and permanent installations where heavier units are not required. The perfect reproducer. Standard threaded collar, 1½ x 18. 6 in. tall, 6 in. diameter. This unit can also be furnished with a 1000—2500 or 3000 ohm D. C. Field. Weight 13½ pounds. **\$29.40**



Racon Junior Horn Unit

Electrodynamic. 6-8 volt field excitation. 1.1 amp. consumption. 15 ohm voice coil impedance. Peak load capacity is 15 watts. Weight: 11 lbs. Cat. No. 7183. **\$23.50**

Racon Baby Horn Unit

Electrodynamic. 6 volt excitation. 1¼ amp. consumption. 15 ohm voice coil impedance. Peak load capacity is 10 watts. Weight: 6¼ lbs. Cat. No. 7184. **\$14.70**

Racon Magnetic Unit

Requires NO FIELD EXCITATION!

Continuous operating capacity is 2 watts. Impedance is 2000 ohms. Reproduces without blasting and is recommended for public address use where great volume and projection are required. Weight: 4 lbs. Cat. No. 7185. **\$14.70**

NOTE: Cat. Nos. 7183 and 7184 can be furnished with a choice of 1000-2500-3000 ohm Fields.

RACON EXPONENTIAL TRUMPETS



Made of impregnated and hardened fabric—will withstand the rigors of all climates, seasons and temperature variations. Light-weight, despite apparent bulk. Acoustically perfectly designed and constructed. Equipped with standard threaded mounting collars.

3½ Foot Trumpet

Bell 22 inches round. **STORMPROOF MODEL.** Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. Guaranteed for one year. For outdoor use in all climates and weathers. Weight 9½ pounds. Cat. No. 6451. **\$23.42**

DE LUXE MODEL. Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. For indoor use or temporary outdoor use. Weight 7 pounds. Cat. No. 6452. **\$14.70**

REGULAR MODEL. Equipped with metal beaded edge, metal ferrule and suspension ring. Adapted for ¾—18 inch threaded unit. For indoor use only. Weight 6½ pounds. Cat. No. 6453. **\$11.75**

6 Foot Trumpet

Bell 30 inches round. **STORMPROOF MODEL.** Equipped with metal beaded edge, cast aluminum throat and 4 inch suspension ring. For outdoor use in all climates and weathers. Single unit horn. Weight 21 pounds. Cat. No. 6454. **\$38.22**

REGULAR MODEL. Equipped with metal beaded edge, cast aluminum throat, and 4 inch suspension ring. For indoor use only in all climates. Weight 17 pounds. Cat. No. 6455. **\$24.75**

Racon Dual Unit 6 Ft. Trumpet

Bell 30 in. round. Length overall 64 in. **REGULAR TYPE.** For indoor work only. Weight 19 pounds. Cat. No. 6456. **\$35.28**

STORMPROOFED, metal beaded edge. Cast aluminum throat section. Demountable. Loose couplings for units. Equipped to operate with 2 Giant Units. A powerful Public Address Horn, where great projection is desired. Weight 23 pounds. Cat. No. 6457. **\$44.10**

4 UNIT HORN. Weight 30 pounds. Ideal for aeroplanes—or long range P. A. sound projection. Demountable. Cat. No. 6458. **\$79.32**

Racon Electro-Dynamic Horn Unit Field Exciters

Furnishes 6 volts D.C. field excitation. Humless! Will not heat up—perforated casing.

For One Racon Unit
Cat. No. 6448—

\$11.76

For Two Racon Units
Cat. No. 6449—

\$20.50

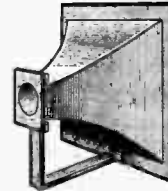


For Four Racon Units
Cat. No. 6450—

\$35.25

Racon Dynamic Cone Flared Baffle Horn

For Outdoor Use, A Protection Chamber Can Be Built Around the Baffle Mounting Board.



Equipped with mounting block for the cone and patented self-supporting frame. Any size dynamic speaker can be mounted to this over-size baffle board. Particularly designed to make a more directional speaker of this particular type, and at the same time increasing the efficiency, together with giving better distribution by loading the diaphragm.

Cat. No. 6459. Bell 18 in. x 30 in. Depth 10 in. **\$7.06**
6460. Bell 27 in. x 27 in. Depth 24 in. **17.64**
6461. Bell 36 in. x 36 in. Depth 24 in. **23.52**
6462. Bell 41 in. x 41 in. Depth 15 in. **23.52**
6463. Bell 44 in. x 44 in. Depth 24 in. **26.46**

Racon Triple Horn Connector

Permits the use of three horns from one Racon electro-dynamic unit. Distributes the output of the unit equally through each, without choking or reducing the efficiency. Dispersion angle, 105 degrees.

Connector only. Cat. No. 6464 **\$11.76**
Dual Connector. Cat. No. 6465. **\$8.82**



RACON Electro-Dynamic Unit—Triple Connector and Three 3½ Foot Trumpets. As Illustrated.. Complete. Cat. No. 6466. **\$72.03**

Mayo Attenuator Control



Adaptable to use as a main gain or mixer control. Supplied in standard impedances of 200 and 500 Ohms, the control being a T-Pad. However, if an L-Pad is desired, same can be furnished upon request. Different impedances can also be supplied on short notice. The maximum wattage dissipation of this control is 3½ watts, (although they can be supplied on order up to and including 50 watts). The resistance element is wire wound of the finest Nichrome Enameled Wire, supplied standard with a left-hand taper and all terminals of the control are insulated from the crystalized steel case it is mounted in. Both the plate and the control can be removed from the case for panel mounting, or can be furnished with the case off if so desired. Aluminum scale, black background, case finished in either brown or black crystal. **\$7.20**

Cat. No. 7186. **\$7.20**

Mayo Fader Control

Has been designed especially for the fading of two lines of alike impedances, either one or the other noiselessly. Supplied standard in a four point control with absolutely zero center in 200 and 400 ohm impedance, enabling the mixing of two 100 ohm lines, or two 200 ohm lines. Supplied in either impedance upon request. **\$5.40**
Cat. No. 7187.

Four Racon Speaker Dry Rectifier

Consists of four rectifiers as illustrated, mounted within one ventilated case. Furnishes perfect D. C. to one to four 6 volt D. C. fields, FROM ANY 110 volt, 50 to 60 cycle. A. C. line! **\$16.50**
Cat. No. 7483. Complete.





Rear View of A. C. Operated Model—Note Ventilated Protective 82 Mercury Rectifier Shield, and Phantom

View of Hooded Terminal Block. This Speaker Weighs 45 lbs.

These Dynamic Reproducers Are a Flattering Tribute to Jensen's Former Speaker Achievements!

Four years of constant research and improvement in previous Jensen Auditorium Series Electro-Dynamic Speakers has led to the introduction of these two new Jensen Auditorium Models. Their introduction marks the most progressive step ever made in electro-dynamic cone speaker design. Higher in efficiency, more ruggedly constructed, capable of handling extreme power inputs, and amazing fidelity of reproduction, places these two new speakers at the head of all previous achievements in electro-dynamic cone speaker designs. Highly recommended for all outdoor or indoor Public Address Amplifiers, being superior to air column horn units, due to their ability to handle greater amplifier output loads plus the fact that their installation behind a baffle will give a wider sound distribution than directional air column horns and trumpets.

Most Superior Reproducers of Speech and Music!

These new models are available in two types, Series "M," designed for general use, and Series "V," designed for use where the reproduction of voice is the chief requirement, although this model too can be truly considered as ideal for general use also! The Series "M" Speakers offer a uniform high frequency response and an unusual high efficiency in the low frequency range. Series "M" speakers are particularly recommended when the reproduction of music is the chief requirement, although voice reproduction will be 100% satisfactory as well. Series "V" speakers have a rise in efficiency in the normal high frequency range and the adjustment of the low frequency response to accommodate unusually

Equipped With Jensen TYM-FLEX ONE PIECE CONE Excellent for Use With All Class "A" and Class "B" Sound Truck and Auditorium Public Address Amplifiers

WRIGHT-DE COSTER "COAST-TO-COAST" D.C. AND A.C. SERIES DYNAMIC SPEAKERS

Manufactured Specially for the House of "Coast-to-Coast" by Wright-De Coster, Inc.

The International Reputation rightfully enjoyed by Wright-De Coster Co., due to the outstanding merits and superiority of their reproducers, was instrumental in causing us to enter into negotiations with them to produce to our rigid specifications this special series of Dynamic Reproducers, to meet the severe requirements of "COAST-TO-COAST" Public Address Amplifiers.

We certainly would not endanger our own good name by recommending these reproducers as standard dynamic speaker equipment with our amplifiers, unless they performed 100% satisfactorily to meet our amplifiers' unusual requirements!

Enjoys a Continuous Power Handling Capacity of 6 to 8 Watts—Will Handle Peak Load Capacities of Up to 15 Watts!

Due to their generous design, over-size field coil and diaphragm, these dynamic speakers will produce huge volume free of blasting and rattling, with an unusually excellent degree of realism that is amazingly thrilling! It is of course advisable to use several of these speakers, to handle continuous loads greater than its conservatively rated normal operating capacity. For instance, for continuous loads of 12.9 watts to 16 watts, we recommend at least two of these

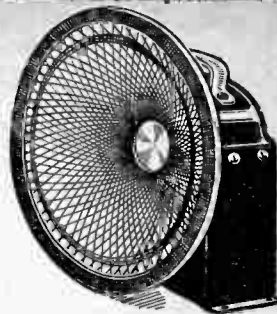
JENSEN 1933 DESIGN AUDITORIUM MODEL A.C. and D.C. 30 WATT PEAK LOAD CAPACITY ELECTRO-DYNAMIC SPEAKERS

large excursions of the cone structure. They are particularly desirable in theatre and public address systems.

In sound output these new Jensen Auditorium Speakers are at least 400% more efficient than the conventional type of electro-dynamic cone speaker! For example, adding one of these speakers to any amplifier is the comparable equivalent of using type 250 tubes instead of type 245, or, the equivalent of using type 845 tubes in place of type 250's! The addition of these speakers, therefore, to any amplifier system is an economical means of greatly increasing the power of the system WITHOUT ADDING TO THE COST OF THE AMPLIFIER ITSELF! WE SINCERELY RECOMMEND THEIR USE WITH ANY "COAST-TO-COAST" PUBLIC ADDRESS AMPLIFIER! The moving system is critically damped so that the reproduction of spurious transients are reduced to a minimum. Bass response is unusually good without any "boom" effect. The cone is sufficiently large to give good radiation, and the system is capable of unusually large excursion. In the interest of introducing a minimum of distortion it is wise to take advantage of the remarkably high efficiency of these new speakers by operating them with relatively low electrical inputs. However, the speakers are fully capable of continuously handling 15 watts of energy, but the sound output from 15 watts electrical input is at least three times greater than that from other speakers of equivalent cone area.

No Other Dynamic Speaker Made Can Compare with This Amazing Engineering Triumph

ACTUALLY HANDLE PEAK LOADS OF 30 WATTS ELECTRICAL INPUT! Where sound output is not sufficient to cover a desired area, two or more speakers should be used rather than increasing the electrical input into a single speaker. For good low frequency response, baffle area the equivalent of a six foot square should be used. For dual operation, two speakers should be mounted on the same baffle. Opposite directional distribution will be obtained by pointing the concave side of the cones in opposite directions. Short horn type baffles may be used with good results for directional distribution. 110 Volt, 50-60 Cycle A. C. operated models use the new type 82 Mercury Rectifier Tube. The filter system is so designed that the hum is unusually low, even considering the high efficiency of the speaker. This has been accomplished



Front View of D. C. Operated Model—Note the 2 1/2 Inch Diameter Voice Coil and Imposing

Appearance Suggesting Ability to Reproduce Enormous Volume!

without any suppression of the speakers low frequency response characteristics. Approved by the Underwriters Laboratories.

In the past, speakers for heavy duty use have generally been deficient, particularly in the low and middle frequency ranges. The uniform high efficiency of the new Jensen Auditorium Speakers makes it unnecessary for the amplifier and associated equipment to have excessive gain in the middle and low frequency ranges in order to make up for this deficiency in the loud speakers. Both Series "M" and "V" Speakers are operated to the best advantage from an amplifier with pick-up or microphone combination having a uniformly level response characteristic.

All Models Are Furnished with Voice Coil Impedance Matching Transformers

When ordering, please state if Series "M" or "V" are desired, also what output tubes you are employing in your amplifier. Voice Coil Impedance: Type "M," 8 ohms; Type "V," 10 ohms. The field coils consume 36.3 watts. The 110 volt D.C. model, for use on 110 volt D.C. Public Utility current, is 160 ohms. The 110 volt D.C. Model, obtaining its necessary 350 volts D.C. from the power pack in a Public Address Amplifier, is rated at 3000 ohms, 110 mls. All connections, field, A.C. Line or Voice Coil (i.e., to push-pull output transformer) are made behind a sheathed terminal block. The over-all dimensions are as follows: 13 23/32 in. tall, 13 5/16 in. wide, 8 53/64 in. deep—requires a 12 in. diameter baffle opening.

D. C. Models

Cat. No. 6958. 6—110—220 Volt D.C. Operated. (State which voltage desired). **\$27.00**

A. C. Operated Models

Require 82 Mercury Vapor Rectifier Tube

Cat. No. 6959. 110 or 220 Volts, **\$40.50**

50-60 Cycles A. C.

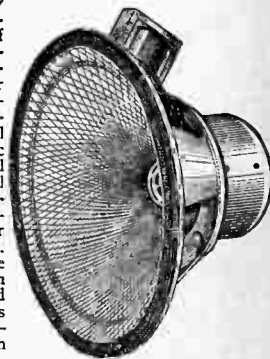
Cat. No. 6960. 110 Volts, 25-40 Cycles A. C. **\$43.50**

Cat. No. 6961. 220 Volts, 25-40 Cycles A. C. **\$46.50**

A. C. Models Consume 50 Watts

Furnished With Impedance Matching Transformers to Suit Power Tubes

Please definitely mention the quantity and type of power tubes employed in your amplifier or receiver—if this information is not furnished us, we will ship a dynamic speaker equipped with a voice coil impedance matching push-pull output transformer for 2-250 tubes. Please note we can also furnish transformers and speakers for Class "B" Amplifiers—merely mention your requirements.



D. C. Operated Models

Cat. No. 6955. 6, 12 or 32 Volts D.C. Use. Mention type Desired. **\$16.50**

Cat. No. 6956. 1000 or 2500 Ohms Field (90 to 140 Volts D.C.) **\$14.50**

110 Volt A. C. Operated Models

Cat. No. 6957. For 25 to 60 cycles use, 82 Rectifier Tube Principle. **\$20.55**

Jensen "Concert" 11½ Inch 110 Volt A.C. Dynamic Speakers

Equipped With Tym-Flex Diaphragm



Uses Either a 280 or Full Wave Mercury Rectifier Tube!

Any further praise we could add here to the quality of reproduction afforded by this Jensen Dynamic Speaker would be superfluous — it is universally acclaimed for its

matchless fidelity of tone, coupled with an ability to stand considerable volume without chattering, blasting or any rattling, even though it may be attached to a three-stage, double push-pull amplifier using 2-250's! To assure maximum performance and satisfaction, a large size diameter voice coil is used, and, therefore, the iron core that governs the movement of that voice coil is also of generous size! The diaphragm itself is made of "TYM-FLEX," noted for its absolute non-resonance. It is impervious to moisture — will never lose its shape, or "buckle." The voice coil assembly is equipped with a rugged centering device, allowing for unusually heavy cone excursion. The diameter of this speaker is "concert" size. It is now universally conceded that a 280 tube rectifier far exceeds the efficiency of the rectifier disc arrangements. An 8 mfd. electrolytic condenser assures that any trace of A. C. hum is entirely eliminated.

Furnished With Voice Coil Impedance Matching Output Transformer
Please definitely state the type and number of power tubes employed, so that we can furnish you with a suitable MATCHED IMPEDANCE OUTPUT TRANSFORMER.

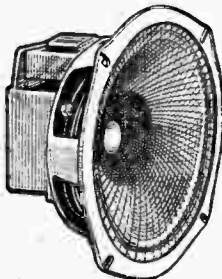
Mounted on a Sturdy Cadmium Plated Chassis

This chassis permits mounting of this speaker on a shelf, or, you can bolt it to a baffle board, by virtue of the four mounting holes located around the outer edge of the speaker frame. 13 in. long, 5½ in. wide, 13¾ in. tall.

Cat. No. 6287. State Output Transformer desired. For 110 volt, 50-60 cycle A. C. **\$11.75**
Cat. No. 6288. Same, for 110 volt, 25 cycle A. C. **\$14.75**

Sonochorde 110 Volt D. C. Dynamic Speakers

Represents a distinct advance in sound reproduction and mechanical design. A new method of cone suspension allows for a small air gap resulting in a highly concentrated magnetic field. A hum bucking ring which balances out the induced A.C. current in the voice coil is built into every unit.



Cat. No. 6290

Reproduces speech and music with remarkable fidelity and is capable of handling extreme power without distortion. The "spider" diaphragm is made of ribbed, non-warping, weather-proof material. Has a 1-inch diameter Voice Coil.

Available with a Voice Coil Impedance Matching Output Transformer, for either single or Push-Pull Tubes . . . state type of tubes to be employed. Also available with three types of field coil resistances: 1000 ohms, 2500 ohms and 1800 ohms (tapped at 300 ohms) . . . state field coil resistance desired!

Cat. No. 6289. 6½ In. Over-all diameter . . . **\$3.75**
Cat. No. 6290. 9 In. Over-all diameter . . . **\$4.95**
Cat. No. 7180. 110 Volt A. C. Model, employing a 280 Tube Rectifier. Same chassis as Cat. No. 6290. Complete with 280 Tube . . . **\$8.50**



Cat. No. 6289

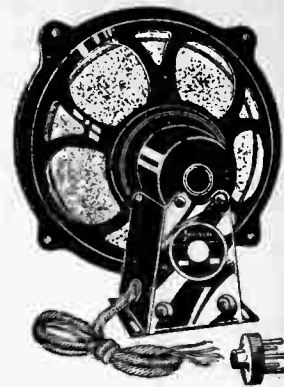
Jensen Concert Model 1,000 or 2,500 Ohm, 90-120 Volt D. C. Dynamic Speaker

"TYM-FLEX" Cone Assures Maximum Volume with Absolute Fidelity Reproduction!

11½ Inch Diameter Requires 10½ Inch Baffle Hole! All Models Are Equipped With Voice Coil Impedance Matching Transformers (For Single or Push-Pull Output Tubes!)

Famed all over the World for its amazing reproducing qualities, and ability to withstand the tremendous outputs of super-power 250 public address amplifiers without distortion or rattling! These speakers are now used and highly recommended by Silver-Marshall, and many other nationally known set manufacturers! A very sturdy and cleverly constructed metal chassis and mounting bracket is a valuable feature. The voice coil is fully protected from dust — assuring noiseless and unimpaired reception. Note that this chassis may be mounted against a baffle, or, on a shelf or platform. The entire rim is felt lined. The diaphragm itself is 10½ inches in diameter, and

the chassis is 5 inches deep overall. Available in any field coil resistance, from 650 ohms to 5,000 ohms—the most popular sizes being 1,000 and 2,500 ohms — unless otherwise specified, we will ship a 2,500 ohm model. Do not judge the quality of this amazing Speaker by its seemingly ridiculous low price . . . Mass production and volume sales have enabled the Jensen factories to make possible the purchase of a Super-Quality Dynamic Speaker within the range of the most frugal. And, were Jensen to charge 50% more for these speakers, they would still warrant your immediate purchase and exclusive adoption!

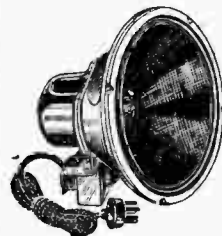


These Speakers Are Conservatively Rated to Handle CONTINUOUSLY 5 to 7 Watts of Undistorted Audio Output . . . However, They Can Easily Handle PEAK WATTAGES of from 15 to 20 WATTS! Many Sound Equipment Engineers Prefer to Employ Two of These Speakers with 12.9 to 16 Watt 250 Amplifiers, and, Four Speakers with 20 to 25 Watt Class "B" Amplifiers. The Voice Coil Impedance is 8 Ohms

The Standard 90 to 140 Volt D. C. Stock Models are the 1000 and 2500 Ohm Models—Please Specify Resistance Value Desired and also State number and type of OUTPUT TUBES used, so that we can furnish a MATCHED IMPEDANCE OUTPUT TRANSFORMER!

Cat. No. 7177. 90 to 140 Volt D. C. Model . . . **\$7.95** Cat. No. 7178. 6 Volt D. C. Model . . . **\$8.90**
Cat. No. 7179. Special OUTPUT PUSH-PULL TRANSFORMER—Matches Voice Coil Impedance of 1, 2, 4, or 8 JENSEN SPEAKERS to 2-250 or 2-46 (Class "B") Tubes—**\$4.95**
State which. Only Required for MULTI-SPEAKER P. A. Installations . . . **25c additional**
Four or Five Prong Plug

90-140 Volt, 1000 or 2500 Ohm Jensen or Rola 9 In. Diam. D. C. Dynamic Speakers



Volume galore! No blasting! No distortion! Just perfect satisfaction! 9 inches over-all diameter—5 inches deep. Requires 8-in. hole in baffle. Burtex cloth diaphragm. Complete with out-pull transformer, with voice coil impedance matching transformer. 90-140 volt D. C. field.

Designed for operation with radio sets with either large or small outputs. It is widely used on current models of multitube superheterodyne receivers with push-pull audio stages.

Please be sure to mention type and number of power tubes employed so that we can furnish a suitable MATCHED IMPEDANCE OUTPUT TRANSFORMER.

Above speakers are available with either 2500 or 1000 ohm fields—unless you specify ohmage, we will ship a 2500 ohm model. A 4 or 5 prong plug, will be furnished for 25c additional.

NOTE: We can also furnish the above speaker in an 1800 ohm model, tapped at 300 ohms! Cat. No. 3342. . . . **\$3.95**

90-110 Volt D. C. 2,500 Ohm Field Jensen or Rola Concert Junior Dynamic Speakers

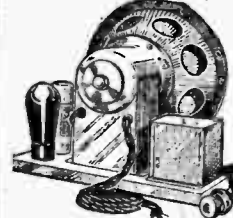
Overall Diameter Only 6½ Inches—Depth 3½ in.! Equipped with a "TYM-FLEX" Diaphragm



Remarkably Compact! Affords thrilling realism and life-like reproduction and produces more than ample volume. Requires

as small a baffle hole opening as 5 inches! Here is a good suggestion: Remove any magnetic speaker chassis from its mantel cabinet, and replace same with this Jensen chassis plus a special A. C. EXCITER (including a 280 Rectifier Tube) . . . you then possess a 110 volt A. C. Dynamic Speaker . . . the smallest in the world! All these speakers are equipped with an OUTPUT transformer, with a secondary MATCHED TO THE VOICE COIL IMPEDANCE. Please definitely state the type and number of output tubes employed, so that we can furnish a matched impedance output transformer. Cat. No. 3334 . . . **\$3.65**

Transformer Corporation of America 110 Volt A.C. or D.C. 2500 Ohm Dynamic Speakers



Equipped With a Perfectly Centered BURTUX CLOTH DIAPHRAGM

Unusually well designed and strongly constructed, on a heavy gauge cadmium plated metal frame. The Burtux Cloth Fabric Cone is perfectly balanced and is capable of generous

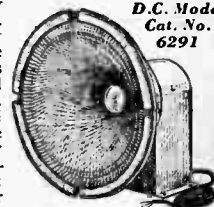
excursion movement due to a series of ridges along the periphery. The baffle mounting surface is covered with a ⅜ in. thick felt edge. Four mounting holes are provided along the outer edge of the metal frame, as well as four holes in the sturdy metal bracket stand.

The output transformer is enclosed within the stand. A unique means is employed to keep all dust and dirt from reaching the voice coil—assuring trouble free and always satisfactory performance. Dimensions of D. C. model: 9½ in. overall diameter (7 to 8½ in. diam. baffle hole required); 9¾ in. tall, 7 in. deep.

Cat. No. 6291. 110 Volt D. C. 2500 Ohm Field Dynamic Speaker (State output tubes employed so we can furnish a suitable MATCHED IMPEDANCE OUTPUT TRANSFORMER) . . . **\$3.95**

Cat. No. 6292. 110 Volt A.C. 50-60 cycle. (25 cycle \$3.50 additional). Model A Complete with 280 or Mercury Rectifier Tube . . . **\$8.95**

State Output Transformer Desired. . . . **\$3.95**



D.C. Model Cat. No. 6291

Crosley 14 Volt, 70 Ohm 250 Mil. D.C. Dynamic Speaker

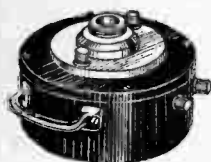


Ideal for use as a dynamic speaker and filter choke (250 mils.) in 110 volt D. C. sets, thereby giving you two vital instruments for the price of one! Or, the 14 volt (70 ohm) field may be wired in series with the D.C. tube filaments. Can also be used with a step-down 14 volt transformer and Elkon rectifier, thereby making an A. C. operated Dynamic Speaker! Complete with an output push-pull transformer. (Can also be used with single output power tubes.)

Cat. No. 3378. . . . **\$3.95**

MACY PUBLIC ADDRESS SOUND DISTRIBUTION EQUIPMENT.

Giant Electro-Dynamic Horn Unit



Normal Operating Wattage 10—Will Handle Peak Loads Up to 30 Watts!

Available with 6 Volt -32 Volt-110 Volt and 220 Volt D. C. Fields. The 110 Volt D. C.

Field Excitation Can Be Supplied from A Power Amplifier!

Actual weight 19 lbs! Equipped with standard thread nipple. Audio frequency response: 50 to 8,000 cycles. The 6 volt D. C. model requires a field supply of 1.6 amperes at 6 volts D. C. The source of supply may either be a 6 volt storage battery or a rectifier that will give 6.8 volts D. C. from 110 volts A. C. The standard voice coil impedance is 16 ohms. For use with power pack field excitation, we suggest a 2500 ohm field coil which will draw only approximately 45 mils.

Cat. No. 6293. 6 Volt D.C. Model. }
Cat. No. 6294 110 Volt D. C. Choice } **\$29.40**
of 1000-2500-3000 Ohm Field Model }

Junior Model

Operates on an output of 7 to 10 watts. Actual weight—10 lbs. Standard nipple thread coupling. Frequency response 50 to 8,000 cycles. Requires 6 volts D. C., at 1.6 amps. to excite field.

Cat. No. 6295. 6 Volt D. C. Model }
Cat. No. 6296. 110 Volt. Choice } **\$22.35**
of 1000, 2500, 3000 Ohm D. C. Model }

(NOTE: If desired in other D. C. Voltage Ratings, please definitely state so.)

Special 110 Volt A. C. Operated Horn Unit Type Dynamic Units

GIANT MODEL

Employs a unit quite similar to Cat. No. 6293 and 6294 above described. Normal wattage operating capacity: 10 WATTS! Furnished complete, for direct use from any 110 Volt, 25 to 60 cycle (please specify) A. C. Socket.

Cat. No. 7170. 110 Volt A. C. Giant Horn Type Dynamic Speaker Unit **\$38.50**
Cat. No. 7171. 110 Volt A. C. JUNIOR TYPE (See Cat. No. 6295 and 6296 above) **\$31.50**
DYNAMIC SPEAKER UNIT

6 Volt D. C. Exciter

For Direct Current Charging of the Magnetic Fields in Above 6 Volt Units



This EXCITER overcomes storage battery troubles and furnishes 3 amperes of direct current, at 8 volts, without audible alternating current hum, from 110v-120v. 60 cycle power supply. Enclosed in a perforated metal cased unit. Will not hum or over-heat.

Cat. No. 6299. Model for Exciting one 6 Volt Unit **\$11.76**
Cat. No. 6300. Model for Exciting Two 6 Volt Units **\$20.58**
Cat. No. 6301. Model for Exciting Four 6 Volt Units **\$35.28**

Single, Dual, Triple Unit Horn Distribution Coupling Adapters



affected by its use.

* Dispersion angle of TRIPLE conductor—105 degrees. Cat. No. 6302. **\$5.30**
Dual Horn Coupler **\$8.82**
Cat. No. 6303
Triple Horn Coupler

For more diversified distribution of sound over a wide area, it is best to employ two to three exponential horns. This coupler permits the use of one speaker unit for just this purpose. Dispersion angle of dual unit 75 degrees. The quality of reproduction is not

6 Foot Exponential Air Column Suspension Horn



Especially adapted for: Medium Size Theatres, Ice Skating Rinks, Dance Halls, Small Auditoriums, Churches, etc.

Designed primarily to reinforce the voice reproduction in theatres. It has found usefulness in portable talking picture installations, centralized radio systems, for sales conventions, schools, etc. Its compact size, carrying and tonal qualities are startling in realism.

Air Column... 6 feet Depth 26 3/4 inches
Weight 26 pounds Bell 29x29 inches
Cat. No. 6304 **\$32.35**
Less Unit

10 Foot Air Column Horn One of the Finest Sound Reproducers Ever Developed for Talking Pictures

For all standard makes of Dynamic Air Column Units. Reproduction 50 Cycles to 8,000 Recommended for: Large Size Motion Picture Theatres, Dance Halls, Ice Skating Rinks, Churches, Large Auditoriums.

Air-column 10 Feet Depth 36 Inches
Weight 58 Pounds Bell 45 x 45 Inches
Cat. No. 6305 **\$66.15**
Less Unit

Trumpet Horns



Equipped With Standard Threaded Coupling Sleeve

Especially recommended for: Conventions, Open Air Assemblies, Political Gatherings, Hotels, R. R. Stations, Race Tracks, Athletic Fields, Stadiums, and all indoor applications.

3 1/2 Ft. Trumpet 22 Inch Round Bell
De Luxe Model: Equipped with cast aluminum throat, beaded edge, and suspension ring. For interior use and temporary exterior use. Cat. No. 6306 **\$11.76**

Storm-proof Heavy Duty: Equipped with demountable throat, beaded edge and suspension ring, coupling for dynamic units. Will stand up in any climate, and during the four seasons.

Cat. No. 6307 **\$18.23**

6 Ft. Model 30 In. Round Bell

De Luxe Model: Equipped with metal beaded edge, cast aluminum throat, and suspension ring. For interior use, or occasional out-door use, weather conditions permitting.

Cat. No. 6308 **\$28.22**

Storm-Proof Model. Heavy Duty, equipped with demountable aluminum throat, one inch metal beaded edge, suspension ring, finish French Gray.

Cat. No. 6309 **\$32.35**

R.C.A. "Photophone" Dynamic Speaker Unit

Can Be Used With Any Exponential Theatre Horn or Trumpet Horn



Continuous handling capacity: 10 watts. Peak load capacity, 30 watts. Voice coil impedance, 15 ohms. Fitted with standard threaded nipple. Frequency response, 30 to 10,000 cycles.

Cat. No. 7172. 6 Volt D. C. Model (1.6 Amps.) **\$51.60**

Cat. No. 7173. 1000 Ohm D. C. (90 to 140 Volt) **\$52.75**

Cat. No. 7174. 2500 ohm D. C. (90 to 140 Volt) **\$53.65**

Cat. No. 7175. 110 Volt, A. C. Operated Model **\$59.75**

Square Flare Trumpets

Ideal for All Out-door Installations—Fully Weather-Proof!



Especially designed for sound truck use! All joints are metal re-inforced. Aluminum tone arms. All aluminum finish. Furnished with standard threaded nipples.

3 1/2 Ft. Model Bell 24 In. by 24 In.

Cat. No. 6310 **\$17.65**

6 Ft. Model Bell 30 In. by 30 In.

Cat. No. 6311 **\$32.90**

Cone Type Dynamic Speaker Baffle Trumpets

Can Be Used as Baffle With Any Dynamic Speaker Chassis, Which Mounts Within a Weather-Proof Chamber, Measuring 15" x 15" x 15". (State diameter of opening desired on baffle board.)



4 Ft. Long Trumpet Bell 30" x 22"

Special all weather material. All joints are metal reinforced. Standard finish aluminum.

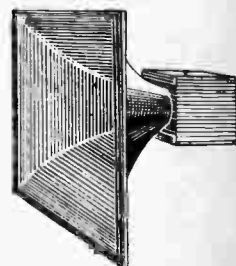
Cat. No. 6312 **\$17.64**

6 Ft. Long Trumpet Bell 31" x 31"

Cat. No. 6313 **\$21.15**

Auditorium or Sound Truck Super-Power Dynamic Cone Speaker Baffle Horn

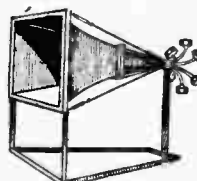
This Is the Ideal Baffle Arrangement to Use in Conjunction with the new 30 Watt Jensen Dynamic Speaker Chassis



Metal Re-inforced throughout—built to withstand every possible rough usage! Aluminum finished. Depth of Horn, 36 in. The Bell measures 60"x60". The dynamic speaker chamber is fully protected from weather, and measures 15"x15"x15". The baffle can be furnished with any diameter hole opening—please give this information!

Cat. No. 6314 **\$58.80**

10 Mile Range—Six Unit—Exponential Horn



Length of Air Column: 8 Ft. Size of Bell: 63 in. x 41 in.

Weight of Horn Less Units: 68 lbs.

Provided with six standard threaded giant unit couplings. The sum total of volume furnished by

these units is so tremendous that it beggars description! Is made of special acoustic material and is of superior construction. Will withstand all climatic conditions. It is recommended for political gatherings, athletic games, airports, life saving stations, steamships and wherever distant communication is essential.

Cat. No. 6315 **\$102.90**
Less Units

General Electric Phonograph Induction Motor



Equipped with a 12-Inch Turntable and Automatic Speed Control.

Absolutely noiseless in operation, and will not cause any electrical disturbance, even while the radio is being operated. Contains double phase, and compound wound induction coils, actuating a perfectly balanced armature disc. A speed control governor is included—it is controlled by an automatic principle. Quick starting—powerful torque! Ideal for home or commercial use! Compactly constructed: 4 1/4 in. deep behind mounting platform, 7 1/4 in. long. For 110 volt, 60 cycle A. C. Cat. No. 2957 **\$7.95**
Cat. No. 2957-A For 110 Volt, 25 Cycle A.C. **\$10.95**

Nathaniel Baldwin Unit

Contains an unusually large horseshoe magnet, and heavily ribbed aluminum diaphragm. The neck is threaded, and is 3/4 in. in diameter. Over-all dimensions: 3 1/2 in. diameter, 2 in. high. Will not rattle or distort. Cat. No. 225 **\$9.95**



"Upco" Chromatic Professional Pick-Up



Equipped with Built-in Volume Control. Employs highly improved pivot balance leverage, assuring perfect weight distribution and control of needle. Used in Theatres and Public Address Systems, and generally preferred by those "in the know." Cat. No. 2878. **\$6.95**

Special 400 Ohm Low Impedance Model

Professionals prefer low impedance pick-ups. This model is particularly noted for its unusual sensitivity, and ability to produce huge volume!

Cat. No. 7146 **\$8.95**
Cat. No. 7147, Special 400 Ohm Matched Impedance Phono. Input Transf. **\$2.75**

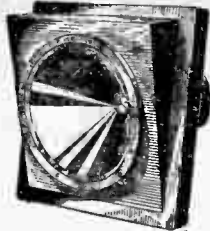
Pacnet Combination 33 1/3 and 78 R.P.M. "Phonovox" Pick-Up



Eliminates the possibility of jumping grooves. Fitted with a Micro-Weight adjusting screw. By the mere twist of the thumb screw the needle pressure weight of the new Pacnet Phonovox may readily be adjusted from zero to five ounces. The pickup, therefore, can be readily adjusted to proper weight for either new long playing records or standard records and further compensation can be made for varying turntable heights which have much to do with increasing or decreasing needle pressure.

Cat. No. 7470. **\$7.94**
For Dual Speed Operation. Cat. No. 7471. Same as Cat. No. 7470, but equipped with 16 in. Theatre Record Tone Arm. **\$9.40**

RCA Auditorium and Public Address 110 Volt D. C. and A. C. Dynamic Speakers



Front View of Baffle Model

Ideal for Use in the Home, Theatre, and for All Indoor or Outdoor Public Address System Installations Available If Desired with Heavy Cast Iron Baffle Excellent for Use With All Class "A" and Class "B" Public Address Amplifier Installations!



Rear View of A. C. Model

Conservatively rated for continuous use handling approximately four watts, these speakers can be safely employed to handle peak load capacities of up to 15 watts! It is therefore suggested to employ at least two of these speakers in conjunction with an amplifier system producing 12 to 15 watts, and at least four with 20 to 25 watt systems, for life-long service. Inasmuch as these specifications are ultra-conservatively computed, you can employ one-half the quantity speakers suggested, with possibly equal satisfaction. The frame measures 2 ft. square by 1 1/2 in. wide—the iron itself is 1/4 in. thick! The field coil resistance is 1000 ohms, and requires from 80 to 130 volts D. C. to actuate it, from 80 to 130 mils. The resistance and impedance value of the voice coil is 15 ohms. The voice coil is actually 1 1/4 in. in diameter, the largest known "pot" coil is used—fully 5/2 in. diameter by 5 1/2 in. long. The resultant magnetic field produced is really tremendous. The Cone itself is 12 in. in diameter, and the diameter across the iron ring mounting frame disc is 15 in. A dust-proof cover is set in the back and its purpose is quite obvious.

Cat. No. 2993. 110 VOLT D. C. MODEL **\$6.95**
Less Baffle and Output Transformer

Cat. No. 2994. 110 VOLT A. C. MODEL. Equipped with a 280 Tube and complete Self-Rectifier

Cat. No. 2994-A. Same as Cat. No. 2994, but equipped with 2-280 Tubes AND A DUAL TUBE SELF-RECTIFIER.... **\$14.75**

Cat. No. 7148 Cast Iron Baffle **\$1.95**
Cat. No. 7149. Matched Output Impedance Transformer—for 1-250 **\$1.75**

Cat. No. 7150. Matched Output Impedance (1 or 2-250) Transformer, for 1-2-4-8-16, Multi-Speaker Installations **\$4.75**

Cat. No. 7151. Same as Cat. No. 7150, but for 2-46 Class "B" Push-Push Tubes **\$6.75**

Sound Truck Model: Equipped with six volt D.C. Field Coil for use with a 6 or 12 Volt Auto Storage Battery **\$15.00**

New—Improved R.C.A. 15 Watt Continuous Duty D. C. and A. C. Auditorium Speakers

Available only, less baffle. Ideal for heavy duty amplifiers, such as 20 to 25 Watt Class "B" models, with which at least 2 of these speakers should be employed. HANDLES PEAK LOADS OF UP TO 25 WATTS! 12 in. diameter overall. Furnished with IMPEDANCE MATCHING TRANSFORMERS, 10 in. deep.

Choice of 1000 or 2500 Ohm D. C. Models—State Which! For 1 or 2-250 Tubes

Cat. No. 7152. D. C. Model **\$19.50**
Cat. No. 7153. 110 Volt A. C. Model. Complete with 1-280 (or 82) Tube **\$24.50**

For 2-46 Class "B" Tubes

Cat. No. 7154. D. C. Model **\$21.50**
Cat. No. 7155. 110 Volt A. C. Model. Complete with 1-280 (or 82) Tube **\$26.50**

Fulton-Simpson Magnetic Speaker Chassis

Actuated by a Stromberg-Carlson Heavy Duty-Giant Size Unit



Cat. No. 2951 within a bakelite, dust-proof case, assuring permanent and 100% efficient performance.

The reproductive qualities will amaze you with its sheer reality... few dynamic speakers can boast of as equally perfect rendition! Will not blast, chatter or rattle. An ideal chassis to employ in automobile installations, with portable sets, and as a General Replacement Chassis due to its unusual compactness! 8 3/4 in. diameter, 4 3/4 in. deep. The entire operating mechanism of the unit itself is completely housed



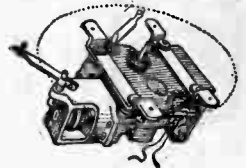
Cat. No. 2952

Ideal for use in conjunction with multi-speaker public address installation systems. General All-Purpose Model

Cat. No. 2951. **\$2.20**

SQUARE FRONT BAFFLE MODEL. Cat. No. 2952. Mounted within a square front metal chassis (self baffling effect!), 9 3/4 in. x 9 3/4 in. x 4 3/4 in. deep **\$3.35**

Two Speed (33 1/3 or 78 R.P.M.) Governor Controlled Electric Induction Phonograph Motor



The shift from one speed to the other is accomplished by simply moving a lever. All gears are completely enclosed and run in oil. Silent spiral-cut gears made from laminated Bakelite. Long oversize self-lubricating bearings. Absolute uniformity of speed under severe variation of voltage and record drag. Will not overheat in closed cases and cabinets. Furnished with the following valuable accessories: 10" or 12" turntable (Felt or Velvet-covered). Dial and Pointer Speed Regulator. Speed Change Pointer. Speed Change Escutcheon Plate. Hardware in Nickel, Oxidized, Brass, Gold Lacquer, or Statuary Bronze finish. (Automatic Stops are optional.) For 110 volts A.C., 60 Cycles. (For any other voltage or frequency, add 25%). Cat. No. 5422. 10 In. Turntable Model **\$9.75**
Cat. No. 5422-A. 12 In. Turntable Model **\$10.75**
Cat. No. 5422-AA. 12 In. Turntable Model equipped with an automatic stop. **\$14.75**

Stromberg-Carlson Magnetic Speaker Unit



Overall dimensions: 4 1/2 in. high, 3 3/4 in. wide, 1 3/4 in. deep (not including stylus).

Famed for its ability to faithfully reproduce throughout the tonal register, and not rattle under any average load! Excellent for general replacement purposes! **\$1.25**
Cat. No. 2953

Universal Magnetic Speaker Replacement Chassis

Ideal for Installation in All R. C. A. 100-100A-100B and 103 Magnetic Chassis

BURTEX CLOTH diaphragm. The armature is accurately centered, and will never waiver from its permanent adjustment.

THE TUNGSTEN STEEL MAGNET IS FULLY 4 3/4 in. LONG! 9-in. diameter rim—total depth, 5 3/4 in. Cat. No. 3346 **\$2.45**

"Coast to Coast" Compact Magnetic Speaker Ideal for General Replacement Purposes, Portable and Auto. Receivers

Unit—A new development—simple in construction and extremely efficient—magnet of "Chrome" steel. Cone—6 in. diameter, made from moisture proof fabric formed into our specially designed shape. Mounting—non-metallic bracket requiring a maximum span at its widest point of 6 3/4 in. Quality—This Magnetic Speaker is highly efficient and covers the tone range in a surprisingly satisfactory manner. Tone quality is excellent.

Cat. No. 5008 **\$1.50**

General Electric Co.
"Feather Balance" Phono.
Pick-Up



In the Hall of Fame of Radio, possibly the Internationally renowned and respected name of GENERAL ELECTRIC CO. rightfully occupies first position . . . and this product is indeed a further achievement of their laboratory. So ingeniously designed and constructed, the actual weight riding on the surface of the record is reduced to almost that of a "feather touch," greatly reducing needle scratch and considerably conserving the life of records it plays. Extremely sensitive over the entire musical register—produces enormous volume. Handsome bronze finish—tastefully embossed design. Standard low impedance rating.

Cat. No. 6353. G-E Pick-up Only **\$12.95**
 Cat. No. 6354. Special Matched Impedance Phono. Input Transformer **\$3.90**

General Electric-RCA Universal Phono. Pick Up Tapped Impedance Matching Transformer



Can Also Be Used as a Variable Impedance Audio Choke of 30 Henries Inductance Tapped at 15, 6 and 3.

Enclosed in an attractive bronze finished steel case, measuring 5 in. long, 2 3/4 in. wide, 2 3/4 in. tall. Complete with adjustment knob, escutcheon plate and two heavily insulated silk covered dual conductor cables. Any phono. pick-up, either high or low impedance type, is connected to the primary side cable. By rotating the switch, you match the impedance of this coupling unit to the pick-up being used. Employing, as it does, a step-up transformer, this unit virtually serves as a Booster Amplifier. There are four impedance values available.

Cat. No. 6363. **\$3.95**

"Carryola" Electric Phono. Pick-Up and Spring-Wound Motor

Ideal and Invaluable for Use in Sound Trucks or Autos—Obviates Necessity for Electric Current to Rotate Turn-Tables.



Handsome enclosed in an unusually sturdy leather covered case, measuring 14 in. long, 11 1/2 in. wide, 6 in. high, weighing only 10 lbs. The mechanism wind handle is carried within the case, when not in use. The plush covered turn-table revolves free of wobble and will accommodate 10 or 12 in. diameter records. A spring clasp holds the electric pick-up in position, when not in use. A speed governor is included and all metal parts are neatly nickel plated.

The output terminals consist of two tip jacks, firmly embedded within the case, yet accessible from the outside. A special cable and plug, for Radio socket connections, is included.

Cat. No. 5716. **\$4.75**

Phono-Radio Switching Coupler



Consists of a Detector Tube 5-prong adapter with the cathode separated and leads coming from it going to the secondary of

the matched impedance phono pick-up. Coupling Transformer and a Toggle Switch. Ideal for use with any set. Pick-up feeds into primary of transformer, stepping up voltage. Toggle switch provides instant change from radio to phono-graph and vice versa, as switch is in ground side cannot cause oscillation. 4 foot lead wires furnished.

Cat. No. 6355. 5 Prong Adapter, Automatic Phono-Radio Switch, and Phono. Input Transformer **\$2.95**

Cat. No. 6356. Same, less Input Transformer **\$1.49**

The Ideal Combination 33 1/3 and 78 R.P.M. Phono. Team
"Coast - to - Coast" Heavy - Duty Combination Dual Speed 33 1/3 and 78 R.P.M. Governor Controlled Electric Motor.



A tribute to its master designers—represents the very last thought in mechanical and electrical perfection! Incorporates every

improvement and valuable feature, such as: Instantaneous Selection Cam Switch for 33 1/3 or 78 R.P.M. operation; automatic stop; hum free and sturdy induction motor; 12 in. Velvet-covered turn table; completely enclosed oil sprayed gears, spiral cut from silent operation laminated Bakelite; automatic heat dissipation; self-lubricating oversize bearings; constancy of speed of turn-table R.P.M. despite voltage variations or "record drag," etc. Complete with all fittings, such as turn-plate, dial and pointer speed regulator, speed change pointer and escutcheon plate, etc. FULLY GUARANTEED!

Cat. No. 6357. **\$14.75**

SPECIAL OFFER: If you purchase at one time, both the motor and pick-up above described, the combination price is **\$21.50**

In Use by Many Broadcast Studios, Theatres . . . Exceptionally Ideal for Home Use or With Any P. A. Amplifier



The unique leverage principle employed provides for compensation of rising and falling electric phono. motor turn-tables, warped records, etc. By a cleverly balanced leverage system, just enough needle point contact is permitted, thus considerably reducing needle scratch possibilities. Its remarkable sensitivity and all frequency response stamps this pick-up as highly desirable—covers the entire musical register, from 32 cycles clear up! The self-enclosed volume control serves considerable advantage and usefulness! We hardly believe a better dual speed pick-up is available! Handsomely finished!

Cat. No. 6358. **\$8.95**

Webster Phonograph Pick-Up

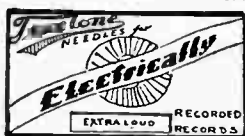
Possesses these truly valuable features: Low-inertia stylus bearing, utilizing an all-metal pivoting action, eliminates necessity for bulky construction.



Positively no rubber on bearings. Perfect balance is assured . . . Small and compact, perfectly balanced, light in weight. Weight of head on record only 5 ozs. No counter-balancing or springs necessary . . . Highest grade Cobalt magnet of greatest possible density is used . . . Shock absorbing arm bearing with pivot at base . . . The yoke which pivots arm is arranged so entire pick-up head can be elevated to proper height for inserting needle . . . Volume control incorporated in base—compact and easy to install . . . Construction lends itself easily to use of varied lengths of arm for either standard or talking picture records . . . Cover of pick-up head and arm finished in bronze; back of head and base finished in black enamel.

Cat. No. 1300. **\$7.95**

Truetone Extra Loud Electrical-ly Recorded Ten Record Playing Needle



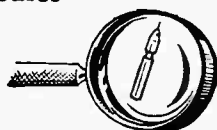
Brass Plated. Will actually conservatively play 10 Records without showing signs of wear. Preferred by professional users.

Cat. No. 6359. Per Packet of 50 Needles **9c**
 Per Display Carton of 50 Packets **\$3.95**
 (2500 needles)

Cat. No. 6360. Regular Steel Needle, Plays records once. Per 1,000. **90c**

General Electric-Victor 300 Record Playing Tungs-Tone 33 1/3 and 78 R.P.M. Semi-Permanent Phono. Needles

Ideal for All Public Address Amplifier and Broadcast Studio Application



Especially designed for playing the electrically recorded 33 1/3 and 78 R.P.M. records. Extreme sensitivity produces tremendous volume, yet the needle surface noise is reduced to a bare minimum! Designed to play 300 Records—and all equally well. Fits all phono. pick-up needle chucks.

Cat. No. 6361. Each **95c**
 Six for **\$5.00**

Audak Model 20 Combination 33 1/3 R.P.M. and 78 R.P.M. Electro-Chromatic Pick-Up



The proven and universal acknowledgment of A U D A K ' S supremacy in the phono. pick-up market needs no

further elaboration here. Furnished with an external volume control. **\$9.25**
 Cat. No. 5426.

Phono. Pick-Up "Scratch" Filters Variable Model

Contains a Resonant Tuning Arrangement with a Variable Inductance to Capacity Ratio!



Minimizes the always objectionable scratch, caused by friction of a pick-up needle. The variable control "cuts off" any desired, objectionable scratch frequency, without affecting the actual notes to be reproduced. Used in many talking moving picture sound installations. Can be attached in a second—phone tips of both pick-up, and input of amplifier are plugged into convenient tip-jacks. Enclosed in an attractively finished, steel case, with mounting flanges. (May also be mounted behind a panel, with control knob facing the operator.)

Cat. No. 2546. Complete with Variable Scratch Frequency Cut-off Control. **\$5.95**
 Cat. No. 2545. Less Control Knob. The frequency cut-off is pre-determined, and suffices for average requirements. **\$3.95**

Genuine Sapphire Blue Sapphire Life-Service Phono. "Needles"

For Professional and Amateur Use! These blue sapphires possess nine-tenths the hardness of diamonds! Are absolutely genuine!

Cat. No. 5701: For Grooving and Recording on Aluminum Discs. **\$4.75**
 Cat. No. 5702: For Recording and Reproducing on Victor Type blank black composition Home Recording Discs. **\$4.75**
 Cat. No. 5703: For Reproducing (Playback) Only, for commercial records such as Columbia, Brunswick, Victor, etc., etc. **\$4.75**

R.C.A.-Victor 200 Ohms Low-Imped. Pick-Up Head

Contains a Cobalt steel permanent magnet housed within a bronze finished brass case. Makes an ideal replacement on R. C. A. — Victor — Brunswick — G. E. — Westinghouse, etc. Phono. Combinations. **\$2.50**



Cat. No. 6362. **\$2.50**

Utah Stadium 110 Volt D. C. Dynamic Speaker

1000 or 2500 Ohm Field Coil Models



Overall diameter, 12½ in., 5½ in. deep, 11 in. diameter baffle hole required. Capable of producing tremendous, distortionless and rattle-free reproduction. UTAH quality is too well known for further discussion herewith. Furnished with VOICE COIL—IMPEDANCE MATCHED OUTPUT, SINGLE or PUSH-PULL TRANSFORMER, for ANY type output power tube—be sure to furnish this information!

Cat. No. 5428..... **\$6.35**

Wall Installation "BBL" Magnetic Speakers



This is the ideal Magnetic Speaker Chassis to use for general replacement purposes or in Multi-Speaker public address installations!



This Magnetic Speaker Chassis is famous the world over! 9-inch diaphragm, made of moisture proof Burtex Cloth. Uses ultra-powerful B. B. L. unit. Can be placed behind any suitable baffle board, or mount in any console. Now costs less than former price of unit alone!

Cat. No. 1305..... **\$3.25**

Wall Type Speaker

Especially designed for installation in Hotels, Hospitals, Schools, and wherever reception is distributed from a centralized amplifier. Furnished complete ready for installation in wall. Cat. No. 6325 Speaker, less Volume Control and Selector Switch..... **\$7.55**

Cat. No. 6326 Speaker, with Volume Control..... **\$8.50**

Cat. No. 6327. Speaker with Volume Control and 5 Channel Selector Switch..... **\$9.45**

Pressed Wood Highly Decorative Speaker Grille

Handsome piece of carving. Natural finish, can be stained any finish. Many brad nail holes are located for mounting purposes.

19¼ in. long, 11¼ in. wide

Cat. No. 6328..... **35c**
\$3.75 Per Dos.



R.C.A. No. 106 and 62 Dynamic Speaker Rectifier Stacks

R.C.A. Part No. 6898



Ideal for use wherever it is desired to convert a 110 volt D. C. Speaker into a 110 volt A. C. operated model. Delivers 110 volts D. C., 100 mils., D. C., output with load. 5 in. overall length, 1½ in. diameter.

Cat. No. 6329..... **\$2.50**

Radiola 1200 Ohm 104 Loud Speaker Coils

RCA Part No. 5338

Cat. No. 6330..... **\$1.45**

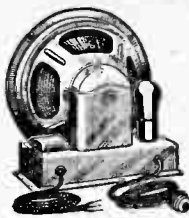


Victor Field Coil

Here is the genuine replacement dynamic speaker field coil as required in VICTOR R32, RE45, RE 52 and RE75 Receivers.

Cat. No. 7181..... **\$1.95**

Utah A.C. Operated 110 Volt Dynamic Speaker Chassis



A new speaker arranged for A. C. field excitation and incorporating modern dynamic design practice. The result is a reproducer capable of handling enormous volume with absolute tone fidelity. Adaptable for use in the house, theatre, large hall and for outdoor service.

Can be supplied for all standard output tube arrangements. The rectifier used is the No. 280 Tube operated at 150 volts—60 M. A. on 110 volts 60 cycles alternating current. Voice coil impedance is 6 ohms at 400 cycles.

SR. MODEL

Frequency Response 50 to 6000 Cycles
Dimensions: Overall diameter of head, 10". Baffle opening diameter max. 9¾". Depth—front to back, 5½".

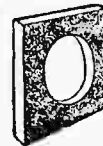
Cat. No. 6331..... **\$8.90**

Less 280 Tube.....

NOTE: Please state type of output tubes employed—we will furnish a suitable MATCHED IMPEDANCE OUTPUT TRANSFORMER.

Celotex Baffle Board

Non-resonant—ideal for use in home, theatre, or in conjunction with P.A. Amplifier Installations: If a hole is desired, add 50c to prices quoted below, and state exact diameter desired. It is no effort to cut out the hole desired yourself!



Cat. No.	Size	Your Cost
6332	12 x 12 in.	30c
6333	18 x 18 in.	80c
6334	24 x 24 in.	1.40
6335	36 x 36 in.	2.63
6336	48 x 48 in.	4.40
6337	36 x 72 in.	5.30
6338	48 x 72 in.	7.05

Cabinet Model 110 Volt A.C. Dynamic Speaker

Equipped with 280 Tube Rectifier



Sensitive enough to operate very satisfactorily on sets using as low as 90 volts "B" plate voltage—and sturdy enough to withstand the terrific output of the most powerful 250 public address amplifiers, without any distortion or rattle! The faithfulness of its reproductive ability is positively amazing and uncanny in its realism! Contains a push-pull output transformer, making it adaptable to all sets and power packs. The 280 rectifier tube, used in place of the somewhat troublesome metallic rectifiers, assures a constant and powerful magnetic field! Housed in a most tastefully designed and most pleasingly finished mantle cabinet of most exquisite woods.

Mention if you are using 1 or 2 power tubes, and their type, such as 171-245-247-250. We will then furnish a suitable output transformer to match!

Cat. No. 1849..... **\$12.95**
With 280 tube.....

Peerless Cabinet Model Magnetic Speaker

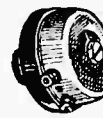
Employs a Stromberg-Carlson Unit!

The Peerless cabinet (above illustrated) of tasteful and pleasing decorative mode, is a fitting companion to the STROMBERG-CARLSON unit housed within, producing a speaker therefore, both attractive to the eye and ear, of the most discriminating Radio Purchaser.

Cat. No. 323..... **\$5.95**

Kellogg Adjustable Magnetic Speaker Unit

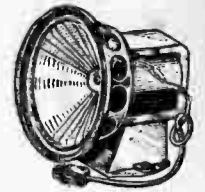
Equipped with a standard ¼ in. threaded brass nipple, firmly embedded in a bakelite screw on cover. Adjustment made on rear metal cover plate. Polarity indicated terminals. Over-all diameter 2½ in.; 2 in. deep.



Cat. No. 6339..... **85c**

Victor R-32, RE-45, RE-52, RE-75 2,500 Ohm D. C. Dynamic Speaker

To satisfy the steady and unceasing demand for this really excellent dynamic speaker, we have made arrangements whereby these chassis are being removed from the amplifier with which it was originally furnished—it is impossible for us to obtain new ones from the factory, and you should consider yourself fortunate that we can furnish them at all! This speaker is noted for its unusual rigidity and ability to withstand enormous volume, without any trace of blasting. A Burtex Cloth diaphragm, over-size field coil, heavy cast-iron frame work are some of its exclusive features. 7 in. diameter cone—overall diameter: 9 in., depth 8 in. Field coil diameter 3¼ in., 3½ in. long!



Cat. No. 3376..... **\$4.75**

1800 Ohm—(300 Ohm Tapped) 90 to 140 Volt D. C. Dynamic Speaker



The 300 ohm tap provided serves as bias for a single Pentode tube—also serves as "hum-bucker." No filter choke in power back is required—diagram furnished. Overall diameter 8¾ in., 5 in. deep; including readily removable output transformer, reducing depth to 3 in.!

Cat. No. 5427..... **\$2.95**

Ultra-Compact Rola 110 Volt A.C. Dynamic Speaker Chassis

Equipped with 280 Tube Rectifier

Can Fit Any Magnetic Speaker Mantel Cabinet!

Total Overall Width:

7½ Inches!

Total Overall Height:

6½ Inches!

Total Overall Depth:

4 Inches!

Baffle Hole Required:

5 to 5¾ Inches!

Capable of Huge Volume—Free of Distortion

The Rola name... speaks for itself! The compactness of this speaker has not caused any sacrifice of quality. To insure hum-free performance, an 8 mfd. Electrolytic Condenser is incorporated. The quality of reproduction in the lower register, as well as in the higher, is remarkably lifelike.

Available With Single or Push-Pull Output Transformers for matching impedance of any type A.F. Output Tubes, State which.

Cat. No. 5417-A. Attractive Compact Walnut Mantel Cabinet..... **\$1.95**

Cat. No. 5417..... **\$6.95**

Highly Improved—Extremely Sensitive

BRANDES 2000 OHM PHONES



Known the world over, and rightly so. Pay a few cents more for the extreme satisfaction you will derive from these amazingly sensitive head-phones!

Cat. No. 190-A..... **\$2.75**

Short Wave and Ship or Shore Use Head Phone

Preferred by many professionals, due to extreme lightness. Represents latest modern perfection, both electrically and mechanically! Rating 2000 ohms.

Cat. No. 191..... **\$1.65**

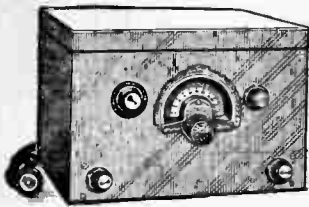


Genuine Nathaniel Baldwin Type "C" Phones

Cat. No. 7182..... **\$3.95**

Fully Assembled (Unwired), or Factory Wired

"Coast-to-Coast" 7 Tube Screen Grid Pentode, 10 to 200 Meter Short Wave Super-Heterodyne A. C. or Battery Operated All-Signal RECEIVERS WITH 8 INCH MATCHED D. C. DYNAMIC SPEAKER



Do Not Confuse This Apparatus With an S. W. Converter—It Is a Self-Contained Receiver

Requires No Cumbersome Plug-in Coils! One Master Automatic Switch Offers Instantaneous Selection of 10 to 20 Meter, 20 to 40 Meter, 40 to 80 Meter and 80 to 200 Meter Short Wave Bands! Self-Contained A. C. Operated Model Requires 2-58, 1-57, 1-56, 1-17, 1-Wunderlich Detector, 1-80 Rectifier.

Use of Wunderlich 2nd Detector Assures Double Volume!

Due to the dual grids, full wave rectification is made possible, rectifying both halves of the carrier wave, thereby supplying double the output than that of an ordinary detector. AT THE SAME TIME, this tube acts as an EFFECTIVE AUTOMATIC VOLUME CONTROL!

Conceded to Be One of the Most Effective Short-Wave Receivers on the Market! Permits World-Wide Reception! Even the uninitiated can logically deduce this, by merely studying the illustration herewith—its manner of layout, assembly and features herein discussed bespeaks the many months of research work undergone in our Laboratories perfecting a Short-Wave Receiver that would on one hand deliver perfectly satisfactory performance and results, and on the other hand, be sold at a popular price!

Valuable Features

To make possible the reception of C. W. signals, a regeneration control is incorporated; however, this control may be left in neutral position, where ordinary Short Wave Reception is desired. Due to the enormous sensitivity and amplification resulting from the circuit and associated tubes used, all vital components, leads and tubes have been thoughtfully shielded. Traveling spot-light vernier dial, Hammarlund Two Gang variable and Antenna Trimmer condenser, Volume control, A. C. Switch, Wave Length Selection Switch, comprise its fully flexible and effective controls. The parts are mounted on a sturdy steel chassis of ample proportions (11 3/4 in. long, 9 3/4 in. wide, 3 1/4 in. high), and in turn, it is mounted within a Fully Shielded Metal Case, with removable cover. Incidentally, this case makes a very attractive appearance, being handsomely finished in black shroud! All wiring is done beneath the chassis, in true professional manner.

Superiority of Self-Contained I. F. Stages Comparable to Use of Separate S. W. Converter Coupled to Any Broadcast Receiver

In this model the S. W. Detector action has been enormously improved by having its output Tuned Exactly to the frequency of Three self-contained, accurately peaked 550 K. C. High Gain Transformers!!! No wonder then that this remarkably sensitive short-wave receiver is capable of Absolute World Wide Reception, with full and clear Dynamic Speaker Volume!

PROVISION FOR HEAD-PHONE RECEPTION

A simple, no-loss switch on the instrument panel permits the use of headphones, for which a special jack is provided in the rear of the chassis.

Battery and A. C. Operated Models Are Essentially Alike

In the case of the self-contained Power Pack A. C. operated model, the pack itself is guaranteed unreservedly by "Coast-to-Coast." Great diligence has been exercised in its design, with the result that you will experience no dissatisfaction therewith. Every vital improvement is an inherent part of such power pack equipment, such as 16 Mfds. Electrolytic Condenser, Heavy Duty A. C. Power Transformer, Hum Bucking arrangement, etc., etc. The D. C. Dynamic Speaker receives its field excitation from the POWER PACK.

Model R-42, Less Self-Contained Power Pack

Cat. No. 5598. Kit—Fully Assembled, but UN-WIRED. (Can be used with any type speaker.) This model can be used with any type tubes—(A. C. or D. C.)—please definitely state all desired information. Requires External "A-B-C" Current Supply..... **\$24.50**

Cat. No. 5599. Same as Cat. No. 5598, but Factory Wired. **\$32.50**

Self-Contained A.C. Power Pack Operated Model R-43

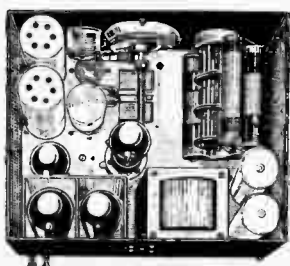
Includes a Dynamic Speaker!

Cat. No. 5605. Complete with self-contained A. C. Power Pack (for 110 Volts, 50-60 Cycles A. C.). Fully Assembled, but Unwired. **\$33.50**
Dynamic Speaker included.

Cat. No. 5606. Same as Cat. No. 5605, but Factory Wired. Laboratory Tested! Ready for use..... **\$39.50**

Cat. No. 5607. Set of 7 Cunningham Tubes..... **\$5.24**
A. C. Model Power Packs Can Be Furnished for 25 Cycles, 110 Volt A. C. or 220-240 Volts, A. C. 50-60 Cycle, for \$4.75 additional.

NOTE: If plug-in type coils are desired instead of those described above, they can be furnished.

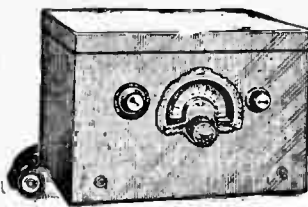


Interior View

Semi-Assembled (Unwired), or Factory Wired

4 Tube 10 to 200 Meter "Coast-to-Coast" Short Wave Super-Heterodyne Converter

Tubes Required: 1-58, 1-57, 1-56, 1-280



Offer Convenience of Automatic Wave-Band Selection Switch, No Plug-In Coils Required!

Connected To Any 200-550 Meter Broadcast Set (T. R. F. or "SUPER") You "Convert" Same Into a Super-Heterodyne Short-Wave Receiver! 10 to 550 Meters Without Changing a Coil or a Single Connection!

Disconnect the antenna terminal of your receiver—attach it instead to the terminals of this converter, and then attach two simple wires from the converter to the antenna and Ground Posts on your receiver! A few moments, work, and that is all there is to it! The five position, quadruple unit wave-band selector switch and associated Super-heterodyne coils listed elsewhere in this catalog are an integral and vital part of this apparatus. It permits Short-Wave reception on four wave bands, namely, 10 to 20 meters, 20 to 40 meters, 40 to 80 meters, and 80 to 200 meters. By then "throwing" the same switch to the "fifth" position (an exclusive feature with "Coast-to-Coast"), without the necessity of making any other changes or adjustments, you can "tune in" from 200 to 550 meters, in the usual fashion. The Dream of Radio Fans at last realized!

Enclosed in a Fully Shielded Metal Case

To produce maximum results, and to guard against any losses the entire converter is built upon a sturdy steel chassis, and then inserted into a handsome black shrouded metal case, with removable cover. The controls provided are the detector trimmer condenser, main tuning condenser (Two Gang Hammarlund, .00014 Mfd. per section), A. C. Line Switch, 200 to 500 meter Reception Switch and 10 to 200 meter Wave-Band Selection Switch in one unit! Note the traveling Spot Light Vernier Dial and handsome bronze embossed escutcheon full vision plate. Generously proportioned! 12 in. long, 10 in. deep, 8 in. high. The four coils are placed far from any interfering metal, such as the chassis, and metal case.

Short-Wave Broadcasts Offer Many Exciting Moments! You Live in a New World of Thrills!

The "short-waves" are vibrant with police alarms—ships to shore and private communication—Trais-Oceanic Telephony—Television, etc., etc. You literally explore the World! Within the realm of your home, you are transported to the most distant countries! You become once again a "D-X" addict!

Some of the Valuable Features of This Super-Heterodyne Circuit

In the average type of short-wave converter, the antenna is fed directly into the Short Wave detector—however, in the "Coast-to-Coast" converters, an additional R. F. stage with a 57 tube are employed thereby preventing the antenna capacity and inductance from detuning the super-heterodyne detector and oscillator circuits. It is a known fact that Power Detection (employed in most every converter, and in ours) is of little value, if the incoming signals are weak because they have not been pre-amplified by an R. F. booster stage. These Converters Have This Vitally Valuable Self-Contained R. F. Booster Stage! The final design and construction of this apparatus represents the sum total of considerable research—we can truthfully say that in our opinion there is no better converter on the market.

Provision for Oscillation Control If Desired

If you wish to receive C. W. Signals, we will incorporate a special, fully flexible oscillation control, for \$3.75 additional.

MODEL C-44 WITHOUT SELF-CONTAINED POWER SUPPLY

Ideal for Use With All Types of 2, 2 1/2, 3 and 6 Volt Tubes, A. C. or Battery Operated Types!

In the event you wish to use A. C. tubes in this model, the following A. C. and D. C. Voltages will be required: 2 1/2 Volts A. C. 3.0 amps; 180 Volts D. C. "B," 23 mls. **\$18.50**

Cat. No. 5293. Kit, less tubes.....

Cat. No. 5294. Factory wired and Laboratory Tested..... **\$23.50**

Model C-45 with Self-Contained A.C. Power Supply

The power pack furnished is guaranteed to be "hum-free" and is so generously designed throughout that "Coast-to-Coast" cheerfully Guarantees this apparatus for one year.

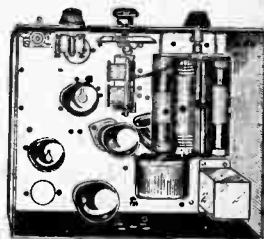
Cat. No. 5296. Kit, less tubes. **\$21.50**

Cat. No. 5297. Factory wired and Laboratory tested. **\$27.50**

Cat. No. 6726. Set of 4 Tubes. **\$3.33**

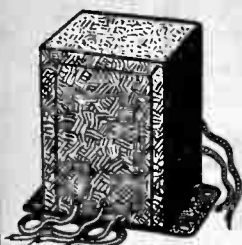
(1-58, 1-57, 1-56, 1-280).....

A. C. Model Power Packs Can Be Furnished for 25 Cycle, 110 Volt A. C. or 220-240 Volts, A. C. 50-60 Cycle, for \$4.75 additional.



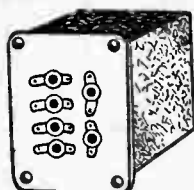
Interior View

"COAST-TO-COAST" ALL-PURPOSE HIGH GRADE AUDIO TRANSFORMERS



Model "A"

Laboratory tests have clearly shown these transformers to have a constant amplification factor over the entire useful audio range. The silicon steel core and the primary winding are so designed as to produce a very high impedance, thereby permitting maximum amplification, without distortion! Thoroughly shielded! The attractively crystalline finished metal cases, housing these instruments, measure 2½ in. long, 2¼ in. deep, 3¼ in. high. Available in various models, to permit any mechanical placement of leads—either above or below the chassis.



Model "B"

These superior transformers are contained in hermetically sealed metal cases, and are further enclosed within a 100% MOISTURE-PROOF compound. This double protection assures life-long, uninterrupted service, as these units are free of any deterioration, caused by moisture seepage. Due to the heavy gauge of the metal employed in the cans, the contents are FULLY and EFFECTIVELY SHIELDED from surrounding disturbing magnetic stray fields. You will derive considerable satisfaction from these instruments, and we heartily endorse them!



Model "C"

Choice of any style terminal arrangement permitted—please mention type desired by referring to the type letter on each illustration

AUDIO SERIES

- Cat. No. 6150. 5 to 1 ratio..... } **\$2.90**
- Cat. No. 6151. 3 to 1 ratio..... } Each
- Cat. No. 6152. 2 to 1 ratio..... }

PUSH-PULL INPUT SERIES

- Cat. No. 6153. INPUT PUSH-PULL TRANSFORMER. From one plate to two grids. **\$4.85**
- Cat. No. 6127. Same as No. 6153 above, but equipped with Split Secondaries, for separately filtered grid circuits and for 295 Triple Twin Type Tubes **\$5.95**

Interstage Push-Pull Series

- Cat. No. 6154. Interstage Dual Push-Pull Transformer. Combines a push-pull output transformer and a push-pull input transformer. Six leads in all. Insert between output of two tubes and two grids. **\$4.90**
- Cat. No. 6128. Interstage Push-Pull Coupling Choke and 1 to 1 Auto. Transformer. 600 Henries at 3 volts A.C., 60 cycles. **\$4.65**

Push-Pull Output Transformers

The secondaries of these transformers are available to match any voice coil impedance, ranging from 2 to 20 ohms—please specify impedance value desired.

- Cat. No. 6155. **\$4.90**
- For 2—171, 245, 250 or 295 Tubes..
- Cat. No. 6156. **\$3.90**
- For 2—247, 233 or 238 Tubes.....

Single Tube Output Transformers

The secondaries of these transformers are available to match any voice coil impedance, ranging from 2 to 20 ohms—please specify impedance value desired.

- Cat. No. 6129. **\$3.25**
- For 1—171, 1—250, 1—245, 1—295..
- Cat. No. 6130. **\$2.91**
- For 1—247, 1—233, 1—238.....

Impedance Coupling A. F. Choke

- Cat. No. 6165. 300 henrys, 10,000 ohms **\$3.25**
- Cat. No. 6166. 600 henrys, center tapped. 20,000 ohms total..... **\$3.98**

Phono. Input Series Feeds Into Grid of Tube

- Cat. No. 6161. 500-1000 ohms. For Low Impedance Pick-Ups..... **\$3.92**
- Cat. No. 6162. 2,000-3,000, 4,000 ohms. For High Impedance Pick-Ups. **\$3.92**

Special Output Push-Pull and Line Transformers

- Cat. No. 6131. From 2—250 (or 2—295, 2—171, 2—245) into a 500 ohm line. Equipped also with a 15 ohm secondary winding. (This winding can be used with two Jensen 8 ohm voice coils in series, if desired.) **\$6.91**

- Cat. No. 6132. From 1 or 2—250 (or 1 or 2—295, 1 or 2—247, 233, 231, 1 or 2—171, 1 or 2—245) into 500 ohm and 2000 ohm lines. Equipped with taps for 1 ohm, 3¼ ohms, and 9 ohm voice coil secondary windings. **\$7.86**

- Cat. No. 6133. From 1 or 2—250 (295, 171, 245) into a 500 ohm line, and equipped with following voice coil secondary windings: 7½, 7½, 7½, 15, 15 ohm windings. This unique and valuable arrangement makes it possible to use this transformer with either ONE TO FOUR 7-8 ohm Voice Coils and TWO 15 ohm Voice Coils, OR, with FOUR 15 ohm Voice Coils, OR, you can actually use up to EIGHT 7-8 ohm Voice Coils (Jensen). The combinations possible are too varied to list them all **\$8.64** here.

NOTE: You can use this transformer without the 500 ohm line winding, if desired.

Output Line Transformers

- Cat. No. 6134. From 500 ohm line into following Voice Coil Secondary Impedances: 7½, 7½, 7½, 15 and 15 ohms. Excellent for use with ONE to FOUR RACON TYPE UNITS, or, with from ONE to EIGHT Jensen Dynamic Speakers... **\$8.71**
- Cat. No. 6135. From 500 ohm line into 2000-2000 (total 4,000) ohm secondary winding, to feed into any standard 250, 245, 295, 171 Push-Pull Transformer. **\$6.77**

Output Choke Series

- Cat. No. 6157. **\$2.35**
- For Single 171-245-250-295 Tubes....
- Cat. No. 6158. **\$3.25**
- For Push-Pull 171-245-250-295 Tubes.
- Cat. No. 6159. **\$2.15**
- For Single 247 Tube.....
- Cat. No. 6160. **\$2.75**
- For Push-Pull 247 Tubes.....

Microphone Input Series Feeds Into Grid of Tube

- Cat. No. 6163. **\$3.95**
- For Single Button "Mikes".....
- Cat. No. 6164. **\$3.95**
- For Double Button "Mikes".....
- Designed for 100 and 200 ohm Buttons. Specify type desired!

CLASS "B" FILTER CHOKES

- Cat. No. 6145. **\$4.74**
- 15 Henries, 250 Mils., 100 Ohms....
- Cat. No. 6146. **\$6.85**
- 15 Henries, 200 Mils., 30 Ohms.....

Pre-Amplifier Output Tube to 500 Ohm Line

- Cat. No. 6136..... **\$6.82**

500 Ohm Line to Grid of Tube

- Cat. No. 6137. Input Impedance Resistance, 150,000 ohms..... **\$6.87**

Phono. Pick-Up or Microphone to 500 Ohm Line Transformers

- Cat. No. 6148. 3,000 ohms to 500 ohm line—for high impedance pick-ups.... **\$6.94**
- Cat. No. 6149. 200-200 (or 100-100) ohms to 500 ohm line for double button MICROPHONE use. **\$7.41**

Power Pack and Audio Filter Chokes

- Cat. No. 6167. **\$2.90**
- 30 Henries, 65 Mils., 500 Ohms.....
- Cat. No. 6168. **\$3.41**
- 30 Henries, 85 Mils., 200 Ohms.....
- Cat. No. 6169. **\$3.97**
- 30 Henries, 150 Mils., 200 Ohms....
- Cat. No. 6138. **\$3.65**
- 60 Henries, 60 Mils., 900 Ohms.....
- Cat. No. 6139. **\$3.18**
- 15 Henries, 120 Mils., 200 Ohms....
- Cat. No. 6140. **\$4.96**
- 15 Henries, 300 Mils., 100 Ohms....

CLASS "B" TRANSFORMERS

Intended for use with one '46 Driver Tube into two '46 PUSH-PUSH Tubes.

CLASS "B" INPUT PUSH-PUSH STEP-DOWN TRANSFORMER

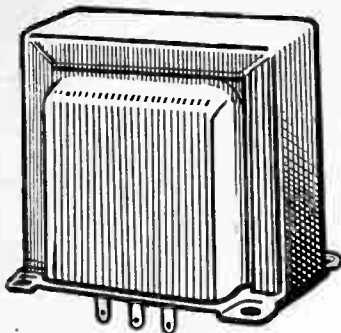
- Cat. No. 6141. **\$3.90**
- For 6 Watt Output Operation.....
- Cat. No. 6142. **\$5.40**
- For 20-25 Watt Output Operation..

CLASS "B" PUSH-PUSH OUTPUT TRANSFORMER

Equipped With 4,000 Ohm Secondary To Feed into Standard Push-Pull 245 or 250 Transformers Supplied with Standard Dynamic Speakers

- Cat. No. 6143. **\$3.98**
- For 6 Watt Output Operation.....
- Cat. No. 6144. **\$5.89**
- For 20-25 Watt Output Operation....

T. C. A. HIGHEST QUALITY SHIELDED PUSH-PULL INPUT AUDIO TRANSFORMER



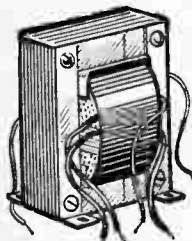
Do not confuse this transformer with the common type generally offered, ranking far below the ratings possessed by this unit. It was never made to be sold for the seasonally low price herewith quoted—we made a fortunate purchase, due to the present business conditions. It is generously proportioned, measuring fully 3 3/8 IN. LONG, BY 2 3/8 IN. WIDE, BY 2 3/4 IN. TALL. To better visualize its high quality, note that this remarkable transformer WEIGHS 2 1/2 LBS.! COMPARE THIS! Enclosed in a TOTALLY SHIELDED, cadmium plated steel container. The protruding tinned solder lug terminals can be inserted through 3/8 in. diam. holes in a sub-panel, or by employing mounting bushings these lugs can be wired above the mounting surface, thereby OFFERING UNIVERSAL MOUNTING PROVISION. VACUUM TREATED, IMPREGNATED AGAINST MOISTURE SEEPAGE—IDEAL FOR USE IN ANY CLIMATE. Employs a large size, LOW RESISTANCE COIL and highest grade SILICON STEEL LAMINATIONS, assuring FREEDOM FROM CORE SATURATION, making possible STRAIGHT LINE AMPLIFICATION CHARACTERISTICS. If you seek the ultimate in transformer value, HERE IS YOUR BIG OPPORTUNITY TO TAKE ADVANTAGE OF OUR BIG SCOOP IN OBTAINING THESE TRANSFORMERS!

- Cat. No. 7009. 3 1/2 to 1 Audio. For All Stage Use..... **\$1.45**
 Cat. No. 7010. Push-Pull Input Transformer, as described and illustrated. **\$1.95**
 Cat. No. 7008. Push-Pull Output Transformer, for choice of 2-171, 2-247, 2-245, 2-250, 2-295, etc., tubes. (Equipped with Standard Matching Voice Coil Impedance Secondary.) **\$1.95**

“COAST-TO-COAST” MATCHED PAIR CLASS “B” 25 WATT PUSH-PUSH INPUT AND PUSH-PUSH OUTPUT TRANSFORMERS

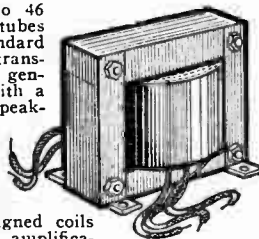
Class “B” Driver Stage Push-
Push Input Step-down
Transformer

Class “B” Push-Push 25 Watt
Output Transformer



Operates from one 46 class “A” type tube into two 46 class “B” type tubes. Has a large core of highest grade silicon steel and perfectly designed coils. Gives straight line amplification characteristics. The coils are impregnated and varnished. PRIMARY RESISTANCE: 200 ohms. SECONDARY RESISTANCES: (Employs two secondaries) 70-70 ohms. MEASURES: 2 1/4 x 2 3/4 x 3 1/2. Blue Print of a complete Class “B” Amplifier and color code of flexible terminals supplied.

Cat. No. 7011..... **\$3.95**

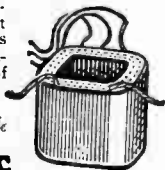


Operates from two 46 class “B” type tubes into any standard PP250 output transformer which is generally furnished with a suitable dynamic speaker. Furnished with a secondary impedance of 4,000 ohms. The large core of highest grade silicon steel and perfectly designed coils give straight line amplification characteristics, even at small outputs. The windings are highly insulated and are well impregnated and varnished. TOTAL PRIMARY RESISTANCE: only 380 ohms! SECONDARY RESISTANCE: only 370 ohms! Measures 3 3/4 x 2 3/8 x 2 1/2 in. Blue Print of complete Class “B” amplifier and installation color code supplied.

Cat. No. 7012..... **\$4.45**

Push-Pull Input Coils

Excellent for general replacement purposes. Can fit most any lamination stack. Coils are wax impregnated—guaranteed moisture proof. Size of opening 1 in. x 1 in. x 1 1/2 in. long. Overall size of coil: 1 1/8 in. x 1 3/4 in. x 1 1/2 in. long.



Cat. No. 7013..... **25c**
Per Dozen, \$2.75

Double 7 1/2 Volt Filament Transformer

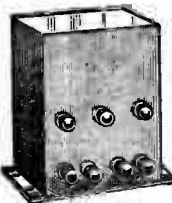
Furnishes Filament Current for 2-250 and 2-281



An ideal all purpose transformer—for all power pack and tube testing equipment. No repair shop should be without several of these really indispensable filament transformers. An added feature is provided by connecting the two separate 7 1/2 volt windings and thereby obtain a heavy duty 15 volt center tapped winding, which is ideal for use in trickle chargers, A.C. Dynamic Speakers, etc. Note unique threaded brass mounting pillars. The thick silicon steel core and the coil winding itself is coated with a special moisture-proof shellac. For 110-120 Volt, 50-60 cycle A.C. 2 3/8 inches long, 2 1/2 inches high, 2 inches wide.

Cat. No. 1761..... **\$1.15**

General All-Purpose Universal Push-Pull Output Transformer

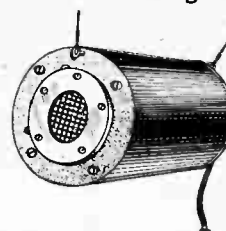


Ideal for Coupling to One or Several Horn and Cone Type Voice Coils and to a 500 Ohm Line

Carries a D. C. primary current up to 85 milliamps. It is therefore excellent for 250, 845, 245, 295 tubes, etc.—Can also be used with Class “B” 46 Tubes provided a PUSH-PUSH Class “B” transformer with a 4000 ohm secondary is used ahead of it. The windings are carefully insulated, well impregnated, varnished and sealed in a moisture proof compound—A solid metallic case of imposing appearance insures perfect shielding. Primary impedance: 2000-2000 ohms. Secondary impedance: 500 ohms. Secondary impedance: 15 ohms, tapped at 8 ohms. A diagram is furnished showing how to connect 1, 2, 4, 8, 16 etc.—8 or 15 ohms, or 2, 4, 6, 8, etc. 4 ohms, or 4, 6, 8, etc. 2 ohms voice coils—it well earns its title of being UNIVERSAL! Ideal for use with all makes of dynamic speakers, employed in multi-speaker P. A. Installations. Overall dimensions: 3 3/4 in. x 3 3/8 in. x 5 in. tall.

Cat. No. 7014..... **\$7.95**
 Cat. No. 7444. FOR CLASS “B” AMPLIFIERS. Contains a Class “B” PUSH-PUSH OUTPUT TRANSFORMER, in addition to Cat. No. 7014, just described. **\$13.75**

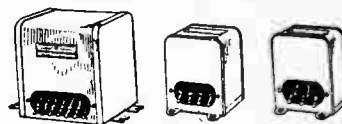
“Coast-to-Coast” Combination Condenser Microphone and One or Two Stage Pre-Amplifier



Intended to be hung from a ceiling, “bird-cage” type stand, or from the roof of a sound truck. It can be mounted in any conceivable position, due to the fact it is not of the carbon type. Incidentally, it will never “hiss” or “scratch”—therefore, its reproductive qualities are amazingly

faithful, while its sensitivity and volume output makes this apparatus worthy of installation in the most elaborate P. A. Systems. Employs a scientifically housed duraluminum diaphragm. Inasmuch as a two stage amplifier is an integral part of this complete unit, maximum efficiency is assured, due to the extremely short leads between the microphone and the amplifier. You will be considerably impressed by the absolute stable and noiseless nature of this fully effective resistance coupled amplifier—it requires 2 to 4 mils., at 180 volts “B” (furnished by dry “B” batteries) a 4 1/2 volt “C” battery; and 60 mils. at 4 1/2 volts (3 dry cells). The batteries are externally mounted anywhere to suit your convenience—a 5 wire battery cable extends from the unit. There is also furnished a pair of SHIELDED OUTPUT LEADS. If this microphone is located more than 50 feet away from the P. A. Amplifier, a suitable Line Transformer must be used at the P. A. Amplifier. TUBES REQUIRED: One or Two Type 230 Tubes. Enclosed in a COMPLETELY SHIELDED METAL CYLINDRICAL CASE, measuring 6 in. long, 4 1/2 in. diameter. FREQUENCY RESPONSE: 50 to 8000 cycles. Cat. No. 7445. CONDENSER MICROPHONE HEAD ONLY—less pre-amplifier. **\$27.50**
 Cat. No. 7015. Condenser Microphone and one Stage Pre-Amplifier. Requires 1-230 Tube..... **\$44.50**
 Cat. No. 7016. Condenser Microphone and Two Stage Pre-Amplifier. Requires 2-230 Tubes..... **\$54.50**

Kenyon “Laboratory Standard” Audio Amplifier Components



For the discriminating service man, or professional set builder, desiring apparatus that will perform in a manner second to none, this series will directly appeal. Costs more, yes, but then these units are worth the small difference. Note the fully shielded metal cases, soldering lug terminal board, and convenient mounting feet.

- Cat. No. 5491. Input transformer from 1 plate to 1 grid. 3:1 ratio..... **\$2.65**
 5492. Input transformer from 1 plate to 2 grids in push pull. 2:1 ratio each side..... **2.94**
 5493. Input transformer from universal line to 1 grid..... **3.24**
 5495. Mixing transformer from a universal line to a universal line **3.24**
 7243. Output transformer from a detector plate to a universal line **3.24**
 5496. Output transformer from push pull 245's to a 500 ohm and 15 ohm voice coil..... **3.24**
 5497. Output transformer from 247 to a 15 ohm voice coil..... **2.94**
 5498. Output transformer from push pull 247's to a 500 ohm line and 15 ohm voice coil..... **3.24**
 5499. Filter choke 30 Henries, Max. D. C. 90 M. A., 350 Ohms D.C. resistance..... **2.06**
 5500. Filter choke 15 Henries, Max. D. C. 150 M. A., 210 ohms D. C. resistance..... **2.35**
 5501. Audio choke for parallel feed, etc., 250 Henries, Max. D. C. 15 M. A., 300 ohms D. C. resistance..... **2.65**
 5502. Input transformer for a class “B” amplifier..... **3.53**
 5503. Output transformer for a class “B” amplifier..... **4.41**

Thordarson Series Audio—Push-Pull Input, and Push-Pull Output Transformers



Enclosed in handsome black japanned steel cases, of attractive formation. Contents are hermetically sealed, rendering them impervious to ruinous atmospheric disturbances. Sub-panel mount conveniences. Output Transformers are furnished with Standard Dynamic Speaker voice coil impedance matching secondaries.

- Cat. No. 6071. Input Push-Pull Audio Transformer..... **\$1.80**
- Cat. No. 6072. Inter-Stage Push-Pull Transformer..... **\$2.65**
- Cat. No. 6073. Output Push-Pull Transformer, for 1 or 2—171, 245, 250 Tubes **\$1.45**
- Cat. No. 6074. Output Push-Pull Transformer, for 1 or 2—247 Pentode Tubes **\$1.65**

Jefferson Audio-Microphone and Phono. Input Transformer Series

Sealed in handsome metal cases, eliminating any tendency for the windings to break down, due to atmospheric conditions. Famed for high quality reproduction over entire audible frequency range. (Choice of above panel or sub-panel mounting.)



- Cat. No. 6075. Audio Transformer..... **\$2.40**
- Cat. No. 6076. Low Impedance Phono. Input Transformer..... **\$3.95**
- Cat. No. 6077. High Impedance Phono. Input Transformer..... **\$3.95**
- Cat. No. 6078. Microphone Input Transformer. (Choice of 100 or 200 ohms per button)..... **\$4.75**
- Cat. No. 6147. Push-Pull Input..... **\$2.95**

Victor First Stage Audio Transformer with Phono-Pick Up Tap

For Replacement in All Victor Sets and, of course, can be used in any other make set.



Terminals are numbered:
1—Phono 3—Ground
Pick-up 4—Plate
2—B Plus 5—Grid ..

Magnetically shielded. Has winding for phonograph pick-up. Ratio 3½ to 1. Can be used as a conventional A. F. transformer, while also serving as a Phono. Input Transformer.

- Cat. No. 371..... **75c**

Grebe Input Push-Pull Transformer

Fully shielded. Ideal for sub-panel mount.

D. C. Resistance, primary 700 ohms—secondary, 16,000 ohms. Size: 3½ in. x 2¾ in. x 3¼ in. Excellent for P. A. amplifiers or general replacement purposes.



- Cat. No. 5504..... **\$1.25**

Jefferson Combined Duo-Ratio Audio and Phono. Input Transformer

Offers Choice of 5 to 1 or 2½ to 1 Ratio!

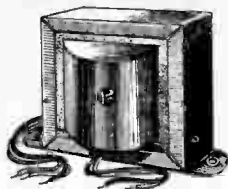


Due to the split primary, one section can be used for a high resistance phono-pickup. An exceptionally high quality amplifying unit—giant-like in proportions: 2¾ in. long, 2¼ in. wide, 3¼ in. tall.

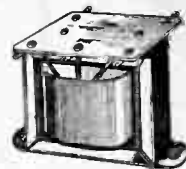
- Cat. No. 4272..... **95c**

Polymet-R.M.A. Color Coded- Audio Transformer Series

High Quality . . . Built Down to a Popular Price!



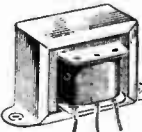
All Transformers Listed Below are Furnished With Flexible Leads, at the Prices quoted—If you desire a transformer equipped with the Bakelite Terminal Board and Solder Lugs, as shown in the illustration to the right, please add the sum of 50c to the prices quoted below for each transformer so desired.



These transformers and chokes are all designed on a ¾ in. square core of high Silicon steel. The core is securely held in an Aluminum finished strap. Designed in accordance with the latest technique; they can be depended upon to give very satisfactory results! The 6 inch leads are made of heavily insulated wire and bear the R. M. A. standard color coding. The coils are scientifically treated to be impervious to all atmospherics—a very valuable and necessary feature. The overall measurements of all the units below are 3¼ in. long, 1½ in. wide, 2 in. tall.

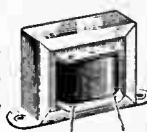
Audio Transformers

- Cat. No. 4163. 3 to 1 All Stage A. F. Transformer..... **98c**
- Cat. No. 4158. Input Push-Pull Transformer..... **\$1.22**
- Cat. No. 4165. Interstage Push-Pull Transformer, from single plate to two grids. For use between push-pull stages—for all types of tubes..... **\$1.45**
- Cat. No. 4161. Output Transformer, from 1—245, 295, or 250 to 8—15 ohm dynamic speaker voice coil..... **\$1.75**
- Cat. No. 4162. Output Transformer, from 1—247, 233, or 238 to 8—15 ohm dynamic speaker voice coil..... **\$1.65**
- Cat. No. 4159. Output Push-Pull Transformer, from push-pull 245, 250 or 295 to 8—15 ohm dynamic speaker voice coil..... **\$1.95**
- Cat. No. 4160. Output Push-Pull Transformer, from push-pull 247, 233 or 238 tubes to 8—15 ohm dynamic speaker voice coil..... **\$1.75**



Special Inducement

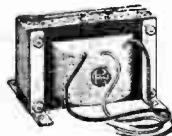
Lots of 3 (ass't'd., if you desire) Deduct 5% Discount!
Lots of 6 (ass't'd., if you desire) Deduct 10% Discount!
Lots of 12 (ass't'd. if you desire) Deduct 15% Discount!



Polymet Inter-Stage Coupling High Impedance Audio Choke

Ideal For Use In High Quality Reproduction Public Address Amplifiers

For interstage audio use as auto transformer; inductance is 600 Henries at 3 volts A. C., 60 cycles, with no D. C. in the winding; the total maximum D. C. resistance is 20,000 ohms. This choke is center-tapped. Leads (R. M. A. color coded), are 6 in. long. Choke measures 2¾ in. long, 1½ in. wide, 2¾ in. high.



- Cat. No. 4144..... **\$2.95**

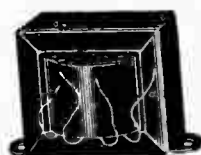
"Loudherm" Permalloy Core Audio Replacement Transf.



A favorite with servicemen and set builders. Its compactness (2½ in. x 1½ in. x 2 in.) does not detract from its pleasing performance. Equipped with flexible leads and convenient mounting brackets. Designed for all stage ratio applications.

Webster Replacement Audio Transformer

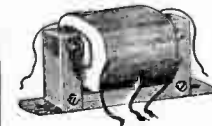
Generously constructed—heavy lamination stack. Excellent for all P. A. systems.



- Cat. No. 7480..... **50c**
Six for \$2.50

Edison Permalloy Core Push-Pull Input or Split Secondary Audio Transformer

Ideal For Use With Push-Pull 295 Triple Twin Grid Circuits or Standard Push-Pull Circuits!



The resistance value of the Primary is 1200 ohms, and the Secondary resistance is 10,000 ohms, i.e., 5,000 ohms each section. Note that by joining the two separate secondary sections together, a marvelously

efficient Push-Pull Input Transformer results. The split secondary audio circuit system is rapidly gaining impetus. 3¾ in. long, 2 in. wide, 2 in. tall.

- Cat. No. 4271..... **95c**

Dongan Input Push-Pull and Straight Audio Transf.

A big favorite with all professional set and power amplifier specialists. Excellent for all replacement applications!

- Cat. No. 7478..... **72c**
- Straight A. F..... **\$1.11**
- Input Push-Pull..... **72c**



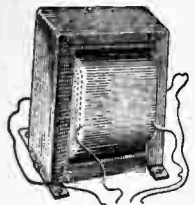
Heavy Duty 250 Filter Choke

Conservative Rating: 140 mils., 20 henries, 200 ohms.



- Cat. No. 7481..... **75c**

Kolster All-Stage Ratio Giant Audio Transformer

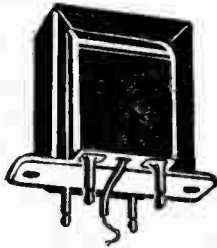


Never made to sell at this price—honest merchandise! Kolster never skimped—with them, the dominant thought and consideration was Quality! A really fortunate buy—for both you and ourselves. 2½ in. long, 2 in. wide, 3½ in. tall. Note the generous amount of lamination it possesses, as well as the massive coil. For maximum fidelity of reproduction and distortion free volume, adapt this transformer, and the INPUT PUSH-PULL MODEL listed below, which enjoys the same general characteristics.

Cat. No. 4267..... **95c**
Cat. No. 6062. INPUT PUSH-PLL **\$1.45**

Philco Input Push-Pull Audio Transformer

Excellent as Standard replacement units—ideal for sub-panel mounting—note protruding solder lug terminals. Fully shielded. 2¾ in. high, 2 in. long, 2 in. wide.



Cat. No. 5611.
75c

Jefferson Input and Output Push-Pull Transformers



OUTPUT MODEL
It is indeed a credit to the designing engineers of this product, in view of the remarkable compactness of design offered; yet, mind you, with no sacrifice in quality. 3 in. long, 2½ in. wide, 2¾ in. tall. Resistance value of center tapped primary, 350 ohms.

Cat. No. 4273..... **95c**
Cat. No. 6065..... **\$1.45**

Replacement Audio Transformers for Atwater Kent, Etc., Sets

Can Also Be Used as a Universal A. F. Transformer for All Other Makes of Sets!

Cat. No. 320..... **85c**
6 for \$4.50

SPECIAL 2ND A. F. STAGE STAGE MODEL... **\$1.65**
Cat. No. 619.....
6 for \$4.50



Uncased Models



Completely closed magnetic core. Maximum distortion-free amplification is an inherent characteristic of this most compact transformer. Ideal for use in receivers where space is at a premium, such as in Midget and Portable Sets. 1½ in. high, 1½ in. diameter.

Cat. No. 1759..... **45c**
(For Replacement A. F. Transf., without case.)
Cat. No. 1760..... **85c**

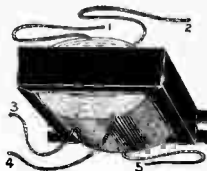
All-Purpose Replacement A.F. Transformer

Hundreds of thousands of these popular and efficient little audio transformers are in use. All-stage ratio characteristics. Flexible lead terminals. 2½ in. long, 1½ in. wide, 2½ in. tall.

Cat. No. 6066..... **55c**
Per Dozen, \$5.95



Sangamo Latest Model Input and Output Push-Pull Transformers



The reputation of Sangamo is so well known that any further elaboration here is not necessary. Can be used with any tubes, and in conjunction with any other transformers. Generously proportioned. Overall dimensions: 3½ in. long x 2¾ in. tall x 1¾ in. wide.

INPUT PUSH-PULL. **\$1.35**

Cat. No. 2164.....
OUTPUT PUSH-PULL SERIES
Secondaries match any standard dynamic speaker. Voice coil impedance!

For Single or Push-Pull 171A-245-295-250 Tubes **\$1.35**

Cat. No. 2165.....
For Single or Push-Pull Pentodes 233, 238, 247 **\$1.35**

Cat. No. 2879..... **\$1.35**

Pacent Fully Shielded Input Push-Pull Transformer

So well hermetically sealed within an attractive black japanned steel case that life-long, uninterrupted service is assured! Ideal for universal mounting applications. Equipped with well insulated flexible leads. 3¾ in. tall, 2½ in. long, 2¾ in. wide.



Cat. No. 6083..... **\$1.85**

Pacent Push-Pull Input Audio Transformer



Generously proportioned; not designed for use in sets where space is at a premium. The increased size is a marked benefit, in that you are assured excellent reproductive qualities, due to the greater current carrying capacity. 3¾ in. tall, 2½ in. long, 2¾ in. wide. Universal Mounting. Equipped with solder lug terminals.

Cat. No. 6084..... **\$1.55**

Pacent Output Push-Pull Series Transformers

Equipped with 15 Ohm Impedance Secondary—Which Matches Voice Coil Impedance of R.C.A. Photophone Dynamic Speakers, Racon Units, Etc., Also Excellent for Use with Two Jensen Dynamic Speaker Voice Coils in Series!



Similar in all mechanical respects to Cat. No. 6084 INPUT transformer above described. For 1 or 2—245, 250, 295, 171 Tubes. **\$1.65**

Cat. No. 6085.....
For 1 or 2—247, 233, 238 Pentode Tubes. Cat. No. 6086..... **\$1.55**

OUTPUT CHOKE, for either Single or Push-Pull Power Tubes of any type. (Not equipped with secondary.) Resistance, 220 ohms—60 henries at 60 cycles. **\$1.65**

Cat. No. 6087.....
Dual Audio Transformer for R. C. A. Sets

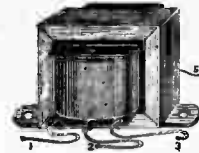


Can Be Used in the Radiola 33, 18 and 17, and All Makes of Sets

Consists of a first and second stage Audio Transformer shielded in a common metal container. Can also be used with any A. C. or D. C. Radio Sets where two good audio stages of audio amplification are desired. Well designed. Its compactness permits installation either above or below the panel. **\$1.35**

Cat. No. 380.....

Transformer Corp. of America Input and Output Push-Pull Series A.F. Transformers



Equipped With PERMALLOY STEEL LAMINATIONS!

Preferred by professional set builders and manufacturers of America's finest commercial receivers, and super-power Public Address Amplifiers. Here is your opportunity to purchase the best for just a few cents more than what you might pay for a far less inferior product! Equipped with convenient mounting feet and long flexible leads. 3¾ in. long, 1¾ in. wide, 2 in. high.

AUDIO TRANSFORMER. For all stage requirements. Cat. No. 6067 **75c**

INPUT PUSH-PULL. **\$1.45**

Cat. No. 3140.....
OUTPUT PUSH-PULL SERIES
Secondary impedance matches the voice coil impedance of any standard dynamic speaker. Can be used with magnetic speakers by connecting same to the two outside leads of the primary, in the conventional manner.

For Single or Push-Pull 171-245-295-250 Tubes **\$1.45**

Cat. No. 318.....
For Single or Push-Pull 233-238-247 Pentode Tubes **\$1.75**

Cat. No. 2870.....

Webster Heavy Duty Audio Transformer



Noted for ability to produce heavy volume, and for distortion-free qualities. The laminations are fully 1 in. thick! Overall length, 3 in.; width, 1¾ in.; height, 2½ in. Universal Mounting Facilities!

Cat. No. 5620..... **85c** All-Stage Ratio Design

Silver Marshall 255-P Phono. Pick-up Impedance Matching Transformer



One tip of pick-up connects to one terminal on this instrument, and the other tip to the ground; the remaining two terminals on this transformer are connected to the grid circuit of the 1st A. F. Tube. In reality, this unit actually replaces the 1st A. F. Audio Transformer of the usual type, so far as phono. pick-up amplification is concerned. Matches impedance of any pick-up to 1st A. F. Tube—a very valuable feature. 2¾ in. x 2¼ in. x 2 in.

Cat. No. 1539..... **\$2.45**

S-M 251 Output Transformer or Impedance

A combination variable ratio output transformer, choke and condenser tone filter, and tapped impedance. Recommended as a tone filter and is provided with taps exactly matching it to either 112 and 210 or 171 and 250 type power tubes. Boosts low-note reproduction. May be used with 210 or 250 type tubes when an external 1 mfd. 600 volt condenser is added.

Cat. No. 6068..... **\$1.95**

General Audio Transf. Coil

Remove the laminations from your present burnt out audio transformer, and insert same into core hole in this coil. 1¼ in. long, 1¼ in. diameter. Core hole measures ½ in. square by 1¼ in. long. 10 in. long flexible terminals. Handles tremendous volume, with no distortion!

Cat. No. 2150. 5 to 1..... **25c**

Cat. No. 2151. 3 to 1.....

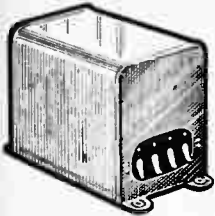
Asstd. Kit of Input and Output Push-Pull, Choke, Audio, Power Transf., Etc. Replacement Coils

"Worth Their Weight In Gold!"
Just the thing for an emergency repair job—this assortment may include many possible sizes, shapes and types of such coils. All coils are in perfect condition. Kits of 12 Assorted Coils. Cat. No. 5490..... **\$3.60**

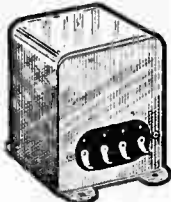


"COAST-TO-COAST" PERMALLOY CORE DE-LUXE PUBLIC ADDRESS AMPLIFIER AUDIO TRANSFORMERS, Etc.

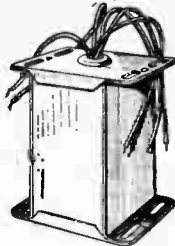
There Is Listed on This Page a Transformer for Every Conceivable Purpose!



Type "A"



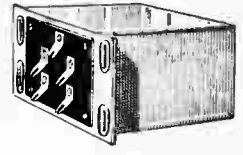
Type "B"



Type "C"



Type "D"



Type "E"

Available in Any Style Metal Shield Case Above Pictured—A Transformer To Suit All Mounting Requirements! Be Sure To Mention Type Desired When Ordering!

These generously proportioned units are preferred by the discriminating Radio Engineer who well realizes the necessity of investing a few cents more to obtain a quality piece of apparatus. The time old axiom "You Pay For What You Receive" can well be stressed here—we are of the honest opinion that you cannot purchase

better quality, design and construction apparatus as listed below. The high permeability permalloy cores permit lower resistance coils, which condition is highly desirable. The coils are thoroughly impregnated and will perform excellently in any climate. The fully shielded and highly attractively finished cadmium plated metal cases meas-

ure as follows: TYPE "A": 5 in. long, 2 3/4 in. wide, 3 3/4 in. tall. TYPE "B": 3 3/4 in. long, 2 3/4 in. wide, 3 3/4 in. tall. TYPES "C", "D" and "E" are 3 3/4 in. long, 2 3/4 in. wide, 4 in. tall. THIS APPARATUS IS USED IN THE MORE EXPENSIVE MODELS OF "COAST-TO-COAST" PUBLIC ADDRESS AMPLIFIERS!

Audio Series

- Cat. No. 6728. 5 to 1 ratio. \$3-75
- Cat. No. 6729. 3 to 1 ratio. Each
- Cat. No. 6730. 2 to 1 ratio.

Push-Pull Input Series

- Cat. No. 6731. INPUT PUSH-PULL TRANSFORMER. From one plate to two grids. \$6.45
- Cat. No. 6732. Same, but equipped with Split Secondaries, for separately filtered grid circuits and for 295 Triple Twin Type Tubes. \$7.95

Interstage Push-Pull Series

- Cat. No. 6733. INTERSTAGE DUAL PUSH-PULL TRANSFORMER. Combines a push-pull output transformer and a push-pull input transformer. Six leads in all. Insert between output of two tubes and two grids. \$6.45
- Cat. No. 6734. INTERSTAGE PUSH-PULL COUPLING CHOKE AND 1 TO 1 AUTO. TRANSFORMER. 600 Henries at 3 volts A. C., 60 cycles. \$5.95
- Cat. No. 6735. INTERSTAGE DUAL PUSH-PULL TRANSFORMER. Combines a push-pull output transformer from 2-46's into 2-845's. \$12.75

Push-Pull Output Transformers

The secondaries of these transformers are available to match any voice coil impedance, ranging from 2 to 20 ohms—please specify impedance value desired.

- Cat. No. 6736. FOR 2-171, 245, 250 or 295 TUBES. \$6.45
- Cat. No. 6737. FOR 2-247, 233 or 238 TUBES. \$5.25
- Cat. No. 6738. From 2-845 into 15 ohm Voice Coil (with 8 ohm tap) and 500 ohm line. \$9.85

Single Tube Output Transformers

The secondaries of these transformers are available to match any voice coil impedance, ranging from 2 to 20 ohms—please specify impedance value desired.

- Cat. No. 6739. FOR 1-171, 1-250, 1-245, 1-295. \$4.25
- Cat. No. 6740. FOR 1-247, 1-233, 1-238. \$3.90

Impedance Coupling A.F. Choke

- Cat. No. 6741. 300 HENRIES, 10,000 OHMS. \$4.35
- Cat. No. 6742. 600 HENRIES, CENTER TAPPED. 20,000 OHMS \$5.25

Phono. Input Series

Feeds Into Grid of Tube

- Cat. No. 6745. 50 OR 200 OHMS FOR LOW IMPEDANCE PICK-UPS \$5.95
- Cat. No. 6743. 500-1,000 OHMS. FOR LOW IMPEDANCE PICK-UPS \$5.25
- Cat. No. 6744. 2,000-3,000, 4,000 OHMS. FOR HIGH IMPEDANCE PICKUPS \$5.25

Special Output Push-Pull and Line Transformers

- Cat. No. 6746. FROM 2-250 (2-295, 2-171, 2-245) INTO A 500 OHM LINE, EQUIPPED ALSO WITH A 15 OHM SECONDARY WINDING, TAPPED AT 8 OHMS. YOU CAN USE 1, 2, 4 OR 8 EIGHT OR 15 OHM VOICE COIL SPEAKERS. \$8.95
 - Cat. No. 6747. From 1 or 2-250 (or 1 or 2-295, 1 or 2-247, 233, 238, 231, 1 or 2-171, 1 or 2-245) into 500 ohm and 2000 ohm lines. Equipped with taps for 1 ohm, 3 1/2 ohms, and 9 ohm voice coil secondary windings. \$10.90
 - Cat. No. 6748. From 1 or 2-250 (295, 171, 245) into a 500 ohm line, and equipped with following voice coil secondary windings: 7 1/2, 7 1/2, 7 1/2, 15, 15 ohm windings. This unique and valuable arrangement makes it possible to use this transformer with either ONE TO FOUR 7-8 ohm Voice Coils and TWO 15 ohm Voice Coils, OR, with FOUR 15 ohm Voice Coils, OR, you can actually use up to EIGHT 7-8 ohm Voice Coils (Jensen). The combinations possible are too varied to list them all here. \$12.25
- NOTE: You can use this transformer without the 500 ohm line winding.

Output Line Transformers

- Cat. No. 6749. From 500 ohm line into following Voice Coil Secondary Impedances: 7 1/2, 7 1/2, 7 1/2, 15 and 15 ohms. Excellent for use with ONE TO FOUR RACON TYPE UNITS, or, with from ONE TO EIGHT 8 \$12.75 ohm Jensen Dynamic Speakers.
- Cat. No. 6750. From 500 ohm line into 2,000-2,000 (total 4,000) ohm secondary winding, to feed into any standard 250, 245, 295, 171 Push-Pull Output Transformer. \$9.25

Output Choke Series

- Cat. No. 6751. FOR SINGLE 171-245-250-295 TUBES. \$3.15
- Cat. No. 6752. FOR PUSH-PULL 171-245-250-295 TUBES. \$4.55
- Cat. No. 6753. FOR SINGLE 247 TUBE. \$2.95
- Cat. No. 6754. FOR PUSH-PULL 247 TUBES. \$3.75

Microphone Input Series

- Feeds Into Grid of Tube
- Designed for 100 and 200 ohm Buttons.
- Specify type desired!
- Cat. No. 6755. For Single Button "Mikes." \$5.25
- Cat. No. 6756. For Double Button "Mikes." \$5.25

Pre-Amplifier Output Tube to 500 Ohm Line \$9.45

- Cat. No. 6757. \$9.45

Pre-Amplifier Output Tube to Line Transformer

- Cat. No. 6758. Specify if pre-amplifier tubes you employ are '01A, '27, '12, 205, '30, or '31. Also specify ohmage of line into which the tube is to operate—such as, 50, 125, 200 or 500 ohms. \$9.75

500 Ohm Line to Grid of Tube

- Cat. No. 6759. Input Impedance Resistance, 150,000 ohms. \$9.70

Phono. Pick-Up or Microphone to Line Transformers

- Specify 50, 200 or 500 ohm line
- Cat. No. 6760. For Phono. Pick-up to line. (Specify pick-up resistance, if possible or simply state: For High or Low Impedance! \$9.82
- Cat. No. 6761. 200-200 (or 100-100) ohms to line for double button MICROPHONE use. \$10.36

Power Pack and Audio Chokes

- Cat. No. 6762. 30 Henries, 65 Mils., 500 Ohms. \$3.87
- Cat. No. 6763. 30 Henries, 85 Mils., 200 Ohms. \$4.92
- Cat. No. 6764. 30 Henries, 150 Mils., 200 Ohms. \$5.25
- Cat. No. 6765. 60 Henries, 60 Mils., 900 Ohms. \$4.98
- Cat. No. 6766. 15 Henries, 120 Mils., 200 Ohms. \$4.85
- Cat. No. 6767. 15 Henries, 300 Mils., 100 Ohms. \$6.22

CLASS "B" TRANSFORMERS Class "B" Input Push-Push Step-Down Transformer

- Cat. No. 6768. For 6 Watt Output Operation. \$5.65
- Cat. No. 6769. For 20-25 Watt Output Operation. \$7.22

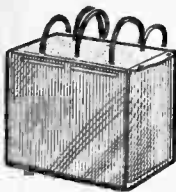
Class "B" Push-Push Output Transformer

- Equipped With 4,000 Ohm Secondary To Feed into Standard Push-Pull 245 or 250 Transformers supplied with Standard Dynamic Speakers.
- Cat. No. 6770. For 6 Watt Output Operation. \$5.41
- Cat. No. 6771. For 20-25 Watt Output Operation. \$7.94

Class "B" Filter Chokes

- Cat. No. 6772. 15 Henries. 250 Mils., 100 Ohms. \$6.27
- Cat. No. 6773. 15 Henries. 200 Mils., 30 Ohms. \$9.80

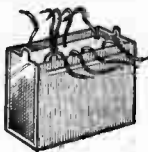
Push-Pull Input Transformer for Majestic 70-71-72-90-91-92-100 A. C. Receivers



Enclosed in a fully shielded sub-panel style mounting metal case. Equipped with long flexible leads, each one suitably coded. Ideal for general replacement purpose.
 Cat. No. **95c**
 6237
 Cat. No. 6265. 3 1/2 to 1 A. F. Transformer (shielded) **75c**

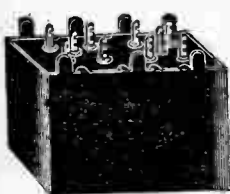
Kolster Dual Audio Assembly

Combines Two 3/4 to 1 Ratio High Quality Audio Transformers in One Fully Shielded Case!



Kolster Part No. A99003—Used in Models K20 and K21
 Ideal for either sub-panel or above panel mounting. Note convenient crimping lugs. Equipped with spaghetti covered and individually tagged terminal leads. A separate ground lead is attached to both silicon steel cores. Each transformer is mounted at right angles to each other. Over-all dimensions: 3 3/4 in. long, 2 in. wide, 3 1/2 in. tall. Nicely green japanned. **\$1.95**
 Cat. No. 6238

Victor Combined Input and Output Push-Pull Audio Transformers



Electrostatically shielded amplification on all frequencies, as it is impregnated against lamination vibration. Output matches voice coil of all standard dynamic speakers, can be used with 171A, 245, 247, 295, 250 tubes. Both Input and Output transformers mounted in one case! For sub-panel, or above panel, mounting—note crimping lugs. 5 1/4 in. long, 3 1/2 in. wide, 3 7/8 in. high.
 Cat. No. 2550 **\$1.95**
 Net Price

RCA Model 80 Receiver Tapped Filter Choke
 Part No. 61159

Contains one choke of 150 mils., tapped at 15 ohms; the other section is 385 ohms. This Choke is an 18 henry choke. The reason for this Choke being tapped off the center is that it was specifically made to reduce the hum. A small condenser placed across the 15-ohm section will reduce the hum to a minimum. There are only two manufacturers that use this particular choke because of its patented features, i.e., the Stromberg-Carlson and the RCA.



Cat. No. 6211 **69c**

Combination Tapped Choke and Output Plate Choke

RCA Part No. 61766 Used in Radiola 48
 Contains the above tapped choke (Cat. No. 6211) plus an output plate choke. A very versatile and valuable piece of apparatus. **89c**
 Cat. No. 6212

R. C. A. Double Filter Chokes
 RCA Replacement Part No. 8336 for the Radiola 33, 18 and 51, Victor 7-11, 7-26
 Contains Two 30 Henry 100 Mil. Chokes



When connected in parallel these double Filter Chokes have a capacity of 30 Henries at 200 Mils., and when connected in series, 60 Henries at 100 Mils. Each Choke has a 1,000 Volt insulation test and the D. C. resistance is 400 ohms. Fully shielded in metal case with special insulating compound. Crimping lugs can be bent at right angles if so desired. **75c**
 Cat. No. 381 Special

Step-Up or Step-Down A. C. Voltage Regulator

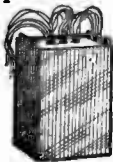


Transformer Principle

Consists of a special A. C. Transformer, housed in an attractive metal case, in which a female electric socket is positioned, for connection to any Radio receiver or amplifier consuming up to 200 Watts. The line cord and plug illustrated is attached to any 50-60 cycle A. C. light socket from 95 to 130 Volts. The three binding posts are marked: 0-8-15 volts and this transformer is provided with a switch which enables this apparatus to be used either as a step-down or step-up transformer! The flexible cable with attached prod is inserted into any one of the three binding posts, depending on what voltage you wish to "step-up," "to," or "step-down" to. The three binding posts just mentioned will do the following, in conjunction with the switch, viz: The first post makes the output voltage equal to the input voltage—the second post either lowers or raises the output voltage by approximately 8 volts—the third post either lowers or raises the output voltage by approximately 15 volts!
\$4.95
 Cat. No. 5704

Westinghouse Combined Push-Pull Input and Output Transformer with Filter Capacitor

Represents a Complete Audio System—Having its Own Audio Filtering System Self-Contained!



Contains one 3 mfd., and two 2 mfd. section condensers, in addition to the push-pull input and push-pull output transformers. Enclosed in a nicely duco finished metal shielded case, measuring 5 1/4 in. tall, 3 3/4 in. long, 2 3/4 in. wide. Mounts to your mechanical and electrical requirements. **\$1.95**
 Cat. No. 6239
 Formerly Used in Radiola 33 D. C.

Phono. Input to Dual Grid Impedance Matching Transformer
 Ideal for Use With Two Push-Pull Tubes Constituting the Input Amplifier Stage.



Mounted within an attractive cadmium plated metal case—with protruding R-M-A. colored flexible leads and crimping flanges. Primary Resistance: 400 ohms; Secondary Resistance, 8,000 ohms, center tapped. 3 3/4 in. tall, 2 3/8 in. long, 2 in. wide.
\$1.95

Cat. No. 6244

Erla Shielded A. F. Transformer



Absolutely moisture-proof—impervious to any ravages of time, assuring life long, uninterrupted and uniform service. An old favorite—and rightly so!
 Cat. No. 6069 **85c**
 PER DOZEN, \$8.90

Universal Audio Replacement Transformer

All-Stage Ratio



Cat. No. 399..... **45c**

\$4.80 PER DOZEN

Peerless Audio Transformer
 All-Stage Ratio



The transformer itself is housed within a moisture-proof compound. The iron core measures 1 1/2 in. wide, 3 3/8 in. high, 2 1/2 in. long, 2 3/8 in. deep.
 All-Stage Ratio
 Cat. No. 1536. **60c**

Polymet Audio Coupling Choke and Auto Transformer



Ideal for Use as Inter-Stage Impedance Coupling Device in Public Address Amplifiers for Obtaining Much More Desirable Tonal Reproduction Than Possible by Using Other Methods!

For interstage audio use as auto transformer; inductance is 600 Henries at 3 volts A. C., 60 cycles, with no D. C. in the winding; the total maximum D. C. resistance is 10,000 ohms. This choke is center-tapped. Leads (R. M. A. color coded), are 6 in. long. Choke measures 2 7/8 in. long, 1 1/2 in. wide, 2 1/2 in. high. Note that the use of this impedance coupling choke is recommended where no step-up ratio amplification between two tubes is desired. Its use in any fashion prevents hum pick-up possibilities!

Cat. No. 4144 **\$2.95**

Earl-Freed Dual Filter Choke
 Hum-Bucking Effect

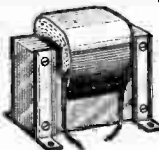
Produced by Both Chokes Due to Use of Common Lamination Stack.



Contains two chokes, each one measuring 30 henries, 450 ohms, 120 mils. Universal mounting bracket. When connected properly in parallel, they are rated as follows: 240 mils, 225 ohms, 15 henries, 4 3/4 in. long, 1 1/2 in. wide, 2 3/4 in. tall.
\$1.05

Cat. No. 6240

Grebe Heavy Duty Filter Choke
 180 Mils., 15 Henries, 140 Ohms



Massive proportions: 3 3/4 in. long, 2 3/4 in. wide, 3 1/2 in. tall. Width of silicon steel lamination stack, 1 3/8 in. Excellently adapted for all P.A. Amplifier applications! Sturdily bracketed. Equipped with 12 in. long, heavily spaghetti coated flexible leads.

Cat. No. 6241 **95c**

Brunswick 150 ohm - 125 Mil. 50 Henry Filter Choke

Tapped at 20 Ohms—Ideal for Hum-Bucking Circuit Installation!



2 3/4 in. long, 1 1/2 in. wide, 3 3/4 in. tall. Equipped with three cambric covered flexible leads.

Cat. No. 6242 **95c**

Thordarson "Giant Size" Double Choke Unit

Rating of Each Choke: 400 Ohms, 30 Henries, 150 Mils. Each.

Rating of Both Chokes in Parallel: 200 Ohms, 15 Henries, 300 Mils!



Massively proportioned—6 3/4 in. tall, 3 1/2 in. long, 2 3/8 in. wide. Equipped with four, heavily rubber insulated flexible leads, 9 inches long. Enclosed in a neatly black japanned, composition filled metal shielded case. **\$1.15**
 Cat. No. 6243

Brunswick 1 to 1 Output Transformer

1 1/2 In. Thick Laminations Fully steeped in a moisture proof compound. Will protect any speaker from high D. C. voltages used in output A. F. stages. 2 1/2 in. long, 2 3/8 in. wide, 3 1/2 in. tall. Cat. No. 4274. **39c**



"Coast-To-Coast" All Purpose and General Replacement Heavy Duty A.C. Power Transformers

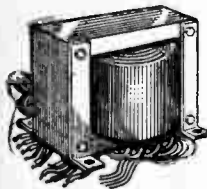
These Are Brand New Transformers—Incorporate Latest Mode in Electrical and Mechanical Improvements!

ELECTROSTATICALLY SHIELDED! COMPACTNESS PERMITS UNIVERSAL REPLACEMENT ADAPTATION!

Manufactured by Transformer Companies of National Repute

Having made a thorough survey of the replacement transformer market requirements, and gleaned thereby a valuable fund of information, our ENGINEERING DEPARTMENT entered into negotiations with some of the largest, most responsible and efficient transformer manufacturers in the country, to produce for us these BASIC TRANSFORMERS, in accordance with our rigid and conservative specifications. All these transformers are new, and not "surplus" rejects! All ratings below stated are very conservatively stated—your complete satisfaction is assured!

171 Type Transformer



Equipped With Two 1½ Volt A.C. Windings

For 6-226, 1-227, 1 or 2-171A, 1-280
If your circuit requirements do not call for the necessity of two 1½ volt windings, you leave the unwanted secondary disconnected.

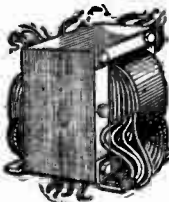
115 volt A. C. primary. 300-300 volt, 70 M. A., high voltage secondary, center tapped. 1.5 volt, 5.25 amperes, center tapped, for 5-226's. 1.5 volt, 1.05 amp., center tapped, for 1-226. 2.5 volt, 2.0 amp., center tapped, for 1-227. 5 volt, .5 amp., center tapped, for 1 or 2-171A's. 5 volt, 2.0 amp., center tapped, for 1-280. Mounting holes, 2½ in. x 3¾ in. 3¾ in. high. Rated: 75 watts.

\$1.95

Cat. No. 5516.....
For 25 Cycle—\$2.95

Over-Size 245-247 Type Transf.

Featuring Three 2½ Volt A.C. Secondaries, 850-volt High A.C., and 2½ in. Thick Laminations!



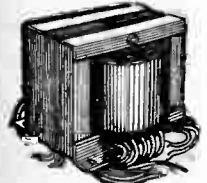
For 8 - 2½ Volt (1.75 Amp.) or 15-1.0 Amp. Tubes, 2-245 or 247, 1 - 280

115 volt A. C. Primary. 425-425 volt, 120 M. A., high voltage secondary, center tapped. 2.5 volt, 12.25 amps., center tapped, for 7 to 12-2½ volt tubes. 2.5 volt, 3.0 amps., center tapped, for 1 or 2-245's or 247's. 2.5 volt, 2.0 amps., center tapped, for 1 to 2 2½ volt tubes. 5.0 volt, 2.0 amps., center tapped, for 1-280. Mounting holes: 3¾ in. x 3¾ in. 4¾ in. high. Rated: 100 watts.

\$3.95

Cat. No. 5519.....
For 25 Cycle—\$6.95

250 A.C. Power Transformer



Rating: 175 Watts 180 Mils!
Operates 8 — 2½ Volt Tubes (1.75 Amp. Type—or 14 —1.0 Amp. Type!)
2—256, 2—281
Tubes

Primary: 115 Volts A. C. Electro Statically Shielded High Voltage: 1260. Center Tapped. Fil. Secondary No. 1: 7½ Volts, 2½ amps., Center Tapped, for 2-281. Fil. Secondary No. 2: 7½ Volts, 2½ amps., Center Tapped, for 2-250. Fil. Secondary No. 3: 2½ Volts, 14 amps., Center Tapped for 8 to 14 2½ Volt Tubes. For 50-60 Cycle A. C. Overall dimensions are 4¾ in. long, 3¾ in. wide, 5½ in. tall.

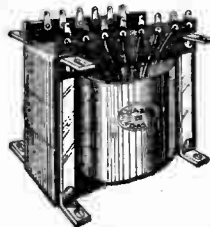
\$4.95

Cat. No. 7169.....

Dealers and Servicemen Will Save Money by Purchasing Replacement Transformers from This Page!

Assuming your customer's power transformer is enclosed in a metal can and is brought into your shop for replacement, simply MELT OUT THE CONTENTS over a gas stove after first removing the terminal brackets or other associated apparatus—then—insert therein the proper BASIC type transformer listed below, connecting the leads to the original terminal arrangement! Why go to the expense of purchasing a metal cased replacement transformer? Why pay for a metal case needlessly? Anybody can mount one of these transformers into such a can—we will furnish absolutely FREE sufficient PITCH SEALING COMPOUND for that purpose, provided you request it in your order for this series of transformers.

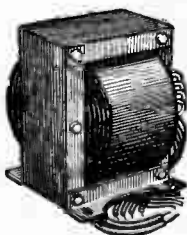
Dual Mount - Terminal Board Feature



Any of the "COAST-TO-COAST" basic power transformers listed on this page can be furnished with the unique dual-purpose mounting bracket assembly as herewith illustrated—you will note that provision is made for mounting the transformers in an upright position, permitting terminal connections, to be made ABOVE the mounting surface . . . however, the same transformer can be inversely mounted through an appropriate "cut-out" in the chassis surface, this permitting all connections to be made BENEATH the chassis! (By turning this catalog upside down, this dual purpose mount will be immediately apparent! If you desire this feature incorporated on any transformer listed on this page, please remit 45c additional above the net cost price quoted, and write "DMB" after the catalog number.

If you further desire convenient bakelite mounting strips with solder lug terminals firmly riveted thereon, as illustrated herewith, please remit 75c additional (this including the Dual Mount Bracket feature) and write "DMB-L" after the catalog number.

171 Type Power Transformer



For 7 - 2½ Volt (1.75 Amp.) or 12-1.0 Amp. Tubes, 2-171A, 1-280

115 volt A. C. Primary. 300-300 volt, 70 M. A. high voltage secondary, center tapped. 2.5 volt, 12.25 amp., center tapped for 7 to 12 2½ volt tubes. 5 volt, .5 amp., center tapped, for 1 or 2-171A's. 5 volt, 2.0 amp., center tapped, for 1-280. Mounting holes: 2½ in. x 3¾ in. 3¾ in. high. Rated: 75 watts.

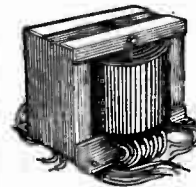
\$2.35

Cat. No. 5517.....
For 25 Cycle—\$3.35

Electrically Subjected to "Overload" Tests Before Shipment!

EVERY TRANSFORMER IS FURNISHED WITH DURABLE MOUNTING BRACKETS. They are also available with UNIVERSAL MOUNT BRACKETS, and with generous-length flexible leads or solder lug terminal board. All leads or terminal lugs are appropriately identified on a chart; no costly guesswork on your part is therefore required! DOUBLE VOLTAGE is applied, as one of the many tests imposed, to reveal any weak points in the insulation!

245-247 Type Power Transformer



Furnished with Two 2½ Volt Windings!
For 7 - 2½ Volt (1.75 Amp.) or 12-1.0 Amp. tubes, 2-245 or 247, 1-280
115 volt A. C. Primary. 375-375 volt, 110 M. A., high voltage secondary, center tapped. 2.5 volt, 12.25 amps., center tapped.

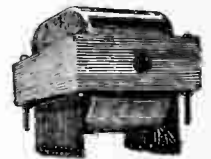
2.5 volt, 3.0 amps., center tapped, for 1 or 2-245's or 247's. 5.0 volt, 2.0 amps., center tapped, for 1-280. Mounting holes: 3¾ in. x 2¾ in. 4¾ in. high. Rated: 85 watts.

\$2.65

Cat. No. 5518.....
For 25 Cycle—\$3.35

Polymet Heavy Duty 100 Watt 245-247 Power Transformer

Equipped with Two 2½ Volt Windings
For 7 - 2½ Volt (1.75 Amp.) or 12-1.0 Amp. Tubes, 2-245 or 2-247, 1-280

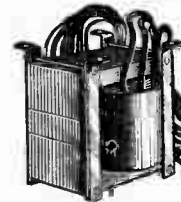


Primary: 120 volts A. C., tapped at 105 volts. Equipped with Electrostatic Shield. 375-375 volt, 110 M. A., high voltage secondary, center tapped. 5.0 volts, 2.0 amps., for 1-280. 2.5 volts, 3.0 amps., for 2-245's or 247's. 2.5 volts, 12.25 amps., center tapped, for 7 to 12 2½ volt tubes. Mounting holes: 3¾ in. x 3¾ in. Height above sub-panel, 2½ in. Rating: 100 watts. Connections are made to two terminal plates.

\$3.65

Cat. No. 5522.....

250 Type Power Transformer



Equipped with Three 2½ Volt A.C. Windings!

For 8 to 14 - 2½ Volt Tubes, 1 or 2-250, 2-281

PRODUCES 1400 Volts A.C. Rating 150 Watts—180 Mils. D.C.

120 volt A. C. Primary, tapped at 110 volts. 700-700 volts at 180 amps. Fil. No. 1—7.5 volt, 2.5 amps. for 2-281. Fil. No. 2—7.5 volt, 2.5 amps. for 1 or 2-210, 250. Fil. No. 3—2.5 volt, 7.0 amps. for 4 to 7 2½ volt tubes. Fil. No. 4—2.5 volt, 5.0 amps., for 3 to 5 2½ volt tubes. Fil. No. 5—2.5 volt, 2.0 amps., for 1 to 2 2½ volt tubes. Mounting dimensions: 3¾ in. x 3 in. x 3¾ in. tall.

\$7.95

Cat. No. 6224.....

NOTE: The new 2½ volt 56-57-58, etc., Type Tubes only draw 1.0 amp., as compared to 1.75 amps., the current consumption of the 224, 227, 235, etc., types. You can, therefore, light more tubes of the new types on any given 2½ volt filament secondary.

"Coast to Coast" Heavy Duty A. C. Power Transformers ... Cont'd.

Flat Mount "Bell Top" Power Transformer Series

For Midget and Regulation Size Chassis Application

For Use With All Types of 1.75 and 1.0 Amp. 2½ Volt Tubes and 280 Rectifier.



A compact power transformer adaptable to almost every kind of set. Usually mounted by cutting hole in chassis base sufficiently large to permit lower part of unit to extend below surface of chassis. Lugs then come out at bottom for convenient connection. Cadmium plated steel half shell. Detailed diagram included.

For 4-6 Tube Super-Heterodyne Short Wave Converters or Receivers
 Primary: 115 Volts, 50-60 cycles A. C. Secondary: 275-275 volts, 25 M. A., center tapped; Filament winding: 5 volts, 2 amp., for 1-280; Filament winding: 2.5 volts, 5.5 amp., center tapped for 3 to 5-2½ volt tubes. Overall size: 3¼ in. x 3¼ in. Mounting holes: 2½ in. x 3¼ in. Cat. No. 5535..... **\$1.45**

For 5 to 7 Tube A.C. Receivers
 Primary: 115 volts, 60 cycles; Secondary: 650 volts, center tapped, at 45 M. A.; Filament No. 1: 5 volts, 2 amp. for 1-280; Filament No. 2: 2.5 volts, 6.75 amps. Overall size: 3¼ in. x 2½ in. Mounting dimensions: 2½ in. x 2½ in. Cat. No. 5522..... **\$1.39**

For 5 to 8 Tube A.C. Receivers
 700 Volt, 50 M.A.
 Primary: 115 Volts, 60 cycles; Secondaries: 350-350 Volts, center tapped, at .050 amps.; 2.5 Volts, center tapped, 7 amps., for 4 to 7 tubes; 5 volts, 2 amps., for 1-280. Mounting holes: 2½ in. x 3¼ in. Cat. No. 6225 **\$1.65**

For 6 to 9 Tube A.C. Receivers
 Primary: 115 volts, 60 cycles. Secondary: 650 volts, center tapped, at 55 M.A. Filament No. 1: 5 volts, 2 amps. for 1-280; Filament No. 2: 2.5 volts, 8.5 amps. Overall size 3¼ in. x 3¼ in. Mounting dimensions: 2½ in. x 3¼ in. Cat. No. 5533..... **\$1.85**

For 6 to 9 Tube A.C. Receivers
 700 Volt, 70 M.A.
 Primary: 115 Volts, 60 cycles. Secondaries: 350-350 Volts, center tapped; .070 Amps.; 2.5 Volts, 8.25 Amps., center tapped, for 5 to 8 tubes; 2 volts, 2 amps., for 1-280. Mounting holes, 3¼" x 2½". Cat. No. 6226..... **\$2.45**

For 8 to 13 Tube A.C. Receivers
 Primary: 115 volts, 60 cycles. Secondary: 700 volts, center tapped, 70 M. A. Filament No. 1: 5 volts, 2 amps. for 1-280; Filament No. 2: 2.5 volts, 12.25 amps. Overall dimensions: 3¼ in. x 3¼ in. Mounting dimensions: 2½ in. x 3¼ in. Cat. No. 5534..... **\$2.85**

For 8 to 15 Tube A.C. Receivers
 700 Volts, 90 M.A.
 Primary: 115 Volts, 60 cycles. Secondaries: 350-350 Volts, .090 amps.; 2.5 volts, 14 amps., center tapped, for 7 to 14 tubes; 5 volts, 2 amps., for 1-280. Mounting holes: 3¼" x 2½". Cat. No. 6227..... **\$3.90**

NOTICE: Any of the A.C. Transformers above listed can be furnished with a 2.5 volt, 3.0 amp. center-tapped winding in addition to the present 5.0 volt, 2.0 amp. 280 winding) for the new 82 type MERCURY RECTIFIER for 90¢ additional!

Class "B" Public Address Amplifier Brute Filter Choke

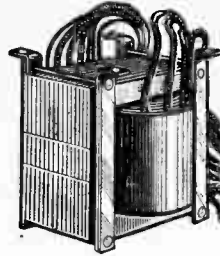
10 Henries, 200 Mils, 30 Ohms.



For perfect filtration of "Class B" P. A. amplifiers, it is necessary to employ a choke having the above specifications—the secret of success enjoyed by all super-powerful Class B Amplifiers is in great degree attributed to the use of these chokes. 3¼ in. x 3¼ in. x 5¼ in. tall. **\$4.90**

Cat. No. 6230

Class "B" Public Address Amplifier A.C. Power Transformer and Filter Chokes



Specially Designed For Latest Type PUSH-PUSH 46 Class "B" Tubes In Suitable Amplifier Circuits Producing Up to 25 WATTS AUDIO OUTPUT.

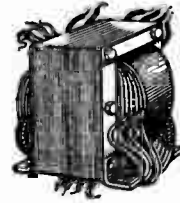
Operates Either 2—1.75 Amp. 2½ Volt Tubes, or, 3—1.0 Amp. 2½ Volt Tubes; 1 or 2 "Driver" Stage 46 "A" Tubes; 2—PUSH-PUSH "B" 46 Tubes; 1 or 2—82 Rectifiers, OR, 1 or 2—83 Ideal For Sound Truck Installations, Due to Amazing Low Power Consumption Drain of ONLY 120 WATTS!

Class "B" amplifiers require the highest order of electrical quality apparatus capable of perfect voltage regulation, and the very heart of such an amplifier circuit is the A.C. Power Transformer itself. You can be completely assured that this transformer merits the favorable consideration and adoption of P. A. System Engineers. In fact, we use this very A.C. transformer in our series of 20-25 WATT CLASS "B" AMPLIFIER INSTALLATIONS! Your thoughtful prudence in selecting suitable component parts should not end here. For, you should consider no other Brute Filter Choke than those listed below!

SPECIFICATIONS:
 PRIMARY: 113 volts, 50-60 cycles A.C. WATTAGE RATING: 125. (Can actually supply 180 watts, with standard temperature rise.) HIGH VOLTAGE: 415-415, total D.C. mils 200. (drawing 125 watts. (Total Max. Mil. at 180 watts, 350 mils.)
 Fil. Secondary: 2.5 Volts, 3.5 Amps., center tapped
 Fil. Secondary: 2.5 Volts, 3.5 Amps.
 Fil. Secondary: 2.5 Volts, 3.5 Amps., center-tapped
 Fil. Secondary: 5.0 Volts, 6.0 Amps., center tapped.
 For maximum efficiency, the center tap on this winding is brought out in the form of the same size wire as the actual winding itself. DIMENSIONS: Distance between mounting holes: 3¼ in. x 4¼ in. overall dimensions: 4¼ in. long, 4 in. wide, 5 in. tall. Lamination Stack measures 2¼ in. wide by 4 in. by 4¼ in. Cat. No. 6228 **\$9.50**

Class "B" Power Transformer for A. C. Receivers

Furnishes all necessary Voltages for 7 Old Type 2½ Volt Tubes or 12 New Type 1.0 Amp. Tubes! For "Driver" Stage and For "PUSH - PUSH" Stages.



Makes Possible 16 Watt Reproduction Employing ONLY 300 Volts on the Plates of Both Class "B" PUSH-PUSH 46 TUBES!

SPECIFICATIONS
 Primary: 113 volts, 50-60 cycles A. C. Wattage rating: 100 watts. High voltage: 320-320, total D.C. Mils. 150. Fil. Secondary: 2.5 volts, 14.0 amps., center tapped. Fil. Secondary: 2.5 volts, 1.75 amps. Fil. Secondary: 2.5 volts, 3.5 amps. Fil. Secondary: 2.5 volts, 3.0 amps., for 1-82 mercury rectifier. Dimensions: Mounting holes: 3¼ in. x 3¼ in. 4¼ in. high. **\$5.95**

Cat. No. 6229.....
 (NOTE: We can also supply this transformer with a 5 volt, 3.0 amp. winding for an 83 type rectifier, \$6.35.)

Class "B" A.C. Receiver and P. A. Amplifier Brute Filter Choke

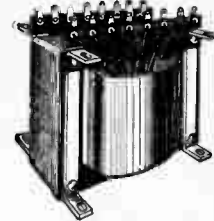
15 Henries, 175 Mils, 100 Ohms



With due modifications, all that has been said of Cat. No. 6230 Class "B" choke also applies to this equally remarkable filter choke. 3¼ in. long, 3¼ in. wide, 4¼ in. tall. **\$2.90**

Cat. No. 6231.....

250 A. C. Power Transformer 281 Rectifier Model



Rating: 175 Watts

Built to Deliver 180 Mills. D. C. 1260 Volts A. C. Excellent for use in Public Address Amplifiers

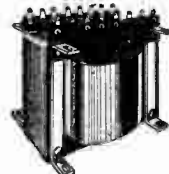
Operates 8—2½ Volt Tubes (1.75 Amp. Type—or 14—1.0 Amp. Type!) 2—250, 2—281 Tubes

Primary: 115 Volts A. C. Electro Statically Shielded High Voltage: 1260, Center Tapped. Fil. Secondary No. 1: 7½ Volts, 2½ amps., Center Tapped, for 2-281. Fil. Secondary No. 2: 7½ Volts, 2½ amps., Center Tapped, for 2-250. Fil. Secondary No. 3: 2½ Volts, 14 amps., Center Tapped for 8 to 14 2½ Volt Tubes. For 50-60 Cycle A. C. These transformers employ the very finest quality of silicon iron laminations, and a large number of turns per volt—an assurance of maximum efficiency! By turning this page upside down, you will better visualize the convenience offered in being able to make connections to the soldering lug bakelite plate, either above or below the chassis. The lamination stack measures: 1½ in., and the core dimensions are 4¼ in. by 4¼ in., and the overall dimensions are 4¼ in. long, 3¼ in. wide, 5½ in. tall.

Cat. No. 4263..... **\$5.88**
 Cat. No. 4263-A. Same as Cat. No. 4263 above, but equipped with an additional 2½ Volt, 3.5 Amp. Winding..... **\$6.90**
 Cat. No. 4264. VENTILATED and attractive metal shield case, 4¼ in. long, 3¼ in. wide, 6 in. tall..... **80¢**

Mercury Rectifier Operated 250 Public Address Amplifier Power Transformers

Rating: 165 Watts



Identical Model as Used in "Coast-to-Coast" Super-Power Public Address Amplifiers! A Huge Over-Size "Power Plant"—Delivers 1120 Volts at 180 Mills!

The 14 Amp., 2½ Volt A.C. Supply Furnished Will Operate Up to 8—2½ Volt, 1.75 Amp. Tubes, OR, 14—2½ Volt, 1.0 Amp. Tubes. Types 866-871-83 or 588 Mercury Rectifier Tubes May Be Employed

Due to the unique placement of the solder lug terminal bakelite plate and the position and manner of mounting bus connections may be made thereto either above or below the chassis. The lamination stack measures: 1½ in., and the core dimensions are 4¼ in. by 4¼ in., and the overall dimensions are 4¼ in. long 3¼ in. wide, 5¼ in. tall. The windings are as follows: Primary: 115 Volts A.C. Electro-statically shielded. High Voltage 1120, Center Tapped, 180 Mills. Filament Secondary No. 1: 2.5 Volt, 8.0 Amps., for 2-871 Mercury Rectifiers. Filament Secondary No. 2: 7½ Volts, 2½ Amp., Center Tapped. For 2-250, Filament Secondary No. 3: 2½ volts, 14 amp., center tapped. For 8 to 14 2½ Volt Tubes. For 50-60 cycle A.C. Cat. No. 5526. 871 Rectifier Model **\$5.95**

Cat. No. 5526-A 83 or 588 Rectifier Model. Same as Cat. No. 5526, but equipped with a 5 volt, 3.0 Amp. Rectifier Winding **\$6.40**

Dual 866 Mercury Rectifier Type Transformer

Exactly similar to Cat. No. 5526 but is equipped with a 2½ Volt, 10 amp. Rectifier windings, for 1 or 2-866 Mercury Rectifiers. Cat. No. 5528 **\$7.95**

1260 Volt Mercury Rectifier Operated A.C. power transformer. 871 Model

Identical to Cat. No. 5526, but possesses a 1260 volt winding instead of 1120 volts. Ideal for transmitters, high resistance filter circuit P.A. amplifiers, Cat. No. 5526-B **\$6.40**
 Cat. No. 5526-C. Same as Cat. No. 5526-B, but designed for use with 2-866 Mercury Rectifiers. **\$8.40**
 Cat. No. 5527. VENTILATED and attractive metal case, 4¼ in. long 3¼ in. wide, 6 in. tall. Houses any of the above transformers. Price **90¢**

Philco Power Transformers



Enclosed in handsome black enameled steel cases, for sub-panel mounting. Overall sizes: 3 3/4 in. x 4 1/4 in. x 6 in.

Philco Part No. 4234
Cat. No. 5454. For Models 20, 220. For 3-24, 1-27, 2-71, 1-80..... **\$2.85**

Philco Part No. 3516
Cat. No. 5455. For Model 65. For 2-24, 1-27, 2-45, 1-80..... **\$2.85**

Philco Part No. 5117
Cat. No. 5456. For Models 70, 270, 470. For 4-24, 1-27, 2-45, 1-80..... **\$2.85**

Philco Part No. 3868
Cat. No. 5457. For Models 73, 76, 77. For 3-24, 1-27, 2-45, 1-80..... **\$2.85**

Philco Part No. 3271
Cat. No. 5458. For Models 82, 86. For 4-26, 1-27, 2-45, 1-80..... **\$2.85**

Philco Part No. 8400
Cat. No. 5459. For Model 87. For 4-26, 1-27, 2-45, 1-80..... **\$2.70**

Philco Part No. 3752
Cat. No. 5460. For Models 92, 95, 296. For 3-24, 3-27, 2-45, 1-80..... **\$2.85**

Philco Part No. 4446
Cat. No. 5461. For Models 111, 211, 112, 212. For 4-24, 4-27, 2-45, 1-80..... **\$2.85**

Philco Part No. 4938
Cat. No. 5462. For Model 90. For 4-24, 2-27, 2-45, 1-80..... **\$2.85**

Philco Part No. 3073
Cat. No. 5463. For Models 511, 521, 531, 541, 551, 561, 571, 581. For 4-26, 1-27, 2-45, 1-80..... **\$2.85**

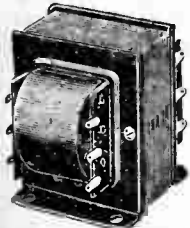
Earl "A-B-C" 171 Power Transformer

"A," "B" and "C" potentials for two '27's, four '26's, two '71A's and one '80 rectifier; total current output of high-voltage winding at maximum output (about 200 volts) is 80 ma. High-voltage secondary filament winding for '27's, and for '71A's are center tapped. May be used in any number of combinations.



Cat. No. 5448..... **\$1.45**

Sparton-Thordarson A.C. Power Transformers



Cat. No. 6216. For Models 69, 79, 79A, 89..... **\$3.75**

Cat. No. 6217. For Models 99 Ensemble, 109..... **\$8.60**

Cat. No. 6218. For Model 89-A..... **\$6.75**

Cat. No. 6219. For Model 930..... **\$3.75**

General Electric Step-Down Auto Transformer

Steps Down 220 Volts A. C. to 110 Volts A. C. 275 Watt Output

Will deliver sufficient current for any large set, including radio-phonograph combinations. Also suitable for washing machines and other electrical appliances drawing heavy current.



Cat. No. 6213..... **\$2.75**

Jefferson 14 Volt A. C. Step-Down Transformer



Primary, 110-120 Volts, 50-60 Cycles A. C. current. Has Output of 14 Volts A. C., at 2 1/2 Amperes. Ideal for A. Eliminators, Dynamic Speakers, Trickle Chargers, Bell Ringing and Toy Transformers. 3 3/4 in. x 2 3/4 in. x 3 3/8 in.

Cat. No. 394..... **90c**
Senior Model Output 14 Volts A.C., at 10 Amps.

5 1/2 in. long, 3 1/2 in. wide, 2 1/2 in. deep!
Cat. No. 6214..... **\$1.65**

A. C. Replacement Transformer for Zenith 50-60-70 Series, ZE-50, ZE-60, ZE-70 Power Units



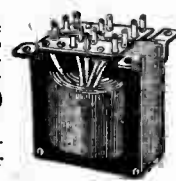
Equipped with tapped primary and two 2 1/2 volt A. C. Windings Ideal for All Pentode Power Packs

Supplies filament and plate voltages to 3—(or 4) '24, 3—'27, 2—'45, 1—'80.

Cat. No. 1314..... **\$4.95**

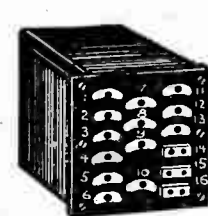
Replacement A.C. Power Transformer for Kolster K-20, K-21, K-22, K-23, K-25, K-27, K-28 A. C. Sets

One of the most popular transformers in our whole line. Will handle up to 5-226, 1 or 2-227, 1 or 2-171A, 1-280. Very compactly built.



Cat. No. 1350..... **\$4.60**
For Kolster K-24 Set. For 4 or 5-226, 1-227, 1-210 (or 1-250), 2-281.
Cat. No. 1016..... **\$5.45**
(All Other Models in Stock)

Edison 245 A. C. Transf. (For R-4, R-5, C-4 A. C. Sets)



Equipped with Three 2 1/2 Volt Fil. Secondaries

Designed for sets using six 227 or 224 tubes—two 245 tubes—one 280 tube. Furnishes 300 volts plate current at 100 M.A. One filament winding lights 4-227 (or 224); one lights a 227 (Detector); one lights 2-245 (center tapped); one lights 1-280; and one furnishes the high voltage (center tapped). Three taps are on the primary. For 110 Volt 60 Cycle A. C. 5 in. x 5 in. x 5 1/4 in.

Cat. No. 430..... **\$5.75**

6 Volt A. C. Bell-Ringing Transformer

With Optional Secondary for 330 Volts A.C.



Formerly designed for use with Kylelectron Condenser speakers, to which it furnished 330 V. on terminals Nos. 4 and 5. If not required, just ignore and use Nos. 3 and 4 for 6 V. A.C. Nos. 1 and 2: 110 V. A.C. primary. Size: 1 1/2 in. x 2 1/4 in. x 2 1/4 in. Very useful around every shop, and in any home, as a bell ringer, or, as a "toy transformer."
Cat. No. 1460..... **45c**

Precise Relay Circuit Breaker



Can be adjusted to "open" any circuit, at any predetermined over-load, or in the event of a "short." Passes up to 300 Watts. Mounts in any convenient position. Pressing the red button "sets" the relay. Any short or over-load, automatically disconnects the line voltage.

Saves thousands of dollars in fuses, tubes, power transformers, etc. Connected in series with power line. Easily made into a portable unit.

Cat. No. 2523..... **\$2.65**

Freed-Eiseman Heavy Duty 171 A. C. Power Transformer

Equipped with Convenient Mounting Frame and Terminal Lugs

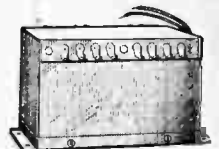


Heavily bracketed, unusually well designed and constructed. For 4 or 3-226, 1 or 2-227, 1 or 2-171A, 1-280.
Cat. No. 6215..... **\$3.70**

(Special model—with two 1 1/2 volt A.C. windings—above model only has one.....\$4.95)

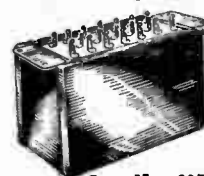
Jefferson 171 Power Transformer and Choke Compact

Note the conveniently placed solder lug terminals. Enclosed in a heavy gauge steel case, 6 in. long, 3 in. wide, 4 in. tall. Primary, tapped at 110 volts and 120 volts A.C. The center tapped high voltage secondary produces 500 volts; has a 1 1/2 volt winding for 5-226 tubes; a center tapped 2 1/2 volt winding for 1 or 2-227, a center tapped 3 volt winding for 1 or 2-171A, a 5 volt winding for 1-280 Rectifier. Also contains a heavy duty 500 ohm, 80 mil. choke.



Cat. No. 6220..... **\$2.95**

Thordarson No. T-3231 171A "A-B-C" Power Compact



Contains A. C. Filament and Plate Transformer Combined with Two 30 Henry, 85 Mil. Filter Chokes

Operates 4 or 5-226, 1 or 2-227, 1 or 2-171 A, Cat. No. 2975 1-280 A. C. Tubes.

This power pack is used in many standard receivers—you can very easily recognize this power pack contained in such A. C. receivers. Requires only a 280 tube and socket plus a 13,000 ohm, tapped resistor bank, to completely electrify any battery receiver. The solder lug terminals (19 of them) are riveted to a bakelite strip attached to the bottom of this compact. Four mounting holes are provided, 1 1/8 in. apart and 6 3/8 in. away from each other. Contained in a handsome black japanned metal case (with rounded corners), 7 1/8 in. long 3 3/8 in. wide, 4 1/2 in. high. (Actual weight, 10 lbs.1) Each choke measures 300 ohms! 600 volts at 60 M. A. is produced! Both 5-volt windings, the high voltage winding, and the 2 1/2-volt windings and two chokes are CENTER-TAPPED.

Cat. No. 2975—T3231..... **\$3.95**

"Universal" A. C. 171 Power Pack

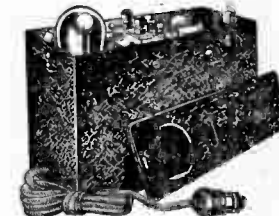
Furnishes A. C. Filament Voltages to 4-226, 1 or 2-227, 1 or 2-171 A, and 1-280 Tubes, also "B" Voltages (+45 v., +90 v., +180 v.) with Self-Contained "C" Bias Provisions.



Handsome black japanned metal case, 15 3/4 in. long, 2 1/4 in. wide, 6 3/4 in. high. Equipped with a High-Low A. C. line voltage toggle switch, and bakelite terminal strip underneath readily removable cover. For 110 volts, 50-60 Cycles A. C.

Cat. No. 5707..... **\$7.50**

Kolster "A-B-C" 171 Mammoth A.C. Power Pack

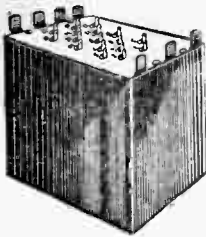


Originally Designed for Kolster 6J-6K-6M-6F-6R A.C. Receivers.

Excellent! Adaptable for Conversion of All Battery Receivers Into A.C. Operated Models!

Delivers 1 1/2 volts for 4 or 5-226, 2 1/2 volts for 1-227, 5 volts for 1 or 2-171 and 5 volts for 280 Rectifier. Also delivers plus 45, plus 90, plus 180 volts "B," as well as minus 6 volts and minus 45 volts "C" bias. Contains a valuable Speaker Output Choke with terminals. "Hi-Lo" Switch for various primary voltages. Conveniently accessible bakelite terminal board, 12-foot line cord, and provision for external flexible line switch. 10 3/4 in. long, 4 1/4 in. wide, 8 in. tall. For 50-60 cycle A. C.
Cat. No. 4265. For use with Dynamic or Magnetic Speaker Operated Receivers **\$9.85**

Brand New A. C. Power Transformer for Victor 245 RE-32, R-42, RE-45, RE-75 A. C. Sets



For 6-226, 1-227, 2-245 (or 2-247 Pentodes!) 1-280 Tubes. Equipped with Two 1½ volt, and Two 2½ Volt A.C. Secondaries and an 800 Volt. A.C. H. V. Secondary

These are not salvaged transformers, that have been removed from R.C.A. Victor Power Amplifiers—they are exactly what we say, viz., BRAND NEW! By brand new, we mean just this: The transformer winding itself is BRAND NEW! The heat resisting and moisture-proof sealing compound is BRAND NEW! The metal housing case, laminations, insulation, rivets and terminal lugs are all BRAND NEW! These transformers are made today by one of America's largest transformer manufacturer, who formerly made thousands of similar transformers for these 245 series receivers for The Canadian Westinghouse Co.

GUARANTEED ONE YEAR

\$4.45

Cat. No. 3168.....

Majestic Replacements A. C. Filament and A.C. Plate Transf. for Majestic 7B6, 60, 70, 80, 7BP6, etc., Receivers Part No. 61

Fil. Transformer

Contains: Primary winding; 2-1½ volt A. C. secondaries, one for 1-226 (used in 1st A. F. stage) and other is for 3 or 4-226 R. F. tubes. 1-2½ volt A. C. secondary for 1-227; 1-5 volt A. C. center tapped secondary for 1 or 2-171A tubes.



95c

5 in. x 3½ in. x 4½ in.

Cat. No. 1312

Plate Transformer Part No. 67

Contains: Primary winding; center tapped high voltage secondary and center tapped 5 volt A. C. secondary for 280. 5 in. x 3½ in. x 4½ in. Cat. No. 1313.....

95c

Majestic 90 - 91 - 92 - 93 - 100 Plate and Filament Power Transformer in One



Majestic Part No. 9P6 and 436

For 5-227, 2-245, 1-280. 6¾ in. long, 5 in. wide, 4¾ in. tall.

Cat. No. **\$1.75**
4275.

Majestic 90B, 100B, 130A, and 230A Plate and Filament Power Transformers

Excellent for Replacement in All Other Makes of 245 or 247 Tube Equipped Receivers



For 5-227 (or 224), 2-245, 1-280.

Cat. No. 4276..... **\$5.95**

Three Section By-Pass Condenser Block for Atwater Kent



Models 37, 38, 40, 42, 44, and 46.
Consists of C, .25, .25, and .25 mfd. sections.

Cat. No. 3139 ... **75c**

Replacement "A-B-C" Power-Pack Unit for

Atwater Kent A. C. Sets Models 40-42-43-44-45-46-47-52-53

Contains both a Power Transformer and Filter Condenser and Choke Unit



For 4 or 5-226, 1 or 2-227, 1 or 2-171A (or 112A), and 1-280

To replace a defective power-pack in any of the A-K sets requires No Special Knowledge. Tools or Skill; the flexible vari-colored leads need simply to be connected to the resistance strip and 280 tube socket, in accordance with explicit directions furnished. A heavy gauge steel case is furnished, not a cheap case made of tin! This superior quality pack actually costs Less than much inferior units offered elsewhere! Ideal for Fully Efficient Conversion of Battery Sets Into Modern A. C. Receivers

It follows quite logically that as the very heart of an A-K set is in the power pack itself, you may wisely choose this pack for such conversion purposes. Also Ideal for Use as a Power Pack in Any Make A-C Receiver, using similar combinations of tubes.

For Models 40-42-44-45-52

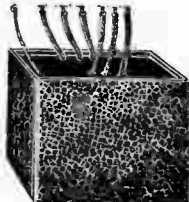
Cat. No. 1364..... **\$5.95**

For Models 43, 46, 47 and 53 Contains Output Transformer to Match Voice Coil of a Dynamic Speaker

Cat. No. 1763..... **\$8.50**

Replacement Condenser - Choke Block for Atwater Kent 37-38 Sets

Contains Two High Voltage Filter Chokes, One Speaker Choke and Four Condensers.



There are several replacement blocks for AK sets being sold that only contain two chokes, certainly producing much less efficient results!

This block contains three chokes and four condensers! It is a simple matter to replace this block into any AK 37-38—it exactly fits the space previously occupied by the block you are replacing—same colored leads further assure immediate installation! 5 in. long, 3¾ in. wide, 4½ in. high. Contained in a heavy gauge metal case—not a tin can. **\$1.95**

Cat. No. 1370.....

Filter Condenser Assembly Section for Atwater Kent Sets

For 37-38 Sets



Consists of four highest grade filter condensers, steeped in pitch, making one compact unit. Can be very easily placed into the AK 37-38 filter block, and rewired to the three chokes contained therein. This unit can also be used in most any power pack! Contains: 4-1 Mfd. sections (2-300 volt, 1-400 volt, 1-450 volt).

Cat. No. 1375 ... **\$1.45**

For 43, 45, 47 and 53 Sets

Contains Five Filter Condensers. Remove present defective condenser assembly, and merely slip this replacement unit into place. **\$2.95**

Cat. No. 2916.....

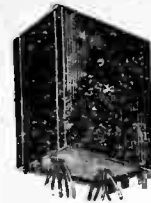
Speaker Filter By-Pass Condenser Block for Atwater Kent

Models 37, 38, 40, 42, 44, 46.



Cat. No. 3138..... **60c**

Power Transformers for Radiola-R. C. A. Sets



For Radiolas 17, 18, 33 and 50, 51; Brunswick 2 KRO—3 KRO—3 KR6—5 KR—5 KRO—5 KR6; Victor 7-11, 7-25, 7-26, 17-8; Graybar 311.

R.C.A. Part No. 8335

Furnishes Filament and Plate Current for 4-226, 1-227, 1 or 2-171A, 1-280 tubes. 600 vclt center tapped high voltage secondary.

Cat. No. 390 **\$2.95**

For Radiolas 44, 46, 47 For RCA Part No. 8472

Furnishes Plate and Filament Current for 3-224, 1-245, 1-280. (Actually designed to operate 5-224, 2-227, 2-245, 1-280.) 660 volt center-tapped high voltage secondary.

Cat. No. 391..... **\$3.25**

Radiola 42 and 48 (see below)\$2.65

For Radiolas 60-62 Brunswick 3NC8, 5NC8 Graybar 60

For RCA Part No. 8344

Furnishes Filament and Plate Current for 6 or 7-227, 1 or 2-171A, 1-280. 600 volt center tapped high voltage secondary.

Cat. No. 389..... **\$3.25**

For Radiola 66 RCA Auditorium Phono. Graybar 600

For RCA Part No. 8483

Furnishes Filament and Plate Voltage for 6 or 7-227, 1 (or 2)-245, 1-280. 660 volt, center-tapped, high voltage secondary.

Cat. No. 325..... **\$3.50**

For Radiolas 80-82-86 Victor 35-39-57 General Electric 31-51-71 Westinghouse WR-5-6-7, Graybar 700-770-900

For RCA Part No. 8566

Furnishes Filament and Plate Voltage for 4-224, 2-227, 2-245, 1-280

Cat. No. 2247..... **\$2.65**

Replacement Condenser Blocks for R. C. A. Radiola Sets

Also ideal for use in all other Standard makes of A. C. Receivers!

Cat. No.	Re-Placement for R.C.A. Part No.	Re-Placement for West- inghouse Part No.	For use in Radiola Set No.	Our Price
2251	8289	WG 4	17-50	\$2.70
2252	8333	WG12	18, 33, 51	.75
2253	8476	WG60	44, 46, 47	2.70
2254	8346	WG10	60, 62	2.70
2255	8487	WG37	66	3.90

Genuine Radiola 42-48; Graybar, General Electric T-41; Victor 14-15-17; Westinghouse WR-4; A. C. Power Transformer

Part. No. 61950—RCA Part No. 8609

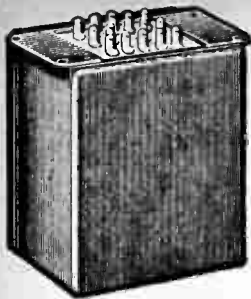
Protruding lugs slip through slots punched out on above named chasses—they may be bent at right angles, and holes drilled through them for other mounting arrangements.

Delivers 1,000 Volts A. C.!

A very unusual transformer —ideal for high resistance filter circuits! Contains a tapped primary, and the following secondaries: 1,000 volt, center tapped (400 D. C.); 5 volts A. C. for 1-280; 2½ volts A. C.; 12 amps., for up to 6-2½ volt tubes (224-235-245 or 227's). Handsomely cadmium plated and shaped end cases. 4½ in. high, 3¾ in. long, 3¾ in. wide. For 110-120 volts, 50-60 cycles A. C. **\$2.65**

Cat. No. 3158
Cat. No. 5380, 25 Cycle Model. Lamination Stack, fully ¾ in. thick! **\$4.95**
Total length, 5 inches!





Zenith 50, 60, 70 Series

REPLACEMENT POWER TRANSFORMERS—CONDENSER BLOCKS

For Every Make and Model Standard Receiver

We have grouped these transformers in respect to the POWER TUBES employed in standard Radio Receivers, and in accordance with the total number of tubes used, for the sole purpose of setting a common cost group price. When ordering, please mention the make and model number of the set for which you desire a replacement transformer, sending us your remittance as notated in the boxes below. You will find this an accurate and simple way to order Replacement Transformers . . . and our prices defy competition!



Stromberg Carlson
641-642-652-654

All Transformers, etc., Listed Below, are Designed for 110 Volt, 50-60 Cycle A.C. Operation—Special Models Available for 25 Cycle— for — 50% Additional

These Replacement Power Transformers Can Be Installed in a Few Minutes by Any Novice

A clearly understandable wiring diagram is furnished, although it really is not necessary, for the identical wiring connections as were made on your old defective transformer are made to these REPLACEMENT TRANSFORMERS.

Replacement Power Transformer For All Sets Employing

ONE or TWO 171-A's
As Power Output Tubes

For Models using up to Seven Tubes in all. Cat. No. 6467— **\$3.45** For Models using over Seven Tubes in all. Cat. No. 6468— **\$4.35**

Replacement Power Transformer For All Sets Employing

ONE or TWO 245's
As Power Output Tubes

For Models using up to Seven Tubes in all. Cat. No. 6469— **\$3.95** For Models using over Seven Tubes in all. Cat. No. 6470— **\$4.65**

Replacement Power Transformer For All Sets Employing

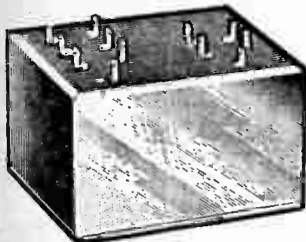
ONE or TWO 247's
As Power Output Tubes

For Models using up to Seven Tubes in all. Cat. No. 6471— **\$3.95** For Models using over Seven Tubes in all. Cat. No. 6472— **\$4.75**

Replacement Power Transformer For All Sets Employing

ONE or TWO 210's or 250's
As Power Output Tubes

For Models using up to Seven Tubes in all. Cat. No. 6473— **\$6.95** For Models using over Seven Tubes in all. Cat. No. 6474— **\$8.95**

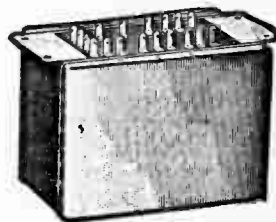


Majestic 90, 9 P 6

Our Replacement Transformers Are Brand New and Warrant Your Exclusive Adaption

Every replacement unit sold by "Coast-To-Coast" carries a binding Guarantee—They must perform and function correctly, or you reserve the right to return any unit in accordance with our liberal guarantee. To keep our returns down to the lowest possible minimum, our co-workers diligently fill your orders, and triple-test every piece of appa-

ratus before it leaves their instrument racks. To prevent any error of installation on YOUR PART, we attach a readily understandable chart to each replacement power unit, showing the proper terminals and their position in relation to the receiver or pack in which they will be installed. Our main objective is TO SERVE YOU INTELLIGENTLY.



Apex 36, 37

Replacement Condenser Blocks for Every Make and Model A. C. Receiver
Please follow the same procedure as indicated above, when ordering a replacement condenser block. When ordering, please be sure to mention make and model of set.

Replacement Condenser Block

For All Sets Employing One or Two 171-A's As Power Output Tubes

Cat. No. 6475 . . . **\$3.30**

Replacement Condenser Block

For All Sets Employing One or Two 245's As Power Output Tubes

Cat. No. 6476 . . . **\$3.65**

Replacement Condenser Block

For All Sets Employing One or Two 247's As Power Output Tubes

Cat. No. 6477 . . . **\$3.95**

Replacement Condenser Block

For All Sets Employing One or Two 210's or 250's As Power Output Tubes

Cat. No. 6478 . . . **\$7.50**

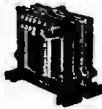


Kenyon Transmitter Heating Filament Transformers

Cat. No.	Secondary Volts	Sec. Amps.	Dimensions			Your Cost
			Overall Length"	Height"	Width"	
6962	2.5	10	2 3/4	4 3/4	5 3/4	\$5.94
6963	5	20	3 1/2	4 3/4	5 3/4	\$10.00
6964	10	7	3 1/2	4 3/4	5 3/4	\$10.00

Note: Secondaries are center-tapped; 10,000 volt test.

Kenyon Transmitter Plate Supply Transformers



Cat. No.	Secondary Volts	Sec. W.A.	Dimensions			Your Cost
			Overall Length"	Height"	Width"	
6965	750/750 600/600	130	4	6 1/2	7 3/4	\$8.21
6966	1000/1000 1500/1500	200	4 1/2	6 1/2	7 3/4	\$11.76
6967	2500/2500 2000/2000 1500/1500	200	5 1/2	6 1/2	7 3/4	\$17.64

Note: Cat. No. 6965 is supplied with two center tapped 7.5 volt 3 amp. filament windings.



Kenyon Transmitter Filter and Plate Chokes

Cat. No.	Induct. Hensries	D.C. W.A.	Res. Ohms	Test Volts	Dimensions			Your Cost
					Overall Length"	Height"	Width"	
6968	10	150	3.50	2000	2 3/4	4 1/4	5 1/4	\$4.41
6969	20	200	2.50	3000	4	4 1/4	5 3/4	\$5.95
6970	30	250	1.50	3000	4 1/2	4 1/4	5 3/4	\$7.06

Universal Set Tester Filament Transformer

With the use of suitable switching arrangements, you can obtain the following voltages: 1 1/2, 2 1/2, 4, 5, 6 1/2, 7 1/2 and 10 volts A.C. The 2 1/2 volt winding is center tapped, and the 7 1/2 volt winding is tapped at 1 1/2 volts. For 110 volts, 50-cycles A.C. 4 1/4 in. tall, 2 1/2 in. wide, 3 in. deep.



Cat. No. 6971..... **\$1.95**

Grebe AH-1 800 Volt A. C. Transformer

Equipped with Individual 245 (or 247) Push-Pull Filament Windings



Unusually heavy duty dimensions: 6 1/4 in. tall, 4 in. long, 3 in. deep. Universal mounting bracket feature construction. Primary, tapped at 110 and 120 volts; high voltage: 400 x 400 center tapped; 2 1/2 volts, 12.25 amps.; 2 1/2 volts, 1 1/2 amps.; 2 1/2 volts, 1 1/2 amps. ELECTROSTATICALLY SHIELDED.

Cat. No. 6972..... **\$3.95**

NOTE

If this Transformer is purchased with a GREBE 30 Henry 150 Mil. CHOKE and a GREBE INPUT PUSH-PULL TRANSFORMER, at one time, the total net cost FOR THE THREE UNITS WILL BE **\$5.00**



50 Watt 845 Class "A" Push-Pull A.C. Power Transformer

PRIMARY: 113 volts, A. C., 60 Cycles. Secondaries: 1200-1200 Volts, center tapped—180 mils. D. C. 10 volts, 3.5 amps., center tapped, for 1-845, 10 volts, 3.5 amps., center tapped, for 1-845. 2.5 volts, 10.0 amps., center tapped, for 2-865, 2.5 volts, 14.0 amps., center tapped, for 14 new type tubes. Electro-Statically shielded. DIMENSIONS: 7 1/2 x 5 3/4 x 5 3/4 in. Heavy gauge metal case—bakelite nominal board—solder lug terminals. Actual weight: 19 lbs!

Cat. No. 6973..... **\$19.50**

Bronze Banquet Stand

Handsome deep maroon stately bronze finish. So constructed, it cannot be easily tipped over. Felt lined feet rests. Extends from 20 in. to 27 in. Furnished with microphone springs.



Cat. No. 6974... **\$9.60**

Single and Dual Bronze Microphone Broadcast Studio Stands

Handsome, deep maroon stately bronze finish. Sturdy design prevents this stand from being easily tipped over. Base diameter 10 in. Stand can be extended from a height 3 ft. 10 in. to 6 ft. 5 in. tall. The single stand actually weighs 20 lbs! Furnished with microphone springs.

Cat. No. 6975. **\$12.00**

Single Stand..... **\$12.00**
Cat. No. 6976. DUAL STAND (Illustrated). Each ring can be rotated around and locked at will. Each ring is 24 in. apart. **\$18.00**
Springs furnished..... **\$18.00**

"Notorch" Solderless Wire Splicer

Very ingenious. Insert both ends of bared wires to be spliced into clamping jaws, made of rust-proof, phosphor bronze. Then tighten up both 3/8 in. diameter, slot head brass screws—takes a second to do, and the connection is made to stay! Only 1 in. long. **10c**
Cat. No. 2066. Each **10c**
In Lots of 50, **\$3.50**



Bare Wire "Splicer-Connector"

Excellent for "splicing" any two bare wires together, such as aerial and lead-in, etc. Place both ends into the tubular sleeves and crimp together with a common plier.

Cat. No. 5372..... **5c**
In Lots of 12, **48c**

Lock Washer Solder Lug

Extremely useful. Tinned surface assures rapid soldering. Ideal for auto radios, etc.



Cat. No. 6977. Per Gross .. **75c**

G-E Tip Jack

Powerful Grip. Usually compact. Cat. No. 7445. **60c**
Per Dozen .. **60c**



Eveready Air Cell "A" Battery for 2-Volt 230 Series Tubes



Heretofore, the most economical battery receiver made was the so-called "dry battery" set, using dry cell "A" batteries for filament power. Curves show that a 2-volt tube receiver can be operated from an Eveready Air Cell "A" Battery for less than half what it would cost to run the same set from the most economical combination of dry cells. Numerous tests conducted with 7-tube, 2-volt receivers show that one Eveready Air Cell "A" Battery will run such a set for well over 1,000 hours, or on the basis of 2 1/2 to 3 hours daily use, A WHOLE YEAR. Capacity: 600 Ampere Hours.

Cat. No. 5191 **\$5.95**

Statuary Bronze Microphone Desk Stand

The 6 3/8 in. diameter ring, with its four point suspension, will accommodate any microphone. Felt feet on base prevents marring of furniture on which it rests. Overall height, 10 in. Base diameter, 5 1/4 in. 10 microphone springs included. Cat. No. 6978 **\$6.00**



Microphone Desk Mount and Covers

6 1/2 in. diameter. Handsomely finished. Any microphone, including largest sizes, can be mounted within its interior, onto the eight appropriate springs provided. If microphone is jarred, it will not strike the walls of the case. Cat. No. 6979. 6 1/2 in. diameter... **\$9.60**
Cat. No. 6980. 5 in. diameter **\$5.40**



Microphone Suspension Mount and Covers

Essentially the same as the above described desk stand—intended to be hung from roof of sound truck, car, or suspended from a ceiling, etc. Handsomely finished. Cat. No. 6981. 6 1/2 in. diameter. Furnished with 8 springs **\$5.95**



Jr. Hand and Table Mount Microphones

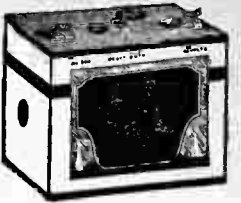


Excellent for "home broadcasting." Both models are equipped with cut-out switches, and generous length rubberized conductor. Measure 6 1/2 in. long, 3 in. diameter. Can be used with ANY Radio Receiver (or conventional phono or microphone amplifier.)

Cat. No. 6827 Hand Microphone **\$1.50**

Cat. No. 6828. Table Model Microphone, with Pedestal Stand **\$2.00**

"A", "B" and "C" Radio Dry Batteries



Fully guaranteed fresh batteries. Long life assured. Guaranteed full voltage.

Cat. No.	Voltage and Type	Size	Your Cost
6982	22 1/2 Volt B & C Portable Horizontal	4 1/8" x 2 3/8" x 2 3/4"	88c
6983	45 Volt Portable Vertical	4 1/2" x 2 3/8" x 5 1/4"	1.65
6984	45 Volt Large Vertical	8" x 3 1/2" x 7 1/8"	1.45
6985	45 Volt Heavy Duty Vertical	8" x 4 1/4" x 7 1/8"	2.25
6986	45-Volt Vertical Square Cell	8 1/4" x 4 1/2" x 7 3/8"	3.25
6987	4 1/2 Volt "C" Battery	4" x 1 1/8" x 3 3/8"	28c
6988	1 1/2 Volt "A" Dry Cell	2 3/4" x 6"	35c

6 Volt Exide Storage Batteries

Cat. No. 6989 100 Amp. Hour **\$11.25**
Cat. No. 6990 150 Amp. Hour **\$14.95**

"Coast-to-Coast" Carbon Button Hand Microphone

Incorporates a genuine carbon granule button, ingeniously supported to a supplementary stretched diaphragm. Generous size, attractively finished wooden handle and case—fully 8 in. long, 3 3/4 in. diameter. Equipped with a 6 ft. long cable. Protective screen prevents injury to microphone interior. Excellent for general announcing applications. Adapter furnished for ready connection to amplifier tube prongs. Cat. No. 6991 Complete **\$1.75**
Cat. No. 6992. Special Microphone Input Transformer... **\$1.45**

"Frontal" Tube Socket

For rack and panel installation. Ideal for use with tubes that must be upright mounted, such as 866, 250, 211, 845, etc. Made of cast aluminum—handsomely black crystalline finished. Equipped with positive contacts. Lend dignity to any installation. Cat. No. 6993. UX Base, for 250's, etc. **\$7.35**
Cat. No. 6994. 50 Watt Base, for 845's **\$8.82**

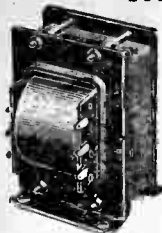


Hubbell Porcelain Flush Current Outlets

Rated 10 Amps. 250 Volts. Diameter: 1 1/2 in. by 1 1/8 in. depth. Distance between centers of mounting lug holes, 1 3/4 in. Terminal screw connection. Cat. No. 4054. Lots of 25. \$1.05 Lots of 50. \$1.95



Thordarson Giant Size 200 Mil. 1400 Volt 250 Type A.C. Power Transformer



Dimensions: 6 in. Tall, 4 3/8 in. long, 4 3/4 in. wide—sh'p'g weight 18 lbs.!

For 8 to 14—2.5 Volt Tubes, 2-250, 2-281 Tubes.

Specifications

Primary: 120 volts, tapped at 100 volts and 110 volts. Wattage rating: 375 watts. Secondary: High voltage, 700—700 (at no load). 1300 volts at 200 mils. center tapped. Fil. No. 1: 7.5 volts, 2.5 amps., center tapped. Fil. No. 2: 7.5 volts, 2.5 amps., center tapped. Fil. No. 3: 2.5 volts, 14.0 amps, center tapped. Fil. No. 4: 1.5 volts, 2.0 amps., center tapped. (This latter winding does not have to be used, but is available if ever necessary.)

Secondaries: High voltage, 700—700 (at no load). 1300 volts at 200 mils. center tapped. Fil. No. 1: 7.5 volts, 2.5 amps., center tapped. Fil. No. 2: 7.5 volts, 2.5 amps., center tapped. Fil. No. 3: 2.5 volts, 14.0 amps, center tapped. Fil. No. 4: 1.5 volts, 2.0 amps., center tapped. (This latter winding does not have to be used, but is available if ever necessary.)

Cat. No. 6232..... **\$6.95**

Triple Twin 295 Mercury Rectifier Operated A. C. Power Transformer

Capable of Delivering 150 Mils.! Furnished With a 2.5 Volt, 10 Amp. Winding for 1 or 2-295 Triple Twin Tubes! Can Furnish D.C. Field Excitation Current to a Dynamic Speaker!



Specifications:

Primary: 115 volts, A.C. 50-60 cycles. Wattage: 140. Secondaries: High voltage: 350-350, 150 mils. D.C., center tapped. Fil. No. 1: 2.5 volts, 10 amps., for 1 or 2-295, center tapped. Fil. No. 2: 2.5 volts, 12.25 amps., for 7 to 12 tubes, center tapped. Fil. No. 3: 5.0 volts, 3.0 amps., center tapped, for either a 5 volt, 83 type Mercury Rectifier, or by using one-half of the winding, you can employ an 82 type Mercury Rectifier. Dimensions: M't'g. holes: 3 3/8 in. x 2 3/8 in. Height: 4 3/8 in.

Cat. No. 6233..... **\$5.95**

Thordarson Shielded Heavy Duty 200 Watt 150 Mil. 250 Power Transformer



Operates 5 to 8, 2 1/2 Volt Tubes, 2 - 250 (or 210) and 2 - 281.

Specifications:

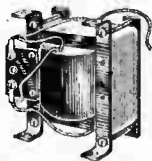
Primary: 130 volts, A. C. 60 cycles, tapped at 105, and 115 volts. Wattage Rating: 200 watts. Secondaries: High

voltage: 550-550, at 150 mils., center tapped. Fil. No. 1: 7.5 volts, 2.5 amps., center tapped. Fil. No. 2: 7.5 volts, 2.5 amps., center tapped. Fil. No. 3: 2.5 volts, 8.75 amps., center tapped. Dimensions: 4 in. x 4 1/4 in. x 5 1/4 in. Sh'p'g. Weight, 15 lbs. Tested at 2500 volts. Note the valuable and convenient sub-panel mounting feature, with protruding solder lug terminals.

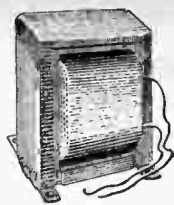
Cat. No. 6234..... **\$4.90**

Combination 125 Mil. 20 Henry Tuned Choke and Hum-Bucking Voice Coil Winding

The voice coil hum bucking winding system is employed on some of the finest made commercial receivers, and generally a separate piece of apparatus might be used for the purpose, entailing additional expense, hence the excellent value herein offered is immediately apparent. The voice coil hum bucking winding is inserted in series with the dynamic speaker voice coil, and output transformer, and you replace your present filter choke with this one. There will be no drop in volume as the hum bucking winding has no resistance—can be adapted to any dynamic speaker. The choke coil resistance is 400 ohms. Note convenient mounting brackets. A suitable hum frequency resonance condenser is self-contained and is shunted across the choke winding. Two instruments in one—and yet compactly constructed: 2 1/2 inches long, 2 1/2 inches wide, 4 inches high overall!



Cat. No. 3159..... **\$1.75**



Kolster 30 Henry 100 Mils. Filter Choke

500 ohms resistance! 2 1/2 in. long, 2 in. wide, 3 1/2 in. tall. A Big Buy!

Cat. No. 4268..... **95c**

Kolster Dual Choke Assembly

One choke measures 800 ohms, 30 henries, 100 mils.—and the other measures 1400 ohms, 30 henries, 60 mils. If connected in parallel, you will obtain 500 ohms, 160 mils! Contains unusually wide stacked lamination—measuring fully 1 in. thick! Overall dimensions: 5 3/4 in. tall, 3 in. long, 1 3/4 in. wide. Mounting holes provided along all four sides of the sturdy bracket assembly.



Cat. No. 6235..... **\$1.95**

RCA-Victor Filter Choke

Rating: 200 Ohms - 30 Henries, 125 Mils.



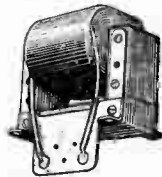
Formerly used in Victor R-32, 52, RE-45, 75 Receivers. Note convenient sub-panel mount crimping lugs—these can be bent out at 90 degrees to form conventional mounting feet, requiring only a suitable size hole to be drilled through same. Overall size 3 1/2" x 3 1/4" x 2 3/8".

Cat. No. 6236..... **75c**

Grebe Choke

Rating: 700 Ohms, 150 Mils., 30 Henries

Ideal for either sub-panel or "bread board" fashion mounting. Unusually large coil—fully 2 in. long, by 2 1/2 in. wide. Overall dimensions: 3 3/8 in. long, 2 3/8 in. wide, 3 in. tall. Choice of solder lug or flexible lead terminals.



Cat. No. 5453..... **95c**

King Giant Choke

Rating: 750 Ohms, 150 Mils, 30 Henries

Ideal for sub-panel mounting—note protruding solder lug terminals. Enclosed in a nicely finished steel case, measuring 3 1/2 in. wide, 2 1/4 in. deep, 5 3/8 in. tall.



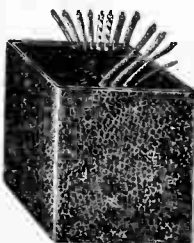
Cat. No. 5452..... **85c**

A. C. Replacement Transformer for Atwater Kent A.C. Sets

Nos. 36-37-38-40-42-43-44-45-46-47-52-53

Ideal for use in any make 171 A. C. set! For 5-226, 2-227, 1 or 2-171A, 1-280.

Enclosed in a heavy metal case. The same color scheme of wiring leads is furnished, namely: Green-Yellow Tracer (Nos. 3 and 4) for 171A tubes; Black (Nos. 9 and 10) for 4 or 5-226; Yellow-Black Tracer (Nos. 5 and 6) for 227 Detector; Black (Nos. 7 and 8) High Plate Voltage; Red-Black (Nos. 1 and 2) for 280 filament. Primary leads are Nos. 11 and 12. Center tap for High A.C. is brought out with a wire lead—not shown in picture. Many set builders and repairmen prefer to use this identical transformer for universal application, due to its unusual compactness and pronounced efficiency.



Cat. No. 856..... **\$2.25**
Cat. No. 858, For A-K 55, 55C, 60, 70 **\$4.95**

General Electric 250 Power Pack Choke

Rating: 200 Ohms, 150 Mil., 30 Henries



We doubt if there is a better filter choke available; ideal for all and any power packs, using 171, 245, Pentode, 295 and 250 tubes. It is excellently adapted for use as the

first filter choke, to be followed by a high resistance (approximately 2500 ohms) dynamic Speaker field. This choke has an unusually low D. C. resistance of only 200 ohms, causing a low voltage drop across it, thereby permitting a high and well filtered plate voltage to be fed directly to the plates of the 250 tube. This voltage is obtained right after the first choke (this one!) and before the second choke (or dynamic speaker field). 3 inches long, 2 1/2 inches high, 2 1/2 inches wide. Note that you can employ two of these chokes together for "Class B" amplifier application.

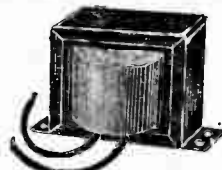
Cat. No. 2135..... **\$1.00**

Thordarson Power Pack and Amplifier Filter Chokes

Enclosed in handsome black japanned metal fully shielded case, with the popular and valuable sub-panel mounting feature. Note the protruding lugs that provides this convenience. Overall dimensions: 3 1/2 in. tall, 2 1/2 in. long, 2 3/8 in. wide.



Cat. No. 5450. 400 ohms, 130 mils., 20 henry..... **59c**
Cat. No. 5451. 1000 ohms, 65 mils., 30 henry..... **65c**



2,500 Ohm Filter Choke
Insert this choke in place of 2500 ohm D. C. field, enabling use of any A. C. dynamic speaker.

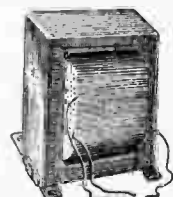
Most present day A. C. receivers use a D. C. dynamic speaker field coil, as one of the filter chokes. If you wish to use an A. C. dynamic speaker, having one on hand, simply insert this choke into the circuit where the field coil of the D. C. dynamic was connected, thereby equipping the power pack with the necessary two filter chokes! 30 henry. 3 3/8 in. long, 2 in. wide, 2 3/8 in. high.

Cat. No. 1499..... **\$1.25**

Kolster K-42 Hum-Bucking Filter Choke

30 Henries—100 Mils.

Total resistance, 7800 ohms, 6100 turns, tapped at 34 ohms (200 turns). Far more efficient than a conventional choke, due to its "hum-bucking" feature; 2 3/8 in. long, 1 3/4 in. wide, 3 in. tall.



Cat. No. 4269..... **95c**

R C A 104 Dynamic Speaker 210-250 A.C. Transformer

Ideal for Full Wave Rectification—Delivers 1,100 Volts!



Originally designed for use with a UV 876 ballast tube in the primary circuit, it can be readily used by substituting a 30 ohm (75 watt) resistor, should you desire to use this excellent transformer in the construction of a public address amplifier, transmitter, etc. It is monstrous in size—the laminations alone are 3 1/2 inches thick, the coil measuring 6 1/2 inches long. The base measures 6 inches long, 4 inches wide, 4 1/2 inches high. Contains: a 2 1/2 ampere, 7.5 volt A.C. center tapped secondary for 2-281's; 1100-volt A.C., center tapped, high voltage secondary; a 1.25 ampere, 7 1/2 volt A.C. secondary for 1 or 2-210 or 250. The high voltage winding resistance is 250 ohms, and will deliver approximately 200 mils. D.C. For 110 volt, 50-60 cycle A.C.

Cat. No. 3156..... **\$2.95**
Cat. No. 3157..... **60c**
30 ohm (75 watt) Resistance

Aerovox "Hi-Farad" 500 Volt D. C. Dry Electrolytic Condensers



The dry characteristics of these units makes it possible to mount them in any position, upright, inverted, horizontal or any other desired angle without any danger of spilling or leakage. Units are made for universal mounting.

Can be handled and mounted in the same manner as wax paper condensers. Low in initial leakage, stable in operation, unaffected by moisture, operate at low temperatures and high in filtering efficiency. Their self-healing and surge-proof characteristics prevent damage to the condenser from high

voltage surges and increase the life of the condenser indefinitely. Much more compact and lower in cost than wax paper condensers.

Upright Mounting

PRICES INCLUDE UNITS COMPLETE WITH MOUNTING RINGS

Cat. No.	Cap'y of Sections	Total Cap'y.	Peak DC Volts	Work'g. Volts	Size In. Di.—Hi.	Your Cost
6594	4	4	500	450	1 3/8 x 2 3/4	\$.84
6595	8	8	500	450	1 3/8 x 4 1/2	1.02
6596	8-8	16	500	450	2 1/2 x 4 1/2	1.95
6597	8-8-8	24	500	450	3 x 4 1/2	2.70
6598	8-8-8-8	32	500	450	3 x 4 1/2	3.60
6599	2-4-8	14	500	450	3 x 4 1/2	2.40
6600	2-8-8	18	500	450	3 x 4 1/2	2.85
6601	2-8-16	26	500	450	3 x 4 1/2	3.00
6602	20	20	500	450	2 1/2 x 4 1/2	2.10
6603	30	30	500	450	3 x 4 1/2	3.00
6604	10	10	200	180	1 3/8 x 2 3/4	.93
6605	25	25	25	20	1 3/8 x 2 3/4	.63
6606	1500	1500	12	10	1 1/2 x 4 1/2 x 5 1/2	2.10
6607	2000	2000	12	10	1 1/2 x 4 1/2 x 5 1/2	2.40

Inverted Insulated Mounting

Cat. No.	Cap'y of Sections	Total Cap'y.	Peak DC Volts	Work'g. Volts	Size In. Di.—Hi.	Your Cost
6608	4	4	500	450	1 3/8 x 2 3/4	.84
6609	6	6	500	450	1 3/8 x 4 1/2	.96
6610	8	8	500	450	1 3/8 x 4 1/2	1.02
6611	10	10	500	450	1 3/8 x 4 1/2	1.26

Aerovox Uncased Replacement Condensers



Non-inductively wound using a high grade special dielectric paper. Thoroughly impregnated to protect them against heat and provided with insulated wire leads for connections. Carefully dipped in a special wax compound which forms an extra heavy coating to prevent them from absorbing moisture and accidental damage in handling. Securely wrapped in moisture-proof cellophane. The insulation resistance and safety factor is in excess of both R.M.A. and N.E.

M.A. standard requirements. They are particularly suited for use as replacements for punctured sections in existing filter blocks of power supply units. Height, 3 inches, except the 2 mfd. 600 Volt unit, which is 4 3/8 in.

Cat. No.	Mfd.	Cap.	Volt-age	Size	Your Cost
6612	.5	400	1 1/2 x 7/8	.82	
6613	.5	600	1 1/8 x 7/8	.33	
6614	1.0	200	1 1/8 x 7/8	.22	
6615	1.0	400	1 1/8 x 7/8	.36	
6616	1.0	600	2 7/8 x 1 1/2	.55	
6617	2.0	200	1 1/8 x 7/8	.40	
6618	2.0	400	2 7/8 x 1 1/2	.64	
6619	2.0	600	2 7/8 x 1 1/2	.82	

"Pig-Tail" Mica Moulded By-Pass Condensers



Bakelite moulded. Equipped with bare copper solder lead terminals. Only 3/4 in. square.

Cat. No.	Capacity In. Mfd.	Your Cost
6620	.00005	20c
6621	.000075	
6622	.0001	
6623	.00015	
6624	.0002	
6625	.00025	25c
6626	.00037	
6627	.0005	35c
6628	.001	
6629	.0015	
6630	.002	

Aerovox Interference Filters



Cat. No. 6631

Designed to meet the requirements of most installations for the elimination of radio interference. They may be installed between apparatus which causes interference and the line, to prevent interference from being transmitted over the line, or they may be installed between the line and a radio receiver to prevent interference in the line from affecting the operation of the receiver. Are pure capacity filters—there is no danger of burnouts, no matter how much current is drawn by the devices with which they are connected.



Cat. No. 6632

Cat. No. 6631 Jr. Model	\$1.35
Cat. No. 6632 Sr. Model	\$2.94

Aerovox "Hi-Farad" 500 Volt D.C. Peak Dry Electrolytic Condensers

Sturdily constructed, the terminals being securely riveted to re-enforced tabs which connect directly to the anode and cathode foils. The lugs are tin-dipped to permit ready soldering to the terminals. Can be mounted close to each other without danger of any electrostatic coupling between the units. Especially suited for service work in repairing broken down sections of condenser blocks. Far more compact, lighter in weight and economical than wax paper condensers.



Cat No.	Cap. of Sections	Total Cap. Mfds.	Dimensions			Your Cost
			Length	Width	Depth	
6633	1	1	2 1/2"	1 3/8"	5/8"	\$.48
6634	2	2	2 1/2"	1 3/8"	5/8"	.56
6635	4	4	4 1/4"	1 3/8"	5/8"	.64
6636	5	5	4 1/4"	1 3/8"	5/8"	.70
6637	6	6	4 1/4"	1 3/8"	5/8"	.76
6638	8	8	4 1/4"	1 3/8"	5/8"	.85
6639	2-2	4	2 1/2"	1 3/8"	1 1/2"	.86
6640	2-4	6	4 1/4"	1 3/8"	1 1/2"	.97
6641	2-6	8	4 1/4"	1 3/8"	1 1/2"	1.06
6642	2-8	10	4 1/4"	1 3/8"	1 1/2"	1.15
6643	4-4	8	4 1/4"	1 3/8"	1 1/2"	1.06
6644	4-6	10	4 1/4"	1 3/8"	1 1/2"	1.15
6645	4-8	12	4 1/4"	1 3/8"	1 1/2"	1.24
6646	6-6	12	4 1/4"	1 3/8"	1 1/2"	1.24
6647	6-8	14	4 1/4"	1 3/8"	1 1/2"	1.33
6648	8-8	16	4 1/4"	1 3/8"	1 1/2"	1.43

Aerovox Metal Case Condensers



Hermetically sealed in stamped metal cases with terminals brought out through insulating strips centering in large holes in the sides. Equipped with mounting feet. 1 1/8 in. long, 1 1/8 in. wide, 1/2 in. tall.

Cat. No.	Cap'y Mfd.	Work'g Voltage	Your Cost Each
6649	.05	200	\$.25
6650	.1	200	.25
6651	.25	200	.29
6652	.5	200	.35
6653	.05	300	.28
6654	.1	300	.28
6655	.25	300	.36
6656	.05	400	.30
6657	.1	400	.30
6658	.25	400	.39
6659	.1-1	200	\$.39
6660	.25-.25	200	.48
6661	.1-1-1	200	.54
6662	.1-1	300	.42
6663	.1-1	400	.45

.5 and 1.0 Mfd. Aerovox Metal Cased Condensers

Size 2 1/8 in. long, 1 1/8 in. wide, 1/8 in. high.



Cat. No.	Cap'y Mfd.	Work'g Voltage	Your Cost Each
6664	1.	200	\$.51
6665	.5	300	.48
6666	1.	300	.72
6667	.5	400	.51

Cat. No.	Cap'y Mfd.	Work'g Voltage	Your Cost Each
6668	.5-.5	200	.63
6669	.25-.25	300	.60
6670	.5-.5	300	.81
6671	.1-1-1	400	.72
6672	.25-.25	400	.66

Aerovox High Voltage Transmitting Dry Electrolytic Condensers

For use in broadcast transmitters, amateur transmitters, high voltage amplifiers and other purposes where high voltage filter condensers are required. Generously proportioned. Will withstand the voltages indicated in the table for long periods of time without deterioration. Equipped with glazed porcelain terminals.



Cat. No.	Cap. Mfds.	D. C. Work. Volt	Your Cost
6673	1	1000	\$2.08
6674	2	1000	2.51
6675	4	1000	2.94
6676	1	1500	3.24
6677	2	1500	3.78
6678	4	1500	7.06
6679	1	2000	4.27
6680	2	2000	5.15
6681	4	2000	9.40
6682	1	2500	5.58
6683	2	2500	10.15
6684	4	2500	19.70
6685	1	3000	6.76
6686	2	3000	12.64
6687	4	3000	24.40
6688	1	3500	8.09
6689	2	3500	15.30
6690	4	3500	29.98

Paper Type

Non-inductively wound. They are thoroughly impregnated with high grade impregnating oil.

Cat. No.	Cap. Mfds.	D.C. Work. Volt.	Your Cost
6691	1	1000	\$2.21
6692	2	1000	3.81
6693	1	1500	3.66
6694	2	1500	6.33
6695	1	2000	6.18
6696	2	2000	11.48
6697	1	2500	7.35
6698	1	3000	9.40
6699	2	3500	10.88

Aerovox Cartridge Cond.

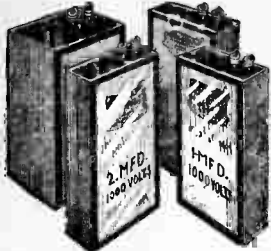
Thoroughly impregnated and hermetically sealed in specially treated insulated tubes with a compound which will withstand high temperatures and humidity. The ends of the bare wire leads in these condensers are helically wound and soldered to the ends of each section insuring dependable contact both mechanically and electrically.

Cat. No.	Mfd.	Your Cost
6700	.006	\$1.12
6701	.01	.12
6702	.015	.12
6703	.02	.12
6704	.03	.12
6705	.05	.14
6706	.1	.16
6707	.25	.21
6708	.5	.33
6709	.1-1	.30
6710	.006	\$.14
6711	.01	.14
6712	.015	.14
6713	.02	.14
6714	.03	.14
6715	.05	.16
6716	.1	.19
6717	.25	.30
6718	.1-1	.43
6719	.006	\$.16
6720	.01	.16
6721	.015	.16
6722	.02	.16
6723	.03	.16
6724	.05	.18
6725	.1	.24



Free for the asking . . . merely drop us a postal!

"Coast-to-Coast" Super-Laboratory High Voltage Condensers

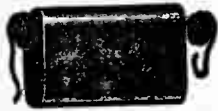


Guaranteed One Year Free Replacement!

Combines both presentable appearance and all-around excellence, both electrically and mechanically! Impervious to moisture and atmospheric conditions. Multi-tissue, metal-free dielectric insures against possibility of breakdown under sudden excessive voltage surges and absolute freedom from possible leakage. Costs slightly more—but undeniably worth the few additional pennies! For all types of public address systems, power amplifiers; A. C. set power packs, etc.

600 VOLT		Our		Cat.	
Cat. No.	Mfd. Price	No.	Mfd.	Price	
1650	1 39c	1652	4	\$1.25	
1651	2 65c				
1000 VOLT		Our		Cat.	
The 2 Mfd. unit measures 2 3/4 in. long, 1 1/2 in. wide, 5/8 in. high.					
Cat. No.	Mfd. Price	No.	Mfd.	Price	
1653	1 90c	1655	4	\$3.10	
1654	2 \$1.55				

Polymet "Hang-Up" Filter Condenser Cartridges



Far superior to the many "cheap" sections which have flooded the market—and injured servicemen's reputations. Made exactly to R. M. A. and N. E. M. A. standards. The insulation is plainly stated. Both the foil and condenser tissue are of the highest quality obtainable. They are vacuum impregnated. The voltages given are continuous D. C. working voltages. Real freedom from trouble is your just expectation if you exclusively use POLYMET CONDENSER SECTIONS.

UNCASED SECTIONS					
400 VOLTS D. C.					
Cat. No.	Cap. Mfd.	Size	Price		
5365	.25	1 3/4" x 1 1/8" x 7/8"	.20		
5366	.5	1 5/8" x 1 1/8" x 5/8"	.27		
5367	1.	2 5/8" x 2 1/4" x 5/8"	.42		
5368	2.	4" x 1 5/8" x 7/8"	.83		
5369	2.	2 3/8" x 2" x 1 1/8"	.83		
5360	4.	2 3/8" x 2" x 2 1/4"	1.50		
600 VOLTS D. C.					
5361	.5	2 5/8" x 1" x 3/8"	.37		
5362	1.	4" x 2" x 7/8"	.63		
5363	1.	2 5/8" x 3" x 5/8"	.63		
5364	2.	4" x 2 3/4" x 1 1/8"	1.15		
5365	2.	2 3/8" x 3 3/8" x 1 1/8"	1.15		
5366	4.	2 5/8" x 3 3/8" x 1 3/4"	2.20		

Peerless 600 Volt - 7 Mfd. Condenser Blocks
Ideal for Use in All Peerless Chasses, or Any 245 or 247 Power Pack!



Arrangement of terminals: Black—Common for Green; 1 mfd.; Green: 1 mfd.; Brown: 1 mfd.; Yellow: .5 mfd.; Orange: .5 mfd.; White—Common for Red; 2 mfd. (600 volts). Blue: 1 mfd. (400 volts). 5 1/2 in. x 2 1/4 in. x 2 1/4 in. Cat. No. 266. **75c**

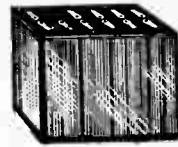
Replacement Condenser Blocks for Majestic A-C Receivers and "B" Eliminators



For A.C. Packs

For A.C. Receiver or "B" Eliminator as Listed Below

Cat. No.	Description	Your Cost
3996	"Standard" B Power Supply	\$2.75
3998	"Super" B Power Supply	\$2.75
4000	"Master" B Power Supply	2.75
4652	"Special Master" B Supply	2.75
4654	60, 70, 80	2.75
4660	7P6, 7P3 (Old Power Pack)	2.75
4666	7P6, 7P3 (New Power Pack)	2.75



For "B" Eliminators

For A.C. Receiver or "B" Eliminator as Listed Below

No. Cat.	Description	Cost Your
4672	70B, 72	2.75
4674	71B6	2.75
4680	7BP3	2.75
4686	180, 181	4.90
4692	8P6, 8P3	5.95
4698	90, 100	5.60
4700	91, 92, 93	5.75
4702	9P3	5.95
4704	9P6	2.75
4706	90B, 100B	2.75
4708	130A, 230A	6.10
4710	130, 131, 132, 233	4.40
4712	20 Chassis, 21, 22, 23	3.95
4714	50 Series 51, 52, 53	3.95

Dry Electrolytic Condenser

Replacement for Majestic "A" Eliminators



Also Ideal for Any Other Make

Cat. No. 285.	\$2.95
For 8,000 Mfd. Types....	\$4.95
Cat. No. 133.	
For 12,000 Mfd. Types..	

Electrolytic "A" Condenser



Ideal for replacement in all Tobe "A" eliminators and all other makes. Tobe "A" eliminators use three of these units—some other make only two. Max. voltage 12 D. C. Polarity plainly marked. 4 1/2 in. long, 1 1/2 in. thick, 5 in. high.

Cat. No. 354	\$1.45
2000 Mfd.....	3 for \$3.95

Elkon 3000 Mfd. Dry Electrolytic Condenser

Ideal for All "A" Eliminators and A. C. Dynamic Speakers — As Hum Eliminators!



6 3/8 in. tall, 2 in. wide, 2 in. deep. Cat. No. 5193. Type "E"..... **95c**

R.C.A. and Stromberg-Carlson 20 Mfd. Filter Cond. Block



Massive in size: 3 3/8 in. long, 2 3/4 in. wide, 5/8 in. tall. 250 volts D. C. rating. By all means, have a few on hand! Cat. No. 5475. **\$1.15**

Sparton 3.25 Mfd. 600 Volt Condenser

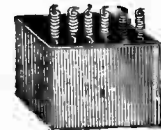
Equipped with One 3 Mfd., and One 1/4 Mfd. Sections



The .25 mfd. section has its own common, whereas the metal case is the common terminal of the 3 mfd. section. An over-size condenser! 5 1/2 in. tall, 3 1/2 in. long, 1 1/2 in. wide. Sub panel mounting screws are an integral part of the base.

Cat. No. 6056	49c
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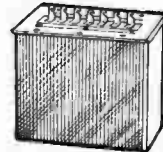
Polymet 4 1/2 Mfd. Condenser Block



Tapped: 2 at .25 mfd.; 2 at 1 mfd.; 1 at 2 mfd. 400 volt rating. Cat. No. 273. **49c**

Universal Replacement Condenser Blocks

Excellent for Use in King, Sears Roebuck, Etc., Receivers



Primarily intended for subpanel mount, these two blocks can be mounted to suit your requirements. Measures 5 in. long, 2 1/2 in. wide, 4 1/2 in. tall. All terminals are marked numerically in micro-farad rating. Attractively aluminum finished. Cat. No. 6054. Total 8 mfd., tapped as follows: 1-1-1-2-2 mfd. **\$1.25**

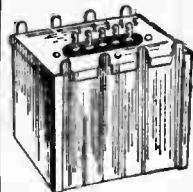
Cat. No. 6055. Total 13 mfd., tapped as follows: 1-1-2-3-3 mfd. **\$1.95**

Clarostat Line Ballasts



Assures perfect control of varying line voltage—covers a range from 95 to 135 volts. Mention name and model of set or amplifier to be used with this ballast. Cat. No. 6480. **\$1.40**

Victor 600 Volt-10 3/4 Mfd. Condenser Block



Ideal for Any Make Pentode or 245 Set!

Arrangement of terminals: No. 1, 5 mfd.; No. 2, 3 mfd.; No. 3, 2.5 mfd.; No. 4, 5 mfd.; No. 5, 5 mfd. Total 10 3/4 mfd. 600 working voltage D. C. conservatively rated. Size: 5 1/2 in. long, 5 in. high, and 4 in. wide. Housed in a durable metal can. Cat. No. 271. **95c**

4 Terminal Improved Victor Cond. Block

Introduced by Victor, as a far superior substitute for the original design block, as above illustrated and described. Many servicemen have decided to concentrate on the use of this block, for obvious reasons. Serves as a replacement in the same sets as the above type was designed for. Cat. No. 7164. **\$3.95**

Brunswick-Bremer Tully 600 Volt Condenser Blocks



Ideal for General Replacement Requirements in 245-247 Receivers!

Dimensions: 3 1/2 in. long, 1 1/4 in. wide, 5 in. high.

Cat. No. 3452. Contains following capacities: 1., 1., Common; .5, Common; .25, 1., 1., Common; .5, .25, Common. (Note the separate groups—if desired, these separate "commons" may be wired together, giving a grand total of 5.5 mfd.) **75c**

Cat. No. 3453. Contains following capacities: 1., 1., .25, Common; 1., Common; 1., Common; 1., Common; 1., Common. A total of 6.25 mon; 1., Common. **\$1.00**

Apex-U. S. Radio and Television Filter

600 Volt—"245 or 247"—Rating!

One of the most compact bloc's on the market. Primarily designed for sub-panel assemblies, but can be mounted to suit any mechanical requirement. 2 7/8 in. long, 1 3/4 in. wide, 4 7/8 in. high.

Cat. No. 3460. Contains 4—1. mfd. x 1—3 mfd. Case is common. 5 highly insulated leads. **\$1.50**

Total: 7 mfd. Cat. No. 3461. Contains 2—1. mfd.; 1—2 mfd.; 1—1.5 mfd.; 1—1 mfd. 5 highly insulated leads. Case is Common. **\$1.50**

Total: 5.6 mfd. **25 Cycle Model**

Cat. No. 3462. Ideal for all 245-247 sets in 25 cycle districts! Contains 1—2. mfd.; 2—1. mfd.; 1—1.5 mfd.; 1—1 mfd.; Case is Common. 5 highly insulated leads. Total: 5.6 mfd. **\$2.95**

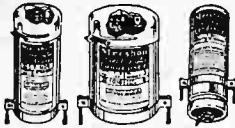
Kolster Wire Wound Resistors

Choice of 700, 1200, 1400, 1900, 2200 and 2300 ohms. Cat. No. 6485



10c Per Dozen, \$1.00

Mershon Electrolytic Condensers



Rated 450 volts D.C. Self-healing! Absorption of voltage surges fully protect power pack components. Furnished with mounting collars and screws—inverted types do not require this.

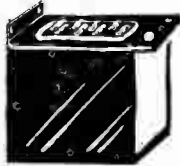
INVERTED TYPES			
Cat. No.	Anodes	Capacity	Your Cost
6837	1	1 mfd.	\$.38
6838	1	6 "	.63
6839	1	18 "	.68
6840	1	18 "	.73
6841	1	18 "	.85

UPRIGHT TYPES			
Cat. No.	Type	Anodes	Capacity
6842	Single	18	18 Mfd. \$.35
6843	Double	8	18 Mfd. 1.10
6844	Double	20	2 (1-15, 1-5) 20 Mfd. 2.95
6845	Double	26	2 (1-18, 1-8) 26 Mfd. 2.20
6846	Double	18	2 (2-18) 36 Mfd. 2.95
6847	Triple	5	3 (3-5) 15 Mfd. 1.35
6848	Triple	8	3 (3-8) 24 Mfd. 1.65
6849	Triple	38	3 (2-9, 1-18) 36 Mfd. 2.95
6850	Quad.	52	4 (2-13, 2-8) 52 Mfd. 4.50
6851	Quad.	32	4 (8-8-8-8) 32 Mfd. 3.50

Philco Original Filter Condenser Replacements

For Model 65
Philco No. 3515.
Cat. No. 6870

\$2.95



For Model 82
Philco No. 3279
Cat. No. 6871

\$2.95

For Model 86
Philco No. 3246
Cat. No. 6872

\$2.95

For Model 87
Philco No. 3401
Cat. No. 6873

\$2.95

General Electric 3 Mfd. Capacitor

Rated at 110 Volts A. C.



Furnished with heavy gauge, stranded wire, with fabric and rubber covered insulation. 5 in. long, 2 3/4 in. wide, 1/2 in. thick. Note convenient mounting feet. Ideal for A. C. line filters, or, of course, for general by-pass duties.

Cat. No. 3459..... **45c**
Per Doz. \$4.95

General Electric 3 Mfd. 600 Volt Condenser

Encased in a durable steel container, with mounting lugs. Generously proportioned! 4 1/2 in. long, 4 in. wide, 1 3/4 in. thick. Equipped with 8 in. long, heavily insulated flexible leads.



Cat. No. 6874..... **85c**

Micamold Four Section By-Pass Condenser



Contains 4 sections; case is common. Equipped with solder lugs and mounting feet. 2 in. long, 1 1/2 in. wide, 3/4 in. tall.

Cat. No. 6875..... **45c**
Per Dozen, \$4.95

Flechtheim 1000 Volt D.C. "Superior" Condensers



Safe to use in type '50 amplifier power packs. Dependable for continuous service. Small physical size. Special process "oil" impregnated. Non-Inductive windings. Flash breakdown over 3000 volts D. C. Metal containers beautifully finished. Equipped with fork-type terminals.

Cat. No.	Capacity	Size	Our Price
2886	.05 Mfd.	2 x 1 3/16 x 1 1/16	79c
2887	.10 Mfd.	2 x 1 3/16 x 1 1/16	82c
2888	.25 Mfd.	2 x 1 3/16 x 1 1/16	85c
2889	.50 Mfd.	2 x 1 3/16 x 1 1/16	89c
2890	1 Mfd.	2 x 1 3/16 x 1 3/16	95c
2891	2 Mfd.	4 3/8 x 2 3/8 x 1 3/4	\$1.65
2892	4 Mfd.	4 3/8 x 2 3/8 x 1 3/16	\$3.25

600 Volt D.C. Non-Inductive Filter Condensers

Cat. No.	Capacity	Size	Our Price
893	.10 Mfd.	2" x 1 1/16" x 3/16"	27c
894	.25 Mfd.	2" x 1 1/4" x 1/4"	30c
895	.50 Mfd.	2" x 1 3/8" x 1/4"	33c
896	1 Mfd.	2" x 1 3/4" x 3/8"	\$1.00
897	2 Mfd.	2" x 1 3/4" x 1 1/8"	75c
898	4 Mfd.	2" x 1 13/16" x 3 1/16"	\$1.35

Flechtheim "Superior" Transmitting Condensers



Housed in attractive metal containers—furnished with high voltage type INSULATED TERMINALS.

1000 Volts D.C., (750 Volts Rectified A.C.)

Cat. No.	Capacity	Price
6852	1 mfd.	\$2.14
6853	2 mfd.	3.51
6854	4 mfd.	6.27
1500 Volts D.C., (1000 Volts Rectified A.C.)		
6855	1 mfd.	\$2.56
6856	2 mfd.	4.32
6857	4 mfd.	7.98
2000 Volts D.C., (1600 Volts Rectified A.C.)		
6858	1 mfd.	\$5.88
6859	2 mfd.	8.82
6860	4 mfd.	14.70
3000 Volts D.C., (2200 Volts Rectified A.C.)		
6861	1 mfd.	\$11.76
6862	2 mfd.	19.11
6863	4 mfd.	35.28
5000 Volts D.C., (3300 Volts Rectified A.C.)		
6864	1 mfd.	\$17.64
6865	2 mfd.	32.81
6866	4 mfd.	58.80
7000 Volts D.C., (5000 Volts Rectified A.C.)		
6867	1 mfd.	\$50.00
6868	2 mfd.	95.00
6869	4 mfd.	175.00

Precise Single Section Straight Line Tuning Condensers



Excellent for Ganging—Have Removable Shaft Feature!

Shafts may be extended for drum dial control or due to the removable shaft feature, condensers may be placed on rear of chassis, and controlled by any length 1/4 inch brass shaft. Each condenser is equipped with an unusually effective, metric adjustable Compensator! Overall length, 3 1/2 inches, and 3 in. high, with rotor plates open.

Cat. No.	Cap. Plates	YOUR PRICE
3421	5 .000075	\$1.45
3422	7 .00013	1.45
3423	9 .00015	1.45
3424	13 .00025	1.50
3425	15 .0003	1.60
3426	17 .00035	1.65
3427	23 .0005	1.75
3428	43 .001	2.25
18 Inch Long 1/4 Inch Diameter Brass Shaft		
Cat. No. 3450		55c
Cat. No. 3451	Insulated Shaft Coupling Unit	50c

"Coast-to-Coast" Dry Electrolytic 500 Volt Peak Condensers



Cat. No.	Capacity	Size	Our Price
6884	1 mfd.	2 x 1 3/16 x 1 1/16	79c
6885	2 mfd.	2 x 1 3/16 x 1 1/16	82c
6886	4 mfd.	2 x 1 3/16 x 1 1/16	85c
6887	8 mfd.	2 x 1 3/16 x 1 1/16	89c
6888	15 mfd.	2 x 1 3/16 x 1 1/16	95c
6889	30 mfd.	2 x 1 3/16 x 1 1/16	1.65
6890	60 mfd.	2 x 1 3/16 x 1 1/16	3.25

Conservatively rated MOUNTS UPRIGHT—CONNECTED AT TOP, at 500 volts (D. C. MOUNTING SCREW AT BOTTOM Peak), these excellently designed and constructed condensers will actually function under sudden surges of 600 volts... should any harm result from such excessive voltage, the nature of the contents is such that a Self-Healing Action follows! As these condensers are non-liquid, they can be mounted in any position, and furthermore, no liquids can run or leak out. Here are a few more of its valuable features: Low cost per microfarad per volt rating; low voltage leakage; long life; extreme compactness; rivals performance of paper dielectric condensers; low power factor; unaffected by ordinary temperatures; minimum chemical action on dielectric film, etc.

Cat. No.	Capacity	Size	Our Price
6891	1 mfd.	2 x 1 3/16 x 1 1/16	79c
6892	2 mfd.	2 x 1 3/16 x 1 1/16	82c
6893	4 mfd.	2 x 1 3/16 x 1 1/16	85c
6894	8 mfd.	2 x 1 3/16 x 1 1/16	89c
6895	15 mfd.	2 x 1 3/16 x 1 1/16	95c

Cardboard Container Dry Electrolytic Filter Condensers

Cat. No.	Capacity	Peak Volts	Your Price
5902	1 Mfd.	500	30c
5903	2 Mfd.	500	35c
5904	4 Mfd.	500	40c
5905	6 Mfd.	500	50c
5906	8 Mfd.	500	60c

Tubular Dry Electrolytic Pig-Tail Condensers

Encased in Cardboard Containers and Equipped with Tinned "Pig-Tail" Leads!

Cat. No.	Total Cap. Mfd.	Max. D. C. Peak Volt	Dimen. Cont.	Your Price
5907	.5	500	1 1/2" x 3/8"	27c
5213	1	250	1 1/2" x 3/8"	26c
5214	1	400	1 3/4" x 3/8"	28c
5215	1	500	2 1/4" x 3/8"	33c
5218	2	400	2 x 1	36c
5219	2	500	2 1/2" x 3/8"	38c
5222	5	35	1 1/2" x 3/8"	25c
5223	5	75	1 3/4" x 3/8"	28c
5224	10	35	1 3/4" x 3/8"	28c
5225	10	75	1 3/4" x 3/8"	30c
5226	20	35	1 3/4" x 3/8"	44c

Compact 8 Mfd. 600 Volt Peak Electrolytic Condenser

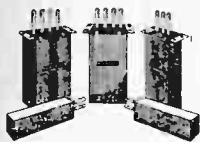


The ribs or vanes aid in the cooling of the condenser, thereby making it more efficient in operation. Its smaller size leaves more "breathing" space in the midjet chassis for other component parts. Although its size has been decreased considerably, the quality of the condenser has not been sacrificed, and the peak voltage has been increased to a higher rating. (Working voltage: 450 Volts.) 3 1/8 in. long, 1 1/4 in. diam.

75c

Supreme-Polymer and Dubilier Dry Electrolytic Condensers

500 Volt D. C. Peak!



Can be used in any temperature, or in any climate—they are not subject to any ill effects due to varying extremes of natural heat and humidity conditions. The section is "potted" in a wax that has a high melting point (it will not melt when placed near a resistor or power transformer), and it also has a very high insulation resistance so that current will not leak through the container to ground potential. In the multiple units, which are metal cased, the common connection (which goes to negative) is brought out separately.

All Models Are Enclosed in Insulated Containers

Unlike most electrolytic condensers, the outside casing is not electrically a part of the condenser itself—the valuable advantages this offers will be immediately apparent—makes them ideal for mounting on metal chassis! Inasmuch as they can be mounted in any angle, their value is further enhanced. You can actually mount the single sections in the same mechanical manner as you would a "hang-up". Every service-man should carry a fair quantity of each of the most important sizes with him—Meet Any Emergency.

Single Sections

Condensers Are Contained in Cardboard Containers

Cat. No.	Capacity (Mfds.)	Approximate Length	Approximate Width	Approximate Height	OUR PRICE
5320	2	1 3/4"	1 1/4"	1 1/4"	44c
5321	4	1 3/4"	1 1/4"	1 1/4"	49c
5322	6	1 3/4"	1 1/4"	1 1/4"	53c
5323	8	1 3/4"	1 1/4"	1 1/4"	44c

Multiple Sections

Contained in Metal Case Containers

Cat. No.	Total Mfds.	No. of Sections	Cap. Ea. Mfds.	Length	Width	Height	OUR PRICE
5324	8	2	4	1 3/4"	1 3/4"	1 1/4"	\$1.10
5325	10	2	5	1 3/4"	1 3/4"	1 1/4"	1.20
5326	12	2	6	1 3/4"	1 3/4"	1 1/4"	1.25
5327	16	2	8	1 3/4"	1 3/4"	1 1/4"	1.35
5328	12	3	4	1 3/4"	1 3/4"	1 1/4"	1.30
5329	2	3	1	2 1/4"	1 3/4"	1 1/4"	1.60
5330	14	2	7	1 3/4"	1 3/4"	1 1/4"	1.70
5331	18	3	6	1 3/4"	1 3/4"	1 1/4"	1.70
5332	24	3	8	1 3/4"	1 3/4"	1 1/4"	1.95

Polymer "Wax-Tite" Pig-Tail Condensers



Sealed within a container, guaranteed to be absolutely impervious to all the ravages of the elements. Due to a thoughtfully prepared high melting point



sealing wax, you can solder to the two tinned flexible leads, without fear of loosening the rigidly soldered contact within the compound—this is a very important feature! All capacities and voltage ratings are printed on the covering—another valuable feature, as you will carry dozens of them in stock!

Cat. No.	Capacity	OUR PRICE In Lots of 12	Cat. No.	Capacity	OUR PRICE In Lots of 12
4225	.05 Mfd.	10c	4228	.25 Mfd.	12c
4226	.075 Mfd.	10c	4229	.5 Mfd.	16c
4227	.1 Mfd.	10c	4230	1. Mfd.	20c

400 Volt D. C.

Cat. No.	Capacity	OUR PRICE In Lots of 12	Cat. No.	Capacity	OUR PRICE In Lots of 12
4231	.001 Mfd.	10c	4236	.1 Mfd.	12c
4232	.005 Mfd.	10c	4237	.15 Mfd.	13c
4233	.006 Mfd.	10c	4238	.2 Mfd.	15c
4234	.01 Mfd.	11c	4239	.25 Mfd.	18c
4235	.05 Mfd.	11c	6057	.5 Mfd.	21c
			6058	1. Mfd.	29c

600 Volt D. C.

Cat. No.	Capacity	OUR PRICE In Lots of 12	Cat. No.	Capacity	OUR PRICE In Lots of 12
4240	.01 Mfd.	14c	4244	.25 Mfd.	23c
4241	.05 Mfd.	14c	6059	.5 Mfd.	32c
4242	.1 Mfd.	15c	6060	1. Mfd.	59c
4243	.2 Mfd.	19c			

Crosley-Potter .5 Mfd. By-Pass Condenser

200 Volt Rating



One would think these were the proverbial "hot cakes"—that is how they sell! Naturally, a considerable portion of our sales on this item are for actual replacement installations in Crosley sets; however, due to its unusual compactness, these superior metal cased condensers enjoy a tremendous sale for any purposes where the best quality .5 mfd. condenser is desired. No wonder then, that they sell like "hot cakes." Distance between mounting lugs 2 3/4 in. Terminal soldering lugs are well insulated from the case. Buy them by the dozen! Why be caught unprepared—a few of these condensers in your supply bag will be "worth their weight in gold!"

Cat. No. 3500 25c
In Lots of 12, \$2.75. In Lots of 25, \$5.45.

Crosley .5 Mfd. By-Pass Condenser

400 Volt Rating for Replacement



No. W4919
Although thousands of these useful metal cased by-pass condensers are sold for replacement purposes in Crosley sets, just as many thousands more are sold for general use in all receivers! Finest quality, without a doubt! Distance between mounting lugs are riveted to a bakelite terminal strip. Buy them by the dozen—they can always use them! They will make money for you!

Cat. No. 3499 30c
In Lots of 12, \$3.25. In Lots of 25, \$6.25.

Polymer 1 Mfd., 300 Volt Filter Condenser

Cat. No. 287
35c ea., \$3.60 per doz.



400 Volt D. C. Upright By-Pass Condensers

An old favorite — too well known, thereby obviating the necessity for detailed description.



Cat. No.	Capacity	YOUR COST	Per Dozen
5473	.1 Mfd.	19c	2.10
5474	.25 Mfd.	22c	2.45
5333	.5 Mfd.	25c	2.65
5334	1.0 Mfd.	30c	3.25

Universal By-Pass and Filter Condensers



Highest grade obtainable. Hermetically sealed within attractive drawn shell aluminum cases. Equipped with convenient mounting feet and solder lug terminals.

Cat. No.	Cap.	200 Volt	400 Volt
5943	.1	18c	21c
5944	.25	22c	27c
5945	.5	28c	37c
5946	1.0	32c	45c

Dual and Triple Units

Cat. No.	Cap.	200 Volt	400 Volt
5947	.1 — .1	28c	31c
5948	.1 — .1 — .1	38c	43c
5949	.25 — .25	33c	44c
5950	.25 — .25 — .25	48c	59c
5951	.5 — .5	42c	55c

Tubular Dry Electrolytic Pig-Tail Condensers

Encased in Cardboard Containers and Equipped



with Tinned "Pig-Tail" Leads!

Mounted in wax impregnated moisture proof cardboard tubes, closed at each end with metal cap, making the finished condenser unit, hermetically sealed. These condensers are made to be self-supported between wire leads, or they can be eyeleted to chassis or bakelite supports. Each condenser has a negative and positive terminal.

Can be Used for Either Filtering, Audio Frequency Bi-Passing, or C-Bias Work.

Cat. No.	Total D.C. Cap.	Peak Volt	Dimen.	YOUR PRICE
5907	.5	500	1 1/2" x 1 1/2"	27c
5213	1	250	1 1/2" x 1 1/2"	26c
5214	1	400	1 3/4" x 1 1/2"	28c
5215	1	500	2 1/2" x 1 1/2"	33c
5218	2	400	2" x 1"	36c
5219	2	500	2 1/4" x 1 1/2"	38c
5222	5	35	1 1/2" x 1 1/2"	25c
5223	5	75	1 3/4" x 1 1/2"	28c
5224	10	35	1 3/4" x 1 1/2"	28c
5225	10	75	1 3/4" x 1 1/2"	30c
5226	20	35	1 3/4" x 1 1/2"	44c

Victor Triple By-Pass Condenser

Contains: 1—.1—.125 Mfd. Capacity
Victor Part No. 60074



Required as replacement in Victor RE 32, 45, 52, 75 Receivers. Compact enough to warrant installation in any R. F. Circuit By-Pass System, measuring over-all: 2 1/4 in. x 1 1/2 in. x 1 1/4 in. Mounting and terminal lugs are provided.

Cat. No. 3457 45c
In Lots of 12, \$4.80

Victor .1 Mfd. By-Pass Condenser



Victor Part No. 60835 1929-1930 Series

Equipped with long flexible leads, and crimping lugs. (May be bent out at right angles for any mounting requirement). Only 2 1/2 in. long, 1 1/4 in. wide, 1/2 in. high.

Cat. No. 7165 15c
In Lots of 12, \$1.60

Stromberg-Carlson Buffer Condenser

Capacity: 01.—Common—01



Contained in a compact, black japanned metal case, 2 3/4 in. long overall, 1 1/8 in. wide, 1/2 in. high. Equipped with soldering terminals, and two slotted mounting brackets.

Heavy Duty Rating!

Cat. No. 3458 35c
In Lots of 12, \$3.60

Kellogg .05 and .1 Mfd. By-Pass Condenser



Equipped with tinned flexible leads, and two mounting feet. 2 in. long, 3/8 in. wide, 3/8 in. deep.

OUR PRICE Per Dozen
Cat. No. 5282 15c \$1.50
Cat. No. 5283 25c \$2.45
.1 Mfd.

Triple Section R. F. By-Pass Unit

Contains three .1 sections, making this a very useful item to have around the workshop!



1 1/2 in. x 1 1/2 in. x 1 1/2 in.
Cat. No. 274
Net Price 30c

Tungsol Quadruple Unit R. F. By-Pass Unit



Contains four .25 mfd. 600 volt sections, making a total of 1 mfd. Equipped with long, heavily insulated flexible leads. Size: 2 in. x 1 1/4 in. x 1 1/2 in.

Cat. No. 6061 39c
Per dozen \$4.25

Aerovox Multi-By-Pass Condenser Unit

Contains: 1-.25 Mfd. with its own "common"; then, 1-.1 Mfd.; 2-.1 Mfd.; with the casing as "common."



Enclosed in a moisture proof compound filled metal can, 2 in. wide, 2 1/4 in. long, 1 1/8 in. tall. Note the unusually long heavily insulated varicoled leads, with stranded tinned leads—9 leads in all. Excellent for general By-passing requirements. For sub-chassis, or above chassis wiring.

Cat. No. 5284 49c
In Lots of 12, \$5.40

**Servicemen: "A Stitch in Time Saves Nine"—
Be Prepared with Any of Our Replacement Parts Assortments!**

**Serviceman's Assortment of
Polymet Pig-Tail
Tubular
Condensers**



Constructed physically the same as a pig-tail resistor—the tinned and flexible leads provided may be soldered direct to terminals approximately 1/2 in. long, 7/16 in. diameter. Hermetically sealed. Range from .001 to 1 mfd., and in D.C. working voltages ranging from 200 to 600 volts! All assortments are well apportioned!

- Cat. No. 2434. **\$1.55**
 Kit of 12.....
 Cat. No. 2435. **\$2.85**
 Kit of 24.....

**Polymet 400 Volt Tubular
By-Pass Condensers**

Note ingenious mounting bracket—may be bent to any position. Fibre housing, sealed hermetically perfect. 1 3/4 in. long, 5/8 in. diameter, approximate measurements.



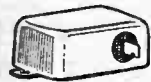
Cat. No.	Mfd.	Our Price	Cat. No.	Mfd.	Our Price
2444	.02	20c	2448	.25	29c
2445	.05	20c	2449	.5	33c
2446	.1	24c	2450	1.0	44c
2447	.2	28c			

In Lots of 24, Deduct 10%.
 In Lots of 12, Deduct 5%.

Polymet Tubular Condenser Kits

- Contains 24 Assorted Condensers, as follows:
 4—.25 mfd. 2—.05 mfd.
 4—.5 mfd. 6—.1 mfd.
 2—.01 mfd. 6—.2 mfd.
- Cat. No. 2442. **\$4.95**
 Our Price.....
 Cat. No. 2443. **\$2.75**
 Kit of 12 Condensers.....
Any assortment allowed

Dubilier .25 Mfd. 200 Volt By-Pass Condenser

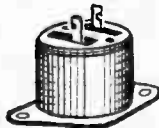


The metal case serves as one terminal connection. Equipped with convenient mounting feet. 1 3/4 in. long, 1 1/4 in. wide, 3/4 in. tall.

- Cat. No. 6104..... **17c**
 Per Dozen..... \$1.90

**G.E. Flush Current Female
Outlet Receptacle**

Rated at 250 volts, 10 amps.—15 amps., 125 volts. Only 1 in. diameter, 3/4 in. long. View shows terminal lugs protruding. Metal shell—bakelite housing.



- Cat. No. 6105..... **25c**
 Per Dozen..... \$2.70

.05 Mfd. 1000 Volt Condenser



Terminal screw mount. Equipped with two 6 in. long flexible leads. 1 1/2 in. long, 1 3/8 in. wide, 7/8 in. deep.

- Cat. No. 6113..... **30c**
 Per Dozen..... \$3.20

**Sprague .0005 700 Volt
Midget Fixed Condenser**

Equipped with two tinned solder tabs, 1/2 in. long. Size of condenser: 1 in. long, 3/4 in. wide, 1/8 in. thick.



- Cat. No. 6108..... **15c**
 Per Dozen..... \$1.64

**Polymet Mica Moulded Bakelite
By-Pass Condenser Assortment
Kits**

Mica Dielectric



Contains 36 condensers, in the following assortment:
 3—.0001 mfd.
 10—.00025 mfd.
 6—.0005 mfd.
 10—.001 mfd.
 5—.0025 mfd.
 2—.006 mfd.

- Cat. No. 2438. **\$3.95**
 Our Price.....

- Cat. No. 2439. Ass't Kit of 10 Condensers. (Very well apportioned assortment.) **\$1.30**

Fast Dual .1 Mfd. 400 Volt By-Pass Unit

Condenser contents insulated from the case—equipped with a separate common. Mounts flat—mounting feet provide this. 2 in. long, 1 1/4 in. wide, 1/2 in. thick.



- Cat. No. 6106..... **35c**
 Per Dozen..... \$3.75

.1 Mfd. 600 Volt Condenser

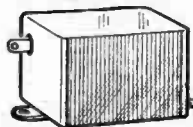


Metal case—equipped with two mounting feet. 6 in. long flexible leads. 2 in. long, 3/8 in. wide, 7/8 in. thick.

- Cat. No. 6114... **17c**
 Per Dozen..... \$1.90

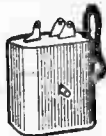
**Fast 2 Mfd. 400 Volt Metal
Cased Condenser**

One of the terminals is the metal case itself—the other being made to an insulated lug. Equipped with mounting feet. 2 in. long, 1 3/4 in. wide, 1 1/4 in. tall.



- Cat. No. 6107..... **40c**
 Per Dozen..... \$4.45

**Sprague Triple .1 Mfd. 600 Volt
By-Pass Unit**



Terminal screw mount. Flexible lead common. Capacities: .1-1-1-C. 1 1/2 in. tall, 3/8 in. wide, 7/8 in. thick. Metal case.

- Cat. No. 6115..... **39c**
 Per Dozen..... \$4.30

**Tubular 400 Volt By-Pass
Condensers**

Mountings are not electrically a part of this condenser. Equipped with flexible leads. 2 3/4 in. long, 3/4 in. diameter. Elongated slot brackets.



- Cat. No. 6116..... **15c**
 .05 Mfd..... **17c**
 Cat. No. 6117
 .1 Mfd..... **19c**
 Cat. No. 6118
 .25 Mfd.....

**R.C.A. 1 Mfd. 300 Volt By-Pass
Condenser**

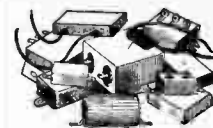
Used on Radiolas 17-18-60-64-66 and late Model "Supers."



Enclosed in a durable metal jacket equipped with convenient mounting feet. Solder terminal lugs.

- Cat. No. 6064..... **30c**
 Per Dozen..... \$2.95

**You Need This By-Pass Kit!
Asst'd By-Pass Condensers**



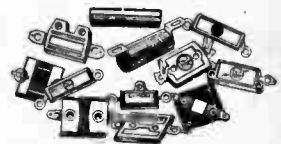
These kits contain one or several each of various sizes, and shapes, of the most vitally needed by-pass condensers, ranging from .1 to 2 mfd., with D.C. working voltages ranging from 200 to 600 volts! Great care is exercised to mix the assortments so that you will be able to select from one of these kits, possibly the very condenser you require. The manufacturers are any of the following: Polymet, Aerovox, Igrad, Fast, Tungso, Potter, Brown & Caine, Dubilier. Cat. No. 7166.

- Kit of 12 Asst'd..... **\$2.90**
 Cat. No. 5733.
 Kit of 24 Asst'd..... **\$4.95**

Asst'd By-Pass Condensers

Made by any of these manufacturers:
**Dubilier — Polymet — Aerovox —
El Menco — Micamold — Illini — Spliudorf
— Sangamo — Etc.**

Ideal for
 Servicemen and
 Experimenters



These kits are made up by mixing up thousands of the condensers illustrated (and others), ranging in size from .00005 all the way to .1, and then scooping them up—you are thereby assured a well apportioned mixture! Needless to say, you can use every Condenser in the lot. You have big money obtaining your by-pass condenser supplies by ordering them in this manner!

- Cat. No. 5734. **99c**
 Asst'd. Lot of 12.....
 Cat. No. 5735. **\$1.85**
 Asst'd. Lot of 24.....
 Cat. No. 5736. **\$3.40**
 Asst'd. Lot of 48.....

**All-Purpose Quadruple By-Pass
RCA Condenser Unit**



Contains 3 one-tenth microfarad condensers and one one-half microfarad condenser, the sizes most commonly used in AC sets. Very ruggedly constructed, sealed in wax in a metal container, absolutely moisture and damp proof.

- Cat. No. 378..... **25c**
 Per Dozen, \$2.75

**General Electric 4 Mfd. 800 Volt
Filter Condenser**

Literally, worth its weight in gold! A fortunate purchase enables us to offer this remarkable product at our unheard of low price. Housed in a durable and attractive metal case. Furnished with heavily insulated flexible leads and mounting feet. Note its unusual compactness. 5 1/4 in. long, 1 1/2 in. wide, 2 3/4 in. tall.



- Cat. No. 6063..... **\$1.25**

**Polymet Auto Interference
Eliminator Condenser**



Equipped with a pig-tail flexible and heavily insulated lead and terminal lug. The "ground" connection is made through the bracket, which can be fastened to any part of the chassis. Two condensers should be installed—one between the side of the interrupter leading to the primary and the ground—the other one should be connected to that side of the generator leading to the interrupter.

- Cat. No. 4004. .5 Mfd. (2 1/4 in. long 1 1/4 in. diameter). Our Price..... **49c**
 Cat. No. 4005. 1. Mfd. (3 1/2 in. long, 1 1/4 in. diameter). Our Price..... **69c**

"Traveling Ghost Light" Vernier Dial



In our opinion, here is the most novel and useful dial available . . . and its exceptionally attractive appearance is in pace with its valuable utility! A lamp bracket is riveted to the condenser driving plate, and is enclosed within a hood, that only permits this lamp to throw a slender but readily visible shadow along the translucent scale, this shadow being banked on each side by a contrasting beam of light, producing a very impressing effect! No indicating levers are required! The vernier drive mechanism is positive, and fool-proof. A heavy coil spring assures permanent performance, and no slipping. Choice of 1/4 in. or 3/8 in. diameter shaft hole. Please state this information. The unusually attractive embossed bronze escutcheon plate measures 4 3/4 in. wide by 3 in. high.

Cat. No. 5660. Includes Knob, Escutcheon, Lamp Bracket and 2 1/2 Volt Lamp.

\$1.35

Short-Wave 48 to 1 Ratio Full-Vision Illuminated Vernier Dial



Ideal for tuning elusive short wave stations—a series of cleverly constructed, non-slipping cams, of steel to brass drive principle, assure life-long service. Movement of indicating lever hardly perceptible to the eye, proof of the value of the dial's performance! Note the attractive bronze escutcheon plate and knob that are furnished.

Shaft hole is 3/8 in., or 1/2 in. in diameter . . . please stipulate size desired. Elongated slot in mounting bar permits universal application. Cat. No. 5658. Including Escutcheon, Knob, Lamp Bracket and 2 1/2 volt lamp.

\$1.25

"Slow Speed High Frequency" and "Fast Speed Low Frequency" Full Vision Illuminated Vernier Dial

The varying speed permits a better and more uniform separation of the graduations at the high frequency end of the scale. This increasing speed may be had at either end of the scale, therefore please state whether the condenser is "closed at the left" or "closed at the right," with the shaft facing you. Smooth and trouble-free operating mechanism. The pointer is operated through a link motion which is positive and in exact unison with the condenser rotor. No slippage can occur. Choice of 3/8 in. or 1/2 in. diameter shaft hole. The attractively embossed escutcheon plate is 5 1/2 in. long.



Cat. No. 5659. Complete with Escutcheon Plate, Knob, Lamp Bracket and 2 1/2 Volt Lamp.

99c

De Jur Full Vision Vernier Dial Illuminated!



Attractively colored celluloid, calibrated disc. Universal mounting provisions. Will accommodate both 3/8 in. and 1/2 in. diameter shafts! Removable illuminated dial light bracket. Tension spring, neverslip, friction drive. Choice of 0 to 100, or 100 to 0 readings, 1/4 in. diameter knob shaft.

State whether 1/4 in. or 3/8 in. hub diameters are desired. Cat. No. 2408. Choice of 0 to 100, or 100 to 0. Our Price.

88c

(\$.105 with Escutcheon Plate)

"Short-Wave" 16 to 1 Geared Vernier Dial

Resembles above dial in general appearance and construction. Permits micrometric tuning adjustment, all important when searching for seemingly elusive shortwave stations.

Cat. No. 5573. (\$1.12 with Escutcheon Plate)

95c

Non-Slip, Revolving "Spot-Light," Vernier Tuning Dial



Complete with Illuminating Lamp and Hand-somely Embossed Bronze Escutcheon

An ingenious instrument! The illuminating bulb, contained in a hood with a slot to permit the light to shine through, travels around in line with the indicating arrow, causing only the particular dial setting to be illuminated—the balance of the full vision dial scale is therefore left in darkness! Nothing to get out of order! Condenser shaft accommodation for 1/4 in. and 3/8 in. diameters. An unusually attractive, bronzed escutcheon plate is included, measuring 4 1/2 in. overall. The operating shaft is 1/4 in. in diameter. The distance between the center of the condenser shaft hub and the mounting base of the upright stand-ard is 1 3/4 in.

Cat. No. 3291. **79c**

Smooth Operating Drum Dial

Automatic spring take-up insures positive drive at all times. Beautiful in appearance. The drum carrying the condensers is driven by a phosphor bronze cord. Turns easily and smoothly without backlash and is guaranteed to turn easily with any multiple unit of condensers. It easily mounts either on the subpanel, baseboard or to the front panel. The scale is of black material with clear white letters and is illuminated by a small flashlight bulb. 3/4 in. diameter shaft hole. Center of hole 3 3/4 in. up from baseplate. 4 in. diameter drum. 1 1/2 in. wide. Unusually attractive escutcheon plate and dial light.



Cat. No. 1618. **95c**
Cat. No. 1618-A. Special model—permits condensers to be mounted on both sides of the dial. **\$2.45**

Spring Friction Drive, Illuminated "Fan Type" Vernier Dial



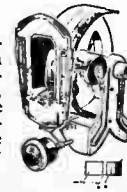
An old favorite! The dial settings are printed in white on a brown colored stock, of attractive gloss. When illuminated, it makes a very pleasing appearance. The condenser shaft hub accommodates both 3/8 in. and 1/2 in. shafts. The operating shaft is 1/4 in. in diameter. Outside diameter of dial, 4 1/4 in. The vernier drive mechanism employed will never slip. Pilot Light Socket included—Escutcheon 24c additional.

Cat. No. 3292. **60c**

"Rainbow Scale" Wide Face 5 Colored All-Wave Vernier Illuminated Drum Dial

Ideal for Single Dial Control All-Wave Sets!

This dial has a total possible calibration space of 31 inches. With 1950 wave channels lying between 500 and 20,000 kilo-cycles, of which only 100 are in the broadcast band, it becomes evident that four additional scale divisions are none too many for short wave calibration purposes. Tuning ratio is 8 to 1, or 8 turns of the knob to 180° of condenser movement. Figured in terms of drive ratio, the dial rates 16 to 1. Because of its exceptionally light and sensitive movement, this dial gives excellent tuning even at extreme short waves with a tuning ratio no higher than above. Almost no effort is required, and fine adjustments are made with corresponding precision and ease. Yet there is no tedium in traveling from one end of the scale to the other. Every wave channel, on any of the five possible scales, is quickly and easily reached and tuned in. Construction of the drum is extremely sturdy, with frame and drum of heavy die-cast metal, accurately matched. Hub diameter 1/4 in. or 3/8 in., as specified. Length of drive shaft ahead of bracket, 1 1/2 in. The varicolored scale surface is blank—you inscribe thereon the kilocycle calibrations To Exactly Suit Your Tuner!



Cat. No. 5766. Complete with Handsome Bronze Escutcheon Embossed Plate, Dial Bracket, 2 1/2 volt lamp and knob. **\$1.75**

New Premier Auto Radio Remote Control



Positive Drive—No Springs—No Back Lash—Stays Put! Direct Drive Through Flexible Shaft!

Pressed steel construction—all metal parts rust proof cadmium and black finish—small size 3 1/2" x 4 1/4" x 1" thick—light weight—key lockswitch—micrometer volume control 100,000 Ohm—Illuminated celluloid dial. Furnished with Steering Column mounting brackets and condenser gear plate for 3/4" shaft. 30" flexible shaft and casing standard.

Cat. No. 6202. **\$3.95**
Cat. No. 6203. Additional 30 in. length of Flexible Shafting (In Protective Case) **95c**

Carter-Utah Auto Remote Control

Strong and sturdy, it stands up under hard usage and requires no attention. It consists of Control Unit, Flexible Control Cable, Multiple-Wire Electric Cable and a Junction Box.



Flexible Control Cable—It provides a positive, smooth manual control of the receiver, through a 1/8-in. extremely flexible cable. Non-stretching, galvanized piano wire running free through a tubular housing of tinned piano wire. Requires no soldering or special tools for installation. A chuck connection, holding the cable housing firmly to the receiver case, allows instant detaching for servicing the set. Cable attached to operating pulley on set with set-screw—no soldering. Control Unit Case—Measures only 4 1/2 x 2 3/8 x 1 in. Neat and trim, black enamelled, will grace the most expensive car. Fits onto standard steering column and locks firmly in place. 1/8-in. leather spacers furnished for adapting to smaller steering columns. This unit houses the dial, control unit with knob, volume control and key-switch.

Four and one-half turns of knob completely rotates 180° condenser. Tuning is sensitive, precise, absolutely free of backlash and positively stable. Equipped with an Illuminated Dial. Junction Box—Cadmium plated steel with bakelite terminal strip. Usually placed on back of dash board. Simplifies installation and insures permanency of all connections. Also makes testing easy. Equipped with a Volume Control potentiometer.

Lock-Switch—Turns on and off set. No exposed terminals—set cannot be played without key. Two keys.

Cat. No. 5726. Equipped with a 4 foot, 3 Wire Electric Cable Junction Box, Lock Switch, Volume Control and 10 foot Control Cable. **\$7.75**
Cat. No. 5727. 10 foot Flexible Control Cable. Available Separately. **\$1.95**

Colored Inlay Bakelite Knobs

Most beautifully designed knobs available. Enraptures all that see it! Overall diameter 1 in., 1 1/4 in. deep. 1/4 in. brass shaft, moulded solidly. Hardened machine set screw. Cat. No. 2416. "Inlay" Celluloid Top. **20c**

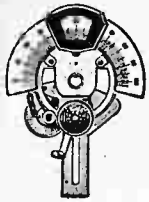
Radio Knobs



Cat. No. 3306. Walnut Bakelite Knob. Eggshell finish, 1 1/4 in. diameter, 1/4 in. shaft. **12c**
Cat. No. 3304. Two-Tone Walnut Bakelite Futuristic Design Knob. 1 1/4 in. diameter, 1/4 in. diam. shaft. Each. **12c**
Cat. No. 3299. Wood Turned Knob. Two-tone effect. 1 1/4 in. diameter. 1/4 in. diam. shaft hole. Each. **15c**
Cat. No. 3301. Same, 1 1/4 in. diameter. Each. **16c**
Cat. No. 3302. Two Tone Walnut Bakelite Knob. Choice of 1 1/4 in. or 1 in. diam. shaft hole. Each. **18c**
Per Dozen **\$1.35**

Per Dozen **\$1.20**
Cat. No. 3304. Two-Tone Walnut Bakelite Futuristic Design Knob. 1 1/4 in. diameter, 1/4 in. diam. shaft. Each. **12c**
Per Dozen **\$1.20**
Cat. No. 3299. Wood Turned Knob. Two-tone effect. 1 1/4 in. diameter. 1/4 in. diam. shaft hole. Each. **15c**
Per Dozen **\$1.25**
Cat. No. 3301. Same, 1 1/4 in. diameter. Each. **16c**
Per Dozen **\$1.30**
Cat. No. 3302. Two Tone Walnut Bakelite Knob. Choice of 1 1/4 in. or 1 in. diam. shaft hole. Each. **18c**
Per Dozen **\$1.35**

Dual Ratio Speed Wedge Drive Tuning Dial



Ideal for Short Wave Sets or Converters, or Combination Broadcast and Short Wave Receivers.

From Fast to Slow Speed at a touch of the lever. Ratio in 180 degrees movement of condenser. Fast Speed 6 to 1, Slow Speed 30 to 1. Scale 0 to 100 or 100 to 0. Hub, for 3/8" shaft with loose bushing to permit of using on a 1/2" shaft. Complete with bronze escutcheon, screws for attaching to panel and bushing for hub from 3/8" to 1/2" and pilot light socket. Excellent for Super-heterodynes or any fine tuning. Easily mounted and attached. Very smooth and powerful. Tan scale angles back at 30 degrees. Overall diameter, 4 1/4 in. **\$1.75**
Cat. No. 6583.....

Genuine Walnut Wood Carved Knobs



All fitted with non-slip 1/4 in. diameter bushings and hardened steel set screws. They are between 1 1/2 in. to 1 3/4 in. in diameter, and between 3/4 in. to 1 in. deep.
Illus. No. 1 Cat. No. 6584
Illus. No. 2 Cat. No. 6585
Illus. No. 3 Cat. No. 6586
Illus. No. 4 Cat. No. 6587
Your Choice **10c** each
Per Dozen, Ass't'd.....\$1.00

Pilot Lights



For Radio Drum Dials 2 1/2 and 5 volt types.

Cat. No. 1297. **29c**
5 Volt
Package of 10.

Cat. No. 1298. **29c**
2 1/2 Volt
Package of 10

Embossed Toggle Switch Plates

1 1/8 in. wide, 1 1/2 in. high. 1/2 in. diameter hole.



Cat. No. 5953. "Phono-Radio." **10c**
Each
Cat. No. 5954. **10c**
"Local-Distance". Each
Cat. No. 5955. **10c**
"On-Off". Each
In Lots of 25, \$1.95

Embossed Volume-Tone Control Plates



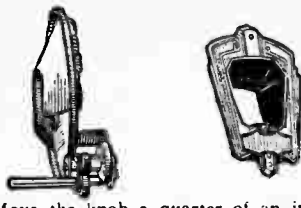
1 1/8 in. diameter. 7/8 in. diameter hole.

Cat. No. 5956. "Local Distance" **15c**
Each
Cat. No. 5957. "Volume: Soft—Medium—Loud" **15c**
Each
Cat. No. 5958. "Tone Control: Bass—Treble". Each **15c**
In Lots of 25, \$2.70

Insulated Staples

Cat. No. 6592. **20c**
Per Gross Carton ..

Uni-Control Dual Ratio Tuning Dial



Move the knob a quarter of an inch forward or back and you change instantly from a tuning ratio of 7-to-1 to a ratio of 50-to-1. (Drive ratio, from 14-to-1 to 100-to-1). The semi-circular inclined scale is wide enough for four short-wave bands in addition to the broadcast scale, if that many bands are desired. Operation of the drive at all speeds is extremely easy and smooth. Equipped with illumination bracket, bulb, 3/8 in. or 1/2 in. diam. shaft collar with steel set screw, mounting bracket, 1/4 in. diam. drive shaft, attractive bronze escutcheon, etc. **\$1.35**
Cat. No. 6588.....

Knob Assortment



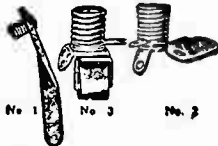
Consists of All-Bakelite, Wooden, Celluloid Top, Metal Faced, Embossed, and odd shaped knobs, in all sizes. All are equipped with standard 1/4 in. diam. shaft holes, and set screws. Cat. No. 5573. **59c**
12 Ass't'd. Knobs.....
Cat. No. 5574. **\$1.05**
24 Ass't'd. Knobs.....

Illuminated Dial Lamp Bracket and Socket

Can be bolted to any illuminated dial mechanism, or, for that matter, on any surface. For both 2 1/2 and 5 volt tubes. Total overall length 1 1/2 in. 1/2 in. wide. **15c**
Cat. No. 3290.....



Pilot Light Sockets



Cat. No. 6589. (No. 1). **10c**
Cat. No. 6590. (No. 2). **10c**
Cat. No. 6591. (No. 3). Slips over frame of average dial. **10c** each
\$1.00 per dozen

Small Bakelite Knobs

Cat. No. 1615. (Illustrated). 3/4 in. diam., 5/8 in. long. 1/4 in. diam. shaft hole. **50c**
Cat. No. 1616. 1 1/4 in. diam., 3/4 in. long. 1/4 in. in diam. shaft hole. **50c**



Electric Light Socket Antenna



Plug into any A. C. or D. C. light socket. Draws no current—entirely safe. Fully approved. Duplicates performance of outdoor aerial systems. No lightning hazard. **39c**
Cat. No. 2064

Majestic Wood Turned Tuning Knob and Two Embossed Metal Capped Knobs



A non-slip 1/4 in. diameter condenser shaft bushing is firmly embedded in these knobs, and a hardened steel set screw is also included. Overall diameter of small knobs: 1 1/2 in., 3/4 in. high. The larger knob measures 1 3/4 in. in diameter, by 1 in. high. Cat. No. 3298. Set of 3 Knobs (1 Large and 2 small **35c** Knobs).....

Bakelite Vernier Dial

Offers micrometric tuning—ideal for all test equipment, short wave and super-heterodyne receivers. Accommodates 1/4 in. diameter condenser shafts. Overall diameter: 3 1/8 inches. The friction drive is guaranteed not to slip, even under hard usage! **95c**
Cat. No. 3295.....



Terminal Board

Bakelite Base, with two mounting holes. Has solder lug terminals and terminal screw posts. **15c**
Cat. No. 7224
Each
Per Dozen, **\$1.25**



Non-Removable Head Binding Post

Highly Nickel Plated

Knurled edges. Head cannot possibly twirl off! Length overall—1 inch—6/32 thread! **5c**
Cat. No. 5398.
Each
In Lots of 24, **95c**.



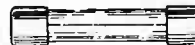
Yaxley Jack Switches

Nos. 63 and 64 have three settings, with a neutral position in the center. The balance of these switches are distinctly of the "OFF-ON" series. **25c**

Cat. No.	Your Cost
7225..20—Single pole, single throw	\$0.45
7226..30—Single pole, double throw	.55
7227..40—Double pole, single throw	.60
7228..45—Five springs, combining Nos. 20 and 40	.69
7229..60—Double pole, double throw	.75
7230..63—Three pole, double throw	.96
7231..64—Four pole, double throw	1.20

Radio Safety Fuses

Cat. No. 4626. 1 Amp.
Cat. No. 4627. 2 Amp.
Cat. No. 4628. 3 Amp.
Cat. No. 4629. 5 Amp.
Box of 5 **20c**
\$3.50 per 100



Fuse Block Mounts

Fit standard size fuses listed above. **20c**
Cat. No. 5435.



500 Ass't'd. Lugs—Grid Caps—Fahenstock Clips—Cable Lugs, Etc.

All hot tinned—ready for quick soldering. Housed in a cardboard tube with screw-on cover, 3 1/4 in. long. **69c**
Per Carton



Tinned Terminal Lugs Packed 24 to an envelope. Order by lug number and our catalog number.



Cat. No. 2684. **6c**
Per Envelope
Your Choice
12 envelopes for 60c

Hexagon Nuts, Knurled Nuts and Washers



Cat. Nos. 2685-2688 2690-2691 Cat. No. 2689
Cat. No. 2685. 6/32 x 1/4 in., 20 nuts to an envelope.
Cat. No. 2686. 8/32 x 1/4 in., 20 nuts to an envelope.
Cat. No. 2687. 6/32 x 5/8 in., 15 nuts to an envelope.
Cat. No. 2688. 8/32 x 5/8 in., 15 nuts to an envelope.
Cat. No. 2689. 6/32 x 3/8 in., 6 knurled nuts to an envelope.
Cat. No. 2690. No. 6 Washers, 20 to an envelope.
Cat. No. 2691. No. 8 Washers, 20 to an envelope. **7c**

Per Envelope
12 for 70c

Spring Clip Connectors



Type No. 41 Single Clip **25c**
Cat. No. 1628
Per Dozen
Per 100, **\$1.75**

Type No. 45 Double Clip **40c**
Cat. No. 1629
Per Dozen
Per 50, **\$1.50**

Panel Post

For up to No. 12 Wire. Base is 6/32 Tapped 3/4 in. high. **50c**
Cat. No. 2655.
Per Dozen
Per 50, **\$1.85**



Yaxley Push Button Switches



Your Cost
Cat. No. 7232—Make Contact\$0.60
7233—Break Contact60
7234—Single Pole, Double Throw69
7235—Two Make Contacts78
7236—Two Break Contacts78
7237—Double Pole, Double Throw96

Pentode Adapter



Converts power output stages now employing 245 tubes, into PENTODE (PZ or 247) OPERATED MODELS! Pentode tube is slipped into 5-prong socket on top of adapter, and the 4-prong plug is inserted into the present 245 socket—that is all there is to it.

Cat. No. 3226. Our Price **65c**

46 Tube Adapter

Permits you to use the latest 46 tube in place of a 245. Many people prefer the 46 to a Pentode, in place of a 245.

Cat. No. 6170. **95c**

Individual Socket Test Trouble Finder and Adapter

Especially adapted to trouble finding and making all circuit connections to a 4, 5 or 6 prong tube base where no wires are exposed. Plate, grid cathode, or heater circuits can be opened readily for connection of meters or test equipment. May be used for connecting phonograph pickups or meters to radio sets or amplifiers.



Cat. No. 1445-A. 4 prong **95c**

Cat. No. 1446-B. 5 prong **\$1.15**

Cat. No. 1446-C. 6 prong **\$1.75**

Phono. Pick-up and Microphone Adapter



For 5-Prong Tubes!

The long 10 ft. silk, rubber and cotton covered stranded copper leads are correctly wired, as an efficient adapter, namely, in series with the Cathode of a 227 or 224 Tube. Contained in a bakelite housing, with protruding UY prongs, for insertion into any UY socket—the tube formerly inserted in that particular socket is then placed into the top UY holes of the adapter.

Cat. No. 5075. **59c**

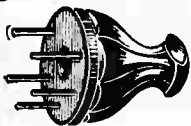
With 6 ft. Cord. Our Price **95c**

Cat. No. 5079. **95c**

With 20 ft. Cord. Our Price **95c**

4-5-6 Prong Bakelite Socket Plugs

The 5 prong model is ideal for making External Connections to Dynamic Speakers; two contacts are reserved for the field coil thereof, and the other three contacts are connected to the push-pull output transformer in the speaker. Can also be used for providing "A-B-C" power voltages, for external requirements, such as power pack to external tuner! Solid, attractive bakelite molded threaded cap, to provide access to prong connections. Note convenient grip.



Cat. No. 2008—4 Prong. **19c**

Cat. No. 2009—5 Prong. **35c**

Cat. No. 6171. **35c**

6 Prong **35c**

Bakelite 4-5-6 Prong Cable Plug

Ideal For Set Testers and General Speaker or Power Supply Connections. Detachable Plug Feature.



Cat. No. 5182. **29c**

4 Prong **29c**

Cat. No. 5183. **39c**

5 Prong **39c**

Cat. No. 6172. **59c**

6 Prong **59c**

Assorted EBY Binding Posts

Non-removable heads. No selection of titles allowed.

Cat. No. 6210 **75c**

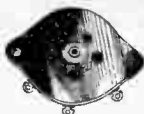
Per dozen **75c**

dozen **75c**

50 ASSORTED FOR \$2.45



'Cinch' Wafer Radio Sockets



Phosphor Bronze Contacts—Bakelite Insulation!

The contacts furnished are made from highest grade phosphor bronze with a uniform spring temper. No effort or expense is spared to maintain this temper, as it is the heart of this socket. Contacts are of sturdy construction, scientifically designed and manufactured to obtain a rigid four-point contact at all times—yet tubes may be inserted or removed with ease and smoothness.

Note the overall length, 2 1/4 in. Distance between mounting holes, 1 1/4 in. Tube type numbers are engraved in white on the top surface of every socket.

Cat. No.	Type	Cat. No.	Type	Cat. No.	Type
6173	46	6185	89	3208	233
6174	864	6186	295	3209	236
6175	865	3198	226	3210	237
6176	866	3199	227	3211	238
6177	868	3200	171	3212	280
6178	874	3201	245	3213	588
6179	55	3202	224	3214	281
6180	56	3203	235	3215	250
6181	57	3204	247	3216	210
6182	58	3205	230	3217	561
6183	82	3206	251		
6184	83	3207	232		

Your Price

Each **7c**

In lots of 25, \$1.50 In lots of 50, \$3.10
In lots of 100, \$5.90

NOTE: As fast as new tubes are brought out on the market, we will be able to supply the proper socket.



Readrite 4 and 5 Prong Adapters



Cat. No. 2050 **59c**
Cat. No. 2051-54. Contains 5 prong Sockets, on a 4 prong Plug Has all connections complete to plug. **59c**
Cat. No. 2051-45. Contains 4 prong Socket on a 5 prong Plug. Has all connections complete to plug. **59c**

Jones 10 Conductor Multi-Plug



Consists of a male and female unit. Extremely useful. Plug cannot be inserted incorrectly into female.

by virtue of key slot arrangement. Possesses finest insulation.

Cat. No. 6193 **39c**

Two Piece Attachment Plug

Bakelite moulded through-out. Cap and plug available separately, if desired.

Cat. No. 2928. **5c**

CAP. Each **5c**

Pkg. of 25, for 95c



Cat. No. 2929. **6c**
PLUG. Each **6c**
Pkg. of 25, for \$1.35

Cat. No. 2930. ARMORED CAP. **7c**
(Illustrated). Each **7c**
25 for \$1.50

Single and Double Convenience Outlets

Made of white glazed porcelain. Mounts to wall with single wood screw. **10c**

Cat. No. 2931. SINGLE **10c**

Cat. No. 2932. DOUBLE **15c**

Eby Bakelite Base Mounting Sockets

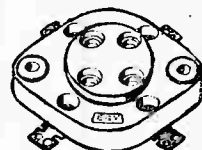


1 1/4 in. mounting centers.
Cat. No. 5086. **16c**
4 Prong Type **16c**
Cat. No. 5087. **Each**
5 Prong Type **16c**
\$1.80 Per Dozen

Cat. No. 6187. **22c**
6 Prong Type **22c**

Eby Isolantite Sockets

Snow white composition, possessing highest possible insulating qualities, making these sockets ideal for Short Wave Receivers-Converters.



Cat. No. 6188. 4 prong **20c**
Cat. No. 6189. 5 prong **20c**
Cat. No. 6190. 6 prong **22c**

Sub-Panel Mount Bakelite 4-5-6 Prong Sockets



Cat. No. 2030 **10c**

Cat. No. 2031 **10c**
Ideal for use with 4 or 5-prong dynamic speaker plugs, short wave coil forms as well as radio tubes. Highest insulation quality bakelite, and durably moulded. Protruding contacts are inserted through holes in sub-panel, and connections made thereto. Popular one hole mounting feature.

UX 4 PRONG TYPE

1 1/4 in. in diameter. 5/8 in. long lugs. 1/8 in. high above chassis. **10c**

Cat. No. 2030. **10c**
In lots of 12, 99c
In lots of 50, \$4.50

UY 5 PRONG TYPE

1 3/8 in. diameter. 5/8 in. long lugs. 1/8 in. high above chassis. **12c**

Cat. No. 2031. **12c**
In lots of 12, \$1.20
In lots of 50, \$4.50

6 PRONG TYPE

1 3/4 in. diameter, 5/8 in. long lugs. 1/8 in. high above chassis. **18c**

Cat. No. 6191. **18c**
In lots of 12, \$1.95
In lots of 50, \$7.25

Bakelite 4-5-6 Prong Base Mounting Sockets

1 1/4 in. diameter, 3/4 in. high. Choice of lugs or terminal screw connections.

Cat. No. 3218. **22c**

4 Prong. Each **22c**

Cat. No. 3219. **29c**

5 Prong. Each **29c**

Cat. No. 6192. **39c**

6 Prong. Each **39c**



4-5-6 Prong Bakelite Socket Plug, with 4-5-6 Wire 40 inch Vari-Colored Cable



One thousand and one uses will suggest themselves to the ingenious serviceman. Keep a good supply on hand at all times. Finest quality, heavily insulated leads! Ideal for connection to dynamic speakers, for external power supply leads, etc.

Cat. No. 2011. **50c**

4 Prong Socket and Cable **50c**

Cat. No. 2010. **60c**

5 Prong Socket and Cable **60c**

Cat. No. 7168. **75c**

6 Prong Socket and Cable **75c**

Radio Serviceman's or Set Builder's Tool Chest

A tool for the performance of every practical Radio mechanical requirement! And all good tools only!



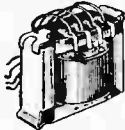
Consists of the following tools:

- | | |
|--------------------------------|-------------------------------|
| Center Punch | Large End Wrench |
| 3 in. Screw Driver | Crow Bill Pliers |
| 5 in. Screw Driver | Diagonal Cutting Pliers |
| Countersink (with wood handle) | Socket Wrench Set |
| Scraper | For Hex. and Knurled Nuts |
| Reamer | Neutralizing Tool |
| Small End Wrench | Set of 9 Radio Drills |
| Medium End Wrench | Rosin Core Solder |
| | Countersink (for drill chuck) |
| | Pair Test Leads |

Cat. No. 3399..... **\$4.95**

Giant Size General Replacement Audio Transformer

Sturdily constructed. Mechanically and electrically designed for heavy duty applications. Bakelite terminal board, appropriately coded, and equipped with both solder lug terminals and flexible leads, for universal use. 3 in. long, 2 in. wide, 2 1/2 in. tall.



Cat. No. 6088..... **95c**

Brunswick Output Push-Pull Transformer

Equipped With Secondary Which Matches Impedance of Standard Dynamic Speaker Voice Coils



Enclosed in a 2 3/8 in. diameter round can, 3 in. tall. Note the conveniently shaped mounting base. Primary resistance, 1200 ohms. Can be used with any style or make Input Push-Pull Transformer.

Cat. No. 4270..... **90c**

Kolster Push-Pull Input Audio Transformer

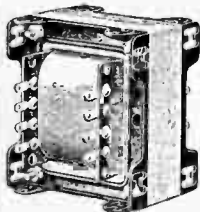
Hermetically sealed within a round chamber, equipped with mounting feet. Ideal for sub-panel mount. Solder lug terminals fastened to bakelite strip protrude through the sub-panel, thereby greatly facilitating its installation. Kolster quality performance is an inherent feature of this superb transformer. 3 3/8 in. tall, 2 1/2 in. diameter.



Cat. No. 6089.
Input Push-Pull Transformer..... **95c**
Cat. No. 6090.
Audio Transformer..... **90c**

"Coast-To-Coast" Triple Position Universal Mount Heavy Duty A. C. Power Transformers

Equipped With High Insulation Terminal Boards With Designated Solder Lugs.



171 Power Transformer

For 6-226's, 1-227, 2-171's, 1-280

Description: Primary 110 volts, 50-60 cycles. Secondaries: (1) 570 volts C. T.-70 M. A. (Plate). (2) 5 volts C. T. 2 amp. (1-280 filament). (3) 2.5 volts C. T.-1.75 amp. (1-227 filament). (4) 5 volts C. T. 1/2 amp. (2-171A's filament). (5) 1.5 volts, 6.3 amp. (6-226's filament)

DIMENSIONS: Overall 3 1/2" x 3 1/4" x 3 3/4" Cat. No. 6221..... **\$3.30**

245 or 247 Power Transformer
For 5-227's or 224's (or 9-1.0 Amp. 2 1/2 Volt Tubes) 2-245 or 247, 1-280

Description: Primary 110 volts, 50-60 cycles. Secondaries: (1) 700 volts C. T.-70 M. A. (plate). (2) 5 volts C. T.-2 amp. (1-280 filament). (3) 2.5 volts C. T.-3.0 amp. (2-245 or 247 filament). (4) 2.5 volts C. T.-8.75 amp. (5-227's or 224's filament).

DIMENSIONS: Overall 3 1/2" x 3 1/4" x 3 3/4" Cat. No. 6222..... **\$3.30**

NOTE: We Can Furnish Any of These Three A. C. Transformers For Use With 82 Mercury Vapor Rectifier Tubes (instead of 280) for 50c Additional.

Brach Neon Test-O-Lite Quickly Locates Trouble in Any and All Electric and Radio Circuits, up to 550 Volts A. C. or D. C.



Indicates the voltage—a dim glow is shown when testing 110 volts, and on higher voltages up to 550 volts the glow becomes brighter in proportion. Indicates instantly whether A.C. or D.C. Current is present. If A.C. current, both electrodes will glow, and if D.C. current, only one electrode will glow and at the same time indicate the negative pole of the circuit. Detects the live and ground wires—by touching one lead only to either side of a circuit, the live wire side will show a faint glow in the Neon bulb. Test resistance leaks in order that high insulation can be maintained. Test-O-Lite has the remarkable characteristic of becoming illuminated at 110 volts through a resistance of 20,000,000 ohms (20 meg-ohms) and frequently as high as 50,000,000 ohms (50 meg-ohms). Can be used as a pilot light if connected permanently to any circuit. The indestructible Test-O-Lite is furnished in a beautifully designed bakelite casing and replaces and exceeds the ordinary incandescent test bulb now being used for testing electrical circuits, fuses, cut-outs, etc. It can be handled with ONE HAND so that it simplifies tests while working on ladders and inaccessible places. With One Hand-grip, one can ascertain faults of insulation, interruptions, tensions against ground, etc. The Test-O-Lite is so sensitive and requires such small current that one can direct the current also through the human body without feeling it. One, therefore, can test whether a conductor has tension against ground or not by touching one of the leads with the hand.

Cat. No. 3366..... **\$1.50**

A. C. Filament Transformers



Most compact available. Enclosed in a handsome crystalline finished metal Shielded Case, with output binding post terminals.

For 110-120 volt, 50-60 cycle A. C. Short Wave Converter Model. For Three 2 1/2 volt, 1.75 Amp., or 6 2.5 volt, 1.0 Amp. A. C. Tubes. Cat. No. 5523..... **\$1.25**

For Six 2 1/2 volt, 1.75 Amp. (or 10 2.5 volt, 1.0 Amp.) A. C. Tubes. Cat. No. 5524..... **\$1.65**

For One or Two 210, 250, or 281 A. C. Tubes. Cat. No. 5525..... **\$1.95**

Rubber Tube Weight



Inside Diameter, 1 3/4 in. Inside Length 1 1/2 in. Diameter of center hole, 1/4 in. Made of pliable rubber. Can be used for many varied purposes. Actual weight, 3 ozs.

Cat. No. 6387..... **15c**
Per Dozen, \$1.50

Aluminum Coil Shield

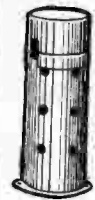
2 1/4 in. Diameter, 2 3/8 in. long.

Cat. No. 6386..... **10c**

Per Dozen, \$1.00

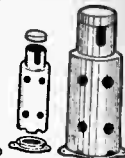


New Types 56-57-58 Three Piece Ventilated Aluminum Tube Shields



Type A

TYPE "A." Overall height, 4 1/2 in.; inside diameter 1 1/2 in. Base mounts to chassis over wafer socket, and permits the snugly fitting shield itself to be removable herefrom. Note the removable screen grid cap, with slot for insertion of screen grid lead to cap of tube.



Type B

Cat. No. 6381..... **15c**
Per Dozen, \$1.60

Type "B." Overall Height: 4 1/2 in. This shield makes a highly desirable appearance.

Cat. No. 6383..... **15c**
Per Dozen, \$1.60

Ventilated Aluminum Tube Shield

Equipped with Snug Fitting Chassis Mounting Ring



An old favorite with set-builders. A screen grid connection is made through the large port-hole provided for same on the top of the shield—note the 6 ventilation holes. The mounting base has a 1 3/8 in. diameter cut-out, to permit the tube prongs, etc., to easily clear its sides. There are 3 slots along the bottom of the shield—these serve a dual purpose: Aid ventilation, and allow leads to pass through the shield, if so desired. Overall length 4 1/2 in., 2 1/2 in. diameter.

Cat. No. 5341..... **14c**
Per Dozen, \$1.45

Removable Hood Ventilated Tube Shield

Furnished With Slot for Insertion of Screen Grid Lead



Equipped with two 6/32 threaded mounting pillars, which are inserted into holes provided for same in a metal chassis. These terminals are 1 1/2 in. apart, and the diameter of the base of the shield is 1 1/8 in. The overall height of the shield is 5 in. There are 4 holes provided around the bottom edge, for either an aid to ventilation, or for the insertion of leads to be connected to a socket, with terminals above the chassis.

Cat. No. 5340..... **15c**
In Lots of 12, \$1.60

56-57-58 Type Ventilated Aluminum 3 Piece Shield

Screen Grid Cap of Tube Protrudes Above Cap of Shield



Overall height, 4 in. 1 1/4 in. inside diameter. Both the cap and shield sleeve are separately removable. Fully ventilated.

Cat. No. 6382..... **14c**
Per Dozen, \$1.60

Screen Grid Tube Caps



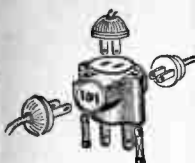
Cat. No. 3192. Length, 7/8 in. Material, Brass. Finish, Cadmium.
Per Doz..... **15c**
Per Gross..... **\$1.50**

Screen Grid Tube Cap With Leads

A lead is soldered directly to the cadmium plated spring brass cap.
Cat. No. 3194
Per Doz..... **70c**



Triple Outlet With Dual Fuse Protection



A new fuse can be inserted in a moment—no tools of any kind required. Both fuses are held in a special barrel moulded right in the bakelite plug. Holds standard radio fuses—state which.

Furnished with two 1, 2 or 5 amp. fuses—state which. **69c**
Cat. No. 6774.....

Extension Cord Connectors

For speaker and phone cord extensions. Bakelite moulded.
Cat. No. 1408 **9c**
Each



External Speaker Connector

2 five prong adapters with plate connections on each terminated in tip jacks for use with 2 '47, or '33, or '38, or other 5 prong power tubes.
Cat. No. 6798 **59c**
Per Pair

Flat Wafer Adapter

No larger than a tube base. Ideal for tone controls, etc.
Cat. No. 6799. 4 prong with grid and plate connections **30c**
Cat. No. 6800. 5 prong with filament, grid or screen grid, cathode or space charge grid and plate connections **30c**



Long Shank S.P.D.T. Toggle Switch

1/2 in. long threaded shank. Ideal as Phono-Radio, "Hi-Lo", Set Tester switch, etc.
Cat. No. 6801 **45c**
Per dozen, \$4.40

Na-Ald 82 Mercury Rectifier Testing Adapter Toggle Switch

Permits reading of both rectifier tube plates. Test any 82 tube on any tube tester. Resistances included within this adapter.
Cat. No. 7215 **\$1.76**



Na-Ald Lock Feature Analyzer Plugs

Permits ready locking or release of adapters. Bakelite moulded.
Cat. No. 7216. **\$1.80**
4 Prong Plug....
Cat. No. 7217. **\$1.80**
5 Prong Plug....
Cat. No. 7218. **\$2.06**
6 Prong Plug....
Cat. No. 7219. UX to UY Adapter (For 4 prong plug) **75c**
Cat. No. 7220. UY to UX Adapter (for 5 prong plug).... **75c**
Cat. No. 7221. 6 to 5 Adapter (6 holes on top)..... **73c**
Cat. No. 7222. 6 to 4 Adapter (6 holes on top)..... **73c**



Type '57 Tube Adapter and Shield



This Combination '57 adapter and tube shield makes it handy for the replacing (and shielding) of the '57 tube instead of the '24 type tube. **62c**
Cat. No. 6775.....

'58 Tube Adapter and Shield

This Combination '58 adapter and tube shield makes it handy for replacing and shielding the '58 tube instead of the '35 or '551 type tubes. **62c**
Cat. No. 6776.....

Ear-Phone and Loud Speaker Adapter

Listen to DX at any time without disturbing the rest of the family. Just insert Adapter into first audio tube socket, then insert tube into Adapter. If greater volume is desired, insert adapter into second audio tube socket. Also very good for adding additional speaker to sets that have one power tube.
Cat. No. 6777. For 5 Prong Sockets..... **62c**
Cat. No. 6778. For 4 Prong Sockets.....



Microphone or Phono Adapter

5 or 6 prong adapter with split cathode connections. May be used in connection with a microphone and when so used supplies the necessary current for operation of the microphone. It may also be used as a phono-graph adapter where the tube under which it is inserted is an amplifier tube.
Cat. No. 6779. 5 Prong..... **59c**
Cat. No. 6780. 6 Prong..... **79c**



Special Wafer Adapters

Contact on Plate Prong for supplying plate current for Short Wave Converters. Has 12" wire leads with pin jack on end. Four Prong
Cat. No. 6781 **36c**



4 Prong Wafer Adapter with contact taken from grid prong and may be used on 4 Prong Speaker Plug to supply plate current from speaker field coil. **36c**
Cat. No. 6782

5 Prong Wafer Adapter, with contact on plate prong. **39c**
Cat. No. 6783

5 Prong Wafer Adapter, same construction as above 5 prong adapter, with contact taken from Cathode Prong and may be used on 5 prong speaker plug to supply plate current from speaker field coil. **39c**
Cat. No. 6784

Output Adapters

Designed so that additional speakers can be connected to any radio set that is using push-pull amplification without having to disconnect any of the wiring of radio set or solder any connections.
Cat. No. 6785 **59c**
Per Pair



Grid and Plate Output Adapter



Designed so that both grid and plate connections can be taken from tube enabling the connecting of additional speakers and also the use of a Tone Control.
Cat. No. 6787 **80c**
Per Pair

Cat. No. 6788. Adapter, **30c** each
Less Leads

Pentode Output Adapter

Designed so that additional speaker can be connected to Radio Set that has only one Pentode Tube. Wire Leads 42" long and have phone tips soldered to ends. **49c**
Cat. No. 6789.



Pentode Output Adapter

Designed so that additional speakers can be connected to any set that uses two pentode Output Tubes. Leads are 42" long and have phone tips soldered on ends.
Cat. No. 6790. **81c**
Per Pair



Each Adapter—less leads... **30c**
Cat. No. 6791.

Phonograph Adapter

5 Prong Wafer type with two (2) connections on same. **45c**
Cat. No. 6792..



Phone Tip Jack

Sure grip jack. Note terminal screw—no soldering required.
Cat. No. 6793. **10c**
Per dozen, 95c



6 Prong Analyzer Plug With 6 to 5 Prong Locking Adapter

The cathode prong, next to the filament, is not connected to any prong of the 5 prong socket—all the remaining contacts of both the adapter and socket are connected respectively to each other. **\$2.75**
Cat. No. 6802...



Short-O-Tester Circuit and Continuity Tester

Contains a 2 1/2 volt lamp and a small sized flashlight battery so connected that when the flexible wire lead with its clip is attached to one end of a circuit and contact made through the pin terminal on one end of the tester, to the other end of the circuit, it will indicate whether it is an open or closed circuit. Can also be used as a trouble or flash light. Can also be used with a Neon lamp. Should appeal to all those engaged in servicing radio and electrical equipment. Cat. No. 6803. Complete with battery and 2 1/2 volt bulb **\$1.18**



50 Watt P.A. or Transmitting Socket

3 3/8 in. diameter—2 in. tall. Sturdy phosphor bronze contacts. Moulded bakelite base—nickel-plated shell.
Cat. No. 6804 **\$1.47**



Dynamic Speaker, Etc., Extension Cords

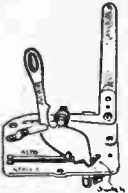


Consists of a well insulated durable cable with a male plug at one end, and a female socket at the other end.
Cut to Any Length Per ft.

Cat. No. 6794	3 1/2 ft. Length	90c	35c
1 Prong			
Cat. No. 6795		96c	37c
5 Prong			
Cat. No. 6796		\$1.25	45c
6 Prong			

Automatic Phonograph Stop

With this combination Stop and switch the electric current is shut off at the same time the Turntable is stopped. It will work in combination with all kinds of Tone arms.
Cat. No. 5009 **\$1.75**



46 Tube Adapter

Offers ideal way to dispense with type '45 tubes. Remove '45 tube from its socket, insert this adapter and then insert a '46 tube into the adapter. All electrical circuit changes are automatically made. Two adapters are required for push-pull circuits. Cat. No. 6797 **79c**
Each



Phono-Radio Switch and Adapter

Simplest method of connecting phonograph to audio system of the radio. Adapter plugs into detector socket; tube plugs into the adapter and switch changes from radio to phonograph instantly. **\$1.62**
Cat. No. 6805



Condenser Shaft Reducer

Permits the use of a 1/4 in. dial or knob on a 3/8 in. diameter shaft. **15c**
Cat. No. 6806



Copper Shield Sleeve Mesh

Can be stretched considerably. Conductor cables are run through this sleeve, which is then grounded.
Cat. No. 6807 **\$10.00**
6807 1 in. \$11
6808 1/2 in. .09 8.50
6809 3/4 in. .07 6.50
6810 1/2 in. .05 4.50



Bakelite Base Knife Switches

Hardware of brass, heavily nickel-plated. Mounted on highly polished bases of black Bakelite.
Cat. No. 6811 Single Pole, Single Throw **\$3.30**
6812 Single Pole, Double Throw **.36**
6813 Double Pole, Single Throw **.42**
6814 Double Pole, Double Throw **.48**
6815 Three Pole, Double Throw **.72**
6816 Four Pole, Single Throw... **.84**
6817 Four Pole, Double Throw... **.90**
6818 5 Pole, Single Throw..... **1.05**
6819 5 Pole, Double Throw.... **1.20**



1 lb. Ass't'd Screws, Lugs, Nuts, Metal and Insulated Washers



Compact enough to fit in any serviceman's tool kit, when out on jobs. You have often said you would give a dollar for just one screw, lug, nut, metal and insulated washer when you really wanted it most . . . to avoid this, carry one of these assortments! Every conceivable size, length, thread, and shape of bakelite, fibre, brass or nickel plated part is included. 2 1/2 in. x 2 1/2 in. x 2 in.

Cat. No. 3147 **35c**
5 Cartons for \$1.50

Ass't'd Screws and Nuts

Bound to contain the very length and thread screw or nut you are looking for! A screw and nut for practically every purpose! Excellently well apportioned assortment. One of very best sellers! You cannot afford to be without one of these assortments, always on hand.

Cat. No. 2619 **19c**
One Pound Ass't.
Cat. No. 2657 **49c**
3 lb. Ass't'
Cat. No. 2658 **83c**
5 lb. Ass't'
Cat. No. 2659 **\$1.50**
10 lb. Ass't'

Insulated Washer and Grommet Assortment

Contains most every conceivable type, size, and shape of bakelite, fibre, rubber, asbestos, etc. washer. Some have shoulders, for use in holes in metal panels. Very well assorted—ideal for the experimenter and serviceman.

Cat. No. 2693 **50c**
Per 100 Ass't Pieces
Cat. No. 2660 **\$1.25**
Per 250 Pieces
Cat. No. 2661 **\$2.40**
Per 500 Pieces

Assorted Eyelets

Extremely useful—our assortments contain a goodly portion of each of the most popular lengths and diameters as used on Radio chassis. Brass and nickel finish types included.

Cat. No. 6204 **35c**
Per 100 Ass't'd Eyelets
Cat. No. 6205 **\$1.45**
Per 500 Ass't'd Eyelets
Cat. No. 6206 **\$2.60**
Per 1000 Ass't'd Eyelets

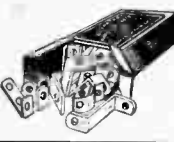
5 lbs. Ass't'd Screws, Nuts, Washers, Lugs, Insulated Washers, Misc. Hardware

Note the four compartments, each housing separately, the above named indispensable aids to every Radio mechanic or experimenter. Every possible size makes up this very valuable assortment—truly, a part for every need! Both nickel-plated and brass parts make up the contents. 5 3/4 in. x 5 3/4 in. x 2 in.



Cat. No. 3146 **\$1.65**

28 Ass't'd Nickel Plated Brass Angles and Brackets



Made up of brackets and angles above described. "Worth its weight in gold." Should be in every shop, or on every experimenter's work table.

Cat. No. 3188 **39c**

Round Head Machine Screws

7 in. long, with 2 3/4 in. long 7/24 thread, and nut. Cat. No. 2872 **8c**
Each
Dozen, 85c Per 50, \$2.95

5 in. long, with 1 1/2 in. 7/24 long thread and nut. Cat. No. 2871 **5c**
Each
Dozen, 49c Per 50, \$1.95

Porcelain Base Knife Switches



Cat. No. 1637—Single pole, single throw, each **10c**
Per Doz. \$1.10
Cat. No. 1638 **15c**
SPDT, each
Per Doz. \$1.75
Cat. No. 1639 **20c**
DPST, each
Per Doz. \$2.25
Cat. No. 1640 **25c**
DPDT, each
Per Doz. \$2.90
Cat. No. 1641 **50c**
TPDT, each
Per Doz. \$5.75

Twin and Triple Jack Units

An unusually strong spring firmly makes contact to any tip inserted within its powerful grip. Mounted on a bakelite strip, 1/8 in. thick, 2 in. long, 1 1/4 in. wide. Metal parts are highly nickel plated. Jacks fit any standard phone tip.



Cat. No. 3284 **9c**
Twin Tip Jack
In Lots of 12, 95c. In Lots of 25, \$3.50
Cat. No. 3285 **12c**
Triple Jack
In Lots of 12, \$1.20. In Lots of 25, \$2.15
Cat. No. 3286 **65c**
Phone Tips, Per 50

Bakelite Base Dual Screw and Lug Terminal



Distance between mounting centers, 1 1/2 in. 1 1/4 in. wide. Non-movable soldering lugs. 1/8 in. long, wide head screws. Cat. No. 5779 **10c**

Multi-Pig-Tail Resistor Mounting Brackets

Each terminal lug is insulated from each other, and rigidly fastened to the genuine bakelite strip. Three chassis mounting lugs are provided. Overall length: 4 3/8 in.



Cat. No. 5095 **35c**
In lots of 12. \$3.60
Cat. No. 6207. For mounting three Resistors—Five Lugs in all. **15c**
2 in. long
Per Doz. \$1.49
Cat. No. 6208. For mounting Two Resistors—Three Lugs in all. **12c**
1 1/2 in. long
Per Doz. \$1.20
Cat. No. 6209. For mounting One Resistor—Two Lugs in all **8c**
3/4 in. long
Per Dozen, 72c

"Press-Down" Spring Tension Barrel Head Binding Posts



Electrically and mechanically perfect! Universal application! Ideal for test equipment—permits rapid connections. Easily insulated, from metal chassis, if desired, 3/4 inch height above base surface.

Cat. No. 1962. Each **5c**
50c per dozen. 90c per 25. \$3.00 per 100

"Shake Proof" Lock-Washer Kit



Made of bronze—sharp, hardened biting edges. Will not "tangle" together. A generous portion of each size included, from a 1/8 inch diameter hole to a 3/4 diameter. Note the convenient bins provided for each size or type. The box measures 1 1/2 in. long, 1 in. tall, 2 3/4 in. wide. **\$2.95**
Cat. No. 5407.

EBY Twin Jack



Perfect gripping contacts, solidly moulded in bakelite. Marked: "Speaker" and "Field." State which is desired. Cat. No. 324 **12c**
Each
Per Dozen, \$1.20

"Phono" Twin Jack

Also used as "Microphone Input." Single hole mount. Cat. No. 1974 **12c**
Per Dozen, \$1.20

Solderless Plug and Tip Jack



Removable threaded sleeve. Contains hole through shank. 1 3/8 inch long. 1/8 inch diameter thread shank. Highly nickeled. Makes "biting" contact. Cat. No. 1631 **4c** each
28 for \$1.00
Cat. No. 1630 **4c** each
28 for \$1.00

Connector Jack Tips and Jacks

Ideal for all test equipment, where rapid changes of making meter reading connections are desired. Can be used wherever binding post terminals are now employed. 1001 other uses! You cannot afford to be without a quantity of these most handy devices. Highly nickel plated. Insulated washers are included with jack—permits mounting on metal. Positive wiping contact on jack—1/8 inch mounting hole. Total length of jack tip is 1 1/4 inch. Cat. No. 1969. Jack Tips. Each **3c**
Per 50, 90c Per 100, \$1.65 Per dozen, 25c
Cat. No. 1970. Jacks. Each **5c**
Per 50, 90c Per 100, \$1.65 Per dozen, 25c



"Antenna-Ground" Twin Post

Uses EBY Binding Posts **14c**
Cat. No. 1976 Per Dozen, \$1.45

"Short and Long Antenna-Ground" Triple Post

Uses Eby Binding Posts. Cat. No. 1977 **20c**
Per Dozen, \$1.95



Push-Button Antenna, Ground Assembly and Bind. Posts

A brand-new binding post! Quicker, easier connection given by Cinch's Push-Button principle. As shown herewith . . . just press the button . . . insert wire . . . a firm, perfect contact is established! No threading. Completely equipped with soldering lugs—one grounded to chassis; the other ready for wiring. 1 1/4 in. standard mounting centers. Bakelite 1/4 in. thick. Push buttons made of moulded Bakelite . . . marked ANT, and GND, respectively.



Cat. No. 3282 **19c**
In Lots of 12, \$2.00 In lots of 50, \$7.50

"Cinch" Push-Button Post

Plain bakelite tops. Cat. No. 3283. Each **9c**
In Lots of 12, 95c In Lots of 50, \$3.50

6/32 Mounting Screw

Note the flattened sides—permits same to be bolted or riveted to a shield can, etc., for attaching same to a chassis. Length of thread: 3/8 of an diam. hole. Length of flat surface 3/8 of an. 1/2 in. Cat. No. 5397 **25c**
Per Dozen
In Lots of 100, \$1.50



H & H Long Shank "On-Off" Toggle Switch



Length of threaded neck, 1 inch. Excellent for insertion in thicker than usual panels, wood panels, etc.; 3 Amp., 225 Volts. 6 Amp., 125 Volts.

Cat. No. 1599..... **20c**
\$2.15 Per Dozen

Hart & Hegeman "On-Off" Toggle Switch

Popular the world over. Anchored (8 inches long), flexible and tinned leads. Heavy duty—rated at 3 Amps. 250 Volt! 9 Amps. at 110 Volt! 1 inch long, 3/8 inch length threaded shank.



Cat. No. 327..... **17c**
Lots of 12, \$1.90

Hubbell "On-Off" Toggle Switch

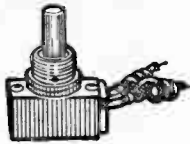


Resembles the above switch, Cat. No. 327, both electrically and mechanically—however, it is not equipped with flexible leads.

Cat. No. 6348..... **20c**
Per Dozen, \$2.00

Hubbell Rotary "On-Off" Shank Switch with Leads

Rated 3 amp., 250 volt, 6 amp., 125 volts. Equipped with 6 in. long flexible leads. 7/8 in. long threaded mounting shank, plus a 1/2 in. long, 1/4 in. diameter knob shaft. Extends 1/2 in. behind panel, 1 1/8 in. long.



Cat. No. 6349..... **25c**
Per Dozen \$2.65

Hubbell Rotary "On-Off" Shank Switch



Same as above, but not equipped with flexible leads, soldering lug terminals being used as a substitute.

Cat. No. 6350..... **23c**
Per Dozen, \$2.45

General Electric "On-Off" Rotary Toggle Switch

Bakelite housing. Rated: 1 amp. 250 V.; 3 amp. 125 V. 1 1/2 inches long, 3/4 inch behind panel. Half flattened shaft for perfect gripping of knob control. Knob not included. 5/8 inch long shaft.



Cat. No. 328. Each..... **16c**
Per Dozen \$1.80

Ultra-Compact "On-Off" Rotary Snap Switch



Rated 3 amps., 125 volts; 1 amp., 250 volts. Only 3/4 in. long, and extends but 1/8 in. behind a panel! Handsomely lacquered brass turnings and locking nut. Bakelite housing. Equipped with two 6 1/2 inch heavily insulated, tinned end leads.

Cat. No. 3271..... **19c**
In Lots of 12, \$1.95

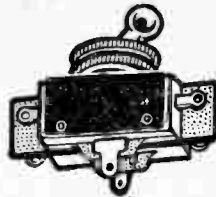
H and H Rotary "On-Off" Snap Switch

3 Amp., 225 Volts, with 15 inch Pig Tails—Note 1 1/4 inch Shaft.



Cat. No. 1598..... **25c**
Each \$2.75 Per Dozen

H and H Double Pole, Double Throw Toggle Switch



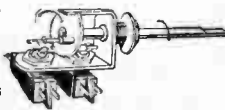
Ideal for Set Tester Equipment, Public Address Control Boards, and a Host of Other Valuable Purposes!

Overall length, only 1 1/2 in.; extends one inch behind a panel! Remarkably compact! This switch should at all times be at hand, due to its universal application possibilities. Rated: 1 amp. 250 volts; 3 amps., 125 volts.

Cat. No. 6351..... **60c**
Each.....
Per Dozen, \$6.45

H and H Double Action Combination "On-Off" and "Single Pole Double Throw" Toggle Switch

Excellent For Use With Mercury Rectifier Tubes!



Essentially, this model is the same in general characteristics as Cat. No. 3280, differing only in the actual manual operation. In this model, no "push-pull" motion is required, there being two definite snaps, to the right, or, two to the left. Overall length behind panel: 1 1/2 in. 3/8 in. long threaded sleeve. Overall Height: 1 3/4 in. 1 1/2 in. long shaft.

Cat. No. 3281..... **\$1.85**

H and H Double Action Combination "On-Off" and "Single Pole Double Throw" Push-Pull Toggle Switch



Excellent for Use with Mercury Rectifier Tubes!

Both switches are controlled by a common shaft, the operation of which independently adjusts either switch! The unit nearest the threaded mounting sleeve is of the single pole single throw variety, and is operated in push-pull fashion. On the other hand, the single pole double throw switch is operated in the usual toggle manner. Here is a typical application of this most unique switch: Turns on or off the A.C. line, and then permits either selection of Radio Tuner or Phonograph operation. Overall length behind panel: 2 1/2 in., 1 1/2 in. wide. Length of shaft: 1 1/2 in. Rated: 3 amps., 250 volts, 9 amps, 110 volts.

Cat. No. 3280..... **\$1.65**

H and H Double Pole Single Throw Toggle Switch

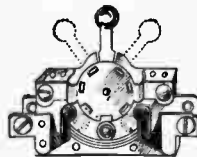
Ideal for switching on and off two separate circuits at the same time. 1 3/8 in. long, 1/2 in. deep. 1 Amp. 250 Volts, 3 amp., 125 Volts.

Cat. No. 3269..... **55c**
In Lots of 12, \$5.90



H & H Triple Contact Toggle Switch

In the accompanying illustration the lever is shown in the "second" position, a phantom view shows the lever at the "1st" and "3rd" settings. Ideal for switching on or off 3 circuits. Overall length 1 1/8 in.



Cat. No. 3276..... **\$1.15**
In Lots of 12, \$12.60.
Cat. No. 3276-A. S.P.D.T. Model, with Neutral Position. Resembles above illustration **\$1.55**

Hart & Hegeman S. P. D. T. All-Purpose Toggle Switch

Also Ideal for Long and Short Antenna; "Hi-Lo" Primary Voltage; Local-Distance Switch; Tone Control; Set and Tube Testing Equipment, etc.



1 1/2 inches long, 3/8 inch wide, 3/8 inch behind panel. Rated: 1 amp., 250 V.; 3 amp., 125 V. Fully Approved.

Cat. No. 2196..... **23c**
Per Dozen, \$2.49

Hubbell Shank Type S.P.D.T. Switch



Serves same purposes as Cat. No. 2196 switch, which it generally resembles. 1/2 in. long threaded shank, plus a 1/2 in. long, 3/4 in. diam. knob shaft. Extends 1/2 in. behind panel.

1 1/2 in. long. Cat. No. 6352. Each... **35c**
Per Dozen, \$3.95

Cutler-Hammer "On-Off" Rotary Snap Switch

2 3/8 in. long shaft. 12-in. leads. Squared off shaft.



Cat. No. 5432..... **45c**
Per Dozen, \$4.50

Cutler-Hammer S.P.D.T. and D.P.S.T. Rotary Snap Switch

Shaft is 1 1/8 in. long. Bakelite housing. Squared off shaft.

Cat. No. 7194..... **45c**
Per Dozen, \$4.50

Cutler-Hammer Push-Pull Switch

Rated: 1 Amp., 250 Volts or 5 Amps., 125 Volts. Bronze finished fittings. 3/8 in. long threaded shank. 1 1/8 in. long, 1 in. high.



Cat. No. 3268..... **30c**
In Lots of 12, \$2.95

H & H "Feed-Thru" Cord Switches



Although primarily intended for use in line cords connected to electric attachments, it is also ideal for insertion in line cords of receivers, power packs, power amplifiers. 2 3/8 in. long bakelite housing, 1 11/32 in. wide.

Cat. No. 3279..... **25c**
In Lots of 12, \$2.70

H & H "On-Off" Snap Switch

Note the generous size lever protrudes 1 1/2 in. above plate. "On" and "Off" are attractively engraved into the beautifully buffed plate, which measures 2 1/4 in. by 1 1/8 in. Rated: 3 amps., 250 V.; 5 amps, 125 volts.



The switch mechanism extends 1 in. behind the panel plate, and is 1 3/8 in. long. Cat. No. 3331..... **29c**
In Lots of 12, \$2.95

H. H. Momentary Switch

Resembles above switch in all respects, but the mechanism provides for a contact always being made—to "momentarily" break the contact, you throw the lever, and hold the pressure on the "off" side, as long as desired. Serves a host of uses! (Can be adjusted to remain in "off" position and momentarily be snapped into "on" position.)

Cat. No. 3332..... **39c**
In Lots of 12, \$3.95.

All-Purpose "Push-Button" Switch

Available In Two Models: Triple Pole - Single Throw and Double Pole - Double Throw with Single Pole - Single Throw Switch Combined



Extends 2 3/4 in. behind panel. 3/8 in. mounting hole required in panel. Furnished with neatly gold plated hexagon mounting nut and collar. All solder lug terminals are tinned—highest grade insulation used throughout. When pressure is released on push-button, same springs back.

Triple Pole - Single Throw Model

When push-button is pressed in, you have a choice of many possible combinations of make and break circuits.

Cat. No. 6364 **75c**

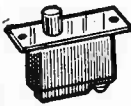
Double Pole - Double Throw with Additional Single Pole - Single Throw Switch Combined

When push-button is pressed in, three circuits are broken and two are made.

Cat. No. 6365 **65c**

Push Button "On-Off" Switch

Brushed silver finish mounting plate measures 2 1/4 in. long, 1 in. wide. Extends 1 1/4 in. behind plate, 3/4 in. wide. Terminal screw terminals. For heavy duty "make and break" circuits.



Cat. No. 6367 **25c**

General Electric Single Pole Double Throw Tumbler Switch



Rated: 3 Amp., 125 Volts; 1 Amp., 250 Volts. Equipped with brass terminal screws. Distance between mounting holes: 1 1/8 in. Extends 1 3/8 in. behind panel, 3/4 in. wide. Serves a host of valuable purposes, such as "Phono-Radio," "Long-Short" "Antenna"—"High-Low," etc., switching.

Cat. No. 6368 **30c**

Ass't'd H.&H. Bryant, Carling, Cutler-Hammer, etc.

Toggle-Snap-Momentary-Etc., Etc., Switches

A Switch for Every Purpose!

Due to the very low price at which these assortments are sold, we cannot select specific switches, as per your order—we scoop them up out of a well apportioned bin, and you will receive some of the switches shown in the illustration herewith, and others not shown. Suffice it to say, you will be fully pleased—if not, you have our authority to return the merchandise for full credit.



Cat. No. 5737 **\$1.95**

Ass't of 12 Switches **\$3.65**

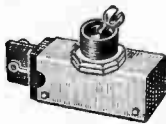
Cat. No. 5738 **\$3.65**

Ass't of 24 Switches **\$3.65**

Volume Control "On-Off" Switch

With Slot-Head for Cam Attachment

One hole mount. Rated 1 ampere, 250 volts; 3 amperes, 125 volts. Fully approved. 1 1/4 in. long, 3/8 in. long threaded shank.

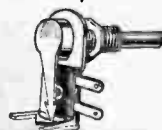


Cat. No. 5343..... **19c**

In Lots of 12, \$1.95

On-Off Snap Switch

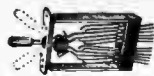
Noted for Its Unusual Short Throw!



Threaded shank 1/2 in. long, 3/4 in. shaft protrudes 1 1/2 in. therefrom. Height 1 3/8 in.—depth 1/8 in.

Cat. No. 5080. **10c**

Federal Anti-Capacity Switch



Choice of 6 Phosphor Bronze spring (D. P. D. T.), or 12 spring (four pole double throw). Equipped with highly polished nickel-plated face plate. Sturdy aluminum frame. Springs are of phosphor bronze, silver-plated for good conductivity. The cam arrangement is of the roller type, providing smooth and easy action. Excellent for use as radio and phonograph Change-over switch, also in Public Address, Motion Picture, etc., equipment.

Cat. No. 2201 **\$1.59**

6 Spring **\$1.89**

Cat. No. 2202 **\$1.89**

12 Spring **\$1.89**

Combination Single Pole Double Throw and Single Pole, Single Throw Roller Cam Jack Switch

Positive cam action, controlled by appropriate double springs. Note mounting plate and three distinctive setting of control knob. Extends 3 1/4 in. behind panel. Complete with bronze finished knob and mounting plate.



Cat. No. 5082 **65c**

Four Pole-Double Throw Roller Cam Switch



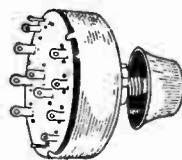
Sturdily constructed — all contacts are positively and uniformly made. Extends 2 3/4 in.

behind panel, 1 3/8 in. high, 5/8 in. wide. Finest insulation between leaves. Anti-capacity style construction. The many leaves permit the use of this switch to serve any number of switching requirements.

Cat. No. 6366 **95c**

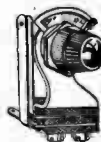
5 Position Double Pole (2 Circuit) Selector Switch for Speaker Channel Systems

A sturdy, compact selector switch that is ideal for use in installations where one radio speaker is desired to be used to bring in up to five different programs. Complete with Knob. A very useful item



Cat. No. 6369 **95c**

Yaxley "On-Off" Switch



Walnut bakelite knob. Phosphor bronze leaves, with Tungsten non-arcing and non-corrosive Contacts. Overall length 1 3/8 in. 5/8 in. deep behind panel, 1 in. long.

Cat. No. 5081 **23c**

Per Dozen \$2.25

Victor Automatic Phonograph Switch

Can be used with all electric phono. Motor turn-tables. Turns off contact when desired.

Cat. No. 6370 **15c**

Per Dozen, \$1.50

Bronze Finished Escutcheon Plate



Conceded to be the most exquisitely designed, embossed plates available. Dresses up any set—generally found on most expensive. Standard receivers!

FOR FULL VISION DIALS
Overall length, 5 1/4 in., 2 1/2 in. high. Total depth of window, 5/8 in. Length of dial window, 3 3/8 in., 5/8 in. high.

Cat. No. 2413..... **29c**

Combination Double Pole Double Position and Single Pole, Single Throw Jack Switch

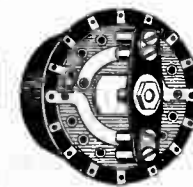
A very ingenious piece of mechanism—hundreds of uses will suggest themselves to any experimenter, set builder or serviceman. This jack switch contains 8 leaves, and "gold" plated hardware. Extends 3 in. behind panel. Highly nickle-plated springs and frame with Fan-tail, tinned terminals.



Cat. No. 3273..... **65c**

Rotary Bi-Polar Voltmeter Switches

14 Terminals—6 D.P., and 2 for Off Position



Furnishes 6 Active Positions! Consists of two, separately insulated rotary switches—ideal for home construction of testing equipment, meter multipliers, etc., etc. Single hole mount. Knob included. Diameter, 1 1/2 in. Extends 1 1/8 in. behind panel.

Cat. No. 5625. SINGLE POLE SWITCH, with 13 single contacts, and one common-terminal **59c**

Cat. No. 5626. TRIPLE POLE, DOUBLE THROW. (Two positions.) Excellent for short-wave and other applications. **88c**

Cat. No. 5627. DOUBLE POLE, TRIPLE THROW. (Three Positions.) Exceptionally useful! **88c**

Cat. No. 5628. BI-POLAR, 12 DOUBLE POLE POSITIONS **88c**

All of the above are equipped with a Small Arrow Knob and hexagon mounting nut

Cat. No. 2176.... **59c**

1-2 and 4 Gang Rotary Switches

An Absolute Necessity in the Construction of Test Equipment and P. A. Installations



Single Hole Mount. 3/4 in. diameter shaft. The shaft and mounting arrangements are fully insulated from any current carrying parts, thereby permitting you to ground the shaft, if so desired. Self-centering brush contacts. Furnished complete with a bakelite knob, mounting nut and bronze figured, walnut background metal etched Plate!

	Cat. No.	No. of Contacts	OUR PRICE
SINGLE POLE	4073	4	93c
	4074	7	\$1.05
	4075	9	\$1.10
BI-POLAR	4076	4	\$1.50
	4077	7	\$1.57
	4078	9	\$1.71
FOUR-POLE	4079	4	\$2.40
	4080	7	\$2.60
	4081	9	\$2.94

Bronze Finished Escutcheon Plate for Drum Dials



Overall height, 3 1/2 in., 2 3/4 in. width. Maximum depth of window, 3/4 in. Length of window, 1 3/8 in., width 3/8 in. Note arrow station indicator. Heavily and beautifully embossed.

Cat. No. 2414..... **25c**

Bronze Finished Escutcheon Plate for Spring Friction Drive Tuning Unit Dials

Tastefully embossed. Very compact, only 2 3/4 in. high, and 2 3/8 in. wide. Length of window, 3/4 in., height 3/8 in. Note arrow indicator.



Cat. No. 2415..... **15c**

Rider's Perpetual Trouble Shooters Manual

Volume No. 2



Contains 1000 Pages—
2000 Diagrams and
Layouts—Size 8½ x 11
—Weighs 6 lbs.—Loose
Leaf Style—

It will help you service at a profit. It will save time because you will not be called upon to trace the circuit of a receiver. You will not waste time trying to locate the units shown in the wiring diagram. You will not waste time guessing at the correct operating voltages, at the correct values of resistance and capacity—at all electrical values. Are you interested in having all the service information about commercial radio receivers? Then buy Rider's PERPETUAL TROUBLE SHOOTER'S MANUAL. It was prepared with the cooperation of Radio Receiver Manufacturers. In it you will find every bit of service information you require to work rapidly and accurately without any guesswork.

Volume No. 2
Cat. No. 6388..... **\$5.00**
Volume No. 1
Cat. No. 1850..... **\$4.50**

Rider's Popular Dollar Library

"SERVICING SUPER-HETERODYNES," 163 pages, 5" x 7".

Cat. No. 6389..... **\$1.00**

"RADIO SERVICE QUESTIONS AND ANSWERS," 160 pages, 5" x 7". Well illustrated. A storehouse of valuable knowledge.

Cat. No. 6390..... **\$1.00**

"PRACTICAL TESTING SYSTEMS,"

Cat. No. 6391..... **\$1.00**

"SERVICING RECEIVERS BY RESISTANCE MEASUREMENTS." Shows how to out removing the chassis. 160 pages, 5" by 7".

Cat. No. 6392..... **\$1.00**

"USEFUL RADIO TABLES." No theory—no charts... just brimful of valuable tables.

Cat. No. 6393..... **\$1.00**

"PRACTICAL RADIO REPAIR HINTS." 128 pages, 5" x 7".

Cat. No. 6394..... **\$1.90**



"Fundamental Principles of Radio"



64 pages, 6" x 9". Valuable information abounds throughout.

Cat. No. 6395..... **50c**

"FORMULAS AND RECIPES." Ideal for the practical man. Compiled by GERNSBACK. 64 pages, 6" x 9".

Cat. No. 6396..... **50c**

Listeners Official Radio Log Book

Contains complete listings of World Short-Wave Stations and regular broadcasting stations—15 to 550 meters. Police—Aeronautical—Relay and Telephone Stations—Aeroplane and Amateur Bands throughout the world, as well as regular broadcasting Stations in United States, Canada, Mexico, Cuba, and principal stations of the world. Cross tabulated by Call, Frequency, Location, and TIME of SHORT-WAVE BROADCAST. Also, World and American time-and-location maps—and other special features.

Cat. No. 6410..... **25c**



1932 Edition, Volume No. 2 Official Radio Service Manual



Compiled under the direction of Radio's greatest authority, Hugo Gernsback, Editor, "Radio-Craft."

With FREE Supplements Flexible, Loose-Leaf Leatherette Cover

Brings to the radio trade practically every radio diagram conceivable of which there is any record, including latest diagrams of testing equipment and midjet radios.

Not a single diagram which appeared in Volume I has been reprinted.

There are blank pages included throughout the book so that notes and sketches can be made if desired. A coupon page entitles the owner to have his questions answered free by a staff of radio engineers. The Manual contains over 1,000 pages, with six supplements of 64 pages or more, mailed free every 60 days to owners for one year. Contains over 2,000 diagrams. Printed in loose-leaf fashion—flexible cover. Size 9" x 12".

Cat. No. 6397. Volume No. 2 **\$4.00**

Radio Service Man's Handybook

With Addenda Data Sheets
Published by "Radio-Craft"

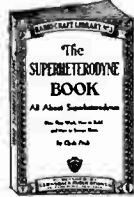
This book contains a tremendous amount of important data of every kind—several hundred diagrams, charts on every conceivable subject pertaining to radio sets, tubes, etc. The book contains authentic material and practical information.

This book is supplied in loose-leaf form, 200 pages, over 100 diagrams, 9 x 12 inches, with a special 48-page section of special ledger paper, square ruled on both sides, for your data. Cat. No. 6398..... **\$2.00**



"Radio-Craft" 50c Library Series

These books are all newly written, and contain information not only authentic in substance, but up-to-the-minute, as well! All these books contain 64 pages each, measuring 6 x 9 inches, and average between 50 to 120 illustrations in each book. They are bound in stiff board covers!



"THE SUPER-HETERODYNE BOOK—All About Super-Heterodynes," by Clyde Fitch. How they work—how to build and how to service them. Cat. No. 6399..... **50c**

"RADIO SET ANALYZERS AND HOW TO USE THEM." No serviceman should be without this really valuable book. Cat. No. 6400..... **50c**

"MODERN VACUUM TUBES" AND HOW THEY WORK." By Robert Hertzberg. **50c**

"MODERN RADIO HOOK-UPS." An extremely valuable book. Send for your copy at once. Cat. No. 6401..... **50c**

"HOW TO BECOME A RADIO SERVICEMAN." Cat. No. 6402..... **50c**

"BRINGING ELECTRIC SETS UP-TO-DATE." Brimful of timely and valuable information. Cat. No. 6403..... **50c**

"RADIO KINKS AND WRINKLES—FOR SERVICE MEN AND EXPERIMENTERS." Cat. No. 6404..... **50c**

"RADIO QUESTIONS AND ANSWERS." Cat. No. 6405..... **50c**

"AUTOMOBILE RADIO AND SERVICING." Cat. No. 6406..... **50c**

"HOME RECORDING AND ALL ABOUT IT." Cat. No. 6407..... **50c**

"RADIO QUESTIONS AND ANSWERS." Cat. No. 6408..... **50c**

S. Gernsback's Radio Encyclopedia

Second Edition



This book is the new edition of the famous First Radio Encyclopedia by S. Gernsback, the first book of its kind ever published in America. Over 39,000 copies of the first edition were sold. This large volume, bound in heavy, flexible covers, with loose-leaf arrangement, provides a gold mine of information on all things radio. Replete with circuits, explanatory diagrams of all kinds, drawings, photos and

charts; it deals with the various phases of radio in a manner that has been kept as non-technical as is consistent with clarity and accuracy. It gives you an explanation of every word used in radio. These explanations—or, rather, definitions—are not brief outline information like those of an ordinary dictionary, but they give in fullest detail, and at considerable length, the meaning and application of every word, phrase, general and special term used in the science of radio. There are 2,201 Radio Definitions, 1,253 Technical Illustrations, 34 Tables and Charts, 24 Pages of Appendix, 352 Pages, 9 x 12 inches. The book is of loose-leaf construction with red morocco-keratol binding; the contents printed on strong ledger paper. Cat. No. 6409..... **\$3.25**

How to Build and Operate Short Wave Receivers Heavy Board Cover

The book has been prepared by the Editorial Staff of SHORT WAVE CRAFT, and contains a wealth of material on the building and operation of Short wave receivers and short wave converters. Dozens of short wave set circuits will be found in this book which contains hundreds of illustrations; actual photographs of sets built, hook-ups and diagrams galore. The book measures 7½ x 10 inches, and contains over 160 illustrations, 76 pages.



Cat. No. 7206 **50c**

"Radio News" Radio Trouble Finder—Service Manual



Ever have your radio fail when a big program was on? That's when the New Radio Trouble Finder and Service Manual is worth its weight in gold! It tells you what to do, and do quickly in order to find and repair the trouble. 8½ x 11½ in. 100 pages. Cat. No. 2706..... **50c**

"Radio News" 1001 Radio Questions and Answers

Everything you want to know about radio is in it, from "How to Kill Outside Radio Noises" to a clear description of the newest tubes and how to use them. If you have a question on radio, here is your answer and a thousand more. 8½ x 11½ in. 100 pages. Cat. No. 2707..... **50c**

"Radio News" Short Wave Manual

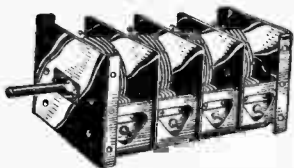
Brings you up-to-the-minute data on all the newest short-wave circuits. Replete with illustrations, diagrams and full-size blueprints. A highly valuable book. 8 in. x 11½ in. 100 pages. Cat. No. 2703..... **50c**



Radio Amateur's Handbook

Sometimes called the Radio Amateur's Bible. Includes How-to-Build articles, with complete instructions and diagrams; new radio wrinkles, D X hints, data on the new tubes, and helpful, money-saving ideas for the radio man. 8½ x 11½ inches. 100 pages. Published by "Radio News." Cat. No. 2704..... **50c**

Precise HIGH SHIELDED .00035 Mfd. Variable Condensers



Spacing of .130 in. between the stator and rotor blade centers, the material in the blades being .032 in. special hard sheet aluminum. Each rotor assembly is provided with a split blade for taking care of any variation of circuit capacity. On each partition is riveted a contact wiper for each individual rotor assembly. This wiper is provided with an extension for making direct ground contact. The case of the condenser is so drilled and arranged that it may be mounted to three points on the bottom or either side. The bearings are of the ball race type which makes a very smooth action. The shaft diameter is 3/8 in. The compensator capacities for the .00035 and .0005 Condensers have a variation from 1 mmf. to 30 mmf. The capacities stated on the Precise Condensers of .00035 and .0005 do not include the compensating capacity, but include the minimum capacity of the condenser unit. The adjustment of the variable element of the compensator is at ground potential. The high shield plates are tapped in 3 places on each end. Overall dimensions: 4 1/2 in. long, 3 3/4 in. high. The lengths vary as follows: 1 Gang, 1 3/4 in.; 2 Gang, 3 3/4 in.; 3 Gang, 5 3/8 in.; 4 Gang, 6 7/8 in.; 5 Gang, 8 3/8 in. The minimum capacity of the 350 mmf. sections is 18 1/2 mmf.; and the minimum capacity of the 500 mmf. sections is 23 mmf.

Cat. No. 3437. SINGLE SECTION .00035 mfd... **\$1.25**

Cat. No. 3439. TWO GANG .00035 mfd.... **\$2.15**

Cat. No. 3441. THREE GANG .00035 mfd.... **\$2.75**

Cat. No. 3443. FOUR GANG .00035 mfd.... **\$3.40**

Cat. No. 3445. FIVE GANG .00035 mfd.... **\$6.75**

SHORT WAVE MODEL
Cat. No. 6012. TWO GANG .00014 mfd.... **\$2.45**

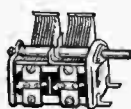
Super-Heterodyne Models

Similar to above described, differing only in that one of the sections is designed as an "Oscillator Tracker!" The balance of the sections are .00035 mfd.

Cat. No. 5881. THREE GANG, including one "tracker" section **\$2.95**

Cat. No. 5882. FOUR GANG, including one "tracker" section **\$4.65**

Scovill Two Gang .00036 Mfd. Brass Plate Variable Condenser



The die stamped framework, and mechanically and electrically perfect bearing construction assure maximum rigidity and constancy of capacity setting.

The brass plates are soldered to associate cross members, insuring no losses. A one inch long, 3/4 in. diameter shaft is included, as is convenient mounting features. Length, 3 3/8 in. (less protruding shaft); 3 3/4 in. wide. **89c**

Cat. No. 7163 **89c**

Chelton Miniature Condensers



Excellent for Short-Wave Reception, Aerial Trimmers and General Neutralizing or Compensating Applications!

Single hole mount. Aluminum frame, firmly embedded brass plates. Keep a few of each size always on hand—they are extremely useful. Complete with highly nickle plated lever. Complete with knurled knob. Extends only 1 1/8 in. behind panel—1 3/8 in. diameter.

Cat. No. 3411. 9 Plates ... **30c**
Cat. No. 3412. 13 Plates ... **30c**
In Lots of 6, deduct 5%. In Lots of 12, deduct 10%. In Lots of 50, deduct 15%.

Precise Miniature Condensers



A Laboratory Product!

The favorite of all short wave and super-heterodyne set builders, and experimenters in general. Of rugged construction, simple and compact, the Microcondensers operate with velvet smoothness and make possible the most delicate balancing of circuits. Made entirely of brass. Low minimum capacity.

Cat. No.	Capacity	No. Plates	
3415	10 mmf.	3	.95
3416	30 mmf.	5	\$1.04
3417	55 mmf.	11	1.08
3418	100 mmf.	19	1.29
3419	135 mmf.	23	1.45

In Lots of 6, deduct 10%.

De Jur-Amsco Multi-Purpose Midget Miniature Variable Condensers



One hole mounting. Brass plates. Extremely compact.

Cat. No.	No. Plates	Capacity in Mfd.	
3413	7	.00025	69c
3414	13	.00005	95c
7157	23	.0001	\$1.19

SPECIAL SHORT-WAVE MODEL
Cat. No. 7158
Two Gang .00014 mfd... **\$1.95**
In Lots of 12, deduct 10%.

De Jur-Amsco "Varitor"



The Ideal Intermediate Frequency Dual Tuning Condensers

Maximum Capacity: 70 micro-microfarads
Minimum Capacity: 4 micro-microfarads
One of the finest "peaking" condensers ever built. Mounted on a 1/4 in. thick Isanolate base, 2 in. diameter. All metal parts highly nickle plated. When used in conjunction with any standard wound I. F. transformer it constitutes a completely tuned Intermediate Stage; peaking range from 150 to 2000 kilocycles. Offers micrometric adjustment.

Cat. No. 2309 **59c**
Single "Varitor" Unit

Ideal as "tracking" condenser of oscillator to detector, or wherever a "no-loss" condenser is required.

Cat. No. 3401 **49c**

Four Gang .00035 and .0005 Mfd. All-Brass Condensers

Made for Stromberg-Carlson by SCOVILL



Each rotor section can be separately adjusted along the main driving shaft, by virtue of two case hardened steel set screws which "bite" into the shaft. Solid brass frame and plates! Three tapped screw holes are in the base, for ready and convenient mounting. A powerful spring band wiping contact is provided for each rotor section. Overall dimensions: 10 in. long, 3 1/2 in. high, 4 in. wide, with all sections totally unmeshed. Diameter of shaft, 3/8 in. May be turned down to 1/4 in. diameter. Cat. No. 3429. .00035 mfd. **79c**

Cat. No. 6045. .0005 mfd. **\$1.35**

Hammarlund Triple Condenser Compensator Unit



3 Hammarlund compensators mounted on a bakelite strip, 6 1/2 in. long, 5/8 in. wide. They are 2 3/8 in. apart. 4 mounting holes are provided in the bakelite. Extremely useful—always have a few on hand! (May be sawed apart.)

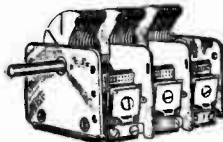
Cat. No. 3436 **35c**
In Lots of 6 **\$1.95**
In Lots of 12 **\$3.65**

Hammarlund Equalizer

Maximum Capacity: 100 mmfd.
Ideal for compensating tuned grid and plate circuits, and for general neutralization purposes. Mounts direct to one of the terminals to which it will be connected. Cat. No. 1971 **12c**



Premier Supreme Quality .00037 Mfd. Variable Condensers



Low Minimum Capacity—000013 MF—a very desirable feature, and which few possess. **Maximum cap. .00037 MF.** Shielded between sections—rigid construction—positive electrical contacts. Trimmers—rigid and "stay put" after adjusted. Bearings—self aligning—smooth as silk action. Best Materials—aluminum plates—brass shaft—cadmium plated steel—Bakelite insulation. Size—2-gang—fully open 3 1/2 in. wide, 2 3/4 in. long, 3 in. high; 3-gang—4 in. long. Most compact made. Universal Mounting—for chassis—panel or on end bracket.

Cat. No. 6013. Single Unit **75c**

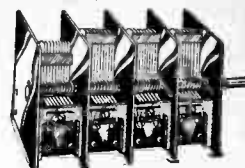
Cat. No. 5480. 2 Gang **\$1.00**

Cat. No. 5481. 3 Gang **\$1.40**

Cat. No. 5482. 4 Gang **\$2.25**

SHORT WAVE MODEL
Cat. No. 6014. Two Gang .00014 mfd... **\$2.10**

De Jur-Amsco Super-Heterodyne Oscillator "Tracking" Condensers



Makes possible the co-axial mounting of the condensers tuning the oscillator, pre-selector and first detector stages, with the composite tuning arrangement so arranged that the oscillator will track at a given frequency above the pre-selector and first detector circuits at a frequency equal to the resonant frequency of the i-f amplifier—in present day broadcast receivers, 175 kilocycles. Eliminates the cost of extra fixed and semi-variable condensers and, in some designs, two additional resistors. Such now useless padding arrangements are, in many instances, a compromise and an approximation, the discrepancy between the desirable and actual capacities being more than ten micromicrofarads. This discrepancy varies at different dial positions, resulting in a distorted sensitivity curve and poor reception at certain points.

Makes the adjustment of the oscillator section as simple as that of the selector circuits, with exactly the same degree of accuracy readily obtained in a t-r-f receiver. The four gang unit is 5 1/2 in. long, 3 1/2 in. wide, 4 1/2 in. high. 3/8 in. diameter shaft. Each section is equipped with individual compensators, and the end rotor plates are slit for more minute adjustments over the entire band. Can be mounted on its side, base or front plate—grid connections can be made from the bottom or top. Cat. No. 3447. 2 Gang .00036 mfd. **\$2.00**
Cat. No. 3448. 3 Gang .00036 mfd. **\$3.00**
Cat. No. 3449. 4 Gang .00036 mfd. **\$4.00**

T. R. F. Models—00036 Mfd.
Each section is identical, and is ideal for use in ANY tuned radio frequency circuit.

Cat. No. 6027. 1 Gang **\$1.05**

Cat. No. 5477. 2 Gang **\$1.75**

Cat. No. 5478. 3 Gang **\$2.50**

Cat. No. 5479. 4 Gang **\$3.25**

TWO GANG .00014 MFD. SHORT WAVE MODEL

Cat. No. 6028 **\$2.15**

Micrometric Adjustable Variable Grid Leak-Resistance

Range Zero to 100,000 Ohms

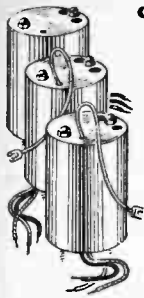


EXCELLENT FOR USE WITH THE NEW WUNDERLICH AND 55 TYPE TUBES

Consists of a five inch long threaded shank which is insulated from the actual electrical mechanism, preventing body effects in highly sensitive grid circuits. Serves many applications—indispensable in the laboratory! Absolutely NOISELESS in operation—nothing to wear out!

Cat. No. 6036 **95c**

Super-Heterodyne Tuned Grid-Tuned Plate Intermediate Frequency Transformers



Standard Model is Laboratory Peaked at 175 K. C.—Models Also Available Peaked at 125, 450 and 500 Kilocycles!

A high grade rigidly constructed I. F. unit peaked at 175 kilocycles. The unit is tuned with a 70-140 MMFD variable condenser on an isolantite base, and has a gain of 142. The inductances are of lattice wound type mounted on a dehydrated waxed wood form and suspended across a mounting bracket holding both the coils and the trimming condenser as one unit separate from the shield, which can be removed without disturbing the unit assembly.

The unit is readily adjusted from the top of the receiver and full length R.M.A. Color Coded leads are provided to facilitate installation. The overall dimensions of the unit mounted in an aluminum shield are $2\frac{1}{2}$ " O.D. x 3" deep. It is suggested for best results that you use at least one loosely coupled Transformer, and the remaining I.F. units should be tightly coupled. Each unit is contained in an attractively finished shield, which is bolted to a chassis by means of protruding threaded pillar posts. Cat. No. 2299. Complete, loosely coupled 175 K. C. I.F. Transformer, with metal disc between primary and secondary.

Cat. No. 2300. Complete, tightly coupled 175 K.C. I.F. Trans. High Gain!

Cat. No. 3398. Complete, tightly coupled 175 K.C. I.F. Trans., High Gain, for coupling to any tube with its grid terminal located on the base of the tube, such as a 227 type.

Center Tapped Secondary Winding I.F. Unit for DUAL DETECTION CIRCUITS

Ideal for use with Wunderlich, RCA 55, and similar tubes, or for dual detectors of the conventional type. Tightly coupled.

Cat. No. 6091. **\$1.95**
BLUE PRINTS—Showing above I. F. units as used in a complete A. C. Receiver 50c

Use These Two Essential Coils to Build a Four Gang Band Pass Filter SUPER-HETERODYNE Receiver!

"Super-Het" Preselector Antenna Band Pass and R.F. Coil

The secondary windings of both coils are of space wound construction to insure uniformity. The antenna primary winding is of high impedance type and very stable for use with long and short aerials. It is customary to mount the preselector in a horizontal position on the chassis without additional shielding. The coil is $1\frac{1}{4}$ " O.D. and $5\frac{3}{4}$ " long. **95c**

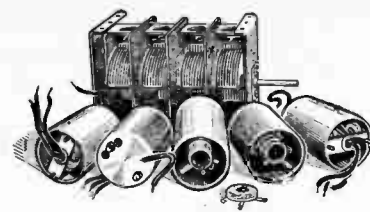
"Super-Het" Detector, Oscillator, and Mixing Coil

A solenoid enamel wound coil for use in a four gang Super-Heterodyne circuit in conjunction with the coil above described. The wire is space wound to provide uniform capacity and inductances. No primary is provided on the unit itself but it is intended for use with a 4 millihenry choke and 15 MMFD coupling condenser as an impedance coupled primary circuit. The coil is 4" long and $1\frac{1}{4}$ " O.D. and is intended for use without shielding. Designed to produce a heterodyne frequency of 175 K.C. when tuned by a .00036 mfd. variable condenser. **\$1.25**

Cat. No. 2302.
 Cat. No. 7156. 4 Milli henry Choke **45c**
 Cat. No. 6092. **45c**
 15 MMFD Coupling Condenser

BLUE PRINTS of Complete SUPER-HETERODYNE Receiver, Using Above Coils 50c

Super-Heterodyne R. F. and I. F. Essential Kit Construct Your Own 10 K.C. "Single Spot" Tuning Band Pass Preselector Super-Het Receiver! Can Be Used with All Types of A.C. and D. C. Tubes



Shielding of the universally mountable, litz wire wound coils permits any placements of these parts, without fear of any oscillation difficulties presenting themselves—makes this kit of especial value to any novice! This shielding also prevents extraneous pick-up, further adding to its all-around selectivity and sensitivity. The incorporation of a band pass filter assures maximum selectivity, even if you operate a "super" built from these parts immediately adjacent to a powerful broadcast station. The oscillator "tracker" section in the 4 gang condenser greatly simplifies the construction and final adjustment of a "super"—in fact, considerably better and more stable performance is assured by its use! The 3 I.F. Units are laboratory peaked at 175 K.C. Please specify which type of tubes you will employ in the "Super-Het" Tuner to be built

List of Parts Furnished:
 1—Cat. No. 3449. Four Gang High Shield .00036 Mfd. Super-Heterodyne Oscillator, Tracker Model, Variable Condenser.
 1—No. 2299 Loosely Coupled 175 K.C. I.F. Unit.
 2—No. 2300. Closely Coupled 175 K.C. I.F. Units.
 1—No. 5576. Band Pass Preselector Antenna Coil—Shielded.
 1—No. 5579. Detector, Oscillator and R.F. Coupling Coil—Shielded.
 1—No. 6096. 22 Millihenry R.F. Filter Choke.
 2—Fully Descriptive and Detailed Blue Prints. from these essential parts, and we will furnish a recently compiled blue print fully applicable thereto.
 Cat. No. 5705. Complete as described and illustrated. **\$10.25**

(NOTE: If you desire to employ a DUAL DETECTION CIRCUIT, 2nd detector, please specify and add \$2.50 to your remittance!)

SPECIAL INDUCEMENT:

With each order for one of these kits, we will include absolutely FREE John Rider's authoritative book entitled "How to Service and Build Super-Heterodyne Receivers!"

Use These Two Essential R. F. Coils (Available Also in Shielded Form) To Build a Four Gang Band Pass Filter SUPER-HETERODYNE RECEIVER.

Super-Heterodyne or R. F. Band Pass—Preselector—Litz Wire Wound, Even Gain Antenna Stage
 Super-Heterodyne "Translator" R. F. and Detector-Oscillator Coupling Coil



Ideal for "Supers" or Highly Selective Tuned R. F. Receivers!

The preselector coil is commonly used as a band pass unit in conjunction with a four gang Super-Het. circuit, and is composed of the above antenna coil, and an interstage secondary only linked together by an over-all sleeving. Length $4\frac{1}{2}$ in., diameter $1\frac{1}{2}$ in. ($\frac{7}{8}$ in. O. D. of tubing. Requires a .00036 Mfd. Condenser.) **90c**

Cat. No. 5576.
 Cat. No. 5576-A. Same, enclosed in an Aluminum Shield **\$1.15**
BLUE PRINTS of Complete SUPER-HETERODYNE RECEIVER in which the above two coils are employed 50c



An assembly of two separate coils end to end, secured by an overall sleeving. The detector R. F. section is identical in construction to Cat. No. 5580 Interstage coil, and the oscillator section is a two bank Litz wire secondary, and a plain solenoid tickler winding. For use with Super-Het. Variable condensers, with special oscillator tracking section, the secondary inductance value being of correct relationship to each other to "track" uniformly at a difference of 175 K. C. across the broadcast band. Requires a .00036 mfd. condenser $\frac{7}{8}$ in. O. D. x $\frac{4}{8}$ in. in length. Universal mountings. **90c**

Cat. No. 5579.
 Cat. No. 5579-A. Same, enclosed in an Aluminum Shield **\$1.15**

Super - Heterodyne Combined 175 K.C. I. F. Transformer, and Separately Shielded Oscillator Coil



Utilizes ONE TUBE (any screen grid type!) as a Combination First Detector and Oscillator Thereby Obviating the Necessity of TWO TUBES!

Phantom View of Interior
 Can be used with a 2 Gang .00036 Mfd. Condenser, and only one additional 175 K.C. unit, plus an audio circuit, to construct a complete super-heterodyne Receiver! (Special Blue Print of such a receiver, 50c!)
 The oscillator section is a tapped bank wound "Litz" winding with a pick-up coil over the outside of the secondary winding. Enclosed in an effective shield, $2\frac{1}{8}$ " diameter x $3\frac{1}{8}$ " high. Sub panel mounting feature.

Cat. No. 6097. **\$1.75**

550 K. C.—Self-Tuned—High-Gain—Litz Wire Wound—Remarkably Compact — Screen Grid—I. F. Transformer and Shielded Plate Choke



Ideal for Use in Super-Heterodyne ALL-WAVE and SHORT-WAVE Receivers

A combination of a self-tuned bifilar transformer peaked at 550 K.C. and a detector plate choke coil which finds popular use as an additional Radio Frequency stage in 4-5-6 tube receivers both for home use and automobile sets. Since no external tuning is required the only additional expense involved is for the Assembly itself and extra tube. Single hole mounting. Height: $1\frac{1}{2}$ in., Diameter, $1\frac{1}{2}$ in. Explanatory Diagram Included

Cat. No. 5570. **55c**

"Super-Het" and T.R.F. Lattice-Wound Chokes



Wound on a moisture-proof treated cylinder, with $\frac{1}{8}$ in. diameter mounting bushing. Connections are brought out to lugs riveted to a bakelite plate. Overall dimensions: 1 in. diameter, $\frac{5}{8}$ in. high.

Cat. No. 6093. 1. Millihenry. For Short Wave Set Application **42c**

Cat. No. 6094. 4.25 Millihenries. For General Purpose R. F. Choke. **45c**
 Cat. No. 6095. 8.8 Millihenries. For Detector Plate and all screen grid tube circuits. **51c**
 Cat. No. 6096. 22.0 Millihenries. For High Frequency Filter Circuits. **53c**

Antenna — Band Pass Pre-selector Coil Litz Wire, Lattice Wound



Considerable attention was given to the type and spacing of the winding to keep the distributed capacity as low as possible. The form is dehydrated wax maple and has a .106 hole in one end for mounting to the chassis with a 6/32 machine screw. The coil is used as a band pass for Super-Het. circuits. The unit has a high impedance antenna primary, and is stable in operation. Extremely compact. Overall length, 2 1/4 in., diameter, 1 1/2 in.

Cat. No. .5571..... **45c**

"Telerad" High Gain Removable Cover Shielded R.F. Coils

For All Screen Grid Circuits Employing 222, 232, 234, 236, 224, 235, 551, '57, '58 Tubes!



Equipped with a High Loading Impedance to Match the Plate Impedance of All Screen Grid Tubes!

Model With Protruding Lugs
Cat. No. 3234-3235

Ultra Compact Coil, measuring 3/8 in. in diameter, by 2 inches long. The enamel wire primary is wound around the enamel wound secondary, insulated further by heavy gauze Empire cloth. The terminal lugs protrude 3/8 in. beneath the mounting base, which is screwed and bolted to the chassis. The aluminum cover, measuring 2 1/8 in. in diameter by 2 3/4 in. long, can be removed at will from the base holding the coil itself. Complete with two 6/32 mounting screws, riveted to the base. Range: 200 to 550 meters, providing a .00035 (or .00036) mfd. variable condenser is employed.

Model with Non-Protruding Terminal Lugs

In general construction these coils resemble the above, described with the following exceptions: the bakelite tubing measures 1 in. in diameter by 1 1/2 in. long. Holes are provided in the base, for insertion of terminal leads, which do not interfere with the ready removal of the aluminum shields.

Cat. No. 3234. Antenna Coil, 55c
Cat. No. 3235. R. F. Coil.
Cat. No. 3236. Antenna Coil.
Cat. No. 3237. R. F. Coil.. Each



View showing Shield Covers removed.

Cat. No. 3234-3235



Cat. No. 3236-3237

"Conoid" Shielded Compact High Gain R. F. Coils



Remarkably Compact Only 2 1/8 in. diameter, 1-9/16 in. deep

For All Types of Tubes! Extremely sensitive and selective—furnished complete in a soft copper shield. Winding is self-supporting—

Here Are Two Essential Coils for Building A Three Gang Condenser SUPER-HETERODYNE RECEIVER

Combination DETECTOR and OSCILLATOR COIL



This coil, and its associate member on the right, have that inert order of efficiency that obviates the necessity for employing shielding around them. The bakelite tube is threaded with an 88 pitch thread with a space gap for adjusting inductance. Enamel coils wound on threaded tubing have a very uniform distributed capacity which facilitates set phasing. The tube is assembled with double end soldering lugs and has an overall dimension of 1 1/4 in. O. D. x 4 3/4 in. long. Requires a .00036 mfd. condenser.

Cat. No. 6079..... **95c**

High Impedance Primary Antenna Coil



Solenoid type, wound with enamel wire on a threaded bakelite tube with a gap space in the secondary winding for adjusting same to accurate inductance standards. The primary is a high impedance type, the inductance of which is exceptionally high, and distributed capacity low, due to the very narrow winding.

The bakelite tube is assembled with double end lugs and is 1 1/4 in. O. D. x 2 5/8 in. long. Requires a .00036 mfd. condenser. **85c**

Cat. No. 6080..... **85c**

Blue-Print for Complete Receiver 50c

Two Coils for Building a Three Gang Cond. MIDGET "Super-Het" Receiver

"Teleradio" Ant. Coil

Equipped with High Impedance Antenna Winding



Designed for All Tubes

Enamel space wound on a 3/8 in. diameter bakelite tube, 1 1/8 in. long. Range: 200 to 550 meters, with a .00036 mfd. variable condenser. Extremely compact! Cat. No. 3408 **49c**

"Teleradio" Super-Heterodyne Oscillator, Mixing Coil and R. F. to Detector Coupling Coil

Designed for All Tubes



This coil will most efficiently produce a heterodyne frequency of 175 K.C. when tuned by a standard .00036 mfd. variable condenser. Enamel wire space wound on a 3/8 in. diameter bakelite tube, 4 in. long. Note the convenient mounting brackets. The most compact coil assembly of its kind! Cat. No. 3407..... **\$1.25**

Blue-Print for Complete Receiver... 50c

High Gain Shielded R. F. Coil



Equipped with a High Loading Impedance to Match Plate Impedance of All Screen Grid Tubes

For maximum performance of any type screen grid tube, a high loading plate impedance must be employed. A special inductive and capacitive coupling coil is wound at the far end of the secondary winding. This two piece aluminum shield mounts above or below a chassis by virtue of a protruding 6/32 screw. Overall length, 2 3/4 in., 2 1/8 in. diameter. A hole is provided in the top for a screen grid connection. For .00036 Mfd. Con. Range 200-500 meters. Cat. No. 5567. **39c**

R. F. Coil Cat. No. 5567-A. Antenna Coil. (Equipped with High Impedance Antenna Winding!) **49c**



Litz Wire High Gain Bank - Wound Screen Grid R. F. and Antenna Coils

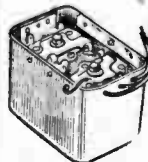


Ideal for Variable "Mu" and all other Screen Grid Tubes

The Secondary has a very low, direct current resistance, and the primary is of very high impedance, thereby making it very Sensitive and Selective. Equipped with mounting screws. Wound on bakelite tubing. 1 1/2 in. diameter, 2 3/4 in. long. For .00036 mfd. condensers. Range: 200 to 550 meters.

Cat. No. 2325-A. For all screen grid tubes in R. F. **75c**
Cat. No. 2325-B. For all other type tubes in R. F. **75c**
Cat. No. 2325-C. Aluminum Shield Model **90c**

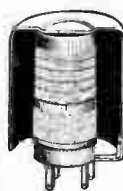
Majestic 175 K.C. Super-Heterodyne I.F. Unit



Furnished Complete with Two Padding Condensers

Housed in a compact aluminum case, 3 in. long, 2 1/2 in. wide, 2 3/8 in. tall. Heavily shielded. Has four vari-colored flexible lead terminals. Cat. No. 6081..... **75c**

Shielded Compact 175 to 550 Meter Litz Wire Wound High Gain Bank Wound R. F. Coils For All Types of Screen Grid Tubes!



Phantom View of Interior

A coil requiring a mounting space of only 1 1/2" in diameter and 2 1/4" high with screw lugs provided for mounting the entire assembly, either above or below the chassis, in exactly the same space and holes as that of the standard 1 3/4" tube socket die.

Considerable research work was done to derive the best possible combination of coil length, diameter and shield reactance.

The secondary is bank wound, with Litz wire, resulting in a coil of exceptionally high gain (62.5 at 1,500 kilocycles and 42.5 at 550 kilocycles). The low RF resistance, due to the bank wound "Litz" wire, extends the range of the unit and with any good condenser of correct minimum a band from approximately 1,700 kilocycles (police signal) to 550 kilocycles can be effectively tuned, using a .00036 Mfd. condenser. FULLY SHIELDED! Equipped with standard sub-panel mounting threaded pillars.

Cat. No. 5566. Antenna } **48c**
Cat. No. 5566-A For R. F. } each
Stages

Secondary Center Tapped for WUNDERLICH, RCA type, and for similar type DUAL DETECTOR USE.

Cat. No. 5566-C. **85c** Fully Shielded!

Peerless High Gain Dual Impedance Primary R. F. Coils



Wound on 1 1/4 in. diameter Bakelite forms, 2 1/2 in. long. Range 200 to 550 meters, with a .00036 Mfd. variable condenser. Equipped with a loading impedance primary (within coil form) and a coupling impedance primary, wound on top of and at one end of secondary winding. Cat. No. 6082. Set of 4 Coils..... **95c**

3 Circuit Tuner and R. F. Coil



An old-timer, but a true friend! Still a popular seller—has survived them all! The regenerative detector circuit is known for its sure-fire D-X reception! Compactly made. Bakelite tubing. One hole mount. True running tickler. Range 190 to 590 meters.

Cat. No. 2327. 3 circuit tuner. For .00035 mfd. cond..... **95c**
Cat. No. 2328. R. F. coil. For .00035 mfd. cond..... **65c**
Cat. No. 2329. 3 circuit tuner. For .0005 mfd. cond. **\$1.10**
Cat. No. 2330. R. F. coil. For .0005 mfd. cond..... **70c**

With These Three Coils Listed Below, You Can Construct a Three Gang Condenser Tuned SUPER-HETERODYNE Receiver, Wherein the R. F. Circuits of the Antenna, Detector and Oscillator Tubes Can Be Individually Shielded, Offering More Complete Controllable Coupling Either by CAPACITIVE Method or by INDUCTIVE Coupling Method, Due to Their Separately Constructed Units!

All-Purpose Compact, Litz Wire Wound, Even Gain Antenna Coil



Two bank wound on a bakelite coil form 3/4 in. O. D. x 2 3/4 in. long. It has a lattice wound primary on a collar which slips over the secondary winding and is peaked properly to prevent

detuning the antenna stage by variations in antenna lengths. The complete ring is provided to prevent loss of energy at the higher frequencies and facilitates in the phasing of the antenna with the interstage.

Adaptable for use as an antenna stage for tuned R. F. or Super-Heterodynes. Universal mounting. Requires .00036 Mfd. Variable Condenser.

- Cat. No. 5575. **55c**
- Cat. No. 5575-A. Same, enclosed in Aluminum Shield **75c**

All Purpose R. F. and Super-Heterodyne Even Gain Inter-stage R. F. Coil—Bank Litz Wire Wound

Wound on a 3/4 in. O. D. x 2 3/4 in. long bakelite coil form. The primary winding is of high impedance lattice wound type placed at zero coupling inside the secondary form and peaked at approximately 550 K. C. to provide increased signal strength at that point of the band. Equipped with a low loss mica coupling condenser between the plate and grid terminals to improve the 1500 K.C. signal strength, this providing a uniform amplification gain across the entire broadcast band. Bank wound Litz wire plays an important part in the gain of impedance coupled R. F., and the extreme sensitivity obtained in receivers employing these coils has made them very popular for midget and automobile sets as well. Universal mount. Covers 200-550 Meters with a .00036 Mfd. Condenser.



Cat. No. 5580. **55c**
 Cat. No. 5580-A. Same, enclosed in Aluminum Shield **75c**
 Cat. No. 5580-B. Provided with Center Tap, for Dual Detection Circuits. Shielded **\$1.45**

Compact Super-Heterodyne Oscillator Coil

For 200-600 Meter "Supers"



For use in circuits requiring a shielded oscillator unit. The coil is wound on a 3/4 in. O. D. x 2 1/4 in. long bakelite tube having a silk covered solenoid tickler winding and a pick-up, or cathode winding, space wound over the entire length of the bank wound secondary on a sleeve. Termination of all leads are made to double end soldering lugs, and coil is provided for horizontal mounting in an aluminum shield can. Requires a .00036 Mfd. Condenser. **55c**

- Cat. No. 5577. **55c**
- Cat. No. 5578. Same, enclosed in an Aluminum Shield **75c**

BLUE PRINTS of Complete Super-Heterodyne Receiver Utilizing These Coils, 50c.

Compact 175 K.C. Super Heterodyne Intermediate Frequency Unit

Designed to Operate Efficiently With All Types of Tubes



Retaining much of the efficiency of its larger brothers, this unit boasts of unusual compactness—only 2 1/4 in. tall, 1 1/2 in. diameter. Terminal screw mount. R.M.A. Color Coded Flexible Leads. Padding condenser control through top of zinc alloy shield. Splendid for use wherever space is at a premium. On this page, we list suitable three gang condenser tuned antenna and oscillator detector mixing coils. **90c**

- Cat. No. 6384. Each **90c**

High Gain—Litz Wire Wound—Screen Grid—175 K. C. Super-Heterodyne I. F. Unit



Phantom View of Interior

A Generously Proportioned Piece of Apparatus

Coupled together at optimum by correct angle of rotation. Trimming condensers are 70-140 Mmfd. and have a capacity of approximately 85 Mmfd. when the unit is peaked at 175 K. C. The unit is housed in an aluminum shield 2 1/2 in. O. D. x 3 1/2 in. high, to which lug screws are attached for mounting the complete assembly. The unit is adjustable from the top and has full length installation leads. **\$1.50**



- Cat. No. 5569. **\$1.50**

Honeycomb Coils

Ideal for broadcast and long wave lengths. Listen in on trans-oceanic telephony. "Read" the latest press bulletins as the news comes flashing over from all parts of the world.



Cat. No.	No. Turns	Milhenries Inductance	Appx. Length with .001 Mfd.	Our Price Un-mounted	Price Mounted
3238	25	.040	170-375	\$.50	\$1.25
3239	35	.075	200-515	.50	1.25
9240	50	.15	240-730	.65	1.30
3241	75	.3	330-1030	.80	1.35
3242	100	.6	450-1460	.85	1.40
3243	150	1.3	660-2200	.70	1.45
3244	200	2.3	860-2850	.80	1.55
3245	250	4.6	1120-4000	.85	1.60
3246	300	6.5	1340-4500	.95	1.70
3247	400	11.	1860-6300	1.15	1.90
3248	500	20.	2340-8500	1.30	2.10
3249	600	30.	2940-12000	1.45	2.25
3250	750	65.	3100-15000	1.60	2.40
3251	1000	100.	5700-21000	1.90	2.80
3252	1250	125.	5900-21000	2.20	3.10
3253	1500	175.	7200-25000	2.50	3.40

In lots of 6 coils (assorted, if you wish) deduct a 30% discount.

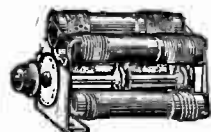
Triple Honeycomb Coil Mounting

Holds primary, secondary and tickler coils. Use with above coils. Genuine bakelite. Cat. No. 3255



- \$4.45**

10 to 200 Meter SUPER-HETERODYNE SHORT WAVE COILS and Four Position Wave Length Switch



Ideal for Building Your Own Super-Heterodyne Short-Wave Converters and Receivers. Consists of a sturdy aluminum bracket, with mounting shelf, 3 in. long, 2 1/2 in. high. Bolted thereto is a No-

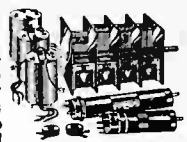
Loss Triple Switch Assembly rotated by a common Bakelite Shaft, with a slot running through it, to engage the three switch levers concurrently. The various contacts are therefore made and broken precisely at the same moment.

Permits the immediate selection of the following Short-Wave Bands: 10 to 20 Meters, 20 to 40 Meters, 40 to 80 Meters and 80 to 200 Meters . . . No coils to change . . . No changes in circuit required!

The coil inductances themselves are wound on High Grade Insulation Tubing which is supported and held together by rigid bus bars, forming both a mechanical as well as an electrically perfect connection! Both silk covered and appropriately spaced enameled wire are employed, precision wound, of course. The bakelite shaft is fitted with an attractive Bakelite knob, and a suitably embossed wave-band selection plate, for mounting on the front panel, completes the assembly of this most unique apparatus. Remarkably Compact. Over-All Dimensions: 4 1/2 in. long, 6 3/8 in. deep, and 4 5/8 in. high. Requires a 2 Gang .00014 Mfd. Variable Condenser. **\$3.45**

- Cat. No. 7201. Complete: 4 Coils, Switch, Escutcheon, Knob, Aluminum Frame. **\$3.45**
- Cat. No. 7202. SPECIAL OFFER! Cat. No. 7201 and a HAMMARLUND 2 GANG .00014 Mfd. Vari. Cond. **\$6.25**

Screen Grid Super-Heterodyne Coil Kits Equipped with a Amsco-De Jur Three Gang .00036 Mfd. Variable Condenser with Oscillator "Tracking Section"



A boon to all set builders, experimenters, and dealers, who have been "aching" to build a real "super." Possesses unlimited pick-up range—extreme sensitivity and selectivity, tremendous gain per stage, with no R.F. distortion incidental to side-band cutting. The antennae coil contains a highly inductive primary, and an R.F. coil. The oscillator coil consists of a mixing coil, oscillator and R.F. coil of such design as to produce a beat frequency 175 K.C. off the carrier frequency. Three Factory aligned 175 K.C. I.F. Transformers, and accurately matched coils, assure 100% simplicity of construction and positive efficiency of performance. Two R.F. chokes (lattice wire wound) are also included, one for the R. F. Plate and the other for the B plus lead, as a filter.

Any Lay-Man Can Now Build a Real "Super"—No Elaborate Test Equipment Required!

The very latest in super-heterodyne condenser construction is included, the "tracking" section not only eliminating the critical stator to grid series condenser, but also permitting any layman to now construct a "super" without the necessity of costly laboratory test equipment. For ultra-efficiency, and to compensate for the variations all along the broadcast range caused by long and irregular leads, the end rotor plates are slit in such a manner, as to make each end plate serve as five individually adjustable micro-metric tuning condensers! Each condenser section is further under your control by virtue of the self-contained and individual compensating condensers. Note the extremely valuable electrostatic "high" shield plates between each section! A set of fully explanatory and detailed BLUE PRINTS is included. **\$7.45**

- Cat. No. 6785. Complete Kit. **\$7.45**

"COAST-TO-COAST" Ultra Precision Wound 175 K.C. Super-Heterodyne I.F. Units



Especially Designed for Use with the Latest RCA 58 Triple Grid Super Control Tubes . . . Can Also Be Used with Any Other Type of Tube as Well!

Laboratory peaked precisely at 175 K.C. If further adjustment is necessary, same can be effected through the top of this apparatus. Special center tapped secondary model available for use with R.C.A. 55, Wunderlich or for Dual Detectors. Equipped with R.M.A. color coded flexible leads, AND WIRING DIAGRAM. For use in "Super-Het" circuits employing a 3 or 4 gang variable condenser—please refer to the various combinations of other necessary R.F. Coils, such as Cat. Nos. 6080, 6081; 3407, 3408; 2301, 2302; 5575, 5577, 5580, etc. Contained in an aluminum, sub chassis mounting shield, with protruding threaded pillar posts. Compact in size, measuring: 3 in. diameter, 2 1/2 in. tall.

Blue Print of Complete "Super-Het" Receiver Included Gratis!

Cat. No. 7203. Complete, loosely coupled 175 K. C. I.F. Transformer, with metal disc between primary and secondary. **\$1.75**

Cat. No. 7204. Complete, tightly coupled 175 K.C. I.F. Trans. High Gain! Each **\$1.75**

Cat. No. 7205. Center Tapped Secondary Winding I.F. Unit for DUAL DETECTION CIRCUITS. Ideal for use with Wunderlich, R.C.A. 55, and similar tubes, or for dual detectors of the conventional type. **\$1.95**

Kurz Kasch Vernier Port Dial

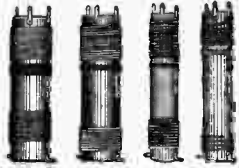


4 inch diameter. Popular the world over. Moulded bakelite. No gears. No backlash. Fits 1/4 in. diam. Shafts. Ratio 100 to 1. **59c**

- Cat. No. 6200. 4 in. diameter. **59c**
- Cat. No. 6201. 2 1/2 in. diameter. **49c**

SHORT WAVE FANS: Exclusively use the Apparatus Listed Below to Construct the Most Efficient SUPER-HETERODYNE SHORT WAVE RECEIVERS and CONVERTERS!

"Coast - to - Coast" Short Wave 10 to 200 Meter Super-Heterodyne Coils



Covers The Entire Short-Wave Band: 10 to 20 Meters, 20 to 40 Meters, 40 to 80 Meters and 80 to 200 Meters!

Wound on 4 3/8 in. long bakelite tubing in accordance with latest stage of perfection attained in short-wave low loss construction. The windings are automatically air-spaced, and are of highly enameled structure. The terminal lugs are appropriately placed, with a view to cut down all losses. The 10 to 20 meter, and 20 to 40 meter coils are wound on 7/8 in. diameter tubing, and the 40 to 80, and 80 to 200 meter coils are wound on 1 1/4 in. diameter tubing. These coils require a two gang .00014 mfd. variable condenser.

10 to 20 Meters **50c**
 Cat. No. 6031.

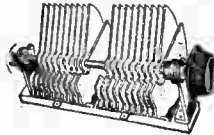
20 to 40 Meters **60c**
 Cat. No. 6032.

40 to 80 Meters **70c**
 Cat. No. 6033.

80 to 200 Meters **70c**
 Cat. No. 6034.

SPECIAL INDUCEMENT
 When these 4 coils (10 to 200 meters) are purchased at ONE TIME. Your Total Net Cost Is **\$1.95**
 Cat. No. 6035.

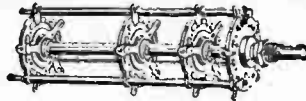
Hammarlund Isolantite Low-Loss Base Two Gang .00014 Mfd. Midget Variable Condenser



Ideal for Use in Super-Heterodyne Short-Wave Converters or Receivers

Vibration proof construction. Their small size, high ratio of minimum to maximum capacities, low losses and accurate construction indicate the condensers use for broadcast tuning condensers, intermediate frequency tuning condensers, antenna tuning condensers, wave traps, compensating or vernier condensers, regeneration and neutralizing condensers, as well as for laboratory and test equipment in general. Soldered non-corrosive brass plates, heavy aluminum end plates, and accurately fitted bearings assure positive and permanent capacities at all settings; noiseless brush type four point wiping contact eliminates objectionable inductive reactance; split bushing lock for fixed frequency work, lowest loss insulating material, provisions for both panel and base mounting, and elimination of all screws and nuts, everything being either soldered or riveted. Equipped with a 5/8 in. diameter shaft—protrudes 1/2 in. from the 3/8 in. long threaded sleeve. Overall length: 3 in. behind panel, 2 in. wide with plates unmeshed, 2 1/2 in. high. Cat. No. 5268. **\$2.82**

Short-Wave Automatic Wave-Length Selection Switches



Available In Two Models, One Covering 10 to 200 Meters—The Other Covering 10 to 600 Meters.

Consists of either three or four bakelite discs, onto which is firmly fastened either four or five contacts—an insulated shaft mechanism engages these contacts, providing the selection desired. Durably constructed—no lost motion or tendency to develop noisy contacts. Excellent for use in public address speaker distribution and general switching applications. Over-all length, 5 1/4 inches, plus 1/4 in. length of 3/4 in. diameter shaft. Single hole mount feature. 2 1/2 in. diameter—knob, and escutcheon plate included.

Cat. No. 5267. 3 Pole, Four Tap Model **\$1.75**

Cat. No. 5657. Four Pole—Five Tap Model. Permits you to utilize One Switching Arrangement, in preference to employing two switches, one to cover the selection of wave bands between 10 to 200 meters, and the other being employed solely to switch the antenna from the short wave converter to the aerial post on the 200 to 550 meter broadcast receiver. This One Switch Serves the Same **\$3.25** Purpose!

"Coast-to-Coast" Short Wave 10 to 200 Meter Super-Heterodyne Coils and Automatic Wave-Band Switch Unit

Combines Cat. No. 6035 Super-Heterodyne (S.W. Coils) and either Cat. No. 5267 or Cat. No. 5657 Switch Unit Described in Detail on the Left.



Ideal for Building Your Own Super-Heterodyne Short-Wave Converters and Receivers. Consists of a sturdy aluminum bracket, with mounting shelf, 3 in. long, 2 1/2 in. high. Bolted thereto is an automatic wave length selection switch as described on this page. An attractive Bakelite knob, and a suitably embossed wave-band selection plate, for mounting, on the front panel, completes the assembly of this most unique apparatus. Remarkably Compact **Over-All Dimensions:** 4 7/16 in. long; 6 3/8 in. deep, and 4 1/2 in. high.

Cat. No. 5262. Complete as illustrated, equipped with a Cat. No. 5267, 3 Pole, 4 Tap Switch, but less Two Gang .00014 Mfd. Variable Condenser. RANGE: 10 to 200 Meters **\$3.95**

Cat. No. 5263. Same as Cat. No. 5262 above, but equipped with a Hammarlund Two Gang .00014 Mfd. Midget Variable Condenser, mounted on one frame, if desired **\$6.75**

Cat. No. 5661. Same as Cat. No. 5262, but equipped with a Cat. No. 5657 4 pole, 5 tap 10 to 600 meter Wave Band Selection Switch. **\$5.95**

Cat. No. 5662. Same as Cat. No. 5661, but equipped with a Hammarlund Two Gang .00014 Mfd. Midget Variable Condenser (Cat. No. 5268), mounted on one frame, if desired **\$8.75**

"Coast-to-Coast" 10 to 200 Meter Super-Heterodyne Short-Wave Coils and Automatic Wave Band Switch

Ideal For Assembly of Short-Wave Converters and Receivers—



Obviates Use of Plug-in Coils! Consists of two coils, one coil being tapped at 70 meters. The single pole, double throw toggle switch included therefore gives you a choice of two wave bands, namely, 10 to 70 meters and, 70 to 200 meters. Either the oscillator coil alone need be tuned by a .00014 mfd. variable condenser (the detector coil then remaining untuned), or, both coils may be tuned by a two gang .00014 mfd. Variable Condenser—the latter method is of course more desirable. Double cotton covered wire wound on bakelite forms, 1 1/4 in. in diameter, 2 1/2 in. high.

Cat. No. 5732. Detector Coil, Oscillator Coil and S. P. D. T. Toggle Switch and Diagram. **\$1.45**

Bank Litz Wire Wound, Long Wave R. F. Coil

A very recent development in coil winding for long wave transformers or any application requiring large inductance values. Banked four deep, producing a coil of exceptional efficiency for tuning at frequencies lower than the broadcast band. Range 550 Meters to 1200 Meters with a .00035 Mfd. Condenser; up to 2000 Meters with a .001 Mfd. Condenser. Length: 2 1/2 in. O. D., 1 1/4 in. mounted in a shielded can. **95c**
 Cat. No. 5581.



Litz Wire Wound Loading Coil

Finds application as a long wave loading coil, when used in series with broadcast coils to extend the band to include the long wave lengths or can be used with a tightly coupled primary as an R. F. transformer for the lower frequencies. **49c**
 Cat. No. 5572.



Low-Loss Coil

Especially made for tuned radio frequency work. It is completely air wound, and has no dope or cement to keep the wires together; the entire winding is held together by means of waxed string. To keep the set from oscillating, a special aperiodic primary is wound in the center of the secondary, which gives best results. To be used with 17-plate or .00035 mfd. condenser. This coil is used for wave lengths between 200 and 550. Total diameter 3", width 1", 1/8" thick. **15c**
 Cat. No. 6036.



Lattice Wound Chokes

Wound on a moisture-proof treated cylinder, with 1/2 in. diameter mounting bushing. Connections are brought out to lugs riveted to a bakelite plate. Overall dimensions: 1 in. diameter, 1 1/2 in. high.

Cat. No. 3402. 1. Millihenry. For Short Wave Set Application. **20c**
 Our Price

Cat. No. 3403. 4.25 Millihenries. For General Purpose R.F. **20c**
 Choke. Our Price

Cat. No. 3404. 8.8 Millihenries. For Detector Plate and all screen grid tube circuits. **25c**
 Our Price

Cat. No. 3405. 22.0 Millihenries. For High Frequency Filter Circuits. **25c**



Low-Loss Ribbed Form Bakelite Short Wave and Television Plug-In Coils

Covers Range 10 to 200 Meters

Can Be Plugged Into Any UX Type Socket

Low loss construction assures maximum sensitivity and selectivity, insuring extreme long distance reception. Each coil form is separately colored, for ready identification. Requires a .00014 mfd. Variable Condenser. Explicit and thorough wiring diagram included.

Cat. No. 6043. Per Set of 4 Coils **\$2.49**

Cat. No. 6044. Broadcast Coil. (200 to 500 Meters) **\$1.45**



"Coast-to-Coast" Short-Wave Plug-In Coils

Consists of four coils, covering uninterrupted range of 14 to 220 meters, with a .0001 Mfd. variable condenser. Note generous size finger rings, moulded of bakelite—a simple matter indeed, to readily remove these coils, when moving from one wave band, into another. Fits all U. X. four prong sockets. Wound on bakelite forms. Wave bands plainly indicated on each coil. **\$1.47**
 Cat. No. 2332.



Set of Four Short-Wave Plug-In Coils

Accurately wound, on moulded bakelite tubes, which terminate at one end into a conventional U. X. socket; can be plugged into any 4-prong tube socket—a very valuable feature! Wound with Litzendraht wire. Cover following ranges: 10 to 30 meters, 29 to 58 meters, 54 to 110 meters, 103 to 225 meters. Use with a .00014 mfd. variable condenser. A big seller! Per Set of 4 Coils. **\$1.95**
 Cat. No. 1296.



Broadcast Band Plug-In Coil

For use with above Short Wave Coils. Increases range of receivers, from 200 to 600 meters, with a .00015 mfd. variable condenser. **85c**
 Cat. No. 2331.
NOTE—Cat. No. 1296 Coils and Cat. No. 2331 Coil available together for **\$2.59**.

Radio Frequency Chokes

Contained within black bakelite cylindrical cases, 1 in. x 1 1/2 in. Equipped with two soldering lugs. One hole mounting feature. Sectionally wound on impregnated spools.

Cat. No. 6037. 2.5 Milli'ries **59c**

Cat. No. 6038. 3.4 " " each

Cat. No. 6039. 10.0 " " each

Cat. No. 6040. 30.0 " " **69c**

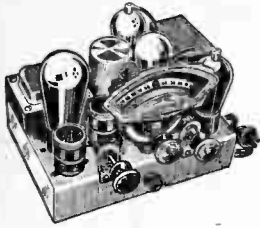
Cat. No. 6041. 60.0 " " each

Cat. No. 6042. 80.0 " " each



Semi-Assembled or Factory Wired
4 Tube "Coast-To-Coast" Jr. Model Super-Heterodyne 15 to 200 Meter Short Wave "Booster Converter" and Broadcast Receiver Antenna Amplifier

Tubes Required: 1-57, 1-58, 1-56, 1-'80
Valuable Features



Very compact, the chassis measuring 9 in. long, 6 1/2 in. deep, 6 3/4 in. tall. The range of 15 to 200 meters is available in two steps of 15 to 70 meters, and 70 to 200 meters, by means of a toggle switch. No Plug-In Coils Being Required! A high ratio vernier illuminated full vision dial permits microscopic tuning adjustments. Another switch controls the A. C. Power Supply, and automatically connects the antenna to either this short-wave converter, or to the 200-550 meter receiver—no wires to change! Over-size air cooled A. C. Power transformer is used, on self-contained A. C. Models. Constructed

upon a rigid, nicely plated steel chassis.

Employs Full Wave 280 Tube Rectification

Does Not Use a 227 Type Rectifier!

We do not approve of 227 tube rectifiers, with one side of the A. C. line actually dangerously being an integral part of the chassis itself—not only are the results extremely mediocre derived from using a 227 Half-Wave rectifier (passing only 110 volts, which is Not sufficient!), but there is always that possibility of danger. No wonder then that we have incorporated in our design the safe and jolly reliable 280 Rectifier.

Self-Contained Unique Antenna Pre-Amplifier Serves Dual Purpose

A clever switch arrangement permits the 57 tube (and associated booster circuit and apparatus) to serve as an antenna booster and pre-amplifier to either this short-wave converter itself But Also to Any T. R. F. or Super-Heterodyne 200 to 550 meter Broadcast Receiver, to which the converter may be coupled. In other words, even while you are tuning in stations from 200 to 550 meters, the booster circuit and tube in the converter is serving a vitally valuable purpose! Antenna impulse pre-amplification actually makes audible otherwise some inaudible signals, emanating from the most distant points!

Universally Adaptable to All Makes and Types of 200-550 Meter Receivers—Available With or Without Self-contained A. C. Power Supply, and Can Be Used With All Types of Tubes, Including Any Battery Operated Type!

Chassis Only—Without Self-Contained A. C. Power Supply—Model "C-53"

Please stipulate type of tubes you wish to employ
 Cat. No. 5584. Semi-Assembled..... **\$7.50**

Cat. No. 5585. Factory wired..... **\$10.50**

Chassis Only—With Self-Contained A. C. Power Supply—Model "C-54"

Cat. No. 5586. Semi-Assembled..... **\$10.60**

Cat. No. 5587. Factory wired..... **\$13.50**

Cat. No. 5588. Set of 4 Cunningham Tubes **\$3.33**
 (1-57, 1-58, 1-56, 1-'80)

"Coast-to-Coast" 10 to 200 Meter Plug-In Super-Heterodyne Short Wave Coils



Covers the Entire Short-Wave Band: 10 to 20 Meters, 20 to 40 Meters, 40 to 80 Meters and 80 to 200 Meters!

Ideal for building your own Super-Heterodyne Short-Wave Converters and Receivers. Are wound on Bakelite Tubing. Both silk covered and appropriately spaced enameled wire are employed, precision wound. Designed for use with 2 gang .00014 mfd. variable condensers. All connections from the coils are brought down to six prongs, which can be inserted into any **SIX PRONG SOCKET**. Length of coils, above prongs, 4 1/2 in. Individual Shielding of these coils is not necessary. The "dyed-in-the-wool" Radio Amateur and experimenter will always prefer the good "old-fashioned" **PLUG-IN COILS**—considerably greater efficiency and fewer losses are assured by their use.

Cat. No. 6931. 10 to 20 Meters **95c**
 Cat. No. 6932. 20 to 40 Meters **95c**
 Cat. No. 6933. 40 to 80 Meters **97c**
 Cat. No. 6934. 80 to 200 Meters **95c**
SET OF FOUR COILS \$3.45
 Cat. No. 6935.....

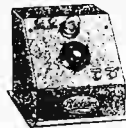
Litz Wire Bank-Wound—Ultra Efficient and Compact Antenna and R. F. Coils

Designed for All Tubes—

A series bank wound coil of the pyramid type, by virtue of which winding, wire of large cross section is wound into a very short space, producing a secondary of low resistance and high inductance. The primary is a high impedance type, lattice wound, peaked at the 550 kilocycle edge of the broadcast band, producing increased signal strength at that frequency. A tertiary capacity winding of three turns at the grid end of the secondary improves signal strength at the 1,500 kilocycle frequency. The coil is entirely impregnated in wax to prevent moisture absorption and is readily mounted by inserting a 4-36 screw thru the center hole provided. The inductance is of correct value to tune the broadcast band (200-550 meter) when used with a .00036 Mfd. variable condenser. Ideal for use where space is at a premium. Only 1 1/4 in. diameter by 1 1/2 in. long!
 Cat. No. 2326. For either Antenna or R. F. Stage **45c**
 Use



"Coast-to-Coast, Jr." Crystal Set



An efficient receiving set which will receive broadcasting loud and clear and will bring happiness to all its listeners. The front panel is of a beautiful modernistic design in gold and the cabinet is in black leatherette. This set has eye appeal and can back up its good appearance with equally good results.

Cat. No. 5178. **\$1.77**

"Pre-Test" Crystal

Selected Natural Mineral. Packed in glassine envelope—no dust or grease has been permitted to mar their ultra sensitivity.



Cat. No. 5180. **25c**

Improved Crystal Set



Designed to give most efficient results and possessing unusual selectivity. Built with a tapped coil matched with a .00035 Mfd. variable condenser. Will bring in one station after another and will tune out all other stations. The reception is loud and clear without distortion or other noises. Contained in a beautiful cabinet with a panel of modernistic design. On the panel is a dial for tuning and logging stations, two double posts to take two pairs of headphones, and a dust proof glass enclosed crystal detector which includes Supersensitive Crystal.

Cat. No. 5179. **\$4.99**
 Extra Special.....

Isolantite 4-5-6 Prong Low Loss Coil Forms



Isolantite is specified for use in the finest laboratory instruments, being the finest type of insulation material for low loss and short wave work. Supplied with a handle for easy insertion. Note the low-loss rib construction. Length of form 3 in. Diameter, 1 1/2 in. with a 2 1/2 in. winding space.

Cat. No. 7160. 4 prong.. **45c**

Cat. No. 7161. 5 prong.. **55c**

Cat. No. 7162. 6 prong.. **65c**

Vari-Colored 4-5-6 Prong Bakelite Ribbed Coil Forms



Use in conjunction with any standard 4, 5 or 6 prong tube socket. Low-loss, 8 ribbed "Air-Core" construction assures maximum efficiency. Extended ridge on top permits easy removal of forms, without touching the windings. Overall diameter, 1 1/2 in., winding space length, 2 1/2 in.

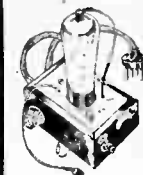
Choice of following colors: Brown, Black, Orange, Red or Green.

Cat. No. 7159. Four Prong **23c**

Cat. No. 6021. Five Prong **33c**

Cat. No. 6022. Six Prong **43c**

"Coast-to-Coast" Police Thriller—Short Wave Adapter



80 to 200 meters on any broadcast receiver made possible! What a Thrill to get Police Calls and perhaps witness a Daring Robbery or pick up some other event which never appears in print! Can easily be attached to any radio set without the necessity of changing any wiring in the set! Has a self contained Regeneration Control. This model can be used with sets using any type detector!
 Cat. No. 6727..... **\$1.95**

Bakelite Moulded Plug-In Coil Forms



Available in Choice of 5 Colors and with 4-5 or 6 prongs.

For Short Wave or Broadcast Band Coils. Contacts of coil forms fit into any standard 4, 5 or 6 prong socket. Colors—Black, Brown, Green, Blue, Red and Orange. Please state colors desired.
 Cat. No. 3256. **15c**
 With 4 prongs (U.X.), each **17c**
 With 5 prongs (U.Y.), each **19c**
 With 6 prongs, each.....

Universal Type Detector 80-200 Meter Short Wave Adapter

Can Be Attached to Any Make Receiver Enabling Reception of Police Calls, Amateurs, Television and Code Signals!



The plug furnished is inserted into your present detector socket, and the tube from that socket is inserted into the socket in this adapter. An effective and valuable oscillation control is assuring maximum provided,

sensitivity and performance. A handsome bakelite case, 3 1/4 in. x 3 1/4 in. x 1 1/4 in. houses this adapter.

Cat. No. 5717. **\$2.95**

"Rainbow Color Coded" Bakelite Coil Forms



A colored ring encircling these durably constructed forms permits ready identification, of wave-length band. Incidentally, this ring projects from the winding surface, to provide easy removal of the form from the socket. The winding surface available is 2 in. long, 1 1/4 in. diameter.

Choice of Red, Yellow, Green, Blue

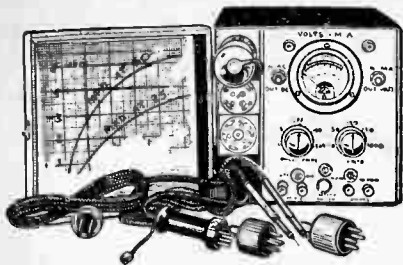
Cat. No. 6023. Four Prong **17c**

Cat. No. 6024. Five Prong **18c**

Cat. No. 6025. Six Prong **23c**

"Coast-to-Coast" Weston Meter Equipped Portable Laboratory Set and Tube Analyzer

Tests All Latest Series of Tubes Including Six Prong Types



1000 OHMS PER VOLT WESTON METER USED!
Makes Ten Vital Tests—Rivals the Performance of Much More Costly and Bulkier Set Analyzers and Tube Testers!

- TEST NO. 1: D. C. Volts, 1000-500-250-50-10-5.
- TEST NO. 2: A. C. Volts, 1000-500-250-50-10-5.
- TEST NO. 3: D. C. mls., 100-20-5-1.
- TEST NO. 4: A. C. mls., 0 to 1.
- TEST NO. 5: Ohms, 0 to 10,000.
- TEST NO. 6: Ohms, 0 to 100,000.
- TEST NO. 7: Capacity, .0001 to 6 mfd. in two ranges.
- TEST NO. 8: Frequency, 10 to 100 cycles.
- TEST NO. 9: Tube Tester.
- TEST NO. 10: Complete Set Analyzer.

And All This Comprised Within 8 3/4 in. x 8 3/4 in. x 4 3/8 in.! A Triumph of Modern Radio Engineering Skill!

Wire wound 1% Accurate Precision Resistors are employed! Two 10 M. A. Precision Fuses offer 100% protection. Two rugged rotary switches provide the various Volt and Milliammeter ranges. A special switch gives a choice of either A. C. or D. C. readings. To further insure protection to this instrument, a Safety Push-Button Switch is provided. Another switch gives Ohmmeter readings, and still another switch gives a choice of either 0 to 10,000 Ohms or 0 to 100,000 Ohms. And then another switch permits accurate Mfd. Capacity Measure

ments, the 110 volt A. C. line being employed for this purpose. To insure absolute constancy of the Ohmmeter (Calibrations, a unique and valuable Bridge Circuit is incorporated, further aided by a Rheostat which compensates for any drop in voltage in the self-contained "C" battery.

Makes Every Possible Test on Any Make Or Any Type of Tube!

There are provided 4, 5 and 6 prong sockets, with individually removable links on each prong circuit, permitting the following tests: Plate Current, Grid Current, Screen Grid Current, Rectifier Plate Currents, Emission Grid Tests (indicates amplification factor). To accomplish this, the test plug (with a Grid Cap for screen grid tube stages) is inserted into the socket in the receiver from which the particular tube under test was removed. The Tube and Set Analyzer Test Plug is of the 6 prong type, and is furnished with both 4 and 5 prong adapters.

Makes Every Possible "Trouble Shooting" Test!

In reality, while this remarkable instrument is serving as a TUBE TESTER, it also serves as a SET ANALYZER, recognizing no superior! Due to the readily accessible removable links on the tube testing panel sockets, the test prods can make contact with every one of the tube elements, thereby making possible the following voltage readings: Plate to Filament, Plate to Cathode, Plate to Grid, Screen Grid to Filament, Screen Grid to Cathode, Grid to Cathode, Space Charge Grid, Pentode Grid, Filament Voltages, Rectifier Plate Voltages (A.C. and D.C.), Filament to Chassis, Grid to Chassis, Plate to Chassis, Etc., Etc., Etc.

Furnished Complete With Following Accessories:

Highly Insulated Test Cables and Prods, with readily removable phono. needle contacts; Seven wire extension cable with 6 prong Test Plug and 4 and 5 prong adapters; Calibration Charts; Full Instructions, Etc. These accessories can be stored within the roomy compartment beneath the socket panel.
 Cat. No. 5555, Complete, Fully Assembled and Wired - ready for immediate use! **\$39.50**

"Coast-to-Coast" Portable Volt Ohmmeter

Employs a WESTON Model 301 1,000 Ohms Per Volt Meter and Precision Wire Wound Resistors!

Range: 0-10-50
 -250-1000 Volts
 D.C.; 0 - 10,000
 Ohms and 0-100-
 000 Ohms.



Reads resistances from 0 to 100,000 ohms, by merely throwing the toggle switch provided. Another toggle switch controls the resistance scale reading, reducing it from 0 to 100,000 ohms, down to 0 to 10,000 ohms. This supreme unit is furnished with a Weston meter, pair of test prods with removable needle contacts and self-contained "C" battery. A special Bridge Circuit and adjustment is provided for compensation of possible voltage drop in the 4 1/2 volt "C" battery, assuring Permanent Accuracy! Enclosed in a durable and handsome metal case, measuring only 5 in. long, 6 7/8 in. wide, **\$19.50** 4 7/8 in. tall. Cat. No. 2455. Cat. No. 2455-A. Same, but housed in an attractive leatherette carrying case with hinged cover and handle **\$24.50**

"Coast-to-Coast" A.C. and D.C., 1000 Ohms Per Volt Voltmeter and Dual Range Weston Meter Equipped Ohmmeter

Ranges: A.C. and D.C. Volts:
 1,000-250-50-10.

Ohms: 0 to 10,000 and 0 to 100,000

Guaranteed Accuracy of Meter: 2% of full scale! 1% Accuracy Wire Wound Precision Meters are employed. The meter and copper oxide rectifier are fully protected by two 10 M. A. fuses. A rheostat and a valuable bridge circuit maintains absolute accuracy of the resistance calibration, despite any possible drop in voltage of the self-contained "C" battery. Reads resistances from 0 to 100,000 ohms, by merely throwing the toggle switch provided. Another toggle switch controls the resistance scale reading, reducing it from 0 to 100,000 ohms, down to 0 to 10,000 ohms. A third switch offers a choice of either A. C. or D. C. voltage readings. Furnished with a pair of highly insulated test prods, with removable phono. needle contacts. Enclosed in a handsome compact metal case, measuring 5 in. long, 6 7/8 in. wide, **\$26.50** 4 7/8 in. tall. Cat. No. 5552. Cat. No. 5552-A. Enclosed in Leatherette carrying case **\$31.50**

"All-Test Purpose" Weston Meter Equipped Radiometer

Fulfills the necessary requirements of every Radio Engineer, Service Man, Technician, Retail Store or Service Bench

This instrument serves as an ohm-meter, capacity-meter, inductance-meter, output-meter, A. C. voltmeter, A. C. milliammeter, with sixteen useful ranges.

The Capacity Meter measures condensers from .0005 MFD. up to 20 MFD. Calibrated in three convenient ranges, namely, 0-2 MFD; 0-2 MFD., and 0-20 MFD. The Ohm-Meter will measure all types of fixed or variable resistors. Also measures the impedance in ohms of output transformers at 60 cycles, in order to determine if the transformer will match the impedance of the plate circuit of the output tubes. Calibrated in three ranges, namely, 0-50,000 ohms; 0-500,000 ohms and 0-5 megohms. The Inductance Meter is useful in many ways. The henries of chokes and transformer windings can be measured and compared as well as determine if there are any partial shorts present. Three ranges of 0-100 henries, 0-1,000 henries, and 0-10,000 henries. The Three Range Output Meter couples either to the power tube plate circuit or to the dynamic speaker voice coil. The ranges of LOW, MEDIUM and HIGH output are provided to check the output of receivers, amplifiers, and public address equipment. The A. C. Milliammeter is calibrated in two ranges, and currents of 0-1 M. A. and 0-10 M. A. can be measured. The A. C. Voltmeter is of the low current, high resistance type (1,000 ohms per volt.) This meter is especially useful in calculating audio transformer ratios and for measuring miniature powered circuits. Calibrated in two ranges of 0-10 volts and 0-100 volts.

This instrument is completely self contained and housed in a neat compact leatherette case, 8 1/2" x 7" x 4 3/4". Net weight 3 1/2 pounds! Cat. No. 6431. **\$31.85**



Readrite Set Analyzer—Tester and Tube Tester



In One Case!

Over-all dimensions: 21 x 14 x 7 1/2 in.
 Shipping weight, 14 lbs.

Cat. No. 6434-406-710. **\$29.40**
 List, \$50.00. Your Cost
 Cat. No. 6435-407-710. Same as above, but includes Cat. No. 6046-407 Tube and Short Tester, instead of Cat. No. 4067-406. **\$32.34**
 List, \$55.00. Your Cost.....

Combines
 Cat. No. 4067-406
 Tube
 Tester and
 Cat. No. 2191-710
 Set Tester

Readrite Resistance Panel Meter Range: 0 to 10,000 ohms.

A thoroughly reliable instrument at a popular price. Requires three small flashlight cells, which with resistances to be measured are connected in series with meter. Used for testing resistances in radio receiving sets, and circuits generally. Fine for continuity tests. **\$1.47**



Cat. No. 150-501
 Cat. No. 6050-503—Resistor, 1150 ohms with jack terminals for use with 22.5 volt battery to increase reading of No. 500 ohmmeter to 60,000 **\$1.25**
 ohms.
 Cat. No. 6051-503-A—Same without terminals for 501 meter. **95c**
 Cat. No. 6052-504—Resistor, 2300 ohms, center tapped, for use with 45 v. battery to increase reading of No. 500 and No. 502 ohmmeters to 100,000 **\$1.45**
 ohms, with tip jacks.

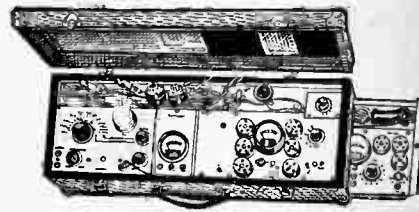
Readrite Capacity Meter



For testing paper type condensers only. The A.C. meter reads directly in microfarads, .008 to 10. Contains rheostat, switch, test leads and plug for A. C. 60-cycle connection. In a seamless metal case 4 1/2" dia. baked enamel finish. Full instructions and charts are furnished for testing from 10 to 400 henries. Also measuring resistances 40 to 100,000 ohms. **\$4.71**
 Cat. No. 4065-800

Readrite Set Tester—Tube Tester—Oscillator

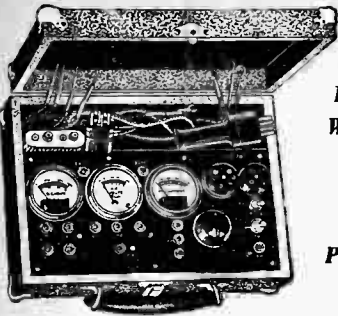
Combines Cat. No. 4067-406 Tube Tester, Cat. No. 2191-710 Triple Meter Set Analyzer, and Cat. No. 4061-550 Oscillator In One Case!



Please refer to the thorough and detailed descriptions of the three complete units above referred to, listed separately on another page. The oscillator and tube tester are on one panel, with the set tester in a drawer underneath. Closing the case cover automatically locks the drawer in place. Case size 22 3/4 x 6 1/2 x 8 1/2" high. Shipping weight is 22 lbs.

Cat. No. 6432-576. List, \$85.00. **\$49.98**
 Your Price
 Cat. No. 6433-577. Same as above, but includes Cat. No. 6046-407 Tube and Short Tester, instead of Cat. No. 4067-406. List, **\$52.92**
 \$90.00. Your Price

Readrite Triple Meter Set Analyzer



Equipped With Six Prong Socket Testing Provisions

Equipped with a practical selector switch for checking all parts of the tube circuits by connecting to the set sockets. Selection for testing voltages of plate, grid, cathode, suppressor grid and screen grid is done quickly and accurately. Plate current, filament volts, also line and power supply volts are measured. The battery is used for the continuity testing of transformers, chokes, etc. Capacity and resistance charts are furnished showing use of instruments for testing condensers, also measuring resistances up to 100,000 ohms. The nine scale readings of the meters may be used separately with the jack terminals provided. The scale readings are 0-20-60-300-600 D.C. volts, 0-10-140-700 A.C. volts and 0-20-100 milliamperes. Both A.C. and D.C. filament voltages are accurately measured on the one meter. Contains new wiring with added 6 hole socket. Housed in a strong case with leatherette covering. Attractive. Compact. Complete. Fills every need for radio set testing. Size 10 3/4 x 3 1/2 x 8". Cover is removable.

Cat. No. 2191-710 **\$14.70**

Tool Carrying Case Model

Contains the same equipment as No. 710 Model above described. The carrying case is larger with leatherette covering and equipped with lock. Space 6 1/4 x 13 3/4 x 4 1/2"



deep for carrying tubes, tools, etc. The test equipment and panel are in a removable tray in the top of the case. The tray equipment may be used separately as a complete test panel for shop purposes. Size 1 1/2 x 7 x 7 1/2"

Cat. No. 2192-610 **\$17.64**

Readrite Direct Reading Ohmmeters



Complete with a small 3-cell flashlight battery; current drain is negligible. Tests resistances up to 10,000 ohms. Model 500 tests resistances by direct reading up to 10,000 ohms. Model 502 has a second scale for testing low resistances up to 40 ohms, in addition to the higher resistance of 10,000 ohms. Voice coils of dynamic speakers and shorted turns of i.f. transformers are tested best on the low range 0-40 ohms. Rheostat knob adjusts the needle to full scale. Wire leads are furnished for continuity tests. A high grade instrument. Case is beautiful baked enamel finish, seamless steel, 4" dia. Weighs but one pound. Indispensable for service work.

Cat. No. 6047 500—0-10,000 ohms **\$3.53**

Cat. No. 6048 502—0-10,000 and 0-40 ohms **\$4.12**

Readrite Resonance Visual Tuning Meter

High resistance type milliammeters used in the plate circuit in sets for visual tuning. The circuit is brought to resonance when the needle swings to its furthest position. Most set manufacturers have adopted Readrite as standard tuning meters where visual tuning is used. The translucent dial is illuminated through the rear window.



88c

(Escutcheon Plate, 29c additional)

Readrite Service Test Oscillator



A completely shielded oscillator, self modulated. Furnished with batteries and one '30 type tube. Covers entire broadcast and intermediate bands. The tuning dial is direct reading for intermediates 120-185 k. c. and 550-1500 k. c. broadcast range. Sharp 2nd and 3rd harmonics cover intermediates 260-262 and 475 k. c. Shielded antenna lead wire furnished. Test lead wires and break-in adapter are supplied when equipped with output meter.

The heavy metal panel contains the tuning control, direct reading dial which has a large swing, giving widely spaced scale divisions easy to read. Two switches control the circuits. The rotating switch has two positions for Broadcast and Intermediate. The toggle switch connects the batteries, and prevents undue drain when not in use. Cannot close cover when battery switch is ON. The attenuator control, like the tube and battery compartments, is separately shielded. Calibration is controlled by the trimmer condenser, accessible through the panel. The oscillator is carefully calibrated at the factory, and the indicator made to track over the entire scale of both bands.

The instrument is extremely compact in a strong, leatherette covered case with removable cover, leather handle and rubber feet. Full operating instructions with the connecting wires are carried in the cover. Weighs but 8 pounds. Size 6x12". The instrument is made not only of the best materials throughout, and assembled for lasting durability, but its beautiful and trim appearance will be the pride of every serviceman to own and use. One of the serviceman's most important instruments. Used to align r. f. gang condensers, locate defective r. f. transformers, adjust i. f. transformers, check oscillator stage, compare gain in tubes and determine the sensitivity of a receiver. Furnished with or without output meter, built in the panel. A truly remarkable instrument at a remarkable price.

Cat. No. 4061-550. **\$17.64**

Less Output Meter **\$20.58**

Cat. No. 4062-550. Same, Complete with Self-Contained OUTPUT METER

Readrite Capacity Tester For Testing Electrolytic and Paper Type Condensers

This newly devised instrument with two volt-meters provides for testing the capacity of all types of condensers. The A. C. meter dial is calibrated for direct reading in microfarads, the double scale reading is .008 to 10 mfd. for paper type condensers. The A. C. meter connects to the 00 cycle supply line and is adjusted to 100 volts. A switch controls the setting for reading the high and low scales. Tipped leads are provided for connecting to the condenser to be tested. Simple and easy to use. Condenser troubles are one of the most frequent causes of radio set breakdowns. The markings in mfd. on the condenser will often be found to be at wide variance, especially with condensers which have been in use. They should be tested under actual load, which requires an instrument of this kind to determine the condenser's condition and proper capacity. Otherwise there is no way to know if the circuit in which the condenser is placed will function properly.

The increased use of the electrolytic condenser in modern receiving sets makes necessary an instrument for properly testing them. Combines a unique method for measuring the d.c. voltage applied to test the condenser under load. Also to form the condenser properly and test the capacity by measuring the milliamperage flow. Leaky and faulty electrolytic condensers are easy to detect. Condensers which do not form properly must be replaced. All electrolytic condensers, either new or old, which have been out of service for any length of time, should be tested for leaks or faulty forming conditions. The maximum reading on the d.c. meter for a good electrolytic condenser is 2 milliamperes per mfd. Clips are provided to make connections for obtaining the proper d.e. voltage. With this method electrolytic condensers may be tested without removing them from the radio chassis which is a most desirable feature. Contains a selector switch for obtaining the voltage, forming and milliamperage readings of the meter. A rheostat makes possible adjustments to the proper voltage. Tip jacks provide for test leads when testing condensers independent of the receiving set. In a seamless metal case (with or without cover as desired.) For shop or portable use. A very practical and convenient instrument. Full instructions are supplied.

Cat. No. 4063-850. In Baked Enamel Steel Case **\$8.82**

Cat. No. 4066-850. With Seamless Enamel Steel. Cover and Handle. **\$10.28**

Readrite Counter Tube Testers

Tests All Tubes Including Recently Issued 6 Prong Models, without Adapters—Connects to A.C. Supply Line—Equipped with an Illuminated Dial



Test card attached to panel gives simple instructions. Anyone can operate. A push button provides two plate current readings for determining the conductance and worth of a tube. A new and outstanding feature applies the same test to rectifier as all other types of tubes. A separate push button provides for testing both plates of '80 type tubes. A socket for the new six prong tubes is provided.

The simplified single scale meter is made possible by the wide change in readings. The meter is connected in tip jacks. Attached to the meter is a small protecting fuse. A pilot light is also directly underneath the meter for illuminating the dial. Both the lamp and fuse are easily renewed by detaching the meter. These are features which will appeal to every user. Rejection and acceptance of tubes tested will be equally as satisfactory as with testers costing many times more.

Cat. No. 4067-406 **\$14.70**

Special Model—Equipped with Self-Contained "Short" Tester

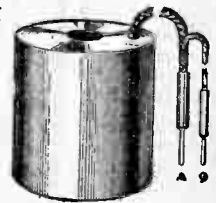
Combines with Cat. No. 4067-406 described above, a complete short test of the tube. All shorts, gas and leakage tests are made with the tube heated under operating conditions. Tube is tested for its worth in the same socket used for short testing. The pilot light for illuminating the dial is also used to indicate the shorts, gas and leakage condition.

Cat. No. 6046-407 **\$17.64**

The cases for the above testers are strongly built, with re-inforced corners and have rubber feet. The leatherette covering and trim makes up a very attractive instrument. The cover is removable and the leather handle is provided for portable use.

Readrite "Exploring Coil"

Designed for the serviceman to use in localizing r. f. trouble. The preferred use is in conjunction with a signal supplied by an oscillator, which is induced into the grid of the tube when the exploring coil is placed around the tube. A big time saver. Trouble is traced by eliminating parts of the circuit where it is found that the induced signal from the exploring coil is satisfactory. In the super-heterodyne circuit it is used also for peaking the intermediates. When used along with an output meter the amount of gain may be determined by bringing to resonance the parts of a r.f. circuit. Both coil and wire lead are shielded. Shielded covering is split to break eddy currents, and finished in baked enamel. Full instructions for using are furnished. A device no serviceman can afford to be without.



Cat. No. 4066-525 **\$2.06**

Readrite Output A. C. Voltmeter Copper-oxide Rectifier Type



A reliable instrument for indicating output voltage of a radio set. Used for lining up r.f. and i.f. stages by determining maximum gain. Also comparing gain of tubes, r.f. tuner selectivity, hum, and fading. A practical, low priced d.c. voltmeter with copper-oxide rectifier of the full wave type. Test leads are furnished. Case is baked enamel over seamless steel 4 1/2" dia.

The assembly includes voltmeter, rectifier, jacks and speaker voice coil, and high voltage (0-50) jacks to magnetic speaker terminals.

Cat. No. 4070-575. **\$4.41**

Cat. No. 6053-555. Panel Type **\$3.82**

Readrite Panel Mount Meters



Choice of narrow rim or wide flange (as illustrated). Highly attractively finished. Require 2 5/64 in. diam. hole for mounting. (Flange diam., 2 1/8 in.). Accuracy fully guaranteed!

D. C. Voltmeters

Cat. No.	Range	Ohms	Your Cost
7502	0-1	30	\$5.8
7503	0-3	175	.58
7504	0-5	410	.58
7505	0-6	550	.58
7506	0-8	850	.58
7507	0-10	1475	.58
7508	0-15	2914	.58
7509	3-0-3	550	.58
7510	0-25	1625	.58
7511	0-25	7720	1.47
7512	0-50	3250	.58
7513	0-50	15440	1.76
7514	0-100	6500	.73
7515	0-100	30888	1.76
7516	0-150	9750	.88
7517	0-150	46320	1.76
7518	0-300	92640	1.76
7519	0-500	154400	2.35
7520	0-60-300	92640	2.53
7521	0-750	231600	2.94
7522	0-8-160	850/16220	1.18

D. C. Milliammeters

Cat. No.	M.A.	Ohms.	Your Cost
7523	0-5	2160	\$1.20
7523	0-10	700	1.03
7524	0-15	295	.58
7525	0-25	85	.58
7526	0-50	20	.58
7527	0-100	5.5	.58
7528	0-150	3.3	.58
7529	0-200	1.9	.58
7530	0-300	.8	.58
7531	0-400	.5	.58
7532	0-20	0-100 175/30	1.03
7533	0-15	150 305/24	1.03

D. C. Ammeters

Cat. No.	Amps.	List	Your Cost
7534	0-1	\$1.00	\$5.8
7535	0-3	1.00	.58
7536	0-5	1.00	.58
7537	0-10	1.00	.58
7538	1-0-1	1.00	.58
7539	3-0-3	1.00	.58
7540	6-0-6	1.00	.58
7541	10-0-10	1.00	.58
7542	20-0-20	1.00	.58

A. C. Voltmeters

Cat. No.	Volts	List	Your Cost
7543	0-4	\$2.50	\$1.47
7544	0-6	2.50	1.47
7545	0-10	2.50	1.47
7546	0-15	2.50	1.47
7547	0-150	4.00	2.35
7548	0-300	5.00	2.94
7549	0-600	6.00	3.53
7550	0-750	7.00	4.12
7551	0-10-140	4.00	2.35

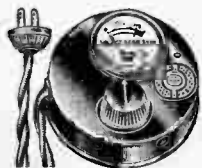
A. C. Ammeters

Cat. No.	Amps.	List	Your Cost
7552	0-1	\$2.50	\$1.47
7553	0-3	2.50	1.47
7554	0-5	2.50	1.47
7555	0-10	2.50	1.47
7556	0-50	3.00	1.76

A. C. Milliammeters

Cat. No.	M.A.	List	Your Cost
7557	0-25	\$2.50	\$1.47
7558	0-50	2.50	1.47
7559	0-100	2.50	1.47
7560	0-250	2.50	1.47
7561	0-500	2.50	1.47

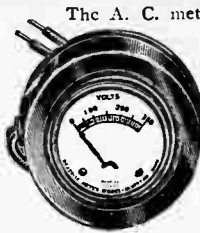
Readrite A. C. Line Voltage Regulator



The power rheostat gives a working range between 130 and 100 volts. Complete with five-foot cord, plug and tap for connecting to receiver.

Cat. No. 1440..... **\$3.82**

Readrite Portable Type Meters



The A. C. meters are repulsion type and can be used with accuracy for either A. C. or D. C. testing. This type should not be confused with the ordinary vane type instrument with its restricted applications.

Readrite A. C. meters are accurately calibrated and have very uniform divisions throughout the scale lengths. The higher reading A. C. Voltmeters contain over 100 ohms per volt resistance. The D. C. Voltmeters are of the polarized vane solenoid type, and contain resistance up to 300 ohms per volt. These meters give excellent performance on pulsating currents.

D. C. Voltmeters

(300 ohms per volt, 3 inch case)

Cat. No.	Volts	List	Your Cost
7563	0-300	\$4.50	\$2.65
7564	0-500	5.50	3.23
7565	0-60/300	4.50	2.65
7566	0-750	6.00	3.53

D. C. Milliammeters

Cat. No.	M.A.	List	Your Cost
7567	0-25	84	\$1.76
7568	0-100	5.5	1.76
7569	0-200	1.8	1.76
7570	0-400	.5	1.76

D. C. Ammeters

Cat. No.	Amps.	List	Your Cost
7571	0-1	\$3.00	\$1.76
7572	0-5	3.00	1.76
7573	0-10	3.00	1.76
7574	0-50	3.00	1.76

A. C. Voltmeters

(100 ohms per volt)

Cat. No.	Volts	List	Your Cost
7575	0-150	\$4.00	\$2.35
7576	0-300	5.00	2.94
7577	0-600	6.00	3.53
7578	0-150/750	8.00	4.70

A. C. Milliammeters

Cat. No.	M.A.	List	Your Cost
7579	0-25	\$3.00	\$1.76
7580	0-50	3.00	1.76
7581	0-100	3.00	1.76
7582	0-250	3.00	1.76
7583	0-500	3.00	1.76

A. C. Ammeters

Cat. No.	Amps.	List	Your Cost
7584	0-1	\$3.00	\$1.76
7585	0-3	3.00	1.76
7586	0-5	3.00	1.76
7587	0-10	3.00	1.76
7588	0-50	3.50	2.06

Readrite Pocket Meters

Carefully calibrated. Surprisingly accurate. Polarized vane type, indicate polarity.

Ammeter

Cat. No. 7589. Scale 0-40. Used for testing dry cells. **44c**

Voltmeters

Cat. No. 7590. 0-8 SCALE. For testing "A" batteries, dry or storage. **58c**

Cat. No. 7591. 0-10 SCALE. For testing "A" batteries, dry or storage. **58c**

Cat. No. 7592. 0-15 SCALE. For testing "A" batteries, dry or storage. **58c**

Cat. No. 7593. 0-50 SCALE. For testing "B" batteries. **58c**

Cat. No. 7594. 0-100 SCALE. For testing "B" batteries. **73c**

Cat. No. 7595. 0-150 SCALE. For testing "B" batteries. **88c**

Cat. No. 7596. 0-8, 0-100 SCALE. For testing "A" and "B" batteries. **\$1.03**

Cat. No. 7597. 0-8, 0-150 SCALE. For testing "A" and "B" batteries. **\$1.17**

Voltmeters

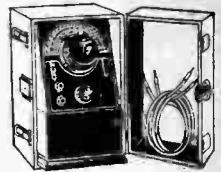
Cat. No. 7598. 0-8 VOLTS, 0-40 AMPS. For testing amperage of dry cell "A" batteries and voltage of dry or storage "A" batteries. **73c**

Cat. No. 7599. 0-50 VOLTS, 0-40 AMPS. For testing amperage of dry cell "A" batteries and voltage of "B" batteries. **88c**

Acrocycle Oscillator

Produces a Signal of Any Desired Frequency and Power, in Either Broadcast or Super-heterodyne Intermediate Ranges

For Use in Testing, Comparing, and Adjusting All Kinds of Radio Receivers, Either in Whole or by Stage



Direct Through Reading Scale, permitting to be easily set to any desired scale pointer with a precision well within plus or minus 1/10 of one per cent. No Calibration Curve to hother with and add to probability of errors. Each Instrument Calibrated to read correctly at all points of the scale with an allowable error of less than 1/2 of one per cent. Abundance of Power for accurate readings, with Extra Strong Signals available when necessary, as in neutralizing, by simply thrusting the antenna lead to the bottom stop of the Ant. Jack. Full Vision Dial. Extremely Sharp Tuning. No Body Capacity effects when operated according to instructions, by the 68 to 1 vernier, which also makes possible the hair line accuracy in setting. Produces Fundamental Frequencies from 115 to 280 K. C. and Harmonics from 230 to 1680 (sixth harmonic of 280) K. C. and higher. The Scale for fundamental K. C. has a division line for each K. C. up to 200 and beyond 200 a line for every two K. C. Consequently all super-heterodyne intermediate frequencies adopted by manufacturers to date fall exactly on a scale line, where the pointer is most easily set accurately, and so do all the RMA and IRE standard adjusting broadcast frequencies—600, 800, 1000, 1200 and 1400 K. C. However, the divisions over the entire scale are large and clear enough to permit settings to any fractions of K. C. that can be judged with reasonable accuracy by the eye of the operator. Quick Shifts from one part of the scale to another are easily made by turning the large knob. Requires 1-230 tube. A compartment is produced for the installation of the required dry batteries. The 230 tube is not visible in this illustration.

\$17.50

Cat. No. 4085.....

NOTE: We can furnish this oscillator mounted within a handsome and durable leather case, with cover as illustrated, for \$5.00 additional.

Readrite Radio Set and Household Utility Tester



For servicing electrically operated refrigerators, ironing machines, water pumps, oil burners, stokers, ventilating systems, ranges and general household appliances. Contains input and output outlets for measuring volts and amperes, A. C. Ammeter reading up to 20 amps., A. C. Voltmeter reading up to 300 volts, and a complete direct reading Ohmmeter 0-40, 0-10,000 ohms for continuity testing. In a leatherette case 10 3/4 x 8 x 3 1/2".

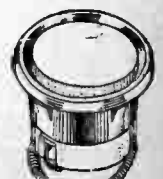
Cat. No. 7605-900. **\$13.23**
YOUR COST

Flush Push-Button for Set Tester Panels

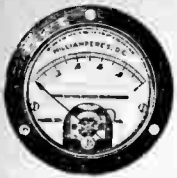
3/4 in. diameter, maximum depth 3/8 in. Terminal screw connections. **20c**

Cat. No. 4082.....

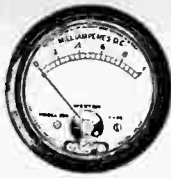
Improved Pearl Push-Button with mounting plate. **30c**



WESTON METERS



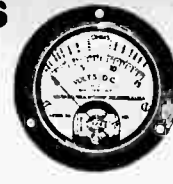
Model 301
Cat. No. 2350



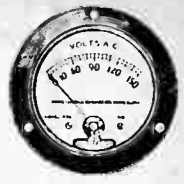
Models 506-507-517
Cat. No. 2380



Models 489-528
Cat. No. 2402



Model 301
Cat. No. 2366



Models 476-425
Cat. No. 2368

D. C. Plate Milliammeters— Model 301

Cat. No.
2350 Choice of 1, 1.5, 2 or 3 milliamperes \$7.35
2351 Choice of 5, 10, 15, 20, 25, 30, 50,
100, 150, 200, 250, 300, 500 or 800
or 1,000 milliamperes 5.88

D. C. Microammeters— Model 301

2352 200 microamperes 9.92
2353 600 microamperes 9.18

D. C. Filament Ammeters— Model 301

2354 Choice of 1, 1.5, 2, 3, 4, 5, 8, 10 or
15, 20, 30 and 50 amperes..... 5.88

D. C. Filament or Plate Volt- meters—Model 301

2355 Choice of 1, 1.5, 2, 3, 5, 7, 8, 10, 15,
20, 25, 30 volts (Resistance 62 ohms
per volt) 5.88
2356 Choice of 50, 75 or 100 volts (Resist-
ance 200 ohms per volt) 5.88
2357 150 volts (Resistance 200 ohms per
volt) 7.35
2358 200 volts (Resistance 250 ohms per
volt) 7.72
2359 300 volts (Resistance 666 ohms per
volt) 10.29
2360 500 volts (Resistance 666 ohms per
volt) 11.76
2361 Choice of 5, 8, 10, 15, 25, 50, 75 or
100 volts (1000 ohms per volt) .. 9.38
2362 Choice of 150 or 200 volts (1000 ohms
per volt) 10.64
2363 300 volts (1000 ohms per volt)..... 11.76
2364 500 volts (1000 ohms per volt) 12.86
2365 750/250/100/50/10/5 volts (1000 ohms
per volt) 18.74

Volt-Ohmmeter—Model 301

2366 Choice of 4.5 volts, 100,000 ohms or
15 volts, 500,000 ohms (Resistance,
volt ranges, 1000 ohms per volt) .. 9.56

Thermo-Ammeters—Model 425

2374 Choice of 1, 1.5, 2, 2.5, 3, 4, 5, 6, 8,
10, 15 or 20 amperes..... 9.92

Thermo-Milliammeters— Model 425

2375 Choice of 120, 250 or 500 milliamperes 11.02

Wavemeter Galvanometer— Model 425

2376 115 milliamperes (Resistance 5.2 ohms) 11.02

FLUSH TYPE 2" PANEL INSTRUMENTS

D. C. Filament or Plate Volt- meters—Model 506

7195 Choice of 3, 5, 7, 8, 10, 15, 50, 100,
150 or 200 volts (Resistance 125
ohms per volt)..... 4.46

D. C. Filament Ammeters— Model 506

2379 Choice of 1, 1.5, 3, 5, 10, 15, 20, 30
or 50 amps. 4.46

D. C. Plate Milliammeters— Model 506

2380 1, 1.5 or 2 milliamperes..... 5.74
2382 Choice of 3, 5, 10, 15, 25, 50, 100,
150, 200, 300 or 500 milliamperes 4.46

Volt-Ohmmeter—Model 506

2383 3 volts (Resistance, 125 ohms per
volt), 0-10,000 ohms 4.46

A. C. Voltmeters—Model 517

2384 Choice of 1.5, 2, 3, 5, 10, 15, 25 or
50 volts 5.88
2385 Choice of 130 or 150 volts 7.35
2386 Choice of 250 or 300 volts 8.82

A. C. Ammeters—Model 517

2387 Choice of 1, 2, 3, 5, 10 or 20 amperes 5.88
2388 Choice of 30 or 50 amperes 7.35

A. C. Milliammeters— Model 517

2389 Choice of 15, 25, 50, 100, 250 or 500
milliamperes 5.88

Thermo-Ammeters—Model 507

2390 Choice of 1, 1.5, 2, 3 or 5 amperes... 9.38
2391 Choice of 10, 15 or 20 amperes... 9.38

Thermo-Milliammeters— Model 507

2392 Choice of 120, 250 or 500 milliamperes 10.50

Wavemeter Galvanometer— Model 507

2393 115 milliamperes. (Resistance 5.2 ohms) 10.50

A. C. Ammeters—Model 476

2371 Choice of 1, 1.5, 2, 3, 5, 10, 15 or 20
amperes 5.88
2372 Choice of 30 or 50 amperes..... 7.35

A. C. Milliammeters—Model 476

2373 Choice of 15, 25, 50, 100, 250 or 500
milliamperes 5.88

A. C. Portable Instruments— Model 528

Alike in size and shape to its companion D. C. instrument (Model 489) but is supplied in a mottled red and black Bakelite case to distinguish it from Model 489. Scales are silver gray with black markings. Pair of 30 in. cables supplied with voltmeters.

A. C. Voltmeters—Model 528

2401 150/15 volts \$9.92
2402 300/150 volts 11.39
2403 600/300 volts 13.59
2404 150/8/4 volts 12.12

A. C. Ammeters—Model 528

2405 Choice of 1, 3, 5, 10, 15 or 20 am-
peres 9.92
2406 Choice of 30 or 50 amperes 11.39

A. C. Milliammeters—Model 528

2407 Choice of 15, 25, 50, 100, 250 or 500
milliammeter 9.92

D. C. Portable Instruments— Model 489

Can also be mounted on a panel if desired. In-
struments are furnished with black Bakelite cases
and have scales of silver gray with black mark-
ings. Each voltmeter supplied with a pair of 30"
cables.

D. C. Voltmeters—Model 489

2394 (Choice of 150/7.5 or 200/8 volts (Re-
sistance 125 ohms per volt)..... 9.92
2395 Choice of 200/8 or 250/50 volts (Re-
sistance 1000 ohms per volt)..... 16.53
2396 750/250/10 volts (Resistance 1000
ohms per volt)..... 20.58

D. C. Ammeters—Model 489

2397 Choice of 1, 10 or 30 amperes..... 9.92
2398 Choice of 10/1, 15/3 or 30/3 amperes 11.39

D. C. Milliammeters—Model 489

2399 Choice of 150/15 or 150/30 milliam-
peres 9.92

D. C. Volt-Milliammeter— Model 489

2400 200/8 volts, 2 milliamperes (Resistance
of voltmeter, 125 ohms per volt).... 15.43

A. C. Voltmeters—Model 476

2367 Choice of 1.5, 2, 3, 5, 10, 15, 25, 50,
100 5.88
2368 150 volts 7.35
2369 (Choice of 250 or 300 volts)..... 8.82
2370 150/8/4 volts 11.02
2377 1000/200/16/8/4 18.38

NOTE: We Can Furnish Any Weston or Jewell Meter Not Above Listed. We Also Carry a Complete Stock of All JEWELL and WESTON SET TESTERS, ANALYZERS and All Products of Their Manufacture! Write for Wholesale Quotations!

Weston 0 to 1 Model 301 D. C. Milliammeter

Ideal for Home Con-
struction of a Labora-
tory Model Multi-Range
Voltmeter (1000 Ohm
Per Volt), or a Multi-
Range Ohmmeter.



Also used in the construction of output meters,
grid dip oscillators, tuning meters and a host of
other useful laboratory, service, and test instru-
ments. Flush-type construction. Choice of
Bakelite or Metallic Case. 3 3/8 in. over all dia-
meter, hole required in panel: 3 3/4 in. Internal
resistance: 27 ohms.

FREE: With purchase of this meter: Interna-
tional Resistance Co-Meter Conversion Charts
No. 2069, Ohmmeter Scales Chart No. 2065,
and Volt-Ammeter Adapter Leaflet.

Cat. No. 1894..... **\$7.35**

"Coast-to-Coast" Copper Oxide Meter Rectifier and Precision Safety Block

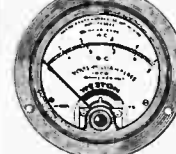


The use of this unit, which
can safely pass up to 15 M.
A. plus any 0 to 1 or 0 to
1.5 D. C. milliammeter, such
at Cat. No. 1894, converts
same into a "Universal" A.
C. and D. C. milliammeter,
which is the heart of a 1000
ohm per volt D. C. or A. C.
Voltmeter. A detailed cali-
bration chart and simple wiring diagram are in-
cluded—permits any novice to construct a multi-
range D. C. and A. C. Voltmeter, D. C. Milli-
ammeter, and 0 to 1 A. C. Milliammeter—for de-
tailed description, please refer to Cat. No. 5548.
Insulated mounting plate measures 2 3/4 in. by
2 3/4 in. This plate can be mounted right on to
the rear terminal bolts of the milliammeter, with
which it will be employed.

Copper Oxide Rectifier, Two 10 M. A. Fuses,
and Fuse Block, as illustrated. **\$4.95**

Cat. No. 5550.....
Copper Oxide Rectifier Only. **\$3.95**
Cat. No. 5551.....

Weston Universal A. C.—D. C. Meter



Actually Three-
Meters-In-One!
Permanent magnet moving
coil type with a self-con-
tained copper oxide rectifier
for the A. C. measurements.
It is self-contained for 5
volts and 1 milliamperes A.
C. and 50 millivolts and 1
milliamperes D. C. It has
double scale—one for A. C.,
and the other for D. C.

Each calibrated 0-5 volts. A connection diagram
giving suggested ranges is included. By using
the proper shunts, you can also obtain ampere
readings of 1-2 and 10 amps. **\$13.96**
Cat. No. 4137.....

Set of Precision Wire Wound Resistors for Above
Meter: Permits the use of the WESTON "UNI-
VERSAL" meter in the manner above described,
to obtain the following ranges: A. C. or D. C.
volts: 1000—250—50—10—5; D. C. m.v.: 500—
100—25—5 and 1; A. C. m.ils.: 1. Fully ex-
planatory diagram included, properly **\$10.75**
calibrated. Cat. No. 5344.....

Available in Assembled (Unwired), or Laboratory Wired Models

"COAST-TO-COAST" WESTON METER EQUIPPED UNIVERSAL SET ANALYZER, OHMMETER, CAPACITY METER, OUTPUT METER, A.C.-D.C. VOLTMETER, TROUBLE SHOOTER AND TUBE TESTER

Gives All Vital and Possible Laboratory Accuracy Readings, Due to Use of Weston Meters and Precision Wire Wound Resistors in Perfectly Clear and Astoundingly Simple Form—

EMPLOYS THREE WESTON SERIES 301 D. C. AND A. C. METERS

Mounted in Uniquely Designed Double Cover Carrying Case

Why carry a set tester in one hand, and a tool and tube box containing "odds and ends" in the other—there is ample room below and behind the panel for such purpose. - NOT bulky—12 3/4 in. long, 9 1/2 in. deep, 11 in. high. Durably and Satisfactorily Constructed!

The Wide Scope of Its Many Applications

D. C. Milliammeter
0-100, 0 to 20, 0 to 1 mils.

D. C. Volts
1,000 Ohms per Volt! 0-1,000, 0 to 250, 0 to 50 and 0 to 10 volts.

A. C. Volts
1,000 Ohms per Volt! 0-750, 0-150, 0-15, 0 to 5 volts.

A. C. Mils
0-1 Milli-Amp.

Resistance Range
0-10,000 and 0-100,000 ohms.

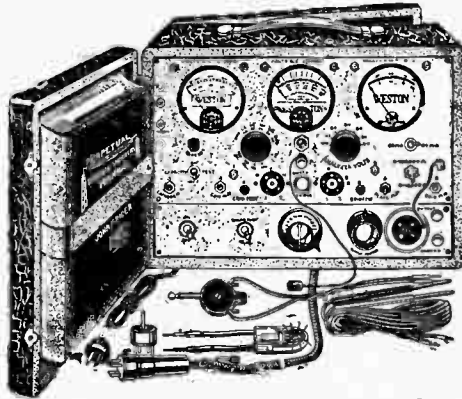
Capacity Measurements
.1 mfd. to 6 mfd.

The D. C. MILLIAMMETER ranges permit the following current measurements: Plate M. A., Grid M. A., Screen Grid M. A., Screen Plate M. A., Rectifier Plates (2). The D. C. Voltmeter ranges permit the following voltage measurements: Plate to Filament; Cathode to Filament; Screen Plate to Filament; Grid to Filament; Screen Grid to Filament; Filament Voltages; Grid to Cathode; Control Grid to Filament.

A "Reverse" switch allows the instantaneous reversal of the polarity of the D. C. Voltmeter connections, should this be necessary. The A. C. Voltmeter ranges will give you the A. C. Filament readings, line voltage readings, and ALL transformer secondary readings up to 750 volts! Direct readings of resistance values from 0 to 10,000 and 0 to 100,000 ohms permits testing of Audio Transformers for ratios, values of carbon, metalized, wire wound, rheostats, volume controls, etc., and in fact, wherever a continuity test is desired.

(A self-contained 4 1/2 volt "C" battery in the special circuit makes this possible.) A Rheostat is provided to maintain the absolute accuracy of the resistance calibration scale.

Makes All Tests With Special Cable and Plug Inserted Into Any Tube Socket



All models furnished with above illustrated accessories. The 232 Dynatron Oscillator Tube is Fully Shielded—Not so shown in above illustration

Completely Tests All Types of Tubes

No adapter is required to test Pentodes or any other 5 or 6 prong tube. Another unique feature is the simple and fully effective precautions contained that will not injure the meters whatsoever! A separate 4 1/2 volt "C" battery and special Grid Test Switches will indicate the Amplification Factor of every type of tube, in terms of plate current changes.

Choice of Self-Contained Dynatron Modulated Oscillator. Operates Directly from A. C. or D. C. Lines

Permits thorough checking of R. F. stages—each tuned R. F. circuit, etc., etc., independent of an R. F. broadcast signal. The oscillator is Modulated—can be varied from 550 kilocycles to 1500 kilocycles, and by throwing a switch the lower frequencies, in the neighborhood of 175 k. c. are available for "peaking" the i. f. stages of Super-Heterodyne Receivers!!!! This oscillator is operated by a self-contained fully shielded 232 tube. The Weston A. C. 0-1.0 milliammeter is ideal for making output, loud speaker, decibel, inductance and many other vitally necessary measurements.

Incorporates Neon Tester!

Note that this unit is removable and can be used separately from this test equipment, when so desired. Tells whether current is A. C. or D. C., indicates polarity, etc., etc. Space indeed prevents us from too lengthy elaboration of its seemingly countless other valuable features! Highest Possible Quality Parts and Self-Explanatory Assembly Blue-Print Diagram, Operating Instructions, etc., are furnished.

Amazing Low Prices

The net prices below include your free choice of either a Gernsback or Rider "SERVICE MANUAL" as listed in this catalog, AS WELL AS A FREE COPY OF GERNSBACK'S MANUAL: "RADIO SET ANALYZERS . . . And How To Use Them."

Model RSA-52

Semi-Assembled (Unwired)

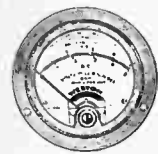
Cat. No. 4170. Semi-Assembled Kit, with wiring instructions. Less Oscillator Unit. **\$64.50**
Cat. No. 4171. Same as Cat. No. 4170, but including Oscillator Unit, less 232 tube. **\$76.50**

Laboratory Wired Models

Cat. No. 4172. Completely assembled and wired. Less Oscillator Unit. **\$84.50**
Cat. No. 4173. Same as Cat. No. 4172, but including Oscillator Unit, less 232 tube. Completely assembled and wired. **\$96.50**

FREE GERNSBACK or RIDER SERVICE MANUAL!
With every purchase of either a kit or a factory wired model, we will include absolutely free, either a 1,000 page 1932 Rider Service Manual or a Gernsback Official Service Manual (Latest Edition!) It fits into the rear cover, and can be carried along with you . . . certainly a fitting companion!! (For the purpose of illustration, it is shown on the front cover.)

By removing any tube from any socket in a receiver and inserting same into either the 6 or 5 prong socket or into a 4 to 5 prong adapter (which is inserted into the 5 prong socket) on the test panel you are automatically informed whether the Circuit Constants in that particular stage are correct.



Weston Rectifier Model 301 A. C. Meters

Uses a full-wave copper oxide rectifier in conjunction with a standard Model 301 D. C. movement. They have the excellent damping, even scale characteristics and high overload capacities of general conditions in the instrument may be relied upon to within 5% accuracy.

Voltmeters

Cat. No.	Volts	Scale Div.	1000 Ohms Per Volt Price	2000 Ohms Per Volt Your Price
7488	1	50	.....	\$12.38
7489	1.5	75	.....	12.38
7490	3	60	\$10.50	12.38
7491	5	50	10.50	12.38
7492	15	75	10.80	12.38
7493	50	50	11.25	13.12
7494	100	50	11.25	13.88
7495	150	75	11.25	.....
7496	300	60	12.38	.....

Continued To The Right

"Coast-to-Coast" All-Purpose A.C. and D.C. 1000 Ohms Per Volt Universal Tri-meter

Manufactured for "Coast-to-Coast" by WESTON

1% Accuracy Wire Wound Precision Resistor Kit for Cat. No. 5548

Universal Meter:

A. C. and D. C. Volts: 1000, 500, 250, 50, 10 and 5. D. C. Mils.: 100, 20, 5 and 1 A. C. Mils.: 0 to 1. **\$9.50**
Cat. No. 5549.

SPECIAL OFFER
If you purchase at one time Cat. No. 5548 Meter and Cat. No. 5549 Resistors, your net cost for this combination **\$18.95** will be only.....

Milliammeters

Cat. No.	Milliamps.	Scale Divs.	Your Price
7497	0.5	50	\$10.88
7498	1	50	9.38
7499	2	40	9.38
7500	5	50	9.38

Microammeters

Cat. No.	Microamps.	Scale Divs.	Your Price
7501	500	50	\$10.88

Will give the following highly accurate ranges: 1000-500-250-50-10-5-0 A. C. or D. C. volts; 100-20-5 and 1 mils. D. C.; 0 to 1 mil. A. C. Guaranteed accuracy of meter: 2% of full scale! Equipped with two 10 M. A. precision protective fuses. Wiring diagram furnished. 3 3/4 in. diameter across range—2 1/2 in. diameter hole required. **\$11.95**
Cat. No. 5548.

Weston Volt-Ohmmeter

Range: 1 M. A., adjusted to 50 millivolts, at 50 ohms resistance. Furnished with scale calibrated at:

1000, 250, 50 Volts D. C., and 0 to 100,000 Ohms

Intended for use with external resistors listed below (Cat. No. 7604). **\$7.35**
Cat. No. 7603. YOUR COST.....

1% Accuracy Wire Wound Volt-Ohmmeter Resistors and Shunts

Cat. No. 7604. YOUR COST..... **\$7.45**

"Coast-to-Coast" Five - In - One Serviceman's Neutralizer - Compensator and "Tool Kit"

Can Be Carried In Your Vest Pocket—No Larger Than a Fountain Pen!

At Your Finger Tips: Radios' most vital and useful tools— $\frac{1}{4}$ in. Nut Wrenches, Miniature Blade Screw-Driver for Neutralizing, and a Full Size General Purpose Screw Driver. Note the cleverly constructed, regulation size screw-driver chuck, easily removable, and always ready for immediate use—yet its blade is fully sheathed and therefore will not damage your clothing when not in use! You thereby enjoy the valuable uses of an Insulated Shank, Full-Size Screw-Driver! The smaller screw driver blade, ideal for general Neutralization and Compensating requirements, is likewise sheathed, when not in use. The Nut Wrench Sockets are extremely durable, and not removable, being formed at each end of an attractively turned Insulated rod. Fully constructed of the Highest Grade Metals and Insulating Materials Obtainable, and skillfully designed throughout—no service man, general mechanic or experimenter can afford to be without this ever necessary tool—in reality, "worth its weight in gold!"

\$1.25

Cat. No. 5090.....
In Lots of 6, \$6.60 In Lots of 12, \$12.60

"Coast-to-Coast" Laboratory Model Phono. Needle Contact Test Leads

Permits Piercing Insulation of Wires or Rosin Layer (around Soldered Connections)



Cat. No. 5097-5098

Actually "Bites" Into Surface Of Any Metal—Particularly Advantageous On Oxidized Metal Surfaces Such as Aluminum, etc.

Made of the finest materials obtainable and constructed in accordance with every perfection known to Mechanical and Electrical Engineers—no wonder then that Radio and Electrical Laboratories throughout the land are loud in their praise of this highly efficient test prod. The highly insulated handles are fully $\frac{5}{8}$ in. long and $\frac{1}{2}$ in. in diameter—the one piece nickle-plated brass shank and needle chuck is 1 inch long. The chuck itself consists of a neatly knurled locking medium and a sure-grip, four pillar chuck—any steel phonograph needle may be used therein.

Discard them as fast as their joints blunt! In the event as desired, the metal shank can be used without a nozzle protruding therefrom. Each handle is var-colored, viz. Red and Black, as is the high quality insulated wire leads.

Cat. No. 5075-5076
Cat. No. 5075
Pair (Red and Black) with Spade Tips **95c**
Cat. No. 5076 **95c**
Same, per pair, with Phone Tips
In Lots of 6, \$5.40 In Lots of 12, \$9.95
Furnished With Sharp Pointed Nickle-plated Contacts
Cat. No. 5097. Spade Terminals } **65c**
Cat. No. 5098. Phone Tip Terminals }
Per Pair
Either Type

Cat. No. 5099. Test Prods Only—No Wire Lead—Choice of Red or Black. Each **40c**

Drop Forged Radio Use Nut Wrenches

These two sizes serve all radio requirements.
Cat. No. 6196. **19c**
Per Pair

A "Rolls-Royce" Trouble Light at "Ford" Prices

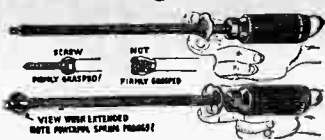


All-Rubber Handle. All-Rubber Attachment Plug. 2 conductor. No. 10 Type SJ All-Rubber Cord. The Cord that you can run trucks over

all day long and never short or injure the cord. The toughest electrical cord made. Will resist oil, gasoline, acids and abrasive materials. The handle is made of a high grade live rubber and is shock-proof. You can jump on the all-rubber cap and never injure it. The lamp guard is made of a patented steel, heavily tinned and is one of the finest guards made. You can't buy a better trouble lamp at any price.

Cat. No. 6197 Length 10 feetEach **\$0.90**
Cat. No. 6198 Length, 20 feet.....Each **\$1.10**
Cat. No. 6199 Length, 30 feetEach **\$1.30**

Screw-Holding Screw Driver



Gets into places where it is impossible to get with the fingers. Will hold nuts, machine and wood screws, lock washers, etc. Blade of the finest tempered steel, handle moulded of high grade bakelite, holding device consists of four finger-like prongs of spring steel which hold the screw head in vise-like grip.

Cat. No. 1626. **85c**
8 inch **\$1.15**
Cat. No. 1627.
10 inch

No Serviceman Should Be Without This All-Purpose Radio-Electric Tester! Neon-Flashlight Radio Set Trouble Shooter

Combines Seven Valuable Testing Provisions, All in This One Testing Tool: No. 1: Low Resistance Continuity Test; No. 2: High Resistance Continuity Test; No. 3: Condenser Tester and Capacity Indicator; No. 4: Polarity, Potential and Frequency Indicator; No. 5: Flash-Light; No. 6: Speaker Tester; No. 7: Output Indicator.

Replaces a multi-meter set tester and analyzer, if it is not desired to obtain specific and absolute values by meter readings. It consists of a heavily insulated and well finished tube, which houses two miniature size dry cells (obtainable anywhere) for lighting the 3 volt flash-lamp and which houses a Neon glow lamp. A specially designed line cord, plug and phono, needle type test prod is furnished. This permits operation of the neon glow lamp, by inserting the plug into any 110 to 220 volt, 25 to 60 cycle A. C. or D. C. line. There is also furnished two additional test cords and spring clasps. One is equipped with a spring test clip (for attaching to any part of the grounded chassis circuit) and the other is equipped with a phono needle chuck. It follows that either one of these two latter mentioned test leads can be used at one time. Explicit instructions furnished shows how to employ the flashlight when making low resistance continuity tests (such as r. f. coils, power transformer primary and filament windings, all wiring circuits, etc.); it also shows how to use the neon lamp when making high, resistance continuity tests (such as audio transformers windings, grid-leaks, loud speaker windings, etc., etc. You are also shown how to check capacities as low as .0001 mfd., how to check automobile ignition systems, determine if current to be tested is A. C. or D. C., which side of the power line is grounded, and all other applications generally credited to neon lamps! This device can also be used as a flashlight, for illuminating interiors of chassis, undergoing repairs.

Cat. No. 5959. Complete, with all batteries, flash-light bulb, neon lamp, and three test leads, as illustrated..... **\$4.95**
Cat. No. 5960. Extra 3 Volt Bulb **15c**
Cat. No. 5961.
Extra 3 Volt Flashlight Battery

Cat. No. 5960. Extra 3 Volt Bulb **15c**
Cat. No. 5961.
Extra 3 Volt Flashlight Battery

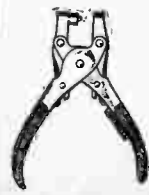
Handy Radio Nut Wrench Set



Practically indestructible as it is made entirely of high grade steel with case hardened, removable "chuck type" sockets. Hollow handle holds screw driver socket and 5 wrench sockets size $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{5}{8}$ in., making it an ideal radio and general use set. Handle and shank are $\frac{7}{8}$ in. long and handle is heavily knurled providing a good gripping surface and is finished in white nickel.

Cat. No. 2591..... **59c**

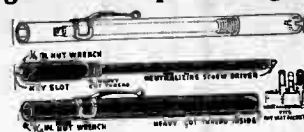
Hand Eye-Let Crimping Machine



Same size as a conventional pair of pliers. Use with hollow type eye-lets. Distance from center of eye-let shank to pliers, $\frac{3}{4}$ in.

Cat. No. 6194. **75c**
Cat. No. 6195.
Per 100
Eye-lets **35c**

"Fountain Pen Type," Neutralizing and Compensating Tool



Combines $\frac{1}{4}$ inch and 5-16 inch Socket Wrench as Well

The two sizes of socket wrenches and the neutralizing screw drivers included are ideal for use with practically all commercial receivers. Unlike other tools for the purpose, the neutralizing screw driver itself cannot become lost, as it is inserted and screwed into the larger socket wrench holder when not in use. Note the fountain pen clip—simply slip this really good looking tool right into your vest-pocket as a companion to your fountain-pen and pencil. Highly insulated—prevents body capacity from affecting delicate adjustments or readings.

Cat. No. 1975..... **49c**

I. C. A. Test Leads



A necessity for the radio service man and radio dealer. For testing sets and tracing trouble in sets where shorts, opens and other defects common to radio sets are encountered. Can quickly be attached to any meter for testing batteries or any electrical apparatus. Made of sturdy insulated tubing, solderless plugs and the best grade of wire. Supplied with red and black tubing for positive and negative identification. Made in two types: One type using tips and the other type using spades. 50 inches long.

Cat. No. 1610. **23c**
Pair of tip type leads **23c**
Cat. No. 1611.
Pair of spade type leads..... **23c**

Neutralizing Alligator Wrench and Screw Driver

Note neutralizing screw driver at one end, and cleverly constructed Alligator wrench at other end—separated by a High Quality Insulated Shaft.

Cat. No. 5092..... **55c**

Knob-Handle Neutralizing Aligning Screw Driver



Its convenience is quite self-apparent. Bakelite knob. Very useful.

Cat. No. 5093 .. **45c**

Neutralizing-Compensating Screw Driver

Hardened steel blade—firmly attached to Highly Insulated Shank. Serves a host of mechanical and electrical requirements.

Cat. No. 5091..... **35c**

Continuous Threaded Brass Rods



Cat. No.	Length	Thread	Our Price	Dozen
5389	1 ft.	6/32	15c	\$1.20
5390	2 ft.	8/32	35c	2.80
5391	2 ft.	10/32	40c	3.20
5392	2 ft.	10/24	45c	3.60
5393	2 ft.	12/24	50c	3.95

"Coast-to-Coast", "Ready Test" Clip Leads

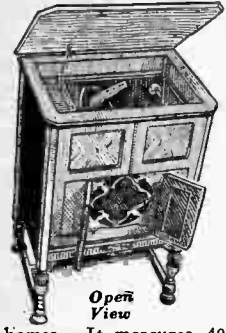
Consists of a well insulated, flexible conductor, of various lengths, to which is attached very firmly at each end, a most powerful, biting Spring Clip of miniature proportions. Splendid for making time-saving experimental connections or laboratory tests. Makes connections in a jiffy! An extremely valuable necessity for everybody—always keep 25, or so on hand—they are worth their weight in gold!

Cat. No.	Length	EACH	DOZEN
1956	8 inch length	.16	\$1.50
1957	16 inch length	.20	2.00
1958	24 inch length	.22	2.20
1959	32 inch length	.24	2.40

A Remarkable Buy! Brand New!
In Original Factory Cases!

Columbia Electric Automatic Record Changing Phonograph

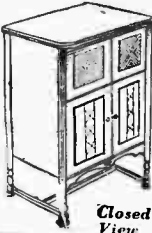
Plays Continuously For A Half-Hour!



Open View

Consists of a 4 Tube Push-Pull 245 Kolster Power Amplifier, a Rola 12 in. Diameter Auditorium Dynamic Speaker, a Columbia Electric Phono Pick-Up, and a Genuine Columbia Electric Phono. Motor, and 30 minute consecutive playing Record Changer. Original sale price \$295.00! The rich walnut piano grained finish, and exquisite motif of the general design, makes this console worthy of installation in the finest of homes. It measures 40 in. high, 26 in. wide, 20 in. deep. The power pack can deliver "A-B-C" A. C. and D. C. voltages to a Radio tuner if so desired. A microphone arrangement can be installed—this amplifier is ideal for speech amplification! Simply put your records in the special holder all at once and this marvelous machine does the rest. After you hear the first musical strain . . . musical minute after musical minute continues! Records keep changing for you—quietly, swiftly, invisibly, more than half an hour! No need to stop and change a single record. Foolproof Mechanism. This phonograph will reproduce both 10 in. and 12 in. records, in all makes! The volume is instantly variable from a faint whisper to a resounding fullness that can fill an auditorium.

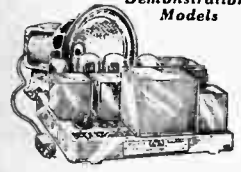
Cat. No. 5557. Complete, as described, less Tubes. **\$39.50**
Cat. No. 5558. Set of 4 Cunningham Tubes. **\$2.48**



Closed View

Victor 2-Stage, 245 Push-Pull Power Amplifier

Formerly Used in Models Victor Receivers RE-75, 32, 42 and 45



Besides furnishing ample "A-B-C" current for the tubes in this amplifier, there is "A-B-C" current produced for tubes to be used in any tuner, namely, 5-226, and 1-227. The first A. F. tube is lit on a separate 1½ volt winding, as are the 2-245 tubes. This amplifier may be used without a Radio tuner if desired, for the electrical amplification of phonograph records. The volume produced is really amazing, and its remarkable fidelity of reproduction is most pleasing. As a 226 tube is used in the 1st A. F. stage, instead of the now conventional 227 type, this amplifier is ready for operation the moment the switch is turned on—no time "lag" waiting for tubes "to heat up!" A phonograph motor plug is provided on this amplifier chassis.

Designed to operate with any 15 ohm impedance voice coil, 2,500 ohm D. C. dynamic speaker, drawing 50 mls, but it is recommended that the MATCHED VICTOR speaker listed below be used, for maximum satisfaction!

A Tone Control and a Hum Control adjustment is provided. All the component parts, such as the power transformer, audio and push-pull transformers, condenser block, etc., etc., are mounted within separate and removable steel cases, for rapid servicing, if ever required. The finest of parts, such as General Electric, are employed throughout. All the wiring is made beneath the chassis. A cable plug socket is provided, for connections of the "A-B-C" tuner voltages, and input of either the phonograph or Radio Tuner. Compactly constructed on a durable, attractively sprayed metal chassis, 13½ in. long, 10½ in. wide, 6¼ in. high. For 105-120 volts, 50-60 cycle A-C.

Cat. No. 6910. Amplifier, less Speaker and Tubes **\$9.95**
Cat. No. 6911. Set of R. C. A. Tubes: 1-226, 2-245, 1-280 **\$2.39**
Cat. No. 6912. Victor Matched Dynamic Speaker **\$6.75**

Jensen or Rola or Magnavox 6 Volt Dynamic Speaker for Automobile Use



Equipped with an attractive metal case, single threaded stud mount, and shielded cable.

Dust Proof construction. Design will stand all mechanical abuse. Capable of enormous volume, free from distortion.

Cat. No. 3347. **\$4.95**

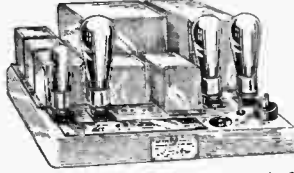
Dynamic Speaker Voice Coil Volume Control Potentiometer

Intended to be shunted across the secondary of the output transformer, with the center arm of the potentiometer being connected to one end of the voice coil, the other end of the coil being connected to the ground circuit. Excellent for remote speaker installations for controlling volume.



Cat. No. 6898. **65c**

Demonstration Models R.C.A. Model AP-736 (S.P.U. 24), Victor 2-Stage 250 Power Amplifier



Formerly Used in Victor Electric Orthophonic Phonograph No. 12-15 C Electrola and R.C.A. No. 105 Speaker!

Requires 1-226, 1-250, 2-281 Tubes

This is the identical amplifier that was used in the most expensive VICTOR electric phonographs—models of these used to sell from \$350.00 to \$1,000.00! And now, for the first time, the Radio purchasing public can buy these amplifiers "for a song!" Surely, you all recall the tremendous appeal and popularity enjoyed by the R.C.A. 105 dynamic Speaker, which used this identical amplifier . . . that speaker used to sell for \$275.00! Designed for low impedance pick-ups.

Produces Gigantic Volume—Free of All Distortion and Remarkably Life-Like in Reproduction!

You will be immensely thrilled by the almost uncanny reproducing qualities of these amazingly powerful amplifiers—either using it as a phonograph or Radio Tuner amplifier! We want you to expect the most, for, you will not be disappointed!

Furnishes Current for 1,000 Ohm Field Coil D. C. Dynamic Speaker

Utmost care must be exercised to use only the most powerful and ruggedly built dynamic speakers, to attain the results this amplifier is capable of. We therefore strongly recommend the special model R.C.A. PHOTOPHONE D. C. model, listed below. The speaker will draw 110 mls. from the amplifier, to actuate the 1,000 ohm field coil in the dynamic speaker. A voice coil impedance matching transformer is included in this amplifier.

An Exceptionally Powerful Radio Tuner Amplifier

Suitable detector plate voltage is available for operating a detector tube, in any radio tuner. There is also provided terminals for making connections to the PRIMARY of the 2nd A. F. Transformer. Note that each essential unit, such as A. C. Power Transformer, audio transformers, condenser block, etc., are individually mounted within readily accessible and removable steel cases. This chassis is designed along generous proportions, and superbly constructed! The chassis is 1¾ in. deep, and is 7 in. high over-all, 17½ in. long, 12½ in. wide. Equipped with two tone and hum controls, field coil plug, 110-120 volt switch, 4 heavy threaded mounting pillars. Conservative undistorted output, 6 watts. For 110-120 volt, 50-60 cycle A. C.

Cat. No. 6913 **\$19.50**
Cat. No. 6914. 1-226, 1-250, 2-281. R.C.A. Tubes **\$7.21**
Cat. No. 6915. 1000 Ohm MATCHED R.C.A. PHOTOPHONE D. C. DYNAMIC SPEAKER **\$10.95**

Electric Dual Comb. 33 1/3 and 78 R.P.M. Turn-Table

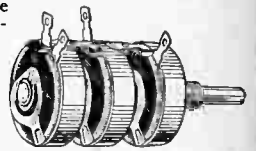


Ideal for Dance-Halls, Moving Picture Houses, Restaurants, etc. Contains two Highest Quality silent induction phono. motors, two Webster pick-ups, and a complete "Fader" System, permitting the operator to blend the music of the finishing record into the new one to be next played. Note sturdy shelf provided for mounting power amplifier thereon. Ideal for all public address systems! Fine quality table, substantially built.

Cat. No. 6896. **\$45.00**
Less Fader.
Cat. No. 6897. **\$55.40**
Complete with Fader.

Electrad Royalty "T" Pad Attenuator

Useful for the volume control of microphones, electrical phonographs, talking picture amplifiers and other sound amplifying and distribution systems. Constant impedance is maintained throughout the adjustment of knob. The panel and rear units are series resistors and the center unit is the shunt resistor.



Cat. No.	Line Impedance in Ohms	
6899	15	} \$2.94 Each
6900	200	
6901	500	
6902	3000	
6903	5000	

Electrad Royalty "L" Pad Attenuator



The panel unit is the series resistor and the rear is the shunt resistor

Cat. No.	Line Impedance in Ohms	
6904	15	} \$1.77 Each
6905	200	
6906	500	
6907	3000	
6908	5000	
6909	5000	

Electrad 25 Watt "Truvolt" Wire Wound 100 Ohm Variable Potentiometer



Single hole mount—note protective ventilated hood. 2 in. long
Cat. No. 6909 **75c**

GLOBE 227 TUBES

Manufactured by Ceco!

Standard Ratings. Brand New Tubes! Original Cartons!

Cat. No. 7240. **\$1.20**
Per Dozen
Cat. No. 7241. **\$4.50**
Per 50 Tubes.



GLOBE 281 TUBES

Manufactured by Ceco!

Standard Ratings. All Brand New! Original Cartons.

Cat. No. 7242. **\$1.25**



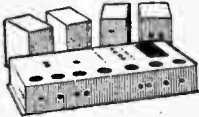
Here Are Various Metal Chasses For Home Construction of Public Address Power Amplifiers, Receivers, Etc. These Same Chasses Are Employed by Us in the Construction of "Coast-To-Coast" Apparatus!

Public Address Amplifier Chassis and Four Removable Shielded Cases



Same as used in the "Coast-to-Coast" 3 Stage Dual Push-Pull Auditorium Amplifiers. Handsome black crystalline finish. Overall length: 17 1/2 in.; 9 in. wide, 3 1/2 in. high. The four

removable metal shield cases illustrated and included measure 5 1/2 in. long, 3 1/4 in. wide, 5 1/2 in. high. The chassis is equipped with 1/2 in. wide flanges. The tube shelf has seven standard and socket holes, and the control panel has holes drilled for two volume controls, two twin jacks, two toggle switches. On one of the sides there is another twin jack and toggle switch hole. The rear wall of the chassis has six more standard socket holes punched out—ideal for dynamic Speaker UY socket outlets. There is also a line cord hole. These Chasses Are Brand New! A bottom shielding plate is also included!



\$3.95

Cat. No. 5767.....

Cadmium Plated Chassis—Undrilled



Made of 3/8 in. thick steel—extremely rigid. 18 in. long, 10 in. wide, 3 1/8 in. tall. Ideal for universal application! Can be easily drilled and soldered to.

\$1.95

Cat. No. 5768.....

Electralloy Chassis—Undrilled

Fabricated of a metal alloy superior to both steel and aluminum. Unlike aluminum, it will not corrode, and can be soldered to like brass, copper or steel. Can be drilled with no trouble. No. 16 gauge thickness. Resembles Cadmium Plate (Dull Silver Finish).

\$1.95

Cat. No. 6101. 10 in. x 12 in. x 3 in.

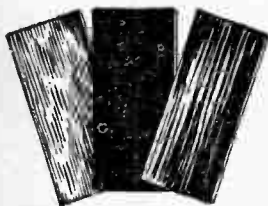
\$2.95

Cat. No. 6102. 10 in. x 18 in. x 3 in.

\$3.95

Cat. No. 6103. 10 in. x 24 in. x 3 in.

**ELECTRALLOY METAL & BAKELITE PANELS
SPECIAL SIZE (NO. 16 GAUGE) ELECTRALLOY PANELS CUT TO ORDER
Multiply Length by Width Desired to Determine Total Square Inches Desired. 1c Per Square Inch.
SPECIAL SIZE BAKELITE PANELS CUT TO ORDER**



Available in Plain Black or Walnut Grained Stock
2 1/4 c a square inch for 1/8 in. stock
2 3/4 c a square inch for 3/16 in. stock

"Electralloy" is a non-corrosive non-magnetic sheet metal material for radio panels, radio cans and radio shielding purposes. Drills and machines much easier than other metals. Finished in beautiful dull silver. Supplied in No. 16 thickness. Can be soldered to in the same manner as steel, brass, copper, etc.!

Bakelite panels are available in a choice of either BLACK OR WALNUT GRAIN finish, in either 1/8 in. or 3/16 in. thick. Fabricated from laminated indestructible material—guaranteed high polish surface on arrival.

ELECTRALLOY

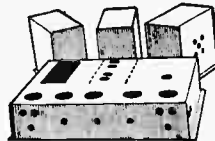
1/16 in. Thick		← Size →	
Cat. No.	Price		
3020	\$.50	7 in. x 10 in.	
3021	.60	7 in. x 12 in.	
3022	.70	7 in. x 14 in.	
3023	.90	7 in. x 18 in.	
3024	1.05	7 in. x 21 in.	
3025	1.20	7 in. x 24 in.	
3026	1.30	7 in. x 26 in.	
3027	1.40	7 in. x 28 in.	
3028	1.50	7 in. x 30 in.	
3030	2.50	7 in. x 36 in.	
6098	8.50	36 in. x 36 in.	
....	....	36 1/2 in. x 42 1/2 in.	

BAKELITE

3/8 in. Thick		3/16 in. Thick	
Cat. No.	Price	Cat. No.	Price
2610	\$.88	2620	\$1.32
2611	1.05	2621	1.56
2612	1.22	2622	1.84
2613	1.58	2623	2.36
2614	1.88	2624	2.76
2615	2.10	2625	3.16
2616	2.32	2626	3.40
2617	2.46	2627	3.78
2618	2.70	2628	3.94
3029	3.15	2629	4.72
6099	16.40	6100	24.00

Five Tube Amplifier Chassis With Three Removable Shield Cases

Identical chassis as used in many of our Public Address Amplifiers. Handsome black crystalline finish. This unusually rugged steel chassis measures 13 1/2 in. long (not including the two 1/2 in. long side mounting flanges), 9 3/4 in. wide, 3 in. tall. Each removable case measures 5 1/2 in. long, 3 1/4 in. wide, 5 1/2 in. tall. One of them has ventilation holes on two sides, for power transformer installation within. The tube shelf has five standard wafer socket holes punched out, a power transformer cut-out 5 in. long, by 2 1/2 in. wide. There is also provided elongated slots and four 1 1/2 in. diameter holes for accommodating two Victor 30 Henry 150 mil. chokes. A 1 1/2 in. diameter hole is also provided for filter condenser or audio transformer leads, on the right. Along the control panel, holes are punched out for two twin jacks, three volume controls, two toggle switches. Another twin-jack assembly is provided on the right side. On the rear shelf of the chassis, holes are provided for three standard wafer sockets, for use as additional speaker outlets, "A-B-C" voltage outlet to a \$3.65 tuner, etc., etc. Cat. No. 6109.....



\$3.65

**Adjustable Metal, Bakelite or Wood Circle Cutter
Ideal for Cutting out Socket and Meter Holes, Etc.**



Cuts holes from 1/2 in. to 4 in. in diameter. Made of the best materials possible. The cutting edge is made of the best tool steel and properly tempered. Can be used in any hand brace, breast drill or power machine. Drills its own pilot hole.

\$1.45

Cat. No. 5769.....

25c

Cat. No. 5770.....

Non-Adjustable Circular Saw Cutters

Choice of Squared or Round Shank

Cat. No. 5771. 1 1/4 in. Diam.

For Wafer **\$3.95**

Sockets.....

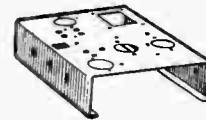
Cat. No. 7167. For 2 1/2 In. Diam. For Weston or Readrite Panel

Meters **\$4.95**

.....



4 Tube Short Wave Converter or Midget Receiver Cadmium Plated Chassis



Same as used in our Cat. No. 5586-5587 Four Tube Short Wave Converter. 9 in. long, 6 1/2 in. wide, 2 1/2 in. tall. No. 16 gauge steel, beautifully plated. Two 1/2 inch mounting flanges are provided—

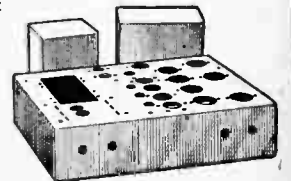
Note they face the interior of the chassis. A standard size A-C Transformer cut-out is provided, as well as cut-outs for four standard wafer sockets, three 1/2 in. diameter holes on the front panel, four convenient holes on the rear panel, and numerous other equally convenient holes on the top not above mentioned.

75c

Cat. No. 6110.....

8 or 9 Tube A. C. Receiver Chassis With Two Removable Shield Cases

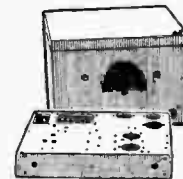
Handsome black shrivel crystalline finish, made of heavy gauge automobile chassis steel. Build the most compact "big set" possible. 13 1/2 in. long, 10 in. wide, 3 1/4 in. tall. The ventilated A. C. Transformer case measures 5 1/2 in. long, 3 3/8 in. wide, 5 1/2 in. tall. The other removable case measures 3 3/8 in. long, 3 3/8 in. wide, 5 1/2 in. tall. Four one-half inch holes are provided on the front shelf. A power transformer cut-out 2 1/4 in. wide by 5 in. long is provided on the top of the chassis, as well as cut-outs for 8 or 9 standard wafer sockets (mention number desired), three electrolytic condensers, 30 Henry 150 mil. Victor choke, and various other holes for variable condensers and r. f. inductance applications. On the rear shelf, there is provided a dynamic speaker outlet cut-out, as well as accommodation for three twin-jacks, and two toggle switches. Two mounting flanges are included—they face inwards.



\$3.75

Cat. No. 6111.....

5 Tube Short Wave Converter-Receiver or A.C. Midget Chassis — and Shielded Case



We use this same assembly in conjunction with our Cat. No. 5296-5297-5605-5606 Super-Heterodyne Short Wave Converters and Super-Heterodyne Receivers. The chassis itself measures 11 1/2 in. long, 9 1/4 in. wide, 2 in. tall. Cut-outs are provided for a triple anode oblong cased Electrolytic Condenser, A. C. Power Transformer, and five standard wafer sockets. On the front shelf of the chassis there are two volume control holes. On the rear shelf there is a standard wafer socket cut-out, as well as 8 other convenient holes. The handsomely crystalline finished auto steel shield fits snugly around the chassis, and measures over all 11 1/4 in. long, 9 7/8 in. wide, 8 in. tall. A cut-out is provided on same for an escutcheon of a tuning dial, and two additional 1/2 in. diameter holes for midget condenser, wave length switch, etc. The cover is removable. Large ventilation holes in the rear are another valuable feature.

\$3.95

Cat. No. 6112.....

Genuine Victor RE-32 Amplifier Chassis

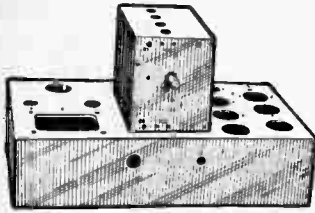
Furnished complete with 4 attached Wafer sockets, 2 line plugs, 1 Resistor mount. dual hum-bucking control mounting bracket and an unusually clever 16 contact terminal receptacle. 13 1/2 in. long, 10 1/4 in. wide, 2 in. tall. Note the variety of cut-outs, for mounting transformers, condenser blocks, etc.



95c

Cat. No. 5185.....

Cadmium Plated Universal Metal Chassis and De-Jur Amsco 4 Gang .00036 Shielded Variable Condenser

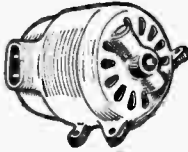


Chassis Available Separately If Desired

This chassis is made of extra heavy gauge handsomely cadmium plated steel, measuring 14 in. long, 7 3/4 in. wide, 3 1/2 in. tall. All corners are rigidly welded and extra strengthened. Two mounting flanges facing inwards are provided. The following cut-outs on the chassis surface are provided: Power Transformer, three electrolytic condensers, eight standard water sockets and many assorted small holes where the condenser mounts. The 4 gang condenser is of the valuable ball bearing design, and is equipped with individual section compensator, split segment end plates, etc. Measures 5 1/2 in. long, 3 1/2 in. wide, 4 1/2 in. tall—plus a 1 1/2 in. long, 3/8 in. diameter shaft.
 Cat. No. 6371. 4 Gang Condenser and Chassis, as illustrated **\$3.95**
 Cat. No. 6372. Chassis only **\$1.25**
 less condenser

110 Volt Universal AC and DC Electric Motor

Fully enclosed in a cast iron case, with four sturdy threaded mounting feet. 1/15th horsepower rating. Readily accessible commutator brushes. Slotted shaft makes easier coupling thereto. Overall dimensions: 5 7/8 in. long, 4 3/4 in. width, 4 in. tall.



Cat. No. 6373 **\$2.95**

Robbins and Myers 21 Volt A.C. Motor

Gives Dual Speed: 3300 R.P.M. and 19 R.P.M.



The main shaft (not visible on illustration) revolves at the rate of 3300 R.P.M., whereas the shaft on the right, adjacent to the step-down gear box, revolves only 19 R.P.M. Formerly used on Kolster Remote mechanisms. Can be used for many other purposes, such as store window slow motion demonstration turntables, etc. 5 3/4 in. long, 3 3/4 in. overall diameter.
 Cat. No. 6374. 21 Volt, 50-60 Cycle A.C. Model **\$3.95**
 Cat. No. 6375. 110 Volt, 50-60 Cycle A.C. Model **\$4.95**

G. E. Induction Motor Coils

Used in G.E. Induction Phono-Motors — Excellent for Experimenters

Used in General Electric, Radiola, Graybar, Westinghouse, Victor, Brunswick, Atwater Kent, Philco and many other makes of phonograph combinations. Two are required for each motor. For 110 volt, 60 cycle operation.



Cat. No. 6376 **\$1.45**

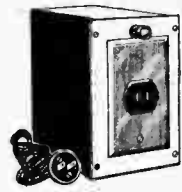
Build or Repair Your Own Microphone! Carbon Balls and Grains



Granular Carbon
 Cat. No. 2966 **50c**
 Per Bottle
Globular Carbon
 .037 in. Diameter
 Cat. No. 2967 .. **70c**
 Per Bottle

"Coast-to-Coast" Line Interference Eliminator

Heavy Duty Inductive and Capacity Type — Passes up to 5 Amperes!



For filtering out electrical disturbances, such as those caused by signs, flashers, motors, vacuum cleaners, electrical refrigerators, etc., etc., of the most stubborn nature, the most effective system to employ is that incorporating both capacitative and inductive filtering principles, as so well used in this model. Ideal for use between the line and your receiver, when it is impossible, or not practical, to attach an interference eliminator right at the source itself!

Cat. No. 5446 **\$7.95**

Jr. Model

This model has been found to serve the purpose of noise interference elimination in all but the most stubborn cases. It is built into a bakelite wall case.



Cat. No. 5447 **\$4.95**

Capacitative Line Filter



Excellent designed for use right at the source of electrical interference—simply insert plug of offending electrical apparatus into receptacle provided thereon—and insert cord and plug into wall socket receptacle—ground the binding post provided. Enclosed in a metal wall-plate case of conventional size. Cannot blowout!

Cat. No. 2942 **\$2.95**

I. C. A. Resistovolt

Stops tubes from blowing out and prevents them from being strained by excessive house current voltage. Local line voltages vary 30% or more. This means that tubes designed for 110 volts have to be operated anywhere from 95 to 135 volts. Levels out the current supply as to give at all times the most efficient operating voltage. Clears up reception by eliminating fading. Resistovolt plugs into house current outlet and set plugs into Resistovolt. Operates on A.C. or D.C. current—110, 220 volts, all cycles, including 32 volt farm system. Light Duty—for sets using up to 6 tubes. Heavy Duty—for sets with over 6 tubes.



Cat. No. 6377 **\$1.05**

Capacity Type Interference Filter



Here's a highly serviceable filter that does away with "man-made static" caused by motors, elevators, bells, refrigerators and other electrical appliances. As a pure capacity filter, there is no danger of burnouts. Built into a neatly finished, all bakelite box. Size of Bakelite Box: 4 5/8" x 2 7/8" x 1 3/4".

Cat. No. 6378 **\$2.75**

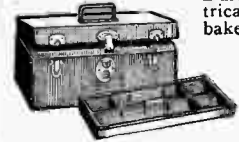
Make Your Own Home Recording Outfit or Microphone With This Skinderviken "Mike" Button

Smallest microphone made, measuring only 3/4 in. in diameter. By means of this microphone button a great many experiments can be made. It can be used as a detector-graph (dictophone) to listen-in secretly on conversations. Very good sensitivity. With a Skinderviken button you can make a powerful Hand-microphone.



Cat. No. 810 **45c**

Serviceman's Tool and Repair Parts Kit

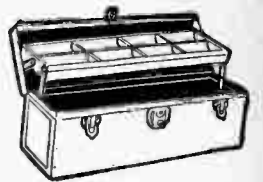


Durably constructed—electrically welded, olive green baked enamel cold rolled steel. Attractive fittings. Removable small parts tray. Ample space below. Size: 14 in. x 6 1/2 in. x 6 in. Equipped with keys and lock.

Cat. No. 5671..... **85c**
 Cat. No. 5672..... **\$1.65**
 Same, but 19 in. long.....

Automatic Cantilever Tray Tool Kit

Serves same purpose as above described but features a cleverly constructed rising and falling tray mechanism—fool-proof! An embossed rule is furnished on the cover.



Cat. No. 7196 **\$1.00**
 14 in. x 6 1/2 in. x 6 in..... **\$1.95**
 Cat. No. 5674.
 19 in. x 6 1/2 in. x 6 in.....

Portable Leatherette Covered Carrying Case



Combines completely removable front and back, with the additional feature of a two piece hinging cover. Inside dimensions: 18 in. long, 10 1/2 inches high, 8 in. deep. Provision

for speaker baffle, if a portable receiver or amplifier is to be housed within. The front is covered with an attractively patterned cloth. Weighs only 6 1/2 lbs.

Cat. No. 5670..... **\$2.95**

Senior Size Leatherette Covered Portable Carrying Case



Ideal for Large Size Public Address Amplifiers with Associated Equipment—Also Make Excellent Portable Dynamic Speaker Baffle Chambers!

Overall size: 21 in. long, 12 3/4 in. wide, 17 in. tall. Amplifier chamber inside dimensions are 20 in. long, 12 in. deep, 9 in. tall. The three compartments are employed for storing a self-contained or removable control board, pre-amplifier, microphone, etc. The large one measures 10 1/2 in. long, 12 in. deep, 6 3/4 in. tall, and the two smaller compartments measure 4 5/8 in. long, 12 in. deep, 6 3/4 in. tall. If this case is to be used as a dynamic speaker baffle chamber, we will furnish a 1 in. thick CELOTEX baffle measuring 20 in. long by 15 3/4 in. tall (12 in. depth.) If you desire a hole drilled out in the baffle, specify diameter desired. Attractive gold finish fittings. Equipped with lock and key. Durably constructed! Actual weight: 14 1/2 lbs.
 Cat. No. 6379. **\$15.00**
 As Illustrated with compartments.....

Cat. No. 6380. Equipped with Celotex Baffle Board, for DYNAMIC SPEAKER USE..... **\$16.50**
 (Compartments Illustrated Not Included.)

Carbon Back-Plates (Microphone Buttons)

3/4 in. diameter, .195 in. thick.
 Cat. No. 2969 **40c**
 Each



Electrad Standardized VOLUME CONTROLS and POTENTIOMETERS



Five Models Indicated Below Can Service 799 Different Receivers!

Although there are 24 circuits in popular use for volume controls, yet five controls can be universally adapted therein. In order to make each type control as universally applicable as possible, all types are potentiometers except where an off position is desirable as in RI-204. Where a rheostat type is needed only two of the terminals are used. When a volume control is used in a series circuit, it has a regular or right-hand taper. This means that the resistance of the first quarter-section is higher than that of the second quarter-section, etc. When control is used in a shunt circuit, it has a reverse or left-hand taper. That is, the first quarter-section has lower resistance than the second quarter-section, etc. When resistance of all sections is equal, the taper is linear or uniform. All tapers are equal, the taper is linear or uniform. All these replacement controls have insulated bushings. No insulating washers are needed when mounting the unit on metal panel. All shafts are over-size, 1 3/16 in. long; they can be easily sawed off to length if necessary. Overall diameter, 17/16 in. If your purpose in purchasing these controls is to employ them as universal replacements, be guided by this authentic table:

- 15,000 Ohm Model Will Service 314 Receivers!
- 75,000 Ohm Model Will Service 194 Receivers!
- 10 Ohm Model Will Service 155 Receivers!
- 500,000 Ohm Model Will Service 85 Receivers!
- 50,000 Ohm Model Will Service 51 Receivers!

Available in Following Resistances:

Type No.	Value in Ohms	Taper of Control	Type No.	Value in Ohms	Taper of Control
RI-204	10	Uniform	RI-278	6000	Reverse
RI-269	20	Uniform	RI-240	10,000	Reverse
RI-270	30	Uniform	RI-283	10,000	Uniform
RI-271	50	Uniform	RI-291	15,000	Reverse
RI-272	100	Uniform	RI-279	25,000	Uniform
RI-273	200	Uniform	RI-280	25,000	Reverse
RI-274	400	Uniform	RI-241	30,000	Reverse
RI-282	600	Uniform	RI-205	50,000	Uniform
RI-275	800	Uniform	RI-202	75,000	Regular
RI-276	1000	Uniform	RI-242	100,000	Reverse
RI-232	2000	Uniform	RI-281	200,000	Uniform
RI-233	3000	Uniform	RI-208	250,000	Reverse
RI-277	4000	Uniform	RI-203	500,000	Reverse
RI-234	6000	Uniform	RI-206	1,000,000	Reverse

*NOTE: Uniform taper means that resistance variation is proportional to percent rotation of knob. Reverse taper means that resistance change per degree of clockwise rotation increases. Regular taper means that resistance change per degree of clockwise rotation increases.

- Cat. No. 5436 Less A.C. Switch **60c**
- Cat. No. 5437 With Self-Contained A.C. Switch 85c

ELECTRAD DUAL POTENTIOMETERS

Your Resistance Values Cost

Cat. No. 6015	3,800 - 3,800 Ohms	.95
Cat. No. 6016	6,000 - 25,000 Ohms	1.15
Cat. No. 6017	10,000 - 50,000 Ohms	1.50
Cat. No. 6018	10,000 - 250,000 Ohms	1.65
Cat. No. 6019	50,000 - 50,000 Ohms	1.75

Electrad's Complete Resistor and Volume Control Replacement Hand Book



Genuine Dupont Fabrikoid Flexible Cover—Loose Leaf

Here is a book as necessary in the radio service man's kit as pliers, or a screw-driver. A perpetual guide to resistor and volume control values, kept constantly up-to-date, by revised lists mailed to you four times a year. It shows you at a glance, exactly the value of resistor or volume control required for the job in hand, so that replacements can be made with accuracy. Never before has such a complete, convenient guide been published for the service man. You need it now. Use it every day. Your helper need it. It's the biggest \$1 "tool" in the service man's kit. **\$1.00**

Cat. No. 6020

Clarostat "Ad-A-Switch" Wire Wound Potentiometers —Volume Controls and Switch Coverplates



The A. C. Switch unit cover can be snapped onto any of these controls, at will—takes a moment! Insulated shafts, 2 in. long. Bakelite shell extends 3/4 in. behind panel, and is 1 1/4 in. round.



Cat. No. 5441 (Net Prices herewith quoted do not include A. C. switch)

Resistance Ohms	Characteristics of Resistance Element and Suggested Uses of Units	Price
50	Standard potentiometer, no taper	45c
100	Standard potentiometer, no taper	
200	Standard potentiometer, no taper	
300	Standard potentiometer, no taper	
400	Standard potentiometer, no taper	
500	Standard potentiometer, no taper	

750	Standard potentiometer, no taper
1,000	Standard potentiometer, no taper
1,000	Tapered potentiometer for untuned antenna control
2,000	Standard potentiometer, no taper
2,000	Tapered potentiometer for untuned antenna control
2,000	Tapered potentiometer for "C" bias control
3,000	Standard potentiometer, no taper
3,000	Tapered potentiometer for combined antenna and "C" bias control
3,000	Tapered potentiometer for "C" bias control

55c

5,000	Standard potentiometer, no taper
5,000	Tapered potentiometer for combined antenna and "C" bias control
5,000	Tapered potentiometer for "C" bias control
7,500	Standard potentiometer, no taper
7,500	Tapered potentiometer for combined antenna and "C" bias control
7,500	Tapered potentiometer for "C" bias control
10,000	Standard potentiometer, no taper

10,000	Tapered potentiometer for antenna or R.F. coil control
10,000	Tapered potentiometer for combined antenna and "C" bias control
10,000	Tapered potentiometer for "C" bias control
10,000	Tapered potentiometer for screen grid voltage control
15,000	Standard potentiometer, no taper
15,000	Tapered potentiometer for combined antenna and "C" bias control
15,000	Tapered potentiometer for screen grid voltage control
20,000	Standard potentiometer, no taper

62c

20,000	Tapered potentiometer for "C" bias control
25,000	Standard potentiometer, no taper
30,000	Standard potentiometer, no taper
40,000	Standard potentiometer, no taper
50,000	Standard potentiometer, no taper

74c

Ad-A-Switch

Fits onto any of the above controls! Cat. No. 5442. **29c**

C. R. L. Potentiometers and Volume Controls



Absolutely noiseless, due to the rocking principle employed, as contact is indirectly made along surface of resistance.

Cat. No.	Resist. Value	Type
5382.	5,000 Ohms	Vol. Control
5384.	10,000 Ohms	Poten.
5385.	25,000 Ohms	Poten.
5386.	75,000 Ohms	Vol. Control
5387.	250,000 Ohms	Poten.

Each **35c**
Per Dozen, \$3.75

Centralab—Carter—Frost—Wire Wound and Graphite

Assorted Volume Controls and Potentiometers

Some Are Equipped With Self-Contained A. C. Switches



Range: 200 Ohms to 500,000 Ohms!

In a kit of these controls you will find one to suit the particular circuit requirements of the moment—of course you will fare better along these lines with a larger size kit as the ranges and types included would be that much more extensive. If you are not fully pleased with your purchase return these Ass't'd. Controls to us at once for full credit!

- Cat. No. 5743. **\$2.35**
- Ass't'd Kit of 6. **\$4.45**
- Cat. No. 5744. **\$7.50**
- Ass't'd Kit of 12. **\$7.50**
- Cat. No. 5745. **\$7.50**
- Ass't Kit of 24. **\$7.50**

C. R. L. Dual Range Potentiometer

10,000 and 250,000 Ohms



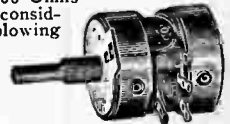
Offers many interesting and valuable applications. Very smooth running and noiseless. When connected in antennae and screen grid circuits, incoming signals are reduced proportionately with the amplification constant of the R. F. amplifier, thereby eliminating detection in R. F. amplifier and consequent distortion. May also be used for volume control with phonograph pickup. When both resistances are connected in parallel a constant impedance volume control is formed, which is ideal for volume control work in public address and other amplifying systems. **35c**

Cat. No. 338. Each **35c**
\$3.50 Per Dozen

Victor Dual Range Volume Control

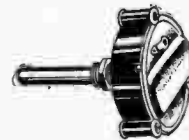
3,000-3,800 Ohms

Guaranteed to stand considerable use without blowing out. Used on all VICTOR sets—can find valuable use on all sets. Can be used as a phono. pick-up fader.



\$4.25 Per Dozen, \$7.85 per 25 **39c**
Cat. No. 332. **39c**

Clarostat Panel Mount Tone Control Unit



Ideal for incorporating a tone control or to an amplifier or receiver chassis. Bakelite cased. The shaft is insulated and is unusually long, viz., 2 inches. Standard threaded one hole mounting. The proper value condenser is self-contained and is permanently connected to the circuit. 1 3/4 in. diameter. Contains a .006 condenser. **80c**

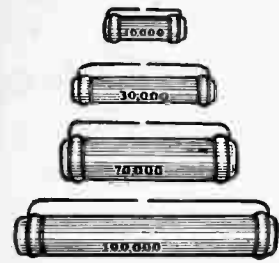
"Symphonic" Combined Table and Panel Mount Tone Control

The listener may adjust the tonal qualities of his receiver at will, and is enabled to get the blending of tones which suits him best, rather than being forced to accept what seemed best to the original designers of the receivers. In reality, one becomes the very leader of a huge symphonic orchestra—right in your own armchair! You become master of your interpolations of tonal effects! Enclosed in a crystalline finished metal case, 2 1/2 inch diameter 3 inches high. 36-inch long leads! Note provision for base mounting, if desired. **\$1.95**

- Cat. No. 1996 **\$1.95**
- PENTODE AND '46 TYPE MODEL
- Cat. No. 1997 **\$2.45**



"COAST-TO-COAST" WIRE-WOUND "PIG TAIL" 2-5-12-18 WATT RESISTORS



We take pleasure in announcing this new line of wire wound resistors designed especially to meet requirements for low priced high resistance units of small dimensions and high wattage carrying capacity. Wound on a porcelain tube with a special high grade resistance wire of low temperature coefficient. Completely coated with a newly developed refractory compound which resists wear and will not chip or crack. All units are provided with pig tail terminal leads 2" long for convenient mounting and wiring.

Cat. No.	Watts	Resist. Ohms	Dimensions	Your Cost
6488	2	500	3/4" x 1 1/2"	20c
6489	2	1,000	3/4" x 1 1/2"	
6490	2	5,000	3/4" x 1 1/2"	
6491	2	10,000	3/4" x 1 1/2"	28c
6492	5	1,000	3/4" x 1 3/4"	
6493	5	5,000	3/4" x 1 3/4"	
6494	5	10,000	3/4" x 1 3/4"	
6495	5	20,000	3/4" x 1 3/4"	
6496	5	30,000	3/4" x 1 3/4"	34c
6497	12	5,000	7/8" x 2"	
6498	12	10,000	7/8" x 2"	
6499	12	20,000	7/8" x 2"	44c
6500	12	30,000	7/8" x 2"	
6501	12	40,000	7/8" x 2"	
6502	12	50,000	7/8" x 2"	40c
6503	12	70,000	7/8" x 2"	
6504	18	10,000	7/8" x 3"	
6505	18	20,000	7/8" x 3"	50c
6506	18	30,000	7/8" x 3"	
6507	18	40,000	7/8" x 3"	60c
6508	18	50,000	7/8" x 3"	
6509	18	75,000	7/8" x 3"	
6510	18	100,000	7/8" x 3"	

Variable Sliding-Band Voltage Dividers



Expressly designed for use as replacements in standard and in custom designed receivers as voltage dividers where it is essential to determine the EXACT voltage necessary, for the most efficient operation, of the tubes, deriving their individual plate voltage, from a particular tap. You just vary the movable slider, and tighten the clamp contact when the desired voltage is obtained. 75 WATT RATING.

TRIPLE TAPPED MODEL	
3/4 Inch Diameter, 4 1/2 Inches Long	
Cat. No. 2207.	75c
Total Resistance 5,000 ohms.....	
Cat. No. 2208.	80c
Total Resistance 10,000 ohms.....	
Equipped With 4 Variable Taps	
3/4 Inch Diameter, 4 1/2 Inches Long	
Cat. No. 2208-A.	80c
Total Resistance 13,000 ohms.....	
Cat. No. 2209.	90c
Total Resistance 15,000 ohms.....	

Equipped With 6 Variable Taps	
3/4 inch diameter, 6 inches long	
Cat. No. 2214.	\$1.15
Total Resistance 20,000 ohms.....	
Cat. No. 2211.	\$1.25
Total Resistance 25,000 ohms.....	
Cat. No. 2212.	\$1.35
Total Resistance 31,000 ohms.....	

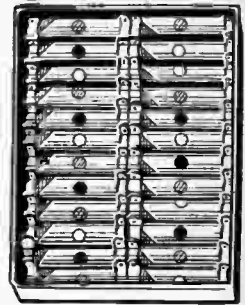
Equipped With 6 Variable Taps	
3/4 inch diameter, 6 inches long	
Cat. No. 2214.	\$1.45
Total Resistance 36,000 ohms.....	
Cat. No. 2215.	\$1.55
Total Resistance 41,000 ohms.....	
Cat. No. 2216.	\$1.75
Total Resistance 45,000 ohms.....	
Cat. No. 2217.	\$1.85
Total Resistance 50,000 ohms.....	

"Rainbow Brand"--R.M.A. Color Coded--"Ace High" Quality Carbon Pig-Tail Resistors

Available In 1/2-1-2 and 3 Watt Sizes



The material in these resistors is uniform and homogeneous and will not deteriorate. Not affected by atmospheric conditions and permanently maintain their accuracy. LOW VOLTAGE AND TEMPERATURE CHARACTERISTICS: Variation of resistance with current flow, or voltage drop, is usually small. Temperature coefficient is negative and is comparatively small. TROUBLE-PROOF ELECTRICAL CONNECTIONS: Wire leads are soldered to heavy coppered resistor ends. QUIETNESS: These units are quiet in operation. This is a point of considerable importance in many resistor applications. PERMANENCY: The units retain a constant resistance. Will operate without failure at double their rated load. STURDINESS: The units are molded under high pressure, are solid throughout and have a resistance to breakage from vibration and shock. These Resistors are covered with colored insulating lacquers, preventing dust and other deposit from affecting them. Resistors under this code carry three colors placed in three positions.



AVAILABLE IN FOLLOWING RESISTANCE VALUES:

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	1 megohm
100	400	800	2,000	4,000	8,000	20,000	40,000	75,000	250,000	1 1/2 megohms
150	500	1,000	2,500	5,000	10,000	25,000	50,000	100,000	500,000	2 megohms
250	600	1,500	3,000	6,000	15,000	30,000	60,000	125,000	750,000	3 megohms

When Ordering, Please State Catalog Number and Mention Resistance Values Desired:

NOTE: The 2 and 3 Watt Sizes are not Available Above 100,000 Ohms.	Cat. No. 6511	Cat. No. 6512	Cat. No. 6513	Cat. No. 6514
ONE-HALF WATT	ONE WATT	TWO WATT	THREE WATT	
1/2 in. Long	1 1/4 in. Long	2 in. Long	2 1/2 in. Long	
Each 10c	Each 10c	Each 15c	Each 25c	

Assorted Kit of 12
\$1.00

Assorted Kit of 12
\$1.00

Assorted Kit of 12
\$1.75

Assorted Kit of 12
\$2.75

Assorted Kit of 25
\$1.95

Assorted Kit of 25
\$1.95

Assorted Kit of 25
\$2.90

Assorted Kit of 25
\$5.25

ELECTRAD. Movable Band "Truvolt" Adjustable Resistors



Permits Accurate Resistance Values Under Load Tests!

Through the use of extra sliding clips intermediate values can readily be obtained. Greatly appreciated by service men and experimenters, since it makes the Truvolt All-Wire Resistors ideal for replacement and laboratory work.

Type	Resistance in Ohms	Current in Milliamperes	Price	
Cat. No. 4600. 25 Watts — 2 inches long.				
B-1	100	1500	50c	
B-5	500	224		
B-10	1000	158		
B-15	1500	129		
B-20	2000	112		
B-25	2500	100		
B-30	3000	91		
B-40	4000	79		
B-50	5000	71		
B-70	7000	60		
B-75	7500	58	58c	
B-100	10000	50		
B-150	15000	41		
B-200	20000	35		
B-250	25000	32		
B-300	30000	29		
B-400	40000	25		
B-500	50000	22.5		
Extra Sliders 6c each				

Wire Wound 5 Watt Midget Resistors

Covered with a protective coating which hermetically seals the unit, thus preventing oxidation or deterioration. There is no danger to the wire from heating and cooling as the thermal expansion of the coating corresponds closely to that of the wire. May be run way beyond their rated capacity without danger to them from deterioration or "burn-outs." Due to their extreme compactness (only 1 in. to 1 1/4 in. long!) pig-tail wire leads can be soldered to the copper lugs provided, thereby giving you flexible choice of installing them. They are ideal wherever space is at a premium and when 100% accuracy and long life and noise-free characteristics are most essential!



"Coast-to-Coast" 10 to 75 Watt Wire-Wound Vitreous Enamelled Resistors



Covered with heat-resisting, insulating enamel, this protects the wire from the effects of moisture, oxidation or mechanical injury. The lugs are already coated with solder, offering a great and valuable convenience. We truly believe these are the finest possible quality resistors obtainable.

Wattage	Resistance	Our Price	Our Price	Our Price	Our Price
10 Watt	1 1/2 x 3/8	25c	30c	45c	50c
20 Watt	2 x 1/2	25c	30c	45c	50c
50 Watt	4 x 1	25c	30c	45c	50c
75 Watt	5 x 1	25c	30c	45c	50c
1,000	30c	35c	50c	55c	60c
1,200	30c	35c	50c	55c	60c
1,500	30c	35c	50c	55c	60c
2,000	30c	35c	50c	55c	60c
2,250	30c	35c	50c	55c	60c
2,500	30c	35c	50c	55c	60c
3,000	35c	50c	55c	60c	65c
4,000	35c	50c	55c	60c	65c
5,000	35c	50c	55c	60c	65c
7,500	35c	50c	55c	60c	65c
10,000	35c	50c	55c	60c	65c
15,000	35c	50c	55c	60c	65c
20,000	35c	50c	55c	60c	65c
25,000	35c	50c	55c	60c	65c
In Lots of 12 (any assortment), deduct 10%.					
In Lots of 24 (any assortment), deduct 15%.					

Wire Wound 5 Watt Midget Resistors Available in the Following Values:

1	5	20	100	750	1500	4000	7500	15000
2	7.5	25	200	850	2500	5000	8000	20000
2.5	10	50	300	1000	2000	6000	9000	25000
3	15	75	500	1250	3000	7000	10000	
Your Choice of Any Value 5 Watt Wire-Wound Resistor. Cat. No. 1748..... 30c								
Kit of 12 Assorted Resistors of Your Choice. Cat. No. 1749..... \$3.40								
Kit of 25 Assorted Resistors of Your Choice. Cat. No. 1750..... \$6.60								

Lynch or IRC Metalized "Pig-Tail" Resistors



Available in Following Values:

Ohms.	Ohms.	Ohms.	Ohms.
500	8,000	100,000	2,000,000
750	9,000	100,000	2,500,000
1,000	10,000	125,000	3,000,000
2,000	12,000	150,000	3,500,000
3,000	15,000	200,000	4,000,000
4,000	25,000	250,000	5,000,000
5,000	30,000	300,000	6,000,000
6,000	40,000	500,000	7,000,000
7,000	50,000	750,000	8,000,000
	60,000	1,000,000	9,000,000
	75,000	1,500,000	10,000,000

Cat. No. 6437 1/2 Watt Size—**18c**
Any Ohmage
Cat. No. 4550. 1 Watt size—**18c**
Any Ohmage
Cat. No. 4551. 2 Watt size—**24c**
Any Ohmage

FREE: One Dollar Copy "Service Man's Resistor Manual" with Each Purchase of a

Lynch Handipak Resistor Assortments

Packed ten resistors to a packet.

Cat. No. 6438. Handipak No. 1 Contains one each ONE WATT Resistors: 500-1000-2,000-10,000-20,000-50,000—**\$1.77**
100,000-250,000-500,000 Meg.
Cat. No. 6439 Handipak No. 2 contains 1 each ONE-WATT RESISTORS: 250-100-5,000-15,000-25,000-40,000-60,000-70,000-200,000—**\$1.77**
1 Meg.

Cat. No. 6440. Handipak No. 3. Contains one each TWO WATT Resistors: 500-1,000-2,000-2,500-3,000-5,000-10,000-20,000-25,000—**\$2.35**
60,000 Ohms

Serviceman's Resistor Replacement Manual

Contains extremely valuable information for every user of resistors!
Cat. No. 6479 **\$1.00**

Lynch Metallized Motor Spark Plug Suppressors

Completely eliminate spark plug and distributor disturbances, when operating radio while car is running—yet do not impair efficiency of motor. Universal mounting provision—will fit any car. Every car requires a suppressor for each spark-plug, one distributor head suppressor and one generator silencer condenser.



Cat. No. 3006. Spark-Plug Model
Cat. No. 3007. Spark-Plug Model—cable type, for Buicks, etc.
Cat. No. 3008. Distributer Head Model
Cat. No. 3009. Generator Condenser Silencer **44c**

Suppressor Kits



A generator silencer condenser is also included.
Cat. No. 2918. Kit for 4 Cylinder Cars **\$1.93**
Cat. No. 2919. Kit for 6 Cylinder Cars **\$2.50**

Cat. No. 2920. Kit for 8 Cylinder Cars **\$3.09**

Lynch Precision Wire Wound Resistors



Accuracy Within One Per Cent!

Range	Price
1 to 9 Ohms	\$ 1.47
10 Ohms	1.11
25	.92
50	.92
100	.92
150	.92
200	.92
500	.92
1,000	.92
2,500	.92
5,000	.92
10,000	1.11
12,500	1.11
20,000	1.11
25,000	1.11
30,000	1.11
35,000	1.11
40,000	1.11
50,000	1.11
60,000	1.11
75,000	1.11
100,000	1.47
125,000	1.47
150,000	1.84
175,000	1.84
200,000	1.84
225,000	2.02
250,000	2.02
300,000	2.21
400,000	2.58
500,000	2.96
750,000	3.67
1,000,000	4.77
1,250,000	5.50
1,500,000	5.50
1,750,000	6.61
2,000,000	7.35
2,250,000	9.20
2,500,000	11.03

Lynch Pig-Tail Type "Precision" Wire Wound One Watt Resistors



Non-Inductive—Tolerance Plus or Minus 1%

Have hollow ceramic forms for mounting gangs of these resistors on a common center rod or screw.
Cat. No. 7213. Mention Resistance Value Desired.

Ohms	YOUR COST	Ohms	YOUR COST
200	56c	125,000	1.50
1,000	60c	150,000	1.88
2,500	60c	175,000	1.88
5,000	75c	200,000	1.88
7,500	75c	225,000	2.06
10,000	75c	250,000	2.06
15,000	75c	300,000	2.25
20,000	86c	400,000	2.63
25,000	93c	500,000	3.00
35,000	93c		
50,000	1.13		
100,000	1.50		

Lynch 5 Watt Pig-Tail Power WIRE WOUND Resistors

The special feature of these new resistors is the molded in pigtail connections, similar to the Lynch Precision Wire Wounds. This feature alone makes them distinctively different in electrical efficiency, inasmuch as in the ordinary resistor of this type the end connections are either soldered, spot welded, or strapped to the terminals. By this method you are assured of a positive connection and freedom from change in value due to moisture absorption and corrosion.

Available in the following values:
25 ohms 700 ohms 5,000 ohms
50 " 800 " 6,000 "
75 " 900 " 7,000 "
100 " 1,000 " 8,000 "
200 " 1,250 " 9,000 "
250 " 1,500 " 10,000 "
300 " 2,000 " 11,000 "
400 " 2,250 " 12,000 "
500 " 2,500 " 13,000 "
600 " 3,000 " 14,000 "
" 4,000 " 15,000 "

Cat. No. 7214. Mention Resistance Value Desired **29c** Each

Variable Grid Leak

Variable from .1 (100,000 ohms) to 10 megohms. Micrometer screw adjustment. Fits any standard grid leak mount. Very flexible in application. **28c**
Cat. No. 2206.

R.C.A. Voltage Divider

For Radiolas 18, 33 and 51 and all similar circuits.
Wound most compactly on a strip of bakelite. R.C.A. part No. 2242. 4 1/2 inches long. Consists of two separate resistors, one being 1,600 ohms, and the other is 2,340 ohms, tapped at 1,900 ohms. **25c**
Cat. No. 2222. Each
\$2.75 Dozen

Porcelain Voltage Divider

Comprising one 3200 ohm section and one 1665 ohm section, which section is tapped at 330 and 950 ohms.
Used on Radiola 42, 48, Victor 14, 15, General Electric T-41, Westinghouse WR-4, Graybar 678. Part No. 7117. **35c**
Cat. No. 6482.

Kolster Wire Wound Resistances

For KOLSTER SET K-24 (Part No. 3938). Total: 7,835 ohms, tapped at 3,400; 3,800; 55, 80, 40, 350 ohms. **65c**
Cat. No. 1457.
KOLSTER part No. 4919. Total: 3,700 ohms, tapped at 500; 2,100; 3,100 ohms. **32c**
Cat. No. 1458.
\$3.60 per dozen

32,500 ohm Tapped Voltage Divider

4 3/8 in. long, 1 in. diameter.
Tapped as follows: 5,000-7,500-17,500-2500 ohms. **45c**
Cat. No. 6483.

13,000 ohm Tapped Voltage Divider

5 in. long, 3/4 in. diameter.
Tapped as follows: 2,000-4,500-13,000 ohms. **65c**
Cat. No. 6484.

Wire-Wound Grid Suppressors

Your Choice: From 1 ohm to 3,000 ohms—including every resistance value available. **12c** Each
\$1.25 per dozen
Cat. No. 350. Flexible Type.
Cat. No. 351. Rigid Type
State value resistance desired

Peerless Courier No. 22 Voltage Divider

Contains two separate sections of 100,000 and 2,500 ohms. Also following sections in series: 3,000-15,000-100,000-500,000 ohms. **59c**
Cat. No. 2917.

"Surplus-Low-Priced" Carbon Pigtail Resistivity Kits



We suggest you order these carbon resistors in a miscellaneous assortment, and measure the individual resistance values on an ohm-meter and employ them accordingly. These kits are well apportioned from huge barrels into which have been placed resistors ranging in value from 100 ohms clear up to 10 megohms, in every possible resistance value between.
Cat. No. 4584. Asst'd **\$2.45**
Kit of 50 Resistors
Cat. No. 4585. Asst'd **\$4.45**
Kit of 100 Resistors
Cat. No. 4586. Asst'd **\$7.95**
Kit of 200 Resistors

Ohmite Standard Resistor Blanks



For Thordarson, Amer Tran, Loftin-White and all Standard
Power Packs. **95c**
Cat. No. 347
For 171 Packs (13,000 ohms)
Cat. No. 348 For 245 and Pentode Packs (13,000 ohms) **\$1.35**
Cat. No. 349. For 250 Packs (41,000 ohms) **\$3.25**
Cat. No. 1451. 10,950 ohms, with 6 taps **85c**
Cat. No. 1452. 18,100 ohms, with 6 taps **95c**

Amer Tran Voltage Divider

For 250 Power Amplifiers

Total: 41,000 ohms, tapped at 6,000, 2,700, 2,000, 2,300, 8,000, 5,000, 7,000, 8,000 ohms. Note handy mounting bracket.
Cat. No. 631 **\$2.95**

For 245 and 247 Amplifiers

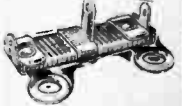
Constructed similarly to the 250 model above, and as illustrated. Wire-wound, vitreous enameled. Sturdy bracket mount. Tapped: 2,000-3,000-3,000-2,000 ohms. Total 13,000 ohms. **\$2.30**
Cat. No. 2205

Wire Wound Resistance Strips

High grade, German silver resistance wire wound on heat resisting insulation. Resistance: 10 ohms per inch.
Cat. No. 2049 **\$1.00**
6 Foot Strip

Center Tapped Resistors

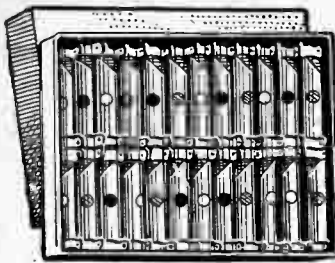
Eliminates Hum in A.C. Circuits



Cat. No.	Resistance Ohms	Cat. No.	Resistance Ohms
632	6	637	.25
633	8	638	.30
634	10	639	.40
635	15	640	.50
636	20	641	.60
		642	.64

Your Choice **15c**
Each
\$1.50 Per Dozen

Standard R. M. A. Color Coded "Synthetic" Pig-Tail Resistors Acknowledged Superior to Carbon Type Resistors!



Fully realizing the need of a really good, low-priced Pig-Tail Resistor, we have closed a contract with one of the largest and most reliable resistance manufacturers in the country, to manufacture these first quality resistors in exact accordance with our most rigid specifications, which are as follows: They are Zapon and Duco colored, in strict accordance with the R. M. A. resistance color code of 10 color combinations, 3 colors appearing on each resistor. (A color code chart is included free with each resistor order.) They are very conservatively rated, and enjoy a tolerance of plus or minus 10%. The resistor ends are silver-plated before the broad surface contact band is most rigidly, electrically and mechanically fastened in place, assuring a life-long, noiseless and corrosion-free contact, and



performance. The Duco enamel covers the entire resistor, and thereby makes them absolutely impervious to atmospherics, eliminating any possible change in resistance variation. A porcelain tube is used, and not carbon, making them extremely durable. They are not subject to the ravages of age. Note that the tinned "pig-tails" themselves are not connected to the resistance proper, but make a perfect and life long contact with the wide band encircling the silver plated resistor ends. Length, 1 watt size: 1 1/2 in.; 2 watt: 1 3/4 in.; 3 watt: 2 in.

1-2 and 3 Watt Types Available in the Following Resistance Values:

Ohms.	Ohms.	Ohms.	Ohms.	Ohms.	Ohms.	Ohms.	Ohms.	Megohms
100	500	1,500	4,000	10,000	30,000	75,000	250,000	1 megohm
150	600	2,000	5,000	15,000	40,000	100,000	500,000	1 1/2 megohms
250	800	2,500	6,000	20,000	50,000	125,000	750,000	2 megohms
400	1,000	3,000	8,000	25,000	60,000			3 megohms

ONE WATT

Cat. No. 1736 **17c**
Each
Cat. No. 1739. Kit of 12 assorted \$1.80
Cat. No. 1740. Kit of 24 assorted \$3.35
Cat. No. 1741. Kit of 50 assorted \$6.50

TWO WATT

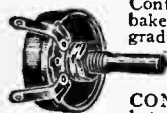
Cat. No. 1737 **22c**
Each
Cat. No. 1742. Kit of 12 assorted \$2.40
Cat. No. 1743. Kit of 24 assorted \$4.55
Cat. No. 1744. Kit of 50 assorted \$9.00

THREE WATT

Cat. No. 1738 **33c**
Each
Cat. No. 1745. Kit of 12 assorted \$3.35
Cat. No. 1746. Kit of 24 assorted \$6.30
Cat. No. 1747. Kit of 50 assorted \$12.50

NOTE: Any of these Resistor Kits can be ordered to consist of your own selection of resistance values, or, we will exercise our own good judgment in making up a flexible assortment of the most popular resistors.

Multiple-Condenser Tapped Tone Control



Contained within a 1 3/4 in. diameter bakelite chamber, there are 7 graduated condensers—the contact arm noiselessly glides over them and in that manner affords the finest TONE CONTROL medium on the market. Capacity ranges from 50 Mmf. to .006. Working voltage: 400 volt D.C. 1 in. long, 3/4 in. diam. shaft. Only 3/8 in. thick! Cat. No. 6515..... **85c**

Carter 15,000 Ohm Wire Wound Rheostat with Two S.P.S.T. Switches

When contact arm reaches a certain point, one switch is closed and the other is opened. Can be universally adapted to a host of valuable purposes. 1 3/4 in. diam., 1 3/4 in. long, 1 in. long shaft (3/4 in. diam.). **85c**
Cat. No. 6519.....



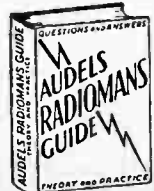
Carter 10,000 Ohm Wire Wound Heavy Duty Potentiometer



Dissipates 15 Watts. Carries 35 mls. Excellent for Kolster sets. 2 3/8 in. diameter, 3/8 in. thick, 1 1/2 in. long, 3/4 in. diam. shaft. Single hole mount. **65c**
Cat. No. 6518.....

Every Radio Man Should Own a Copy of This Big and Valuable Book

586 PAGES! FITS THE POCKET!
A practical concise treatise presenting in easily understood form the theoretical and practical information necessary for the proper operation, maintenance and service as applied in MODERN RADIO PRACTICE by FRANK D. GRAMHAM. Large type—clear illustration—fine paper—flexible binding with red edges—a book worthy of owning. **98c**
Cat. No. 3014.....



2 Ohm—2.5 Amp. Base Mounting Amsco Rheostat



2 1/2 in. bakelite frame. Diameter 3/4 in. thick. No shaft required. **12c**
Cat. No. 6522.....
Per Dozen, \$1.00

Fusible Line Cap

Ideal for radio dealers and service men for fusing radios not already protected, and for general use around the laboratory. Holds two standard size Radio Fuses. Moulded black finish, 13/32" cord hole. Fits all standard outlets.

When fuse blows, you can replace it very easily—much easier than if you had to remove a chassis! **97c**
Cat. No. 6520.....

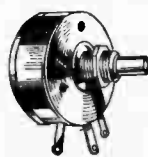


Carter Volume Controls and Potentiometers



Note self-contained A.C. Switch

Available With And Without A.C. Switches



View Without Switch

NOTE: Add 30c for Self-Contained A. C. Switch

Cat. No.	Type	Resistance	Our Diameter	Prior
5155	Vol. Control	2,000 Ohms	2 1/4 in.	.....69c
5159	Vol. Control	2,000 "	1 3/8 in.	.....59c
5160	Pigent	4,000 "	1 3/8 in.	.....58c
5161	Vol. Control	5,000 "	1 3/8 in.	.....49c
5162	Vol. Control	10,000 "	1 3/8 in.	.....59c
5163	Vol. Control	10,000 "	2 1/4 in.	.....69c
5164	Vol. Control	15,000 "	1 3/8 in.	.....49c
5165	Vol. Control	20,000 "	1 3/8 in.	.....59c
5168	Vol. Control	20,000 "	2 1/4 in.	.....69c
5167	Potent	20,000 "	1 3/8 in.	.....49c
5167	Vol. Control	200,000 "	1 3/8 in.	.....49c
5168	Vol. Control	500,000 "	1 3/8 in.	.....49c

Electrad Dual 250,000 Ohm. Potentiometer



Both potentiometers are thoroughly insulated from each other. Ideal for use in public address control boards, or wherever you desire to control or "mix" two different circuits without affecting each other. Diameter: 1 1/2 in. Length: 1 1/4 in. Shaft

Length: 7/8 in.
Cat. No. 6516..... **\$1.25**

Electrad Wire Wound 4th Terminal Potentiometer

Ideal for Phono. Fading

Standard Potentiometer, 50,000 ohms. The 4th terminal is the exact mid-point of the resistance unit. Noiseless contact. 1 1/2 in. diameter, 1/2 in. thick. 1 in. long. 3/4 in. diam. shaft.



Cat. No. 6517..... **75c**

Victor-Electrad Tone Control

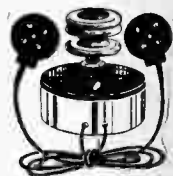


Rating: One million ohms. Can be operated by a knob (3/4 in. diam. shaft, 3/4 in. long) or by means of a slot in the shaft head. 1 1/2 in. diameter, 5/8 in. thick. **39c**
Cat. No. 6521.....

Per Dozen, \$3.95

"Radax-Supreme" Panel Mount Tone Control

At the slightest twirl of a finger you place emphasis on the high, medium or low notes! Nothing to get out of order! Adaptable to all sets, both battery and A. C. types! Takes a few seconds to install—special adapters are slipped on to power tube prongs—that is all there is to it! Solid bakelite molded. Finest quality, 36 in. flexible well insulated, braided leads. Single hole, panel mount. The socket wafers are so well insulated that they will not make any electrical contact with the chassis! 2 3/8 in. diameter, 1 in. deep behind panel.

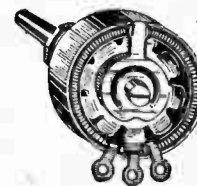


Cat. No. 2006..... **\$1.65**

Heavy Duty Pentode or 46 Model

Cat. No. 2007..... **\$1.95**

Yaxley 40 Ohm Potentiometer



Offers many valuable uses to any set builder, repair man and experimenter! Ideal as a hum control for 227 and 226 tubes. An excellent rheostat or potentiometer, center tap resistance, adjustable resistance, "C" bias, etc., etc. One hole mount, 1 3/8 in. diameter by 1/2 in. thick.

Cat. No. 408..... **23c**

5000 Ohm Allen Bradley Volume Control

Encased in a bakelite frame, 1 3/8 in. high, 1 1/4 in. wide, 1/2 in. thick. Threaded sleeve is 3/8 in. long, and flattened side of shaft protrudes 1/2 in. beyond the threaded sleeve.



Cat. No. 5172..... **14c**

Per Dozen, \$1.40

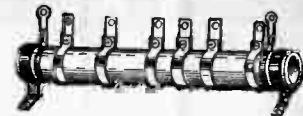
Grebe SK-4 Wire Wound Volume Control Potentiometer

One hole mount. Solid bakelite molded. Perfect phosphor bronze spring contact 1 3/4 in. diameter, 3/4 in. diameter, burred shaft. **50c**
Cat. No. 2044.
2600 ohms



STANDARD REPLACEMENT VOLTAGE DIVIDERS.

Conform In Every Respect to the Original Design
Voltage Divider



A. C. DAYTON

A. C. 63.....	9000	.95
A. C. 65.....	9001	.95
A. C. 66.....	9002	.95
Navigator.....	9003	.90
A. C. 68-69-77-5096.....	9004	.95

ACME ELEC & MFG.		
A. C. 7.....	9005	.70
S. G. 88.....	9006	.85
Aerodyne A. C.....	9007	.90

ALL AMERICAN MOHAWK		
60, 61, 62, 65, 66.....	9008	.95
80, 83, 84, 85, 86.....	9009	.95
70, 73, 75.....	9010	.95
90.....	9011	.90
96.....	9012	.90
A. C. "W" Power Pack.....	9013	.90
Lyric Model "D".....	9014	.90
Lyric Model "H".....	9015	.90
Lyric Model "I".....	9016	.90
Lyric Model "K".....	9017	.90
C-6 S. G.....	9018	.90

AMERICAN BOSCH		
66 A. C., 96, 116, 136.....	9019	.95
107.....	9020	.95
46 A. C., 126, 146, 166, 176.....	9021	.95
28, 29, 82S.....	9022	.85
48 A. C., 49 A. C.....	9023	.75
58 A. C.....	9024	.75
60 A. C.....	9025	.30
62 A. C.....	9026	.95
63 A. C.....	9027	.95
156 A. C. "Cruiser".....	9028	.90
54 D. C.....	9029	1.35
96 D. C. "Cruiser".....	9030	1.45
73 Midget.....	9031	.65

AMRAD		
171 "ABC" Power Unit.....	9032	.65
7100, C-7075, C-7076.....	9033	1.95
A. C. 5.....	9034	.80
A. C. 6.....	9035	.80
A. C. 7.....	9036	.80
70.....	9037	1.10
81 and Bel Canto Series.....	9038	1.10

ANDREA, F. A. D., "FADA"		
Special AC, 265 UA or CA, 262		
UA or CA, RP 65UA or CA, RP62		
UA or CA.....	9039	1.35
"?".....	9040	1.20
Type "C" Electric Unit.....	9041	.95
10, 11, 30, 31.....	9042	.90
10Z, 11Z, 30Z, 31Z.....	9043	.90
16, 17, 32.....	9044	.90
16Z, 32Z.....	9045	.90
18 DC.....	9046	1.35
20 A.C.....	9047	.95
20Z.....	9048	.90
25Z.....	9049	.90
25.....	9050	.90
M 250 Electric Unit.....	9051	1.30
35.....	9052	.95
35Z.....	9053	.95
35B.....	9054	.95
40 A.C.....	9055	.90
41, 42, 44, 46, 47.....	9056	.70
43.....	9057	.75
50, 70, 71, 72.....	9058	.90
E 420, E 180 Electric Units.....	9059	1.10
75, 77 A.C.....	9060	.95
86U, 82W.....	9061	.75
66Q, 62R.....	9062	.70

APEX		
See U. S. Radio & Tel.		

ATWATER KENT		
AK 40, 42, 44, 52.....	9063	.75
AK 43, 46, 47, 53.....	9064	.75
36.....	9065	.75
37, 38.....	9066	.75
41 D. C.....	9067	1.65
55, 55C.....	9068	1.10
55-F, 55-F.C.....	9069	1.10
60, 60C.....	9070	.60
61, 61-C D. C.....	9071	1.45
66 A. C.....	9072	1.30
Type D-1, D-2, D. C.....	9073	.95
Type L-1.....	9074	.95
Type L-2.....	9075	.95
Type F.....	9076	.95
Type P.....	9077	.95

AUDIOLA		
30B, 7330.....	9078	.85
8430.....	9079	.85
889.....	9080	.85
31, Super 31.....	9081	.75
Audiola Jr. (Midget).....	9082	.70

BALDWIN, NATHANIEL

Model 80.....	9083	.95
BALKITE RADIO		
Model A3, A5, A7.....	9084	1.10
Model B7, B9.....	9085	1.10
Model F.....	9086	.55
Model C.....	9087	.60

BOSCH		
See American Bosch Mfg.		

BRANDES		
See Kolster Radio		
BREMER TULLY		
Model 6-40, 6-41.....	9088	.80
6-40 Power Converter.....	9089	.75
7-70, 7-71.....	9090	.85
81, 82.....	9091	.90
S81, S82.....	9092	.90
8-20-A, 8-21-A Pow. Conv.....	9093	.90

BRUNSWICK RADIO		
3, 8, 10, 11, 13.....	9094	1.10
15, 22.....	9095	1.10
14, 21, 31, Panatrope.....	9096	1.00
S14, S21, S31, S81, S82.....	9097	.95
RPA 6.....	9098	.95
P. R. 6.....	9099	.95
R. P. A. 5A.....	9100	.95
3 K.R. 8, 3 K.R. 6, 5 K.R. 6.....	9101	.95
5 K.R., 5 K.R.O., 3 K.R.O.....	9102	.95
2 K.R.O.....	9103	.95
5 N.O.....	9104	.90
5 N.C. 8, 3 N.C. 8.....	9105	.90
B. 17.....	9106	.55
P. 14.....	9107	.90
P.R. 17-8.....	9108	.55
R.P.A. 3A.....	9109	1.10
R.P.A. 4A.....	9110	1.10
B.R.P. 4A, 4, 3C, 3D.....	9111	1.10
R. 1.....	9112	.95
3 N.W. 8.....	9113	1.10

BUCKINGHAM RADIO		
80.....	9114	.85

COLONIAL RADIO

25 A. C.....	9115	.75
28 A. C.....	9116	.75
28 D. C.....	9117	1.35
31 D. C.....	9118	1.35
32 D. C.....	9119	1.35
33 D. C.....	9120	1.45
31 A. C.....	9121	1.20
32 A. C.....	9121a	1.20
33 and 34 A. C.....	9122	1.20

COLUMBIA PHONO.		
See Kolster		

COLUMBIA RADIO		
Screen Grid 8 (Chicago).....	9123	.60

CONTINENTAL RADIO		
Slagle Nine.....	9124	.95
Slagle 29A, 29B.....	9125	1.35
Slagle 29C.....	9126	.95
Slagle Ten 29C, 29D.....	9127	1.60
Star Raider R20, R30, R40.....	9128	1.90

CROSLEY RADIO		
A. C. 7.....	9129	.75
120.....	9130	.75
Power Converters 104, 105, 106,		
104R, 105R.....	9131	.75
30S, 31S, 33S, 34S.....	9132	.75
41A, 41, 42, 704, 706.....	9133	.75
73, 40S, 41S, 42S, 45S, 82S.....	9134	.75
60S, 61S, 62S, 63S, 65S, D. C.....	9135	1.30
77.....	9136	.95
84.....	9137	.95
Band box 602.....	9138	.95
Gembox 608, 610-30-31.....	9139	.95
Gem chest 609.....	9140	.95
Jewel box 704, 704A, 704B.....	9141	.75
Jewel box 705.....	9142	.75
Jewel box 804.....	9143	.75
Show box 705 D. C.....	9144	1.30
Show box 704, 706.....	9145	.75
"Buddy & Chum," 804.....	9146	.65
New Buddy 53, 54, 57.....	9147	.65
Crosley 48 "Wigt".....	9148	.65

DAY-FAN		
See General Motors Radio		

EARL RADIO		
21, D. C.....	9149	1.30
21, 22 A. C.....	9150	.80
24, 31, 33 D. C.....	9151	1.30
31, 32 A. C.....	9152	.90
31S, 32S, 33S.....	9153	.85

#1, 42 A. C.....	9154	.85
also see Freshman, Inc.		
EDISON, THOMAS A.		
C1.....	9155	.75
R1, R2, C2.....	9156	.65
R4, R5, C4.....	9157	.75
R6, R7.....	9158	.75

ERLA		
30, 31, 32, A. R. 3, 224.....	9159	.95

EVEREADY		
See National Carbon		

FADA—See Andrea		
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FEDERAL		
Orthosonic type "D" "E" "F".....	9160	1.05
Orthosonic type "H" Series.....	9161	1.05
Type "K" Series.....	9162	.90
Type "M" Series.....	9163	1.05

FREED-EISEMANN		
N. R. 11 Power Pack.....	9164	.75
N. R. 55 D. C.....	9165	1.30
N. R. 57 A. C.....	9166	1.30
N. R. 60 D. C.....	9167	.90
N. R. 60 A. C.....	9168	.90
N. R. 70 A. C.....	9169	.90
N. R. 70 D. C.....	9170	1.30
N. R. 78 D. C.....	9171	.90
N. R. 78, 79 A. C.....	9172	1.30
N. R. 80 D. C.....	9173	.95
N. R. 80 A. C.....	9174	.95
N. R. 85 A. C.....	9175	.95
N. R. 90S A. C.....	9176	.95
N. R. 95 A. C.....	9177	.95

FRESHMAN, CHAS.		
Equaphase "G" G 60S.....	9178	.85
Equaphase "H" H60S.....	9179	.90
Equaphase "K" K60S.....	9180	.90
N, 2N.....	9181	.75
M.....	9182	.75
Q15, Q16.....	9183	.65
3Q15, 3Q16.....	9184	.65
Q D-16S.....	9185	.65
41, 42 A. C.....	9186	.75
Masterpiece "ABC" Unit.....	9187	.65

GENERAL ELECTRIC

Model H31.....	9188	.90
Model H51.....	9189	.90
Model H71.....	9190	.90

GENERAL MOTORS		
Day-Fan "5" A. C.....	9191	.90
Day-Fan "6" A. C. 5066.....	9192	.90
Day-Fan "6" Junior.....	9193	.90
"B" Supply-5524, 5525, 5065.....	9194	.75
Day-Fan "8" A. C.....	9195	.80
5077, 5088, 5069.....	9196	.90
25, 26, 27, 28, 43, 48.....	9197	.75
A-5003.....	9198	.75
5091.....	9199	.90
5069, 5080.....	9200	.90
Model "A".....	9201	.90
Day-Fan "7" Power Unit.....	9202	.75

GILFILLIN		
100 171A Tube model.....	9203	.75
100 245 Tube model.....	9204	.85

GRAYBAR ELECTRIC		
500.....	9205	.45
600.....	9206	.70
700.....	9207	.70
770.....	9208	.70
900.....	9209	.90
9210.....	9210	.70

GREBE, A. H.		
Synchrophase "5".....	9211	.65
671 Socket Power.....	9212	.65
671 B Socket Power.....	9213	.65
428 De Luxe Console.....	9214	.95
Synchrophase A. C. "6".....	9215	.80
Synchrophase A. C. "7".....	9216	.80
Synchrophase "7".....	9217	.80
Super Synchrophase S.K. 4.....	9218	.85
Synchrophase S.K. 4 D. C.....	9219	1.30
A. H. I.....	9220	.90
Type 412 Push Pull Amp.....	9221	.95

GRIGSBY-GRUNOW (Majestic)		
"Standard" B Power Supply.....	9222	.85
"Super" B Power Supply.....	9223	.85
"Master" B Power Supply.....	9224	.75
"Special Master" B Supply 60, 70,		
80.....	9225	.80
: 7P6, 7P3 (Old Power Pack).....	9226	.95
7P6, 7P3 (New Power Pack).....	9227	.95
70B, 72.....	9228	.90
7BP6.....	9229	.90
7BP3.....	9230	.80
180, 181.....	9231	1.10

Voltage Divider Replacement List Continued on Next Following Page

STANDARD REPLACEMENT VOLTAGE DIVIDERS. Cont'd.

8P6, 8P3	9232	.95
90, 100	9233	.95
91, 92, 93	9234	.95
9P3	9235	.95
9P6	9236	.95
90B, 100B	9237	.95
130A, 230A	9238	1.25
130, 131, 132, 233	9239	1.25
20 Chassis, 21, 22, 23	9240	1.15
50 Series 51, 52, 53	9241	1.10

KELLOG SWITCHBOARD

A.C. 7 tube	9242	.85
Chassis "B"	9243	.75
523, 524, 525, 526, 527, 528	9244	1.80
523, 526 Power Unit	9245	1.80
K-50 Power Unit	9246	1.80

KENNEDY, COLIN B.

10	9247	.75
20	9248	.85
"Royal"	9249	.85
"Royal 60"	9250	.85
"Royal 80"	9251	.85
34-26	9252	.75
826 B. Combination	9253	.95

KING

H, R4432	9254	.75
J, R433	9255	.75
82 Power Unit	9256	.85
King Royal Model 97	9257	.95
King Imperial Model 98	9258	.95
King Monarch Model 101	9259	.95
98	9260	.95

KOLSTER AND COLUMBIA

Kolster K-5 Dynamic Power Cone	9261	1.35
Kolster 6H, 6J, 6K, 6R	9262	.95
Kolster K20, K25	9263	.70
Kolster K22, K27, K37	9264	.75
Kolster K21	9265	.85
Kolster K23, K28	9266	.85
Kolster K24, K36 (Z10 Power Tube)	9267	.95
Kolster K30, K32	9268	.95
Kolster K42	9269	.95
Kolster K43	9270	.95
Kolster K44	9271	.95
Kolster K45	9272	.95
Brandes B-10	9273	.95
B-15SG, B-16SG	9274	.95
Columbia C2, C4	9275	.95
C1, C3	9276	.95
C5 (205)	9277	.95
C6, C7, D. C.	9278	1.30
900, 901 Electric Phono	9279	1.15
902 Electric Phono	9280	1.15
930 Electric Phono	9281	1.15
930, 300 Phono Power Amp.	9282	1.15
931 Electric Phono	9283	1.15
980 Radio & Phono Comb.	9284	1.15
950	9285	1.15
961	9286	1.15

LYRIC

D-11, 19-29, 39, 69, 94, 96, 175	9287	.95
Model 90	9288	.95

MAJESTIC

See Grigsby-Grunow		
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MOHAWK

See All American Mohawk		
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MONTGOMERY WARD

2822, 2827, 2895, 2897	9289	.95
2955, 2957	9290	.95
3035, 3037, 3065, 3067	9291	.95

NATIONAL CARBON

Eveready 1, 2, 3	9292	.85
Eveready 30, 30C Series	9293	.85
Eveready 40 Series	9294	.85
Eveready 50 Series	9295	.85
Eveready 52, 53, 54 Series	9296	.85
See United Reproducers		

PEERLESS

PHILCO

Philco 521, 541, 561, 581, 511, 512, 513, 514, 515, 531, 551, 571	9297	.75
Philco 65	9298	.85
Philco 76, 73	9299	.90
Philco 77, 77A	9300	.90
Philco 87	9301	.90
Philco 82, 86	9302	.90
Philco 92, 95	9303	.90
Philco 96, 96A	9304	.90
Philco 296, 296A	9305	.90
Philco 20, 20A	9306	.90
Philco 211, 211A	9307	.90
Philco 40 D. C.	9308	1.30
Philco 41, 42 D. C.	9309	1.30
"Baby Grand" 20, 20A	9310	.95
Socket Power Units: B 603, B 253	9311	.90
A. B. 663, 623, 463, 423	9312	.90
D. B., D. A. B.	9312a	.90

R. C. A. VICTOR

Radiola 17, 50 A. C.	9313	.55
Radiola 18, 51 A. C.	9314	.35
Radiola 25 A. C.	9315	.65
Radiola 18, 51 D. C.	9316	1.45
Radiola 28 A. C.	9317	.95
Radiola 30, 30A, A. C.	9318	.95
Radiola 32 A. C., 44 A. C.	9319	.95
Radiola 33 A. C.	9320	.40
Radiola 33 D. C.	9321	1.30
Radiola 41 A. C.	9322	.90
Radiola 41 D. C.	9323	1.35
Radiola 44, 46, 47, A. C. All Models	9324	.95
Radiola 46 D. C.	9325	1.40
Radiola 48 A. C.	9326	1.30
Radiola 60, 62, A. C.	9327	.95
Radiola 64 A. C.	9328	1.10
Radiola 66 A. C.	9329	.90
Radiola 67 A. C.	9330	1.10
Radiola 80, 82, 86 A. C.	9331	.90
Radiola 104 Loud Speaker	9332	1.45
Radiola 105 Loud Speaker	9333	1.45
Power Units:		
A. P. 935	9334	1.45
A. P. 937	9335	1.45
A. P. 952, 997, 997C, 997X	9336	1.45
997A	9337	.75
A. P. 947, 947A, 947X, 951	9338	1.45
A. & B.	9339	1.45
A. P. 1080	9340	1.45
A. P. 736, 736B	9341	1.45
A. P. 777 C	9342	1.45
A. P. 951, 951A	9343	1.45
(Victor Division)		
Electrola Hyperion	9344	1.25
Electrola Cromwell	9345	1.25
Electrola Tuscany	9346	1.25
Borgia 11	9347	1.25
Victor 7-25	9348	1.10
Victor 7-11	9349	1.10
Victor 7-23, 7-26	9350	1.10
Victor 8-60	9351	1.00
Victor 9-18	9352	1.00
Victor 9-25, 9-40, 9-55	9353	1.10
Victor 9-54	9354	1.10
Victor 10-51	9355	1.10
Victor 10-69	9356	1.10
Victor 10-70	9357	1.10
Victor 12-15	9358	1.10
Victor 12-25	9359	1.10
Victor R-15	9360	1.10
Victor R-32, 42, RE45, 52, 75	9361	.75
Victor R-35, 39, RE57	9362	.75
Power Amplifiers:		
R. P. A. 1A-Panatrone	9363	1.10
R. P. A. 5	9364	1.10
R. P. A. 4 Panatrone	9365	1.10

R. C. A. PHOTOPHONE

S. P. U. 62	9366	1.45
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SENTINEL

See United Air Cleaners		
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SILVER MARSHAL

Models 30, 60, 75, 95, 63, 43, 639, 722, 735	9367	1.20
724 Super, 726 Super	9368	.95

SONORA PHONOGRAPH

2 R. P.-25	9369	.95
3R, 48, 3RP	9370	.95
5R	9371	.95
7P Electric Phonograph	9372	1.30
A30, 32, 40	9373	.95
31, 33, 35	9374	.95
B31	9375	.95
A36, 46	9376	1.00
De Luxe 44	9377	1.65

SPARTON

7, 62, 63, A. C.	9378	.95
69, 79, 79A, 89 A. C.	9379	.95
89A	9380	.95
De Luxe 101, 103, 109	9381	1.40
110, 111, 870 A. C.	9382	1.40
De Luxe 110 A. C.	9383	1.40
301, 740, 750 A. C.	9384	1.40
589, 591, 593, 600, 610, 620	9385	.95
931 A. C.	9386	.95
930 A. C.	9387	.95
931, 301 D. C.	9388	1.30
Sparks Ensemble	9389	.65

SPLITDORF RADIO

Abbey Jr. A. C.	9390	.65
E 175	9391	.85
M 5	9392	.75
M 6	9393	.75

STEINITE RADIO

40, 40A, 45A	9394	.95
50, 102, 50A, 102A	9395	.95
40C, 41C, 60C, 102C	9396	.95
10 S. G., 70, 80, 95	9397	.95
261, 262, 263, 264, 265	9398	.95
990, 991, 992, 993	9399	.95

STEWART WARNER

530, 535, 715, 720	9400	.85
750	9401	.85
801, 801A, 802, 811, 811A, Series B	9402	.85
900, 901, 902, 903, 911, 912, 913	9403	.90
950, 951, 952, 953, 961, 962, 963	9404	.90
950 Series D. C.	9405	1.45
970 Series D. C.	9406	1.55
R-100A, R-100B, R-100E	9407	.90

STROMBERG-CARLSON

523, 524, 633, 634, 403, 403A	9408	1.40
403AA, 403B	9409	1.40
733, 734, 404, 404A	9410	1.40
10, 11	9411	.95
12, 14	9412	.95
635, 636	9413	.90
638 D. C.	9414	1.60
641, 642, 652, 654	9415	.95
734B, 744B	9416	1.40
846, 848	9417	.95
D968, 957 D. C.	9418	1.60

TEMPLE

8-60, 8-80, 8-90	9419	.90
8-60, 8-81, 8-9-	9420	.90

UNITED AIR CLEANER

Sentinel 11, 12, 15, 16	9421	.75
Sentinel 104	9422	.75
Sentinel 106B	9423	.75
Sentinel 440	9424	.75
Sentinel 444	9425	.75
Sentinel 666	9426	.75
Sentinel 666E phono. comb.	9427	1.10

UNITED REPRODUCERS

20 Series Electrostatic 20	9428	.75
22, 24, 25, 23A	9429	.75
65 Peerless Courier, 651, 652, 653, 21	9430	.75
Series K 70, 71, 72	9431	.75

U. S. RADIO & TELEVISION

(Apex)		
Apex 28 All Types	9432	.95
Apex 29	9433	.95
Apex 31	9434	.95
Apex 32 Series	9435	.95
Apex 36	9436	.95
Apex 37	9437	.95
Apex 41	9438	.95
Apex 43	9439	.95
Apex 42	9440	.95
Apex 44	9441	.95
Apex 46, 47	9442	.95
Apex 46A, 47A	9443	.95
Apex 48	9444	.95
Apex 48A	9445	.95
Case 80, 81, 81B, 81C	9446	.95
26 Series "Gloritone"	9447	.75
27 Series Mantel type	9448	.75
27P	9449	.75
238P	9450	.75

VICTOR—See R.C.A. Victor

WESTINGHOUSE ELEC.

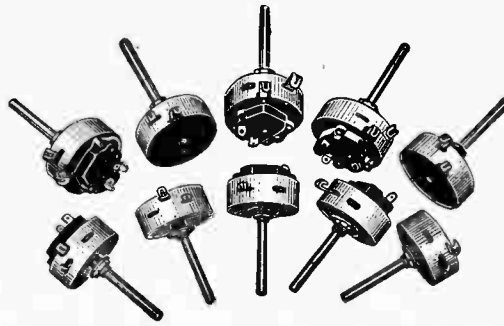
W R-4	9451	.75
W R-5 Combination	9452	.75
W R-6 Combination	9453	.75
W R-7	9454	.75

ZENITH RADIO

11E, 14E	9455	.95
15, 15E, 15EP, 16, 16E, 16EP	9456	.95
17, 17E, ZE-5	9457	.95
30, 33X, 34, 35, 35A, ZE-10, 342, 352, 352A, 362, 362A, Z. E.-13	9458	.95
333, 353-A, ZE-17	9459	.90
34P, 35P, 35AP, 342, ZE-11	9460	.90
342P, 352P, 352AP, ZE-14	9461	.90
39, 39A, 40A, ZE-12	9462	.90
392, 392-A, ZE-15, ZE-16	9463	.90
35PX, 35APX, 352PX, 352-APX, 37A, ZE-18	9464	.90
41	9465	.95
42	9466	.95
422	9467	.95
50 Series 52, 53, 54, 55, 57, ZE-50	9468	1.00
563 D. C.	9469	1.40
60, 61, 62, 64, 67, 602, 612, 613, 622, 642, 672, ZE-60	9470	.95
70 Series ZE, 70, 71, 72, 73, 77	9471	.95
Z. E. 702	9472	1.00
Z.E.-4 "B" Power Supply	9473	.95

ELECTRAD REPLACEMENT VOLUME CONTROLS AND POTENTIOMETERS

This remarkably comprehensive REPLACEMENT VOLUME CONTROL LIST was compiled especially for the SERVICE MAN by ELECTRAD to enable him to not only obtain the proper control immediately . . . but, also to enable him to purchase one at a minimum price that will assure a handsome profit to the Serviceman. A vote of thanks is certainly due The House of Electrad, one of the oldest and most responsible Radio Manufacturers in the World. It is with pride that we feel privileged to be the medium of linking ELECTRAD and RADIO SERVICE MEN of the World.



In order to make each type control as universally applicable as possible, all types are potentiometers, except where an off position is desirable. Where a rheostat (Volume Control) type is needed only two of the terminals are used. All these replacement controls have insulated bushings. No insulating washers are needed when unmounting the unit on a metal panel. All shafts are over-size, 1 3/4 in. long; they can be easily sawed off to length if necessary. Overall diameter 1 7/16 in. We guarantee that these controls will function efficiently in any receiver for which they have been designed as a suitable replacement. Due to their compactness, no difficulty will be experienced installing them.

Manufacturer	Cat. No.	Your Cost
A. C. Dayton Co.		
XL5, XL10, XL20, XL25	8000	.60
XL30, XL50, XL60, XL61, XL70	8001	.60
AC63, AC65, AC66	8002	.60
Navigator	8003	1.32
All American Mohawk Co.		
S-6, S-7, S-8	8004	.60
Model 90, Model "J," Model "J"		
with Pentode	8005	.60
5 Tube Battery Set	8006	.60
6 Tube, 1 Dial Battery Set	8007	.60
AC-226, 227, 60, 61, 62, 65, 66	8008	.60
80, 83, 84, 86, 88	8009	.69
Lyric, "J," "H," 96, 90, C6	8010	.60
70, 73, 75	8011	.60
H, Lyric Model D, A	8012	.60
6 Tube Electric Set	8014	.60
Mohawk	8015	.60
Lyric "K"	8016	.60
American Bosch Magneto Co.		
Model 5, Model 20 Super Het	8017	.60
46DC, 27 Ambrola, 16 Ambrola, 35 Cruisers, 57, 87, 66, 76, 76L, 46DC	8018	.60
96 DC-96, 146, 166, 176, 46 AC, 126, 107, 116	8019	.60
Models 28 and 29	8020	.95
Model 5-A	8021	1.10
62 D, C, 58, 44	8022	.60
60, 63	8023	.60
80, 84	8024	.60
Model 73, 74	8025	.60
Amrad Corporation		
S-522, DC6, DC6-C, DC7, DC7-C, S733, S733-C, 80	8026	.60
82-83, 7100 70	8027	.60
AC-6, AC-6-C	8028	.60
AC-7, AC-7-C	8029	.60
81	8030	.60
84	8031	.60
Andrea, F.A.D.		
41, 42, 44, 46, 47	8032	.60
Model 45 (KU)	8033	.60
Model 48, 49 (KW)	8034	.60
Model 51, 53, 57 (KOC)	8035	.60
SF-50/80, 408B, 160, 192A, 192S, SF-501, 80A, 192B3, 460A, 480A, 22	8036	.60
62S, 192A spec, 475A, SF45, 75	8037	.60
472UA, CA, SF, 45/75, 4572, 10, 11, 31, 10Z, 11Z	8038	.69
262, 265UA, CA, RP65UA, RP62, UACA, 7AC, 475	8039	.69
30Z, 31Z, 50, 70, 71, 72	8040	.69
16, 17, 32, 16Z, 32Z, 18 D.C.	8041	.60
20, 20Z, 25, 25Z, 15M, 15MZ	8042	.60
35, 35Z	8043	.60
41, 42, 44, 46, 47	8044	.60
50, 70, 71, 72	8045	.69
75, 77	8046	.69
Atwater-Kent		
43, 44, F, P, L1, L2	8047	.82
55, 55C, 60, 60C, 61, 61C, 66	8048	.60
Models 37, 38, 40, 42, 44, 52 (Resistance Strip)	8049	.41
Models 55, 60, 66 (Strip)	8050	.41
Model 82	8051	1.10
Audioola Radio Company		
8-T Super Pentode, 9-T, Super Pentode	8052	.60
6 Tube, 5 Tube, 527, 627, 6T, 8T	8053	.60
30B, 7330	8054	.60
8430	8055	.60

Manufacturer	Cat. No.	Your Cost
889	8056	.60
31, 31 Super	8057	.60
4T, 31, RF	8058	.60
6T, 31, Rent, Junior	8059	.60
6T Junior No. 1, No. 2	8060	.60
13-T-5	8061	.60
10-T Super	8062	.60
7-T Super-Pent	8063	.60
9-T-45 Super	8064	.60
3 Type 60C	8065	.60
Bremer-Tully Manufacturing Company		
6	8066	.60
6-40	8067	.60
7-70, 7-71	8068	.60
8-20, 8-21	8069	.60
Counterphase-8	8070	.60
81-82, 14, 21, 31	8071	.60
S-81, S-82	8072	.60
81, 82	8073	.60
Browning Drake Corporation		
34, 36, 38	8074	.60
69	8075	.60
70, 71	8076	.60
Brunswick, Balke, Collender Company		
B-17, P. R. 17-8	8077	.82
2KR, 5KR, 2KRO, 5KRO, 3KR8, 5KR6	8078	.82
3NC8, 3NW8, 5NC8	8079	.82
17, 24, 25, 4PA, 4A	8080	.60
S14, S21, S31, S81, S82	8081	.96
10	8082	.60
R-1	8083	.60
D-11, 12, 16, 33	8084	.82
14, 21, 31	8085	.60
Models S14, S21, S31, S81, S82	8086	1.37
Colonial Radio Corporation		
16-6, 16-5, 17-5, 20-21	8087	.60
47, 48	8088	.60
44, 50	8089	.60
Columbia Radio Corporation		
SG-8	8090	.60
Crosley Radio Corporation		
NJ, 3R3, 4-29, 6-60, 6-85, RFL90, 401, 401A	8091	.60
20, 21, 22	8092	.60
602, 608, 609, 1 1/2 inch Shaft	8093	.69
804 (Short Shaft)	8094	.69
Buddy, Chum	8095	.60
30S, 31S, 33S, 34S	8096	.60
AC-7	8097	.60
82S, 40S, 41S, 42S, 45S	8098	.69
Early 40S	8099	.69
77, 84	8100	.60
120	8101	.60
53, 54, 57, 58	8102	.60
705	8103	.69
55, 56	8104	.60
92, 28, 121, 121-1, Series B	8105	.60
122	8106	.60
125, 124	8107	.60
610 (Female Shaft)	8108	.82
706 (Long Shaft)	8109	.82
704 (Short Shaft)	8110	.69
26	8111	.60
Models 704, 704B, 705, 706DC, 706AC	8112	.95
Edison Corporation, Thomas A.		
SC, C1, R1, R2, C2	8113	.69
R-6, R-7	8114	.60
Splitdorf, 6 tube	8115	.60

Manufacturer	Cat. No.	Your Cost
Abbey		
R-200	8116	.69
E-175	8117	.60
Models R1, R2, R3 (Front)	8118	.69
8119	8119	.80
Electrical Research Laboratories		
R-1	8120	.60
224 AC	8121	.60
245 Super	8122	.60
335	8123	.60
250	8124	.60
Emerson Radio & Phonograph		
F, 100-A	8125	.96
Series 65	8126	.60
Eveready (National Carbon)		
Models 1, 2, 3	8127	.95
Federal Radio Corporation		
B, C, D, 59, 102, A-10	8128	.60
Series Fil. D	8129	.60
G-10-60, G-40-60, G-41-60, K-10-60, K-40-60, K-41-60, M-35-60, M-40-60, M-41-60, M-45-60, M-46-60	8130	.60
Type H, L	8131	.60
Freshman		
Masterpiece, Equaphase	8132	.60
G-Q-15, Q-16	8133	.60
H, K, L, LS	8134	.60
2H, M, 2N	8135	.60
Earl Radio Corp.		
31, 32, 41	8136	.60
21DC, 22DC, 24DC, 31DC, 32, 33DC, 21AC, 22AC	8137	.60
Freed-Eiseman Radio Corporation		
NR7, 8, 9, 10, 12, 20, 40, FF15, 18, NR800, 77	8138	.60
NR-60, 57, 70	8139	.60
NR-78, 79, 95	8140	.60
NR55, AC & DC	8141	.60
NR30DC, AC	8142	.60
General Electric Co.		
H-71, H51, H31	8143	.60
K-32	8144	.60
T-12	8145	.69
K-62	8146	.69
Garod Radio Company		
EA	8147	.60
General Motors Radio Corporation		
Day Fan Nos. 527, 5044, OEM7, OEM11	8148	.82
Six Junior, 6-61, 6, 6B, 5050, 35	8149	.60
Day Fan Nos. 8AC	8150	.60
Day Fan Nos. 5003, 5091, 5077, 5080	8151	.60
252, 253, 254, 255, 256, 257, 258, 251, S2A, S2B	8152	.60
216, 217, 219, 250	8153	.60
Giffillan Bros.		
10	8155	.60
60	8156	.60
33	8157	.60
100	8158	.60
Model 105, 106	8159	.60
Graybar Electric Company		
311	8160	.82
600	8161	.82
700, 770, 900	8162	.82
Grebe & Company, A. H.		
AC6, AC7, 428	8163	.60
AH1	8164	.60
SK-4AC	8165	.60
HS-4	8166	.60
HS-4 Models 1, 2, 3, 4	8167	.60
SK4DC	8168	.60

Electrad Volume Control—Potentiometer Replacement List Continued on Next Page

ELECTRAD REPLACEMENT VOLUME CONTROLS AND POTENTIOMETERS—Continued

Manufacturer	Cat. No.	Your Cost	Manufacturer	Cat. No.	Your Cost	Manufacturer	Cat. No.	Your Cost
Grigsby-Grunow Company			R.C.A. Victor Co.			United Air Cleaner Corporation		
70, 70B	8169	.60	Radiola 16	8248	.96	106B, 440, 10B, 666C, 666	8322	.60
180, 90, 91, 92, 100B	8170	.60	Radiola 17, 50, 41, 7-25, 7-54	8249	.82	Series 20	8323	.60
130-A	8171	.60	Radiola 18, 33, 51, 7-11, 7-26	8250	.82	Series K-70	8324	.60
20, 21, 22, 23	8172	.96	Radiola 44, 46, 47	8251	.82	Courier 65	8325	.60
120, 121	8173	.60	Radiola 60, 62	8252	.82	104	8326	.60
Auto Radio 110	8174	.60	Radiola 64, 67, 9-18, 9-54	8253	.82	110, 108-A, 108B	8327	.60
Models 25-B and 35 Chassis	8175	.95	Radiola 64, Sensitivity Control	8254	.82	7 Tube Super	8328	.60
Models 15, 150 Chassis	8176	1.25	Radiola 66	8255	.82	Sentinel 114	8329	.60
Model 60 Chassis	8177	.68	Radiola 80, 82, 86, 35, 39, 51	8256	.82	99	8330	.60
Model 130 Chassis	8178	.68	Radiola R-5, R5X	8257	.69			
Model 25 Chassis	8179	1.25	Radiola Superette, R7A	8258	.82	U. S. Radio and Television Corporation		
Model 90, 90B, 100, 100B (Equalizer)	8180	.80	Radiola R-11	8259	.69	Case 80, Apex, 36, 37	8331	.60
Gulbransen Company			Model 46 D.C.	8260	.68	Apex, 31, 32	8332	.60
Early Nine in line	8181	.60	Models RAE 59, RAE 79, R-50, R-55, RE28	8261	.68	Gloriatone Late 27, 26, 29, 32, Apex 49, Batt, Gloriette 20	8333	.60
7 Tube Champion Jr.	8182	.60				Apex 50, 60	8334	.60
724	8183	.60	Silver-Marshall			Model 90	8335	.60
Hammarlund Roberts Incorporated			Model 37, 38, 39, 782, 770	8262	.60	Model 99	8336	.60
Hi-Q, 5 tube & 6 tube	8184	.60	Model "A," Model "F," "D," "E,"	8263	.60	Gloriatone Early 27	8337	.60
Hi-Q 29 Jr. and A.C.	8185	.60	Model 36A	8264	.60	Gloriatone 28	8338	.60
Hi-Q 29 Master, Hi-Q 30 A.C., Hi-Q 31 A.C.	8186	.60	620, 630, 635, 644	8265	.60	No. 8 Series Super Heterodyne	8339	.60
Model Hi-Q, 32	8187	.60	SC-2	8266	.60	No. 10 Series Super Heterodyne	8340	.60
Howard Radio Company			710-740	8267	.60	No. 26, Late 27	8341	.60
Type O	8188	.60	712	8268	.60	No. 28, 29, 32	8342	.60
AVH	8189	.60	722-30, 30B, 60B, 75B-90B	8269	.60	7 Series, Pentode	8343	.60
7 Battery	8190	.60	724, 36A	8270	.60			
Green Diamond 8	8191	.60	Bearcat-Midget	8271	.60	United Reproducers		
H Super Heterodyne	8192	.60	726	8272	.60	Series 20, Peerless	8344	.60
Midget SGB	8193	.60	SMDI Super	8273	.60	Series K-70	8345	.60
Kellog Switchboard			37, 38, 39	8274	.60	Courier 65	8346	.60
6 Wave Master	8194	.60	716, "J," "G"	8275	.60			
5 Tube B., & 7 Tube A.	8195	.60	Model "B"	8276	.60	Wells-Gardner & Company		
425, 426	8196	.60				C. G.	8347	.60
533, 534, 535, 536	8197	.60	Sonora Phonograph Company			Arcadia 72	8348	.60
Kennedy Corporation, Colin B.			3R, 4R, 2RP, 25	8277	.60	Model 80A	8349	.60
5, 6, 7, 15, 16, 20, 30, 220, 281	8198	.60	B-31	8278	.60	Series Ten Super	8350	.60
10	8199	.60	Sparks-Withington			Westinghouse Electric & Manufacturing Co.		
80	8200	.60	49, 5-26, 5-15, 39, 6-26, 6-15	8279	.60	WR-5, WR-6, WR-7, WR-8	8351	.82
20, Short Wave Unit for 826	8201	.60	5, 9	8280	1.10	WR-10, WR-10A	8352	.82
30, 32	8202	.60	10	8281	1.10	WR-14	8353	.69
42	8203	.60	15	8282	1.10	WR-15	8354	.69
Models 5Z, 52A	8204	1.25	25, 26	8283	1.10			
Model 56	8205	1.25	110AC, 301, 111A, 101, 103, 109, 589, 600, 610, 620, 930, 931, 79A, 89A, 69, 737, 574, 870, 591, 593, 564, 570, 740, 750	8284	.69	Zenith Radio Corporation		
Model 62	8206	.68				14, 15, 16, 17, 27, 39	8362	.60
King Manufacturing Corporation			Steinitz			33, 34, 35, 35A, 342, 352, 352A, 362, 333, 353	8363	.60
E. F. G., 62, 71, 86, 81, 25, 71	8207	.60	40, 50, 102, 40C, 60C, 102C	8285	.60	34-P, 34ZP, 40A, 41, 42, 422	8364	.60
H, J	8208	.60	70, 80, 95	8286	.60	35PX, 35APX, 352PX, 352APX, 37A, 55	8365	.60
97, 98, 101	8209	.60	261, 262	8287	.60	5Z, 53, 54, 60, 61, 62, 64, 67	8366	.96
82	8210	.60	991, 992, 993	8288	.60	602, 613, 622, 642, 672	8367	.60
218	8211	.60	Models 41Z, 420 (15 Chassis)	8289	.60	5 Tube Zenette	8368	.60
Kolster Radio Corporation			Models 210, 230, 420, 450 (17 Chassis)	8290	.60	5 Tube Zenette with Pentode	8369	.60
22, 25, 27, 37, 6J, 6K, 6R, 8A	8212	.60	Models 421, 425 (Model 21 Chassis)	8291	.60	6 Tube Zenette	8370	.60
K-20, 22, 25, 27, 37, 21, 23	8213	.60	Models 203, 600, 605, 630, 642, 643 (Model 22 Chassis)	8292	.60	Hyper-Merton, 82, 89, 822, 89Z, 10, 11, 12, 102, 112, 122	8371	.60
K-42	8214	.60	Model 423 (Model 23 Chassis)	8293	.60	TANDEM CONTROLS		
K-45	8215	.60	Models 700, 705, 706, 725, 642-B (Model 26 Chassis)	8294	.60	Model H	8372	1.95
B-10, 15, 16	8216	.60	Models 700, 701 (Model 28 Chassis)	8295	.60	All American Mohawk Co.		
980, 205, C1, C2, C4, C5, C6, C7	8217	.60	Stewart-Warner Corp.			B-7	8373	2.20
K-60, K-62	8218	.60	300, 305, 310, 315, 320, 325, 340, 345, 350, 355, 360, 385, 390, 500, 520, 525	8296	.60	Colonial Radio Company		
K-70, K-72, K-80, K-82, K-90, K-92	8219	.60	900-811	8297	.60	32 A.C.	8374	1.37
Montgomery Ward & Company			950, A.C., R100A, R100B, R100E	8298	.60	Earl Radio		
2822, 2895, 2897, 2827	8220	.60	Models 102A, B. E., R101A, R101B	8299	.60	Models 21, 22, A.C.	8375	1.38
3035, 3037, 3065, 3067, 1522, 1562, 8221	8221	.60	R100E	8300	.68	Electrical Research Laboratories		
20W, 62-520, Model 49, 26P, 26PX	8222	.60	Stromberg Carlson Telephone Manufacturing Co.			271	8376	1.65
111, 811, 111X, 811X	8223	.60	1A, 1B, 501, 502, 601, 602, 633, 634, 523, 524	8301	.60	Jesse French & Sons		
1355, 1955	8224	.60	635, 636, 638 (Short Shaft)	8302	.69	Midget	8377	1.65
62, 1040	8225	.60	(Double Shaft)	8303	.69	Colin B. Kennedy		
Cavalier, Commander	8226	.60	846, 848 (Double Shaft)	8304	.60	26	8378	2.20
181, 187	8227	.60	(Long Shaft)	8305	.69	Grigsby Grunow (Majestic)		
National Company Inc.			641, 642, 652, 654, (Long Shaft)	8306	.69	Model 30 Chassis	8379	1.65
MB29	8228	.60	(Double Shaft)	8307	.69	Model 100 Chassis	8380	1.38
MB30, Auto Receiver	8229	.60	10, 11, 12, 14	8308	.60	Model 50 Chassis	8381	1.38
Operadio Corporation			19, 20	8309	.60	General Motors Radio Corp.		
7	8230	.60	22, 12, 14, 27	8310	.60	Model A Chassis, Models 120, 130, 140, 150 and 160	8382	2.20
1926	8231	.60	25, 26	8311	.60	National Carbon Co.		
Ozarka Incorporated			638DC (Short Shaft)	8312	.69	30, 40, 50	8383	2.20
90	8232	.60	Transformer Corporation of America			Philadelphla Storage Battery Co.		
91	8233	.60	Clarion 51, 53, 55	8313	.60	20, 20-A	8384	1.37
92-A.C.	8234	.60	Models 61, 70	8314	.60	R.C.A. Victor Co.		
89-A.C.	8235	.60	Clarion 80	8315	.60	R-32, RE45, RE52, RE75	8385	1.37
Philadelphia Storage Battery Company			Clarion 90	8316	.60	R-15, 48, 92	8386	2.20
82, 5, 86, 87, 511, 521, 531, 541, 551, 561, 571, 581	8236	.60	Model 40	8317	.60	R-14	8387	2.20
Transitone 95, 96, 96-A, 30, 211, 211A	8237	.60	Junior 60, 25, 60	8318	.60	RE-35, RE-39, 57	8388	2.20
76	8238	.60	Model 94	8319	.60	Sparks Withington		
112, 112A, 212, 212A	8239	.60	Model 83	8320	.60	410, 420 (Junior, Jewell)	8389	1.65
111, 111A	8240	.60	Stewart-Warner			Models 950, 980, Battery—950, 970, R100C	8390	1.38
Pierce Airo Inc.			Clarion 51, 53, 55	8313	.60	Model 100	8391	1.65
AC-14, 45	8241	.60	Models 61, 70	8314	.60	Sterling Corporation		
534-5, AC 547	8242	.60	Clarion 80	8315	.60	Temple Corporation		
447, M	8243	.60	Clarion 90	8316	.60	8-61, 8-81, 8-91	8392	1.37
AC-646-7	8244	.60	Model 40	8317	.60	Westinghouse Elec. & Mfg. Co.		
724	8245	.60	Junior 60, 25, 60	8318	.60	WR-4	8393	2.20
AC-734-5	8246	.60	Model 94	8319	.60	Zenith Radio Corp		
AC-746-7M	8247	.60	Model 83	8320	.60	70	8394	1.65

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"SUPER POWER ON DISTANCE"
READY TO STRING UP
10 FOOT CAGE
30 FT. SOLDERED LEAD IN
50 FT. OF 7 STRAND COPPER WIRE

Cat. No. 6916. 10 Foot Long "DX" Cage Aerial... **\$2.25**
Cat. No. 6917. 30 Foot Long "DX" Cage Aerial (5 Spacer Rings)..... **\$3.25**
Cat. No. 6918. 60 Foot Long "DX" Cage Aerial. 8 Spacer Rings. Contains 300 Ft. Wire.... **\$3.95**

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7 wire cage aerial, only 5 ft. high—can be attached outside any window. Ideal for super-heterodyne broadcast and short wave receivers. Eliminates long lead-in troubles. Non-directional. Complete with soldered lead-in, cotter pins, wood screws and mounting brackets.
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An ingenious aerial for quick installation on midgets, consoles, portable as well as automobile radio sets. All self contained, no ground is necessary on

most of the electric sets. On the older model sets it may be necessary to make a ground directly to the wizard aerial, which has a provision for it. Installed in a jiffy. Can be placed therein—the cabinet, or externally therefrom—in autos, under any seat! Cat. No. 6922..... **59c**

"\$100.00 Free Insurance" Lightning Arrester

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Powerful spring, with 2 porcelain insulators at each end, takes up slack in aerial. Ideal when aerial is attached to a moving tree, or where high winds prevail.
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Each

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By throwing a toggle switch, a special circuit is introduced between the antenna and antenna binding post, that so sharpens selectivity, that "DX" reception is often possible right through "locals." No tools required to install. Simply connects between aerial system and receiver. A boon to all troubled with interference! Cat. No. 6924... **\$1.25**



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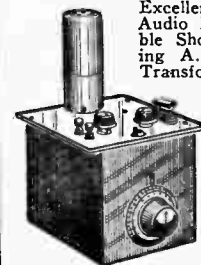
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Equipped with one common lengthwise scale, with individual indication levers. Non-slip belt drive principle. Distance between condenser shaft mounting holes, 8 3/4 in. Shaft holes accommodate 1/4 in. or 3/8 in. diam. shafts. Equipped with tastefully embossed escutcheon plate.
Cat. No. 6927..... **\$2.95**



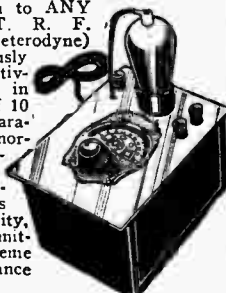
"Coast-to-Coast" Audio Frequency Oscillator Range 50-10,000 Cycles

Excellent for General Audio Frequency Trouble Shooting, for Testing A. F. Stages and Transformers, Carbon Condenser and Dynamic Type Microphones, Speakers, etc. Has self contained "A" and "B" batteries, which will last 9 to 12 months. A unique combination of an audio transformer with taps and a large .001 mfd variable condenser, makes the wide audio frequency range possible. Employs a 230 tube. Absolutely stable in operation! Rotary switch provides selection of frequency ranges. By plugging in certain fixed condensers into a twin jack provided, the range goes below 50 cycles. Another control varies the output, from 0 to 2-3 volts. Fully shielded. Excellent for laboratories.
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Less 230 Tube.....



"Coast-to-Coast" A. C. Operated Pre-Selector and Band Pass Filter Wave Trap and Antenna Stage Booster

In its addition to ANY receiver (T. R. F. or Super-Heterodyne) tremendously adds Selectivity thereto, in the order of 10 K. C. separation—the enormous amplifying properties greatly increases the Sensitivity, thereby permitting extreme long distance reception. Has a complete A.C. Power Pack, utilizing a Raytheon B.H. Tube (not visible in illustration). Employs a 236 tube, as the R. F. amplifier. A high ratio vernier dial, tube socket and necessary terminals are positioned on an attractive panel, which is secured to an attractive metal Shielded Case, measuring 6 3/4 in. long, 4 1/2 in. wide, 4 1/2 in. tall. Were this instrument only an R. F. Booster stage, it would be well worth the amount herewith quoted—but you also receive an extremely valuable and efficient Band Pass Filter Stage!
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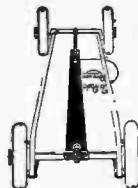
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Flexible Automobile Antenna

Can Be Suspended Between Both Axles, or Laid On Top of a Car Body

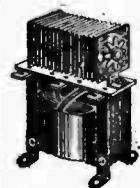


The illustration herewith is self-explanatory. The aerial proper is Heavily Insulated, by a Keratol covering. At each end, a heavy tying rope is attached, and at one end, a heavy coil spring is provided, to take up any slack. Overall length of aerial proper: 54 inches, 4 inches wide. Fully water-proof!

Cat. No. 5370 **\$2.95**

"Coast-to-Coast" 2 Rate Elkton Dry Disc Battery Charger

Charging Rate: 2 Amps. or .6 Amps.



Incorporates an ELKTON NEW TYPE X-B 16 rectifier and a JEFFERSON step-down transformer. B O N E D R Y ! Also ideal for furnishing rectified current from A.C. line to a 6 to 14 volt D.C. dynamic speaker field. For all heavy duty requirements. 5 1/2 in. high, 4 in. wide, 2 1/2 in. deep.
Cat. No. 2166..... **\$6.75**

Special 6 Volt Racon Horn Unit Dynamic Field Exciter

Connect to Any 110 Volt, 50-60 Cycle A.C. Line!

Cat. No. 7239..... **\$8.50**

GENUINE COPPER MAGNET WIRE Double Cotton Covered

Cat. No.	Gauge	Quan.	Price	Cat. No.	Gauge	Quan.	Price
2079	14	1/2 lb.	\$.45	2084	24	1/2 lb.	.41
2080	16	1/2 lb.	.47	2085	26	1/2 lb.	.49
2081	18	1/2 lb.	.52	2086	28	1/2 lb.	.58
2082	20	1/2 lb.	.57	2087	30	1/2 lb.	.69
2083	22	1/2 lb.	.35	2088	32	1/2 lb.	.85

Cat. No.	Gauge	Quan.	Price	Cat. No.	Gauge	Quan.	Price
2089	18	1/4 lb.	\$.24	2097	18	1/2 lb.	\$.87
2090	20	1/4 lb.	.25	2098	20	1/2 lb.	1.03
2091	22	1/4 lb.	.26	2099	24	1/4 lb.	1.42
2092	24	1/4 lb.	.28	2100	26	1/4 lb.	1.74
2093	26	1/4 lb.	.33	2101	28	1/4 lb.	2.18
2094	28	1/4 lb.	.35	2102	30	1/4 lb.	2.84
2095	30	1/4 lb.	.38	2103	32	1/4 lb.	3.60

When 6 rolls (assorted) are purchased at one time, deduct 40% discount from above net prices; if 12 rolls (assorted) are purchased, deduct 45% discount.



Wall Plates



Fits any standard wall receptacle. Two standard tip jacks are furnished—they fit into the tight gripping jacks, which are fastened onto an insulated disc, suitably engraved. 2 3/4 in. wide, 4 1/2 in. long. Hard brass, handsomely brush finished.



Cat. No. 4048

Cat. No. 4047

Cat. No. 4047. "Aerial-Ground" **30c**
 Cat. No. 4048. "SPEAKER" **30c**
WALL PLATE

Bakelite Wall Plates

Fit standard wall boxes or receptacles. Aerial and Ground Plates are furnished with solderless phone tips, for readily made connections thereto.



Cat. No. 6316. "Aerial-Ground" **50c**
 Cat. No. 6317. "Speaker" **50c**
 Cat. No. 6319. "Speaker" **88c**
 Dual "Speaker" Plate **88c**
 Cat. No. 6318. "Speaker" with a Self-Contained Volume Control **\$1.47**



"Aerial-Ground" and Dual Electric Socket Outlet Bakelite Wall Plate

Cat. No. 6320 **85c**

"Aerial-Ground" and "Speaker" or "Head-Phone" Outlets

Fit standard wall outlet boxes. A pair of solderless phone tips are included.



Cat. No. 6321. State Choice **40c**



Cable Clamps

Extremely useful in the shop or at home. Thousands of valuable uses will suggest themselves.

Cat. No.	Length	Size of Hole	Price Each	In Lots of 100	In Lots of 1000
3195-78	3/4 in. x 1/2 in.	No. 6	1c	\$.80	\$5.00
3196-79	1 in. x 1/2 in.	No. 8	1 1/2c	.80	8.00
3197-25	1 1/2 in. x 1/2 in.	No. 8	2c	1.40	12.00

Solderall

This is a complete metal solder and flux combined. A small quantity applied to the joints to be soldered when heated will flow and unite the parts the same as wire or bar solder. Furnished in collapsible tubes.



Cat. No. 3373 **10c**
 In Lots of 24 Tubes, **\$1.75**

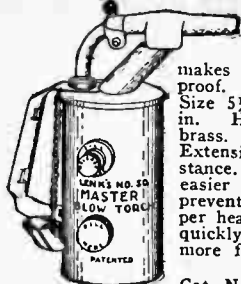
Bakelite Outlet Wall Case



Overall dimensions: 2 7/8 in. long, 4 3/8 in. high, 1 1/2 in. deep. Distance between centers of tapped Bakelite pillar posts, 3 1/4 in. Primarily designed for housing current outlets or switches (fits all standard wall plates), it can be adapted by any ingenious experimenter to serve a host of just as valuable other applications.

Cat. No. 4045 **59c**
 Cat. No. 4045-A. Bakelite Cover Plate, with holes to correspond to threaded mounting pillar posts. **19c**

Automatic Alcohol Blow Torches



Blows itself. Operates on denatured or commercial alcohol. Solid base makes it mechanically leak proof. Size 5 1/2 in. x 2 1/2 in. x 1 in. Highly nickel plated brass. Extension base improves stance. Screw-top makes it easier to load. Nozzle-cap prevents evaporation. Copper heat conductor generates quickly. Bigger barrel holds more fuel.

Cat. No. 3367 **90c**

Duplex Radio and Electrical Blotorch

A heavy duty torch featuring a bunsen burner for outdoor use and heavy soldering jobs. Bunsen burner can be detached if needle-point flame is desired. Pressure valve on burner permits adjustment of flame between 1200° and 2000°. When bunsen burner starts generating priming tube can be extinguished and used as handle. Size 6 1/2 in. x 2 3/4 in. x 1 1/4 in. Highly nickel plated brass.

Cat. No. 3365 **\$1.75**

Automatic Alcohol Blow Torch

Powerful 2200° blast with attached burner. One turn of thumb screw releases burner, producing 1700° needle-point flame. Double burner—one for a needle-point flame—and the attachment for a heavy intense flame. The pressure release valve—no sputtering, no boiling over, no evaporation, no leaks. A cleaning pin always handy when you want it—kept securely in the handle. A full grip handle, always cool. Substantially built—to last a lifetime. Fool-proof construction—no adjustment necessary. Filter screen in jet prevents plugging of orifice. 7 in. x 4 3/4 in. x 3 in. Highly nickel plated brass.

Cat. No. 3367 **\$3.00**

Brach Mouth Blow Torch

Should be part of every electrician's tool kit; it is indispensable for use in all repair work. Burns denatured alcohol and delivers a long, hot needle point flame which can be directed to the precise part of the work to be heated.



Cat. No. 3374 **\$1.95**

Aluminum Solder

SUPER WIRE ALUMINUM SOLDER



Use this solder on aluminum in the same manner as you would regular solder on other metals. Ideal for use on aluminum chassis. Cat. No. 3359. Per Stick, 17 in. long, 3/16 in. diameter. Weight, 2 ozs. **25c**
 In Lots of 12, **\$1.95**.

Super-SpecO Solder Iron Bricks

Size 2 in. x 2 in. x 1 in. Especially for electric soldering irons. Not only cleans and tins, but maintains irons in condition. Tips last two or three times as long as when dipped in acid, which fumes heavily and quickly corrodes copper. Less filing required, which saves labor. Super-SpecO keeps atmosphere fresh and healthy, because minimum of fuming. No fire risk. Used by leading radio and electrical manufacturers.



Cat. No. 3362 **25c**
 In Lots of 12, **\$2.35**.

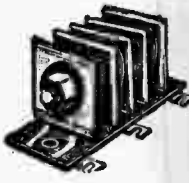
"A" and "B" Eliminator Replacement Jars



Cat. No. 243 Type "AA" Large square jar for 6 volt "A" eliminators. **\$1.79 each**
 Cat. No. 241 Type "A" Small round jars for 4 volt "A" eliminators. **\$1.39 each**
 Cat. No. 242 Type "B" For B eliminators. Set of 4, **\$1.79**

New Type "XB 16" (Old Type ELKON M16) Replacement Rectifier

For use on following "A" Eliminators: Majestic-Elkon-Mayolian, Philco, Webster, Knapp, Fada, Metro, Sentinel, Briggs-Stratton, Gen. Instrument, etc. Ideal for use with many A. C. Dynamic Speakers. This device, plus a 14 volt step-down Transformer and a 6 volt D. C. Dynamic Speaker constitutes an A. C. Dynamic Speaker! This unit passes 2 1/2 amperes.



Cat. No. 6322 **\$3.75**

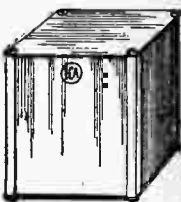
New Type Benwood-Lenz "B-L" Dry Disc Rectifier Units



Full wave type. Excellent for use in all "A" Eliminators, trickle chargers, and dynamic speakers. No. 6323. Type B-12. Delivers 2 1/2 Amperes **\$2.50**
 No. 6324. Type B-16. Delivers 3 Amperes **\$2.75**

Electralloy Shielding Boxes

Furnished knock-down, with drilled and tapped corner posts—can be assembled quickly! Ideal for completely shielded R. F. stage units! This metal can be easily soldered—does not corrode!



Cat. No.	Size	Price
3169	8 in. x 8 in. x 6 in.	\$2.10
3170	6 in. x 6 in. x 6 in.	1.92
3171	9 in. x 5 in. x 5 in.	1.75
3172	5 in. x 5 in. x 6 in.	1.58
3173	4 in. x 5 in. x 6 in.	1.40
3174	10 in. x 8 in. x 6 in.	2.45
3175	14 in. x 7 in. x 6 in.	2.62
3176	12 in. x 10 in. x 6 in.	3.32
3177	18 in. x 9 in. x 6 in.	4.37
3178	12 in. x 6 in. x 6 in.	1.92

Build Your Own Shield Boxes



In addition to the material below listed you will require the material to make the sides themselves. Electralloy stock, suitable for same, is listed on this page.

Cat. No. 3032. 6 in. long corner posts (grooved on two sides—aluminum pieces are slid into these grooves). 6/32 tapped at each end. Each **40c**
ALUMINUM ANGLE STOCK
 Cat. No. 3033. 1/2 in. x 1/2 in. x 1/8 in. thick. Per ft. **40c**
 Cat. No. 3034. 3/4 in. x 3/4 in. x 1/8 in. thick. Per ft. **40c**
 Cat. No. 3035. 1 in. x 1 in. x 1/8 in. thick. Per ft. **60c**



**7-Strand
Copper
Aerial Wire**
Bare Copper
Stranded
All Coils Guaranteed FULL
100 Ft.!

YOUR NET COST

Cat. No.	In lots of 100 Coils	In lots of 25 Coils	In Single Lots
2270.	27 93¢	10 1/2¢	12¢
2271.	26 12¢	13¢	15¢
2272.	24 16¢	17¢	18¢
2274.	22 22 1/2¢	23 1/2¢	25¢

**7-Strand Bare Enameled
Wire**

Cat. No.	In lots of 100 Coils	In lots of 25 Coils	In Single Lots
2280.	24 23 1/2¢	24 1/2¢	26¢
3135.	22 32¢	33¢	34¢

Glass Insulators

Special Tempered Glass—
3 in. Long

Cat. No. 2294

3c



In Lots of 100, \$2.80

Porcelain Insulators



Cat. No. 2293. **3c**
3 3/4 in. long
Per 100, \$2.75

**Screw-In Knob and
Insulator**

Porcelain Head—
Galvanized Screw
Ideal for Universal
Wiring Applications.
Perfect Insulation
Assured.



Cat. No. 3136. Each **3c**
In Lots of 50, \$1.25. Lots of 100, \$2

**Porcelain Nail-It
Knobs**



Cat. No. 2295. Each. **2c**
In Lots of 100, \$1.20
In Lots of 50, 75c

Lightning Arrester

Durable Por-
celain Body.
Approved by
National
Board of
Underwriters!



Cat. No. 1721. **6c**
25 for \$1.40 50 for \$2.70
100 for \$4.95

**Giant Lightning
Arrester**



Highest Quality,
but not built
down to a price!
Heavily con-
structed of a
special high test
porcelain. Truly generous in size;
4 1/2 in. long, 1 5/8 in. wide, 1 3/8 in.
high. Approved by all Fire Under-
writers.

Cat. No. 3137. Each **20c**
In Lots of 12, \$2.10.
In Lots of 100, \$15.90

**Nokorode Soldering
Paste**

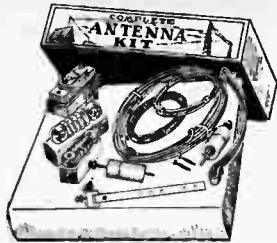


Will flux all metals
except Aluminum.
Absolutely non-cor-
rosive, safe as rosin
and rapid as acid.

Cat. No. 2590 **15c**
Per dozen, \$1.20

COMPLETE ANTENNA KITS

Contains: 100 ft. 7/27 stranded copper aerial; 50 ft. No. 16 rubber covered lead-in wire; 25 ft. No. 18 ground wire; 1 approved lightning arrester; 1 copper ground clamp; 1 lead-in strip; 2 porcelain insulators; 2 Nail-it knobs. Per kit. **54c**
Cat. No. 2291. **\$5.97 per dozen**



Contains: 100 ft. 7/22 stranded copper aerial; 50 ft. No. 16 rubber covered lead-in wire; 25 ft. No. 18 ground wire; 1 approved lightning arrester; 1 copper ground clamp; 1 lead-in strip; 2 porcelain insulators; 2 Nail-it knobs. **69c**
Cat. No. 1709. Per kit
\$7.90 per dozen

**"Bite-Grip" Ground
Clamp**



Note sharpened
point on screw
— it literally
bites into sur-
face of ground
connection. Cad-
mium plated. Fits up to 1 1/8 in.
diameter pipe.
Cat. No. 3145. **5c**

In Lots of 50, \$1.50
In Lot of 100, \$2.90

**Improved Ground
Clamp Strip**

Series of
Holes in Gen-
uine Copper
Strip Permit
Ready Attachment to Any
Diameter Pipe up to 2 in.



Cat. No. 1720 **6c**
In Lots of 50, \$2.00

**Heavy Duty Two Tip
Electric Solder Irons**



Cat. No. 3145

Supplied with 6 feet of black cord,
2-piece attachment plug, black-
enameled handle, highly-nickel-
tube, and large copper tips. Length
13 in. Weight 11 ounces.
Cat. No. 2686. Our Price .. **95c**

100 WATT MODEL
Furnished With Two Removable
Tins As Illustrated
Not too bulky for radio work. Pure
copper tips Weight 1 1/2 lbs.
Cat. No. 3145. **\$2.95**

200 WATT MODEL
Large, highly polished nickel tube.
Mahogany removable handle. 6 feet
heater cord. Element wound on
high grade amber, mica and steel
core. Large removable copper tip.
A good tool for heavy
work. Cat. No. 6011 ... **\$4.75**

ALL-PURPOSE COPPER HOOK-UP WIRE

22 GAUGE STRANDED WIRE
Contains seven tinned strands No. 29 wire, covered with both waxed, cotton, and rubber layers. Choice of colors. Cat. No. 6000.
25 ft. Coil **9c** 50 ft. Coil **17c** 100 ft. Coil **30c**

22 GAUGE SOLID WIRE
Same general characteristics as Cat. No. 6000
Wire described above. Cat. No. 6001.
25 ft. Coil **9c** 50 ft. Coil **17c** 100 ft. Coil **30c**

**GENUINE "PUSH-BACK" TINNED COPPER HOOK-UP
WIRE**

Available in either **RED** or **BLACK**
No. 19 Gauge Solid Cat. No. 1602 Per 100 ft. Roll **39c**
No. 18 Gauge Stranded Cat. No. 6010 Per 100 ft. Roll **63c**

HEAVY DUTY STRANDED WIRE NO. 14 GAUGE
Contains 40 strands No. 29 copper wire. Tinned surface assures rapid soldering. Unusually well insulated. Easy to work. Excellent for heavy amperage filament wiring circuits. Cat. No. 6002
25 ft. Coil **35c** 50 ft. Coil **65c** 100 ft. Coil **\$1.20**

NO. 12 GAUGE EXTRA HEAVY DUTY STRANDED WIRE
Contains 65 strands No. 29 Tinned copper. Insulation is strong enough to stand 10 amps. at 2 1/2 volts. Cat. No. 6003
25 ft. Coil **48c** 50 ft. Coil **90c** 100 ft. Coil **\$1.75**

NO. 20 GAUGE TWISTED PAIR
Composed of two twisted conductors, each containing 16 tinned strands No. 29 wire. Heavily rubber insulated. Excellent for filament wiring circuits. Cat. No. 6004.
25 ft. Coil **18c** 50 ft. Coil **34c** 100 ft. Coil **60c**

HEAVY DUTY TWISTED DUAL CONDUCTOR CABLE
Excellent for A.C. filament circuits. Contains 19 strands No. 25 tinned copper wire—very heavily insulated by a layer of cotton, then seamless rubber, in turn covered by glazed cotton. Cat. No. 6005.
25 ft. Coil **70c** 50 ft. Coil **\$1.40** 100 ft. Coil **\$2.50**

**Solid Copper—Rubber
Covered Lead-In Wire**



Best grade No. 17
pure copper wire,
with a 3/64, new
code, live rubber
covered insulation.

Cat. No.	Continuous Length Reels	OUR PRICE	In lots of 25
2281	25 ft.	\$.10	\$.08
2282	50 ft.	.17	.15
2283	100 ft.	.27	.26

No. 14 gauge tinned and heavily rubber insulated lead-in wire. Outer fabric covered. Easy to strip and solder.

Cat. No.	Length	Single Lots	In lots of 10
6006	25 ft.	14c	12 1/2c
6007	50 ft.	26c	24c
6008	100 ft.	50c	48c
6009	500 ft.	2.25	2.15

Shielded Lead-In

Also Ideal for Con-
necting Multi-
Speaker and Con-
trol Box Install-
ations.



Consists of a
stranded copper
wire conductor
with a heavy, rub-
ber insulation and
an over-all braid
of fine tinned cop-
per wire, which
serves as a shield.
In general utility
work, this shield
can serve as one
conductor!
Cat. No. 2069. Length
50 ft. **50c**

Cat. No. 2070.	100 ft.	95c
Cat. No. 2071.	500 ft.	\$4.50
Cat. No. 2072.	1000 ft.	\$8.50

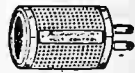
Window Lead-In

No Leakage Losses Assured
Due to Effective Water-proof
Lacquered "Web Woven" In-
sulation Over Copper Band.
12 in. Long.

Cat. No. 1722. **4c**
Box of 50, \$1.40 \$2.75 per 100

**Automatic Air-Cooled
Voltage Control**

Air-cooled— Note
ventilating screen.
Designed for all
types of A. C.
radio sets. Pre-
vents primary voltage from exceed-
ing 110, as required for safe opera-
tion.
Cat. No. 359. **35c**



**Copper Ground Clamp
With Fahnestock Clip**

Cat. No. 2288. **5c**
In single lots
Lots of 50, \$1.20 Lots of 100, \$2.20

Rosin Core Solder

Cat. No. 3355.
Generous por-
tion can 15c
Cat. No. 3356.
Per 1 lb. Spool 42c
Cat. No. 3357.
Per 5 lb. Spool 1.90



ELECTRIC WIRE



Available In 100 to 1000 Ft. Rolls In One Continuous Length!

Cat. No. 2937. Single cotton covered. Rubber insulated. No. 18, 1/64. Per 100 ft. **48c**

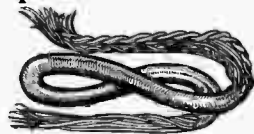
Cat. No. 2938. Double Twisted (Green and Yellow) Lamp Cord. Cotton covered. Heavy rubber insulation. Size wire, No. 18, 1/64. Per 100 ft. **95c**

Cat. No. 2939. Silk Covered Parallel Lamp Cord, No. 18, 1/64. Rubber Insulated. Ass't d. colors available. Per 100 ft. **95c**

Cat. No. 6411. Silk Covered Twisted Lamp Cord, No. 18, 1/64. Rubber Insulated. Ass't d. colors available. Per 100 ft. **\$1.25**

Filament or All-Purpose Hook-Up Wire

Heavily rubberized insulation on each multi-twisted strand. Wire ranges from size No. 12 to No. 18. The rubber insulation is vari-colored. Now in cable form, and can be used as such, or easily unraveled giving individual use of each vari-colored strand.



Type "B"

TYPE "A"

Contains 12 conductors, representing a total of 150 inches of wire. Cat. No. 6412. Per Cable **18c**

TYPE "B"

Contains 12 conductors, each one being 6 ft. long, therefore, offering a total of 72 feet of valuable wire! Cat. No. 6413. Per Cable **90c**

Multiple Conductor Power Cables



For heavy duty work—remarkably well insulated. Each cable is 6 feet long, and each conductor is individually colored.

Cat. No. 6414. 6 Conductor Cable **25c**

Cat. No. 6415. 8 Conductor Cable **30c**

Cat. No. 6416. 10 Conductor Cable **35c**

30 Ft. Six Conductor R.C.A. Cable

Made up of six different colored No. 18 rubber insulated wires with a cotton braid over each wire. The whole is enclosed with a brown silk braid. Terminals at each end.



Cat. No. 6417. 180 ft. Total Length of Wire **\$1.95**

Litz Wire

Ideal for Loops and High Efficiency R. F. Inductances



Brown silk covered. Excellent for indoor aeriols.

Cat. No. 6430. Per 1/4 lb. Spool **32c**

Per Dozen Spools **\$3.50**

Speaker Extension Cords



Finest quality, flexible wire, with ample braided insulation. Equipped with phone tips at both ends. Extension cord connector additional.

Cat. No.	Length	Each	Dozen
1409.	20 ft.	.19	\$2.15
1410.	30 ft.	.30	\$3.50
1411.	50 ft.	.43	\$4.80
6418.	100 ft.	.95	\$10.80

High Quality Double Phone Cord

Very heavy braid covered, best quality tinsel. Equipped with 6 phone tips and 3 tie cords. 5 ft. long. Cat. No. 1774. Each **15c**
In lots of 12 **12c**
Each **12c**



Steel Core Copper Multi-Stranded Drum Dial Cable



Cat. No. 1621	25 ft.	\$.80
Cat. No. 1622	50 ft.	.90
Cat. No. 1623	100 ft.	1.00
Cat. No. 2823	500 ft.	2.75

Genuine Phosphor Bronze Stranded Dial Cable

Cat. No. 2115	10 ft.	\$.45	Cat. No. 2113	100 ft.	\$3.50
Cat. No. 2116	25 ft.	1.00	Cat. No. 2119	500 ft.	16.00
Cat. No. 2117	50 ft.	1.85			

Victor and R.C.A. Linen Dial Cables

Specially treated—remarkable tensile strength, and wearing qualities. Looped at each end. 23 inches long. Cat. No. 2114. **10c**

Highly Treated, Finest Long Fibre, Pure Japan Silk Drum Dial Cable

Used by Hammarlund on all their latest drum dials. Surface highly glazed—possesses tremendous tensile strength. Waterproof—braided hard and even—will not loosen. Surface will not wear down or fringe.

Cat. No. 2104	Per 3 ft. length	\$.12
Cat. No. 2105	Per 10 ft. length	.30
Cat. No. 2108	Per 25 ft. length	.60
Cat. No. 2107	Per 100 ft. length	2.25
Cat. No. 2108	Per 500 ft. length	8.95

Peerless Cable Cord

Approximately 1/16 in. diameter—heavily braided. Ideal for use with heavy drive drum dials and condensers. No fear of tension loosening, or cord wearing too readily.

Cat. No. 2109	Per 3 ft. length	\$.12
Cat. No. 2110	Per 10 ft. length	.30
Cat. No. 2111	Per 25 ft. length	.60
Cat. No. 2112	Per 100 ft. length	2.25
Cat. No. 2113	Per 500 ft. length	8.95

Majestic and R.C.A. Drum Dial Cables

Can Be Used With All Drum Dials!

30 1/2 in. long. Very flexible braided wire. Cat. No. 1619. Each **6c**
In Lots of 12, 65c. In Lots of 50 In Single Lots, 8c each.



Multi-Wire Remote Speaker or Battery Cable

Available in 3-4-5-6-7-8-9-10 Conductor Cables!

Heavily insulated, both individually and by virtue of an outside covering of excellent wearing quality. Each strand is individually vari-colored, for ready identification.



Cat. No.	Conductor	Per 100 Ft. Roll
6421	3	\$2.60
6422	4	3.00
6423	5	3.40
6424	6	3.95
6425	7	4.55
6426	8	5.15
6427	9	5.80
6428	10	6.35

Also Available In 1000 Ft. Rolls—One Continuous Length—Deduct 10%

Ass't'd. Wire Kit

Contains Every Conceivable Type of Wire Needed on a Service Job



You will find shielded wire, hook-up wire, two conductor twisted leads, spaghetti, sleeves; assortment of No. 22, No. 20, No. 18, No. 16 wire down to a heavy No. 12 for heavy duty filament leads, in fact, all wire needed for any service or radio wiring job.

Cat. No. 6429. **49c**
Per Packet **49c**
Per Dozen Cartons **\$5.25**

Heat-Proof Cambric

Ideal for use in hot pitch filled transformer cans—will not melt even under terrific heat. Perfect insulator. A substitute for common types of "Spaghetti." Choice of various colors. Will fit up to No. 12 B. & S. gauge wire. Cat. No. 2074. **10c**



Per 3 ft. length **10c**

Hook-Up Wire Spaghetti

36 In. Long. Black. Cat. No. 6419. Per Dozen **35c**
Per 100, **\$2.50**

"Extra Wide" 5/16 In. Diameter Spaghetti

Will actually fully insulate No. 4 Gauge Wire! 3 ft. long each length. Cat. No. 6420. **95c**
Per Dozen **95c**

Supreme Quality Lead-In Wire



Not to be confused with ordinary lead-in wire—this conductor is a No. 14 Gauge TINNED COPPER WIRE, heavily rubber insulated, and then covered with a durable weatherproof fabric insulation. Strips very easily and neatly.

Cat. No.	Coil Length	Single Lots	Lots of 10	Lots of 25
7198	25 Ft.	14c	13c	12 1/2c
7199	50 Ft.	26c	25c	24c
7200	100 Ft.	50c	49c	48c

"No-Leak" Hook-Up Wire Choice of Solid No. 22 Gauge or 20 Gauge STRANDED

Costs a few cents more than common types of this wire, but, you are assured maximum safety using this superior wire! Double Insulated, rubber and braid covered. Tinned, 7 strand, 20 gauge. Choice of following colors: Red, Yellow, Green, Black, Black with Red tracer, Yellow with Black tracer, Red with Black tracer, Black with Yellow tracer.



7472.	25 Foot Coil	12c
7473.	50 Foot Coil	22c
7474.	100 Foot Coil	39c



The ARCTURUS
blue TUBE →

Arcturus-DeForest Sylvania-Eveready RADIO TUBES



Carefully tested and packed.
Carry the regular factory guarantee.

As we are distributors of all types of tubes, and our stocks of same are at all times ample, you can well select us as your exclusive source of supply for any type tube. All tubes are double checked

and tested, once, when we receive them from its manufacturers and again, just before they are shipped. As rapidly as new tubes are produced, we will be in a position to ship such current models, at

proportionate discounts, as below indicated. Should your tube requirements not be covered by the listings on this page, let us know the facts, and permit us to quote you accordingly. We desire to be of SERVICE TO YOU!

Type Tube	List Price		Description	De Forest Audions	Arcturus Blue Tubes	Sylvania Tubes	Eveready Raytheon 4-Pillar Tubes
UX112A	\$1.55	5.0	Volt Detector Amplifier	\$.91	\$.83	\$.83	\$.86
UX120	3.00	3.3	" Amplifier	1.76	1.70	1.59	1.62
UX171A	.95	5.0	" Amplifier	.55	.51	.51	.55
UV199	2.75	3.3	" Detector Amplifier	1.65	1.46	1.46	1.49
UX199	2.55	3.3	" Detector Amplifier	1.51	1.36	1.36	1.40
UX201A	.80	5.0	" Detector Amplifier	.47	.42	.42	.45
UX210	7.25	7½	" Power Amplifier	4.27	3.85	3.85	4.05
UX222	3.15	3.3	" Screen-Grid R. F. Amplifier	1.87	1.70	1.70	1.95
UY224A	1.65	2.5	" Quick Heater R. F. Amplifier	.97	.87	.87	.91
UY551	1.65	2.5	" High Gain Var. Mu. S. G. Amplifier	.97	.87	.87	.90
UX226	.85	1.5	" A. C. Amplifier	.49	.44	.44	.46
UY227	1.05	2.5	" Detector Amplifier	.61	.55	.55	.58
UX230	1.65	2.0	" Battery Detector Amplifier	.97	.87	.87	.90
UX231	1.65	2.0	" Battery Power Amplifier	.97	.87	.87	.90
UX232	2.35	2.0	" Battery Screen-Grid Amplifier	1.39	1.26	1.26	1.29
UX233	2.80	2.0	" Battery Pentode Amplifier	1.68	1.50	1.50	1.53
UX234	2.80	2.0	" Super Control R. F. Pentode Amp.	1.68	1.50	1.50	1.52
UY235	1.65	2.5	" Var. Mu. Screen-Grid Amplifier	.97	—	.87	.91
UX236	2.80	6.3	" Auto S. G. R. F. Amplifier	1.68	1.50	1.50	1.53
UX237	1.80	6.3	" Auto Detector Amplifier	1.06	.96	.96	.98
UX238	2.80	6.3	" Auto Pentode Amplifier	1.68	1.50	1.50	1.53
UX239	2.80	6.3	" Super Control R. F. Pentode Amp.	1.68	1.50	1.50	1.53
UX245	1.15	2.5	" Volt Power Amplifier	.67	.61	.61	.63
46	1.55	2.5	" Class B. Amp. A. C. or D. C.	.91	.82	.82	.82
UY247	1.60	2.5	" A. C. Pentode Amplifier	.94	.85	.85	.87
UX250	6.20	7½	" Power Amplifier	3.64	3.28	3.28	3.34
UX280	1.05	5.0	" Full Wave Rectifier	.61	.55	.55	.56
UX281	5.20	7½	" Half-Wave Rectifier	3.06	2.76	2.76	2.81
55	1.60	2.5	" Duplex-Diode Triode, A. C. or D. C.	.94	.85	.85	.87
56	1.30	2.5	" General Purpose Triode, A. C. or D. C.	.76	.70	.70	.73
57	1.65	2.5	" Triple-Grid Amplifier Detector, A. C. or D. C.	.97	.88	.88	.91
58	1.65	2.5	" Triple-Grid Super-Control, A. C. or D. C.	.97	.88	.88	.91
82	1.30	2.5	" Mercury Vapor Rectifier	.76	.69	.69	.73

Arcturus 15 Volt A. C. Tubes

Type	List	Description	Your Cost	Type	List	Description	Your Cost
26	\$4.00	Detector	\$2.12	30	\$3.00	Power Amplifier	\$1.59
28	3.00	Amplifier	1.59	40	3.00	Power Amplifier	1.59
48	3.00	Amplifier	1.59	22	7.50	Screen Grid	3.97

Sylvania Sparton & Kellogg Type Tubes

Type	List	Description	Your Cost
182B	2.50	Sparton A. C. Amplifier	1.33
183	2.00	Sparton A. C. Amplifier	1.06
485	1.75	Sparton A. C. Detector and Amp.	.92
401	4.00	Sparton & Kellogg Type 3 volt	2.40
484	2.75	Sparton Type 3 volt	1.65

"COAST-TO-COAST" 50 or 60 CYCLE, 80 TO 135 VOLTS A. C. SYNCHRONOUS ELECTRIC CLOCKS

**Accuracy Absolutely Guaranteed! No Winding! No Adjusting!
Nothing To Get Out of Order!**

OPERATING COST: APPROXIMATELY TWO CENTS PER WEEK!

Once you insert the plug into any 50 or 60 cycle A. C. Light Socket Plug, you need never again have to adjust the clock . . . it will keep **ACCURATE TIME FOREVER!** The principle involved is the same as employed by Govern-

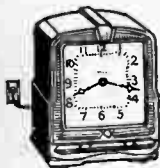
ment bureau electric clocks, the accuracy of which must be unquestionable! Absolutely silent in operation—absolutely safe. . . . Approved by all civic and state underwriters. The current consumption cost is too trifling to even be con-

sidered. Available in two models: one operating from 60 cycles A. C., and the other, 50 cycles A. C. Wherever not specified, we will ship a 60 cycle clock.

Every Clock Carries a Liberal One Year Guarantee - - Should Last a Life-Time!

Model "A" Synchronous Electric Clock

Available With Electric Bell Alarm If Desired



A handsomely patterned electric time piece—will improve the appearance of any room. Enclosed in a moulded bakelite case, resembling Genuine Walnut in finish! Stands 5 in. tall, 4 in. wide, and 2½ in. deep. The dial surface is in contrast buff, with easily visible black numerals. A flasher type indicator behind a suitable window denotes the synchronous motor is in motion. A genuine clear crystal lens further enhances the beauty of this clock. It is further equipped with a 6 ft. long rayon silk covered cord and electric plug.

Stupendous Value! \$1.49

Cat. No. 7458.....

Electric Alarm Equipped Model "A" Synchronous Electric Clock

Resembles Cat. No. 7458 Electric Clock just described, but features a conventional automatic electric alarm. **AN INVALUABLE FEATURE!**

Cat. No. 7459..... **\$1.69**

Model "C" Synchronous Electric Clock

Another popular seller. Appeals to housewives who prefer a genuine wood case to a moulded bakelite one. This model is enclosed within a handsomely finished and hand rubbed genuine walnut case, measuring 9¼ in. long and 5¾ in. tall. Its rugged and irregular pattern design is highly pleasing. The dial surface is finished in "dull silver" effect aluminum and its beauty is appropriately offset by a gilt bezel encircling it. To apprise you of the functioning of its synchronous motor, an almost inconspicuous flashing indicator window is provided on the dial surface. A convex crystal lens is included as is a 6 ft. long rayon silk covered electric cord and socket plug attached.



\$1.95

Cat. No. 7461.....

Model "E" Kitchen or Wall Synchronous Electric Clock



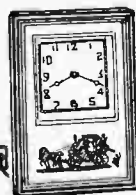
Housewives throughout the nation acclaim this electric time clock as the kitchen's most important necessity! Can be hung against the kitchen wall very readily. It is enclosed in a WHITE METAL DIE CAST frame, and is available in a choice of highly enameled colors. The diameter of 6¼ in. makes this clock easily read from any distance in a room, the embossed numerals showing up nicely on the buff colored dial surface. Equipped with a flasher type indicator, durable CONVEX CRYSTAL LENS, and a 6 ft. long rayon silk covered electric cord and socket plug!

Choice of Blue—Green or Ivory Gloss Enamel! \$1.85

Cat. No. 7463.....

Model "G" Easel Rest Novelty Synchronous Electric Clock

Intended for use on dressing tables, desks, mantel pieces, etc., where the feature of supporting the clock on an easel is in good taste. (The easel rest is not visible in the illustration herewith.) A highly nickel plated metal case, measuring 7 in. tall, 5 in. wide, houses this unique clock. The black numerals and buff colored dial surface are a pleasing combination, assuring ready visibility from a distance. A fine piece of clear crystal lens of ample thickness, a flasher movement type indicator and a 6 ft. long rayon silk covered electric cord and socket plug is included



Choice of Blue, Green and Pink \$2.25

Cat. No. 7466.....

Model "B" Synchronous Electric Clock



A faithful reproduction in style of a clock design that has been a favorite for hundreds of years. Enclosed in a genuine rubbed mahogany wood cabinet, fitted with handsome walnut over-lays. Its soft beauty will well deserve your warm praise! Generously proportioned, measuring 14 in. long, by 5¼ in. tall. The scale surface is rich aluminum offset by an attractive gilt bezel. The conventional flasher type indicator shows the clock mechanism in operation. A substantial convex crystal lens enlarges the dial numerals. Fitted with a 6 ft. long rayon silk covered electric cord, and socket plug.

Here Is Value Plus \$2.65

Cat. No. 7460.....

Model "D" Commercial Synchronous Electric Clock

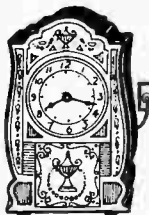
Mainly intended for use in offices, stores, institutions, factories, sales windows, etc., etc., where a substantially sized clock is necessary. Enclosed in a richly finished, hand rubbed MAHOGANY wood frame, measuring 15¼ in. square. Its numerals and arms are so large that they can be readily read at great distances! The dial surface itself measures 14 in. square and is made of WHITE ENAMELED ZINC! There is included a flasher indicator and a double strength glass lens, as well as a 6 ft. long rayon silk covered electric cord and socket plug. Can be universally mounted.



\$4.95

Cat. No. 7462.....

Model "F" Non-Alarm and Alarm Synchronous Electric Clocks



An intricately patterned design of rare beauty, available in a choice of black or green crackle finish. The metal case is formed of durable die-cast white metal, handsomely engraved. This clock stands 5½ in. tall, 4½ in. wide and 2¾ in. deep. Its dial surface is buff finished and offers a contrasting relief to the jet black numerals. There is included a flasher type synchronous motion indicator, a heavy clear crystal lens and a long wearing quality rayon silk covered electric cord and socket plug.

Cat. No. 7464. NON-ALARM MODEL. **\$1.65**

Electric Bell Type Alarm Model "F" \$1.95

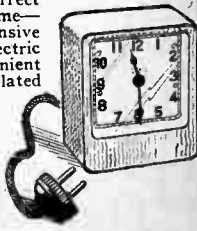
Cat. No. 7465.....

Model "H" Synchronous Electric Clock

Available in Alarm and Non-Alarm Types

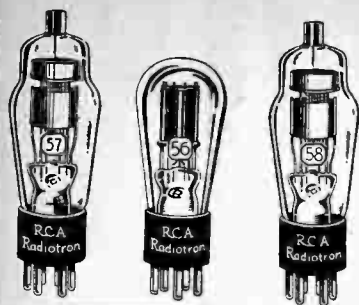
NO SPRINGS. No Winding. Continuous Correct Time. Guaranteed to keep the same accurate time—always to the second—just as any of the more expensive clocks. Derives its motive power direct from the electric circuit. All you do is plug cord into any convenient electric light socket, 60 Cycle, 100 to 135 Volt Regulated Alternating Current. Economical, consuming approximately two watts costing on an average of less than one-third of a cent per day. Equipped with a 6 foot cord with plug. Size: 4½ in. high, 3½ in. wide, 2¼ in. deep. Furnished in Green Pastel Enamel.

Cat. No. 7467. Non-Alarm Model..... **95c**

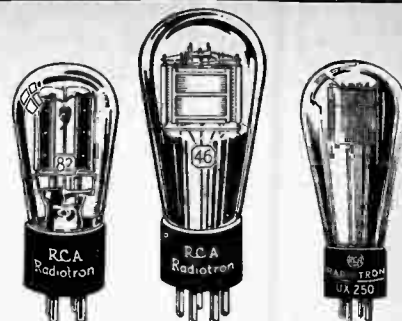


Electric Alarm Model "I" \$1.95

Cat. No. 7468.....



RCA-Radiotron And Cunningham RADIO TUBES



The House of "Coast-To-Coast" Strongly Urges Their Dealers to Concentrate on the Exclusive Sale and Use of RCA Radiotron and Cunningham Radio Tubes—you will accordingly build Good-Will Thereby!

Supply Them With RCA RADIOTRON and CUNNINGHAM Tubes—TO-DAY THEY COST YOU NO MORE! The RCA or Cunningham Liberal Replacement Guarantee Assures Your Protection!

**RCA UX-112A
CUNN. CX-112A**

Detector-Amplifier

Dealers Cost **91c**

**RCA UY-224A
CUNN. C-324A**

(Replaces UY-224 and C-324—the present series "A" series are faster heaters.)
Screen-Grid R. F. and A.F. Amplifier

Dealers Cost **97c**

**RCA 234
CUNN. CX-234**

D. C. Screen Grid
Pentode R. F. Amp.

Dealers Cost **\$1.65**

**RCA 247
CUNN. C-347**

Pentode Power Amplifier

Dealers Cost **94c**

**RCA 46
CUNN. C-46**

Class "A" and "B" Power Amplifier

Dealers Cost **91c**

**RCA 56
CUNN. C-56**

Standard UY Socket Detector—A. F. and R. F. Amplifier and Oscillator

Dealers Cost **76c**

**RCA UX-120
CUNN. CX-220**

Power Amplifier

Dealers Cost **\$1.76**

**RCA UX-226
CUNN. CX-326**

R. F. and A. F. Amplifier

Dealers Cost **50c**

**RCA 235
CUNN. C-335**

Super Control Screen-Grid R. F. Amplifier

Dealers Cost **97c**

**RCA UX-250
CUNN. CX-350**

Power Amplifier

Dealers Cost **\$3.65**

RCA 852

Osc. & R. F. Amplifier

Dealers Cost **25.20**

**RCA 57
CUNN. C-57**

Six Prong Screen-Grid Short-Wave R. F. Amplifier-Detector

Dealers Cost **97c**

**RCA UX-171A
CUNN. C-371A**

Power Amplifier

Dealers Cost **55c**

**RCA UY-227
CUNN. C-327**

Detector-Amplifier

Dealers Cost **61c**

**RCA 236
CUNN. C-336**

D. C. Screen Grid R. F. Amplifier

Dealers Cost **\$1.65**

**RCA UX-280
CUNN. CX-380**

Full-Wave Rectifier

Dealers Cost **61c**

**RCA 864
CUNN. CX-864**

Amplifier-Detector

Dealers Cost **\$1.61**

**RCA 58
CUNN. C-58**

Six Prong Variable Mu R. F. Amplifier—1st "Super" Detector

Dealers Cost **97c**

**RCA UV-199,
UX-199 CUNN.
C-299, CX-299**

Detector-Amplifier Type "UV" and "C"

Dealers Cost **\$1.65**

Type "UX" and "CX"
Dealers Cost **\$1.51**

**RCA 230
CUNN. CX-330**

D. C. Detector-Amplifier

Dealers Cost **97c**

**RCA 237
CUNN. C-337**

D. C. Detector-Amplifier

Dealers Cost **\$1.07**

**RCA UX-281
CUNN. CX-381**

Half-Wave Rectifier

Dealers Cost **\$3.06**

RCA 865

S. G. Osc. and R. F. Amplifier

Dealers Cost **\$13.22**

**RCA 55
CUNN. C-55**

Duo Diode Detector, Triode Amplifier, Automatic Volume Control

Dealers Cost **94c**

**RCA UX-201A
CUNN. CX-201A**

Detector-Amplifier

Dealers Cost **46c**

**RCA 231
CUNN. CX-331**

D. C. Power Amplifier

Dealers Cost **97c**

**RCA 238
CUNN. C-338**

D. C. Power Amplifier

Dealers Cost **\$1.65**

**RCA 82
CUNN. C-82**

Full Wave Mercury Vapor Rectifier

Dealers Cost **76c**

**RCA 866
CUNN. C-366**

Half-Wave Mercury Vapor Rectifier

Dealers Cost **\$6.62**

**RCA 83
CUNN. C-83**

Full-Wave Mercury Rectifier

Dealers Cost — Less 40 and 2% from List

**RCA 210
CUNN. CX-310**

Power Amplifier-Oscillator

Dealers Cost **\$4.27**

**RCA 232
CUNN. CX-332**

D. C. Screen Grid R. F. Amplifier

Dealers Cost **\$1.39**

**RCA 239
CUNN. C-339**

D. C. R. F. Pentode Amplifier

Dealers Cost **\$1.65**

**RCA UX-841
CUNN. CX-841**

Oscillator-Power Amplifier

For Class "A" - "B" - "C"
Dealers Cost **\$7.64**

**RCA 868
CUNN. CX-868**

Photo Tube

Dealers Cost **\$5.88**

**RCA 85
CUNN. C-85**

Similar to 55 But Intended for 6-Volt Auto Sets
Dealers Cost — Less 40 and 2% from List

**RCA UX-222
CUNN. CX-322**

Screen Grid R. F. Amplifier

Dealers Cost **\$1.86**

**RCA 233
CUNN. C-333**

D. C. Pentode Amplifier

Dealers Cost **\$1.65**

**RCA UX-245
CUNN. CX-345**

Power Amplifier

Dealers Cost **67c**

RCA UX-845

50 Watt Modulator-Amplifier

Dealers Cost **\$30.00**

**RCA UX-874
CUNN. CX-374**

Voltage Regulator

Dealers Cost **\$2.88**

**RCA 89
CUNN. C-89**

Class "A" and "B" Pentode for Auto

Dealers Cost — Less 40 and 2% from List

R.C.A. and Cunningham Full Wave Mercury Rectifier Tube Series 83



Supplies large currents with minimum of tube voltage drop. Ideal for use in Class "B" amplifiers.

CHARACTERISTICS:

Filament: 5 Volts, at 3.0
Amps. Plate Voltage: 500 R.M.S.
Current: 300 Mils.
Approximate Tube-Voltage Drop: 15
Cat. No. 6543 **99c**

588 Full-Wave Mercury Vapor Rectifier

Replaces 2-281's—Can also be used to replace 1-280.

Fil. Volts 5.0; Fil. Amps. 2.0; A. C. Voltage per Plate R. M. S. 500; D. C. Output Current 300 Mills! Has a UX Base. Same Physical Size as a 280.

Cat. No. 5526. Mercury A. C. Transformer is designed for use with this remarkable tube. **\$2.95**

Cat. No. 5195 **\$1.45**

Cat. No. 5196. DOUBLE-ACTION SWITCH, Prolongs life of above tube—automatically turns on its FILAMENT before the PLATE VOLTAGE IS APPLIED. **\$1.45**



De Forest Transmitting Tubes

Cat. No. 6549. Type 510—15 Watt Oscillator. Specially treated plate gives high plate dissipation. No "creeping." High voltage breakdown. Low leakage. Ideal for crystal control oscillators. **\$4.20**

Cat. No. 6550. Type 511—50 Watt Oscillator. R.F. Amplifier, Modulator or R.F. Power Amplifier. Indeed a general purpose tube **\$15.00**

Cat. No. 6551. Type 503-A—50 Watt Oscillator and R.F. Power Amplifier. The standard "50 watt." **\$15.00**

Cat. No. 6552. Type 545—50 Watt A. F. Amplifier and Modulator. Not generally suited as an Oscillator or R. F. Amplifier **\$15.00**

Cat. No. 6553. Type 552—75 Watt Oscillator and R. F. Amplifier. Low internal capacity between elements. Low "frequency shifting" **\$23.00**

Cat. No. 6554. Type 565—7½ Watt Screen Grid R. F. Amplifier. Useful as "Buffer" Amplifier in telephone transmitters. Extremely low control grid-plate capacity. Requires no neutralizing. **\$35.00**

Cat. No. 6555. Type 560—75 Watt Screen Grid R.F. Amplifier. Extremely low control grid-plate capacity. Requires no neutralizing. **\$35.00**

Cat. No. 6556. Type 575—"Intermediate size" hot cathode mercury vapor rectifier. Designed to be used in place of the 572 when higher power is required. Rated 12500 volts inverse peak and 2.5 amperes peak current. Filament 5 volts, 12.5 amperes. **\$30.00**

All Other Types Available—Up to 10,000 Watt Tubes !!!

6.3 Volt D.C. or A.C. Low Consumption Tubes

Ideal For Sound Truck and Auto. Use

Type 41 X Power Amplifier Pentode
6.3 Volts at .65 Amps. Plate Voltage, 110 to 180 volts. 10 to 16 mls. plate current. Amplification Factor: 210-215. Undistorted Output: .65-1.2 watts. **\$1.54**

Type 42 X Power Amplifier Pentode
6.3 Volts at .65 amps. Plate Voltage: 250. Plate Current: 34 mls. Amplification Factor: 220. Undistorted Output: 3 watts. **\$1.54**

Cat. No. 6560. Type 44 Screen Grid R. F. (and A. F.)
6.3 volts, at 3 amps. Plate Voltage: 90 to 250. Plate current: 6 to 6½ mls. Amplification Factor: 152 to 630. **\$1.54**

The Ideal Tube for 250 Public Address Amplifiers

Type 871 (866 Type) Half-Wave Mercury Vapor Rectifier Two of These Tubes Can Be Substituted For 2—281's! Radiate Considerably Less Heat!

Maximum Peak Inverse Voltage—5000 Volts
Maximum Peak Plate Current—300 Mils.
Approximate Tube Voltage Drop—15 Volts



FILAMENT VOLTAGE: 2.5 VOLTS.
FILAMENT CURRENT: 2.0 AMPS.
Due to the low filament wattage required by this remarkable tube, it is the most economical mercury vapor rectifier obtainable.

Two of these tubes may be operated in series from a 5-volt winding as the total filament current and voltage of the two tubes in series is equal that of a 280 type tube.

Filament and plate current may be applied at the same time.

Unusually compact—only 1¾ in. max. diameter, and 5 in. height over-all above the UX prongs. Approximately the same size as a 227. We recommend that you use these tubes in conjunction with the 871-588-866 Type A. C. Power Transformer, our Cat. No. 5526, listed elsewhere in this catalog. **\$2.95**

proximately the same size as a 227. We recommend that you use these tubes in conjunction with the 871-588-866 Type A. C. Power Transformer, our Cat. No. 5526, listed elsewhere in this catalog. **\$2.95**

R.C.A. 866 Half-Wave Mercury Vapor Rectifier Specifications

Fil. Voltage: 2.5 Fil. Current: 5.0 amps. Max. Peak Inverse Voltage: 7500. Max. Peak Plate Current: 600 mls. Approx. Voltage Drop: 15. For Full-Wave Rectification, two of these tubes are required. **\$6.30**

Cat. No. 6544.....

"COAST-TO-COAST" Mercury Vapor Rectifiers

Type 866 Half-Wave Rectifier
Filament Voltage: 2.5. Filament Current: 5.0 amps. Plate Volts Inverse Peak: 7500. Plate Current: 0.6 amps. (600 mls.). Approx. Voltage Drop: 12. **\$3.75**

Cat. No. 6545.....

Type 881 Half-Wave Mercury Rectifier

Filament Voltage: 7.5. Filament Current: 1.25 amps. Plate Volts Inverse Peak: 7500. Plate Current Peak 400 m. a. **\$3.95**

Cat. No. 6546.....

Type 872 Half-Wave Mercury Rectifier

Filament Voltage: 5.0. Filament Current: 10.0 amps. Plate Volts Inverse Peak: 7500. Plate Current Peak: 2.5 amps. **\$10.50**

Cat. No. 6547.....

Type 875 Half-Wave Mercury Rectifier

Filament Voltage: 5.0. Filament Current: 10.0 amps. Plate Volts Inverse Peak: 15000. Plate Current Peak: 2.5 amps. **\$25.00**

Cat. No. 6548.....



Wunderlich Tube

Dual grid detector and automatic volume control in one! Produces double the amount of distortion free volume. Can be used with any audio output coupling. Non microphonic. No shield or R.F. plate-filtering required. Its output is powerful enough to be fed to any power output stage tube, or tubes.

SPECIFICATIONS:

Filament: 2.5 Volts, 1.0 Amp. Amplification Factor: 12. Plate Current: 2 to 5 mls. Choice of 5 prong base (with tube cap cathode terminal) or 6 prong base. Plate voltage: 180 to 250.

Cat. No. 6557..... **94c**

Cat. No. 6558. 6.3 Volt, 4 Amps., **94c**

Auto Tube Type.....

Speed "Triple-Twin" Tube

Actually 3 Tubes In One!



Gives triple the output of a 245, (or the output of 1-250!) and double that of a Pentode at equal plate voltages! Replaces not only a 1. tubes, but also a detector tube. Plate potential: 180 to 250 volts. Filament voltage: 2.5 volts, 4.0 amps. Explicit diagrams furnished. 5 prong U. Y. base. **\$1.95**

Cat. No. 5689.....

Television Receiving Lamps

Features: Striking Voltage 100. Minimum Current to cover plate 5 Mills. Maximum Current 80 Mills. Internal Resistance 1000 Ohms. UX Four Prong Bakelite Base. Plate Area 1 in. square cathode. Overall size, 1¼ in. x 3¾ in. **\$3.90**

Cat. No. 5272.....

Cat. No. 5273. 1½ in. square Cathode. Overall, size 2 in. x **\$4.41**

6 in.....



Photo-Electric Cells

Gas-filled, potassium magnesium type, employing a special set-back anode to increase its output. Its fairly low ionization point reduces battery noises to a minimum. The bases are of Bakelite UX 4 Prong Type.

Cat. No. 5274. **\$4.50**

4 in. long.....



Caisium Photo-Electric Cells

Conceded to be superior to the Magnesium type photo-electric cell. **\$6.90**

Cat. No. 5275. Length 3¾ in.....

Cat. No. 5276. Length 4¼ in..... **\$9.00**

Cat. No. 5277.....

Rectifier Charger Bulbs

Cat. No.	Type	Our Price
2980.	6/10 Amp. Trickle.....	\$2.35
2981.	2 Amp. Old Type.....	2.35
2982.	2 Amp. New Type.....	2.35
2983.	6 Amp. Reg.....	4.71
5690.	Raytheon B. H.....	2.25



110 Volt A.C. or D.C. Neon Glow Lamp

Standard screw-on base. Note divided plates—both light on A. C., only one lights on D. C. Excellent for continuity tests—purchase a pair of test prods, and wire them in series with your house current and this lamp—the glow will indicate the approximate resistance in the circuit, or, not glow at all if there is no circuit! Naturally, if there is no resistance in the circuit, the lamp will glow full strength. Also used for testing resonance in speakers—some experimenters devise Television applications with them. Height above top of brass base: 2½ in. **95c**

Cat. No. 5277.....

Amperite Automatic Line Voltage Control For All Sets

The proper AMPERITE for any 110-120-volt Transformer Primary can be approximated by the following chart:

Use Amperite	Output tubes in set.
2-45's (or Pentode)*	9-A-5
7 to 10†	9-A-5
1-45 (or Pentode)*	7-A-5
5 to 8†	7-A-5
1-45 (or Pentode)*	5-A-5
3 to 4†	5-A-5
1-or 2-12A ('71A)*	7-A-5
6 to 9†	7-A-5
1-210*	7-A-5
6 to 8†	7-A-5
2-250*	7-A-5
7 to 10† ... (use 2)	9-A-5



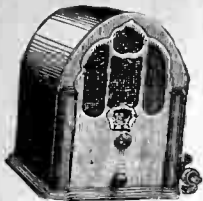
Your Cost, Each..... **\$1.62**

Special Adapter19c

NOTE: Special amperites for sets they were designed for also available.

**Here Is the Radio Set of Tomorrow
to Suit the Purse of Today!**

**"Coast-to-Coast" Jr. Model 5 Tube Triple Grid, Super Control
Pentode A. C. Midget Receiver**



**Require 2-58 Triple Grid Super Control, 1-57 Screen Grid,
1-247 Pentode and 1-280 Rectifier Tubes!**

Mass production has enabled this receiver to be sold at a low price far out of line with its actual worth, comparing it rightfully with larger and considerably more expensive receivers. The requisites that go to make for complete satisfaction are offered in full measure by this triumph of modern Radio engineering brains and mechanics.

Featuring satisfactory performance, stability, ease of operation and in-sequential operating cost. Illuminated dial—individually compensated section variable condenser. Fully shielded throughout—all sockets plainly marked. Air cooled A. C. Power transformer, Electrolytic condensers—Volume Control and self-contained A. C. Switch. Attractive Cabinet. True Reproducing Utah Dynamic Speaker. Volume enough to warrant keeping it under control. Selectivity and sensitivity that will delight you in short, here is a receiver to warrant your complete approval! For 110 volt 50-60 cycle A. C.

Cat. No. 7600..... **\$11.95** Cat. No. 7601. Set of 5 Cunningham Tubes **\$4.26**

**Dumont "Hum-Free" Latest
Model 6 Volt "A" Eliminator**

Equipped for satisfactory service for sets using up to eight 6 volt type tubes. Absolutely dry, using no liquids or acid. Guaranteed to be absolutely quiet and gives a constant supply of "A" current without any hum. Easy to install and simple to operate. 110 volt, 50 to 60 cycle A. C.



Cat. No. 438..... **\$8.95**

Dumont "A" and "B" Eliminator

Bone-Dry. Furnishes 6 volts (at 2 1/2 amperes) "A" current for 201A, 112A and 171A type tubes, and ample "B" voltage (several intermediate voltages provided). Humless and Quiet. Requires a 280 tube. Plug into any 50-60 cycle 110 A. C. socket.

Cat. No. 1587..... **\$14.75**

280 Tube, 50c Additional

R.C.A. Speaker Filter

Connect across any voice coil



When connected across any voice coil from 1 to 20 ohms this filter eliminates all scratch noises and all interfering high frequency signals picked up by the speaker cable. Contains a 250 microhenry inductance and a 6 mil, 600 volt condenser.

Cat. No. 7603..... **\$2.75**

**Replacement Phosphor Bronze
Condenser Drum Dial Belts**

**Cables and
Cords for All
Receivers**



Cat. No.	SET	Our Price	Per Dozen
3308	Atwater Kent belts, Models 35-37-40-41-42-43-46-51-52-53-55-56-61 (short and long)...	30c	\$8.25
3309	Amrad 84	20c	2.25
3310	Balkeitt cable	30c	3.25
3311	Bosch Model 58a	30c	3.25
3312	Bosch Model 48a	25c	2.75
3313	Bosch 28	25c	2.75
3314	Bosch 58, 60	30c	3.25
3315	Colonial Belts, Models 31-32 (complete with spring screw and bolt)	35c	3.75
3316	Crosley band model 40-S, 60-S, 804	30c	3.25
3317	Crosley Model 601-602-607	30c	3.25
3318	Emerson cable Model 8-2-F	30c	3.25
3319	Freed-Eisemann Belts, Model N.R. 60	30c	3.25
3320	First National	30c	3.25
3321	Freshman Model 2	30c	3.25
3322	Grebe SK4 Cable with Spring	20c	2.25
3323	Kolster	18c	1.95
3324	Majestic 52, 60	20c	2.25
3325	Majestic Band Model, 70-71-72, and comb.	25c	2.75
3326	Philco, All Models	25c	2.75
3327	R.C.A. 16, 17, 18, 33 Linen	60c	6.75
3328	R.C.A. dial cable, Models 17-18-46	30c	3.25
3330	R. C. A. 64, 67 (very heavy phosphor bronze wire) complete with connector.....	\$1.00	10.50

**Machine and Wood Screws
10 of a Size in an Envelope**



Cat. Nos. 2670 Cat. Nos. 2664
to 2674 to 2669

MACHINE SCREWS

Choice of Round, Flat or Oval Head

Cat. No.	Length	Thread
2664	3/8	x 6/32
2665	1/2	x 6/32
2666	5/8	x 6/32
2667	3/4	x 6/32
2668	1	x 6/32
2669	1 1/4	x 6/32

Per pkg. **7c**
of 10
12 pkgs. for.....70c

WOOD SCREWS

Choice of Round, Flat or Oval Head

Cat. No.	Length	Size
2670	1/2	x No. 5
2671	5/8	x No. 6
2672	3/4	x No. 6
2673	1	x No. 6
2674	1 1/4	x No. 6

Per pkg. **7c**
of 10
12 pkgs. for.....70c

Machine & Wood Screw Assortments

**Each Box Contains 85
Screws, 3/8, 1/2, 3/4, and
1 in. long**



MACHINE SCREWS

Cat. No. 2675. Ass't Round Heads	35c
Cat. No. 2676. Ass't Flat Heads	35c
Cat. No. 2677. Ass't Oval Heads	35c
Cat. No. 2678. Ass't Round Heads (8/32) ..	45c

Wood Screws

1/2 and 3/4 inches long

Cat. No. 2679. Ass't Round, Flat, and Oval Heads **35c**

**SPECIAL OFFER: One each of
the 5 Assortments above listed \$1.35**

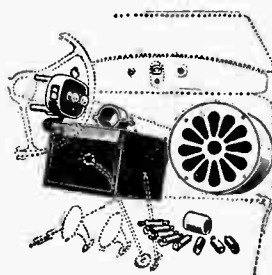
**"COAST-TO-COAST" SIX TUBE TRIPLE SCREEN GRID
PENTODE PUSH-PULL AUTOMOBILE RECEIVER**

Uses 3-236, 1-237, 2-238 New Series
Automobile Tubes

Equipped with REMOTE CONTROL and
DYNAMIC SPEAKER

Can Be Installed on the Steering Post or
Anywhere In Any Car by Any Novice—
Just a Few Screws To Tighten! Extra-
Ordinary Performance, Exquisite Tone
and Remarkable Volume Compares Fav-
orably with the Average Set for Home
Use

Smallest ever designed for motor car use. The ingenious layout of the chassis provides all necessary shielding. "Miles Ahead" in Automobile Radio Design, Tone, Volume and performance. Draws its "A" current from the storage battery of the car. "B," or plate current, is obtained from large, dry "B" batteries or from Auto "B" eliminators listed elsewhere in this catalog. Voltages from "B" batteries are divided within the set and each lead is filtered to prevent interstage coupling. The standard equipment furnished includes a steel case for the housing of the "B" batteries. This case, fastened out of sight under the floor boards, is easily removed for occasional



This view shows a suggested installation. You can of course mount the equipment anywhere in the car to suit the conveniences that suggest themselves. Any novice can install this remarkable Auto Receiver without marring the car in doing so!

inspection and change of the batteries if desired, or a "B" eliminator can be fastened within this case. Requires four 45-volt "B" batteries. The "C" bias is automatically taken care of within the chassis. There are only four, weatherproof and shielded cables to attach, two for the "B" batteries, and two for the storage battery within the car. The Utah dynamic speaker (with 8-inch diameter cone!) is equipped with a four prong, readily removable plug and cable—two leads take care of the receiver output, and two are for the 6-volt field current supply. All "A" and "B" battery leads are appropriately by-passed and filtered.

Employs Remote Control Principle

The Utah remote Tuning and Volume Control and Lock-Switch—not much larger than a cigarette box (4 in. long, 2 1/2 in. wide)—is best attached to the steering post and from there effectually controls, tunes and operates the set, no matter where the set itself may be located. Connection between the control and the set is made by a flexible shaft. This shaft is supplied with standard equipment. A key lock for filament control is included—two keys furnished.

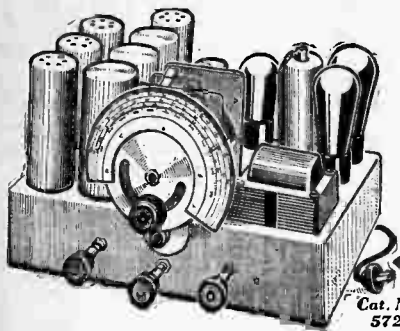
Remarkably Compact

The receiver case measures 10 in. long, 6 in. wide, 5 1/2 in. high. The battery case measures 13 in. long, 9 in. wide, 8 in. high. The dynamic speaker is 10 in. high, 10 in. in diameter, 4 in. deep. A clever mounting bracket on the dynamic speaker provides for universal mounting facilities anywhere in the car.

Cat. No. 7602. Fully Assembled. . . **\$32.50**
Ready for Immediate Use.....

**Complete With RCA Tubes and Auto
Receiver in Metal Case, Metal "B" Bat-
tery Case, Remote Control and Shaft,
Dynamic Speaker, Spark Plug Suppres-
sors, Two Filter Condensers, and All
Necessary Mounting Clamps.**

R.C.A. LICENSED "COAST-TO-COAST" 8 TUBE SINGLE TUNING DIAL ALL-WAVE 10 TO 550 METER AUTOMATIC VOLUME CONTROL A.C. SUPER-HETERODYNE RECEIVER



This One Chassis Illustrated is Entirely Self-Contained and Covers 10 to 550 Meters— Absolutely No External or Auxiliary Apparatus Required!

Employs Latest Design R.C.A. Tubes: 1-56, 2-57, 3-58, 1-247, 1-280

able receiver—this apparatus is built for the masses, although any trained Radio Engineer could want for no finer machine!

Modern Perfection of Radio Set Construction Has Made Possible This Most Compact Assembly!

A few years ago, were it possible to have built a receiver of its scope, the progress of radio set construction then could not have permitted the erection of this receiver on a smaller chassis than possibly 24 in. long—compare that to these dimensions: 13½ in. long, 10½ in. deep and 8¾ in. high! Yet, there has been no crowding of parts, and no losses incurred or any sacrifice of efficiency, due to this remarkable engineering achievement! The Chassis itself is made of durable, heavy, cadmium plated steel, with all parts most securely mounted. An exclusive feature is the principle employed of anchoring the variable condenser on a three point rubber mounting, to preserve the alignment of plates, and incidentally preventing any microphonic "howls." Its careful design permits its use, under any climatic conditions—excellent for use in the tropics, where short-wave reception is highly desired.

Employs a Powerful Array of Tubes— Each One Functioning To Its Utmost!

The Tubes used include one 57 screen-grid first detector, one 56 oscillator, two 58 Triple Grid, Super Control Intermediate frequency amplifiers, one 56 diode detector which also acts as the automatic volume control tube, one 58 variable-mu controlled audio amplifier, one 247 power pentode output tube, and one 280 full-wave rectifier. Note the fact that a 58 Variable Mu constitutes the tube selected for use as a 1st A. F. Amplifier. You will be amazed by the tremendous degree of volume produced in the a. f. amplifier, and the quality of its reproduction will thrill you with its sheer realism! To insure the sensational results that this remarkable receiver is capable of, we sincerely recommend that you purchase the Matched Electro-Dynamic Speaker listed herewith.

The Most Modern and Effective Form of Automatic Volume Control Is Utilized

Many other features are incorporated in the design and construction of this chassis. One of these is a method of using a portion of the voltage generated in the radio frequency automatic volume control, to govern the audio amplification. This prevents all possibility of overloading the receiver and reduces distortion to a bare minimum, thus providing a remarkable degree of automatic volume control. In addition, the automatic volume control is so proportioned that the receiver is tuned accurately and easily without an Indicator or meter. An intermediate frequency of 507.5 kilocycles insures proper image attenuation.

The quality of reception obtained is shown by the fact that the fidelity is essentially flat over an audio range from 50 to 4000 cycles. The sensitivity is better than 6 microvolts, while the selectivity is in the order of 10 kilocycles. These stock model chassis are designed for use with 110-120 Volts A. C., 50-60 cycles. (Other models are available—25% additional!)

Volume Sales Alone Account for These Exceptionally Low Prices!

Cat. No. 5720. 8 Tube All-Wave 10 to 550 Meter Chassis	\$34.90
Cat. No. 5721. Matched Dynamic Speaker	\$6.90
Cat. No. 5722. Set of R. C. A. Tubes	\$6.93

Special Combination Offer

If you purchase AT ONE TIME, Cat. No. 5720 Chassis, Cat. No. 5722 Tubes, and Cat. No. 5721 Dynamic Speaker, Your Net Cost COMPLETE Will Be **\$44.50**

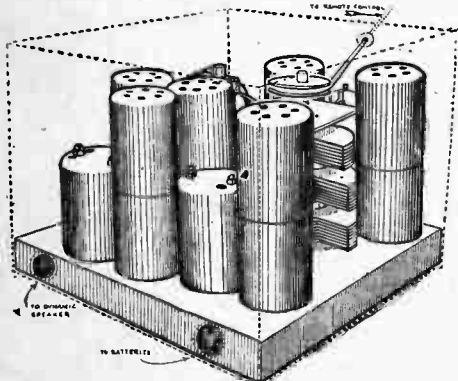
Four Bands All Calibrated on a Single Illuminated Dial Which Offers An Exclusive Dual-Ratio Drive!

The immense and immeasurable value offered by the feature of single dial control, of stations from 10 to 550 meters, is too well known for further elaboration—on the face of this cleverly designed dial, there are four scales, and the entire frequency band appears thereon, the short waves (10 to 200 meters) being designated under "Megacycles" and the broadcast band (200 to 550 meters) is designated under "Kilocycles," in the now approved and conventional manner! A highly ingenious but fool-proof mechanism permits your choice of two speeds of dial rotation, it obviously following that slow speed is highly desirable when in the quest for short wave stations! And—only one single knob offers you all these aforementioned vitally valuable features! **Operation Is Simplicity Within Itself— Any Child Can Work This "Miracle Receiver"!**

The balance of its controls comprise a wave band selection knob, that switches the various frequency ranges in conjunction with the main tuning control. Another knob provides manual volume control and incorporates a Self-Contained A. C. Line Switch. Then, there is a Tone Modifier and combined acoustic compensator, which is quite similar to a Tone Control, although far more efficient! Needless to say, no technical knowledge is necessary to operate this remark-

Fully Assembled (Unwired), OR, Factory Wired

"COAST-TO-COAST" SUPER-HETERODYNE EIGHT TUBE AUTOMATIC VOLUME CONTROL DUO DIODE, TRIPLE GRID SUPER CONTROL PENTODE PUSH-PULL AUTOMOBILE RECEIVER
Tubes Required: 4-Sylvania 69 (or RCA 89), 1-237, 1-85, 2-238



The antenna is coupled to a 69 Sylvania (58 Type) 6.3 Volt, .4 amp. Triple Grid Super Control R. F. tube, and its output, together with a 237 Oscillator feed into a 69 1st detector, which feeds into two 69 I. F. stages, followed by an 85 Duo Diode Triode Amplifier combination I. F. stage and 2nd Linear Power Detector. This then is fed into two 238 Push-Pull Pentodes. The results obtained therewith are really sensational—we doubt if there is a more sensitive or powerful receiver of its type! It will actually tune in extreme long distance stations, on only a few feet of antenna wire!

The handsome crystalline finished steel case housing this chassis measures 8¾ in. x 8¾ in. x 7¾ in. A clever universal mounting bracket is furnished.

The filaments of the tubes are lit from the car's storage battery—the plate voltage of 135 volts can be furnished by three 45 volt "B" batteries, or, any auto "B" eliminator may be employed—all eight tubes require 52 mls. The "C" Bias provisions are automatically taken care of.

Equipped With Carter-Utah Remote Control

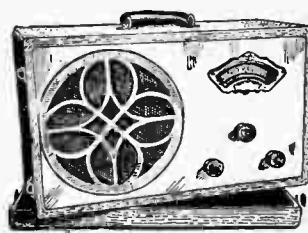
Self-contained in the Remote Control, there is provided an illuminated vernier dial mechanism, volume control and lock key switch. Cat. No. 5745. Fully Assembled, but Unwired. Explicit wiring diagrams furnished. Less Tubes, Speaker and "B" Battery Case, but furnished with Remote Control and Metal Housing Case. **\$34.50**
Cat. No. 5746. Same as Cat. No. 5745, but Factory Wired. Ready for Immediate Use! **\$44.50**

Cat. No. 5747. **\$12.90**
Set of 8 Tubes.
Cat. No. 5748. Jensen or Utah 6 Volt D. C. Dynamic Speaker & Mounting Frame. **\$6.95**
Cat. No. 5749. Black Japanned Steel "B" Battery Case, 13" long, 9" wide, 8" high. **\$3.45**



Cat. No. 5745-5746

Portable 8 Tube Super-Heterodyne and Permanent Magnet Dynamic Speaker
Employs the Same Chassis as Described to the Left



The super-heterodyne set herein described is slightly re-designed to accommodate the full vision tuning dial in place of the remote control mechanism. Dry cell tubes of the

Cat. No. 5750-5751
230 Two Volt series are employed, viz.: 2-233, 3-234, 3-230 tubes, which require Two Volts "A," obtained from two 1½ volt dry cells, and, 90-135 volts "B," furnished by 2 or 3 small size 45 volt "B" batteries. There is also required 13½ volts "C," furnished by a small 22½ volt tapped "C" battery. All these batteries can be stored comfortably within the rear of the chassis. A volume control and battery switch, tone control and full vision dial knob comprise simple but fully effective controls. The handsome leatherette covered carrying case measures 18½ in. long, 10 in. wide, and 11 in. high. Cat. No. 5750. Fully Assembled, but Unwired. Explicit wiring diagrams furnished. Includes Portable Case, but Less Tubes and Speaker. **\$34.50**
Cat. No. 5751. Same as Cat. No. 5750, but Factory Wired. **\$44.50**
Cat. No. 5752. Set of 8 Cunningham Tubes. **\$11.15**
Cat. No. 5753. Jensen Permanent Magnet Dynamic Speaker. **\$7.95**

Semi-Assembled or **FACTORY WIRED**

"COAST-TO-COAST" LABORATORY CONSTRUCTED 1933 MODEL 10 TUBE TRIPLE GRID-SUPER CONTROL PENTODE PUSH-PULL SUPER-HETERODYNE RECEIVER

**AUTOMATIC
VOLUME
CONTROL!**

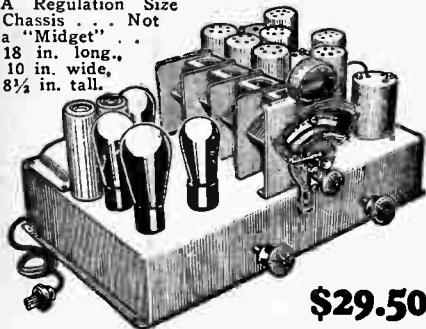
**VISUAL
METER
TUNING**

Produces 7 WATTS UNDISTORTED OUTPUT

Employs Recently Released R.C.A. Tubes: 4-58, 2-56, 1-55, 2-247, 1-280

Absolutely Attains Perfect 10 K. C. Selectivity and Produces Tremendous Volume—Free of Distortion and Possessing Remarkable Fidelity of Reproduction! Band Pass Filter, Super-Control Triple Grid First Power Detector, Combination Duo Diode 2nd Detector-Triode Amplifier and Automatic Volume Control, Resistance Coupled 1st A.F. Audio Stage, 7 WATT Output Push-Pull Pentode Amplification.

A Regulation Size Chassis . . . Not a "Midget" . . . 18 in. long, 10 in. wide, 8½ in. tall.



\$29.50

Incorporates Every Known Circuit Improvement of Advantage. Modern Chassis Construction and Carefully Engineered Layout Assures Maximum Performance

The simple plans and diagrams included will enable any novice to successfully wire this remarkable receiver—and its performance will equal that of any factory built chassis. **THE LABORATORY CONSTRUCTED MODEL** is of course without doubt one of the finest Radio Receivers available—it is shipped ready for **IMMEDIATE USE!** Visual Meter Tuning: By watching the deflection of the indicator, you are automatically apprised when Perfect Resonance has been established—invaluable for elimination of distortion and as an Automatic Volume Control. Maintains equation of volume, not exceeding a certain degree, to suit your tastes—prevents undue blasting, greatly increasing your enjoyment of Radio! Push-Pull Diode Detection: Completely rectifies both carrier bands, permitting greater detection action, greater sensitivity, greater amplification, and practically eliminates any distortion from creeping into the audio amplifier circuits! It is indeed an invaluable feature! In addition to serving as a **DIODE DETECTOR**, the 55 Tube serves as a **TRIODE**

AMPLIFIER and as an **AUTOMATIC VOLUME CONTROL**.

Circuit Features

Unlike many other "supers", this model utilizes a Four Gang variable condenser with one special oscillator "tracker" section. The circuit comprises a valuable and fully effective Band Pass Filter R. F. Antenna Stage, requiring a 58 Super Control Triple Grid Tube, this is followed by a 56 Oscillator, both of which feed into a 58 Mixing Tube and Linear Power 1st Detector, then follows three accurately Laboratory Peaked 175 K. C. I. F. Transformers, coupled to two more 58 tubes followed by a 55 **DUO DIODE** Push-Pull Linear Second Detector. The signal is so tremendously amplified by this time that it could be fed directly into 2-247 Super Power Pentode tubes in Push Pull. However, a 56 Resistance coupled Stage (1st A. F.) is introduced between the 55 and the 247's, for the purpose of actually producing 7 Watts of Undistorted Volume, more than enough to suffice for any fair sized auditorium!

Study These Vital Improvements!

Sturdy cadmium plated chassis, 18 in. long, 10 in. wide, and 8½ in. tall. The controls consist of a Tone Control with self-contained A. C. Line Switch, and Automatic Volume Control with self-contained Phono-Radio Switch, and a single vernier illuminated dial, of the latest Traveling "Ghost-Light" design (or any other type dial to suit your tastes!). *These following features are included in addition to those previously mentioned:* Two Piece Ventilated Aluminum Tube Shields, Massive Heavy Duty 50% Over-load Safety Factor A. C. Power Transformer, Filter Condensers, Filter Chokes, Voltage Dividers, etc. highly shielded, individually compensated slit end plate variable condenser; 5 prong D. C. Dynamic Speaker Outlet, Jack for Additional Dynamic Speakers (A. C. Type); Multiple Power Supply Filtering, extremely short R. F. leads, heavily by-passed and filtered; Safety fuse Protective Block; Sangamo Input Push-Pull Transformer, no crowding of parts; shielded inductances; accessibility to all wiring, etc., etc. Fits the console listed here, or any standard cabinet you may have in stock.

Furnishes D. C. Field Excitation to Your Choice of a JENSEN, WRIGHT DE COSTER or R.C.A. 1000 ohm. MATCHED D. C. DYNAMIC SPEAKER:

Model A-38

- Cat. No. 7132. Fully assembled, but Unwired. Less Speaker and Tubes . . . **\$29.50**
- Cat. No. 7133. Laboratory Wired. Ready for immediate use **\$37.50**
- Cat. No. 7134. Set of 10 R.C.A. Tubes, 4-58, 2-56, 1-55, 2-247, 1-280 **\$8.82**
- Cat. No. 7135. Jensen 1½ in. Diameter "Concert" Matched Dynamic Speaker **\$7.95**
- Cat. No. 7136. WRIGHT DE COSTER MATCHED DYNAMIC SPEAKER **\$14.50**
- Cat. No. 7137. R.C.A. Improved MATCHED DYNAMIC SPEAKER **\$19.50**

Attractive Walnut Six-Legged Console

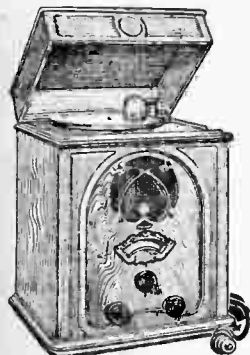
Separately Available If Desired!

Houses the above Receiver, and any other type, combining a **SPEAKER Baffle Chamber of Perfect Acoustic Design!** The latest mode in modern Radio cabinet construction. The speaker baffle chamber is of generous proportions and will greatly assist in the perfect reproduction qualities of any receiver. The over-all dimensions are as follows: 44 in. high, 25 in. wide, 15½ in. deep. The inside depth is 11 in. and width, 22½ in. The width across the set panel is 10½ in. Cat. No. 7138. Console only, less speaker or receiver chassis. Furnished with an **\$23.50** Undrilled Set Panel, if Desired



"COAST-TO-COAST" COMBINATION ELECTRIC PHONOGRAPH AND 7 TUBE SUPER-HETERODYNE RECEIVER

Available With Choice of 78 R.P.M. or Combination 33 1/3 and 78 R.P.M. Electric Phonograph. At the Throw of a Switch—Either Phono or Radio Reception is Made Possible.



The remarkable feature about this combination Receiver and Phonograph is the fact that no sacrifice in efficiency was made, because of the difficult engineering feat of combining both instruments in one compact area of 23½ x 17½ x 14 in. deep! The Super-Heterodyne Receiver employed is of current design, employing the latest R.C.A. tubes which actually deliver greater power per socket output—up to only recently. Super-Heterodyne Receiver possessing the power and amazing sensitivity and selectivity of this model would **HAVE TO HAVE EMPLOYED 9 to 10 TUBES!**

Handsome Designed—Ruggedly Constructed Mantle "Console"

Made of the finest hardwood veneers obtainable, selected for their intricate grain effects. Beautifully shaded and finished—worthy indeed of placement in any finely appointed home! The hinged top is unusually heavy and is full piano hinged—equipped with a stop lever. The speaker chamber is heavily wooded, for attaining maximum acoustical perfection!

Description of Electric Phono. Motors Employed

The 78 R. P. M. Model includes a General Electric Induction Phono. Motor and 12 In. Felt Lined Turn-Table. The pick-up is the world renowned **WEBSTER**, equipped with a fully flexible volume control. For combination 33½ and 78 R. P. M. record reproduction, a suitable dual Speed-Motor and pick-up is furnished—either speed is available, at the throw of a switch!

Latest 1933 Model Super Heterodyne Receiver

Constructed around a **NEW CIRCUIT**, incorporating 1-58 Triple Grid Super Control 1st Power Detector, 1-56 Oscillator, 2-58 Intermediate Stages, 1-55 Duo Diode 2nd Detector Combination Triode Amplifier and Automatic Volume Control, 1-247 Pentode Amplifier, 1-280 Rectifier. The sum total of this receiver produces amazing results, such as **HAIR-LINE**

SELECTIVITY—EXTREME SENSITIVITY—ENORMOUS OVER-ALL R. F. and A. F. Amplification—ABSOLUTE PERFECTION OF FAITHFUL REPRODUCTION, and all other good features that will make your Trade fully pleased with their purchase.

Model A-39

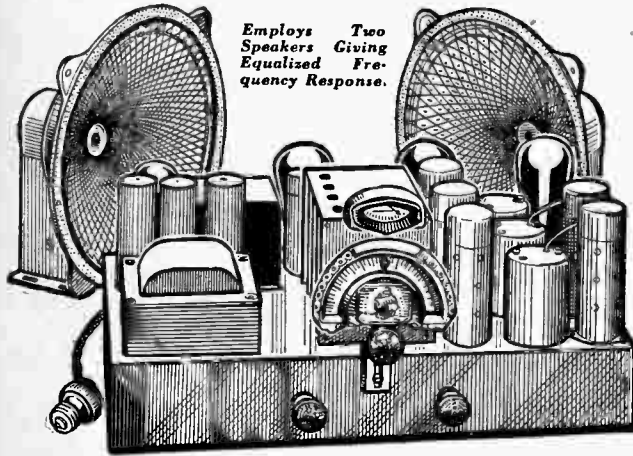
- Cat. No. 7139. **FACTORY WIRED**. Ready for Immediate use, Including a **JENSEN DYNAMIC SPEAKER**, 78 R. P. M. G. E. Electric Phonograph Motor and Webster Pick-Up, and Combination **PHONO-RADIO** Console, less Tubes **\$56.50**
- Cat. No. 7140. Same, but equipped with Combination 33½ and 78 R. P. M. Pick-Up and Motor **\$62.50**
- Cat. No. 7141. Set of 7 R.C.A. Tubes: 3-58, 1-56, 1-55, 1-247, 1-280 **\$7.09**

Phono-Radio Cabinet Separately Available

Cat. No. 7142. Less Elec. Motor, Pick-Up Receiver or Speaker. Plain Undrilled Front Panel **\$19.50**

FULLY ASSEMBLED (UNWIRED) OR FACTORY WIRED
"COAST-TO-COAST" 16 WATT CLASS "B" 10 TUBE
DUAL SPEAKER SUPER-HETERODYNE RECEIVER

Employs a Vastly Improved New Circuit Designed Around Radio's Latest Tube Sensations . . . The 58 Triple Grid Super Control R. F. Amplifier . . . The 56 Improved Triode Oscillator . . . The 55 Duo Diode Detector-Triode Amplifier and Automatic Volume Control Tube . . . The Class "A" 46 "Driver" Into Class "B" 46 PUSH-PUSH Amplifiers . . . The 82 Mercury Vapor Rectifier. Requires: 4-58, 1-56, 1-55, 3-46, 1-82. Range: 200 to 550 Meters.



Employs Two Speakers Giving Equalized Frequency Response.

then into a Class "A" 46 Driver Stage, feeding into a CLASS "B" PUSH-PUSH OUTPUT STAGE . . . the sum total of which constitutes a super-heterodyne par excellence! The use of a Push-Pull Detector makes possible the rectification of both carrier bands, assuring greater detector action, greater sensitivity, greater amplification, and practical elimination of distortion tendencies. At the same time, this "Miracle" 55 Tube is used in conjunction with a circuit that gives full Automatic Volume Control action.

Possesses These Really Valuable and Exclusive Features

The sturdy cadmium plated chassis measures 18 in. long, 10 in. wide, and 8 1/2 in. tall overall. All the controls are confined to within 8 inches, permitting the use of most any console. Equipped with: a Traveling "Ghost Light" Vernier Dial, Visual Tuning Meter, Tone Control with self-contained A.C. Line Switch; Automatic Volume Control; Phono-Radio Switch; Two Piece Aluminum Ventilated Shields; Massive A.C. Power Transformer; Heavy Duty Filter Condensers; Chokes and Three Electrolytic Condensers; High Shielded Variable Condenser with Individual compensators and OSCILLATOR TRACKER SECTION; 5 prong Speaker socket and Plug; furnishes D.C. field excitation for 2-2500 ohm Dynamic Speakers; Additional Speaker Jack (either A.C. Dynamic or Magnetic types); Multiple Power Supply Filtering; extremely short r.f. leads; heavily by-passed and filtered; safety fuse protective block; Sangamo Input Push-Pull Transformer; no crowding of parts; absolute accessibility to all wiring; etc. etc.

Use of Dual Speakers Produces Most Realistic Reproduction Possible!

Each of these Speakers are individually pitched one to accentuate the lower frequency audio sound band, and the other to stress the higher frequencies, the sum total of which produces fully equalized tonal reproduction, throughout the entire audio frequency scale. To appreciate this remarkable feat, one has to actually listen to it!

Furthermore, by employing two Speakers, each one of them dissipates one half the total audio sound output, thereby assuring flawless reproduction, free from blasting and overloading effects! Incidentally, you can mount either or both these Speakers any distance from the amplifier, actually feeding each Speaker with 8 watts of undistorted output . . . more than sufficient sound coverage for a fair sized auditorium!

The Newly Released R.C.A. Tubes Are a Tribute to Their Sponsors and Designers

The new 58 tube, which is the successor to the 224 and 235, has an R.F. Gain of 128 as compared to 370 of the 235 . . . Compare that! The 55 actually takes the place of 3 tubes, serving as two detectors, giving full wave rectification and resulting tremendously increased gain and amplification! Due to push-pull detection, there is a total absence of any radio frequency currents in the plate circuit, thereby preventing distortion. The Class "B" 46 tubes permit enormous volume outputs with relatively low plate currents, at low voltages! It also serves as a most effective Automatic Volume Control, equalizing signal response, and hindering blasting.

Visual Tuning Meter Feature

By noting the shadow caused by the deflection of the Tuning Meter arrow on the illuminated dial, the exact condition of resonance is made known, thereby further tending to check distortion.

Wiring of Assembled, Unwired Receivers Constitutes a Simple Task

If you purchase the "kit" model, you will receive it in a fully assembled state . . . all you have to do is follow the simple plans included, and the wiring becomes an enjoyable task. For 110 Volts, 50-60 Cycles A.C.

Model SR-49

Cat. No. 7085. Fully assembled, but unwired. Including Two D.C. Jensen 1 1/2 in. "CONCERT" separately pitched Dynamic **\$49.50** Speakers, but less tubes.
 Cat. No. 7086. Same as above, but FACTORY WIRED, and LABORATORY **\$63.50**
 TESTED
 Cat. No. 7087. Set of R.C.A. Tubes: **\$9.09**
 4-58, 1-56, 1-55, 3-46, 1-82.

NOTE: We Can Furnish Two Wright De Coster Dynamic Speakers Instead of Two Jensens, for \$12.50 Additional.

Produces Maximum Undistorted, Faithfully Reproduced Volume (16 Watts!) and Is Conceded to Be One of the Most Selective and Sensitive Receivers Available!

The enormous power produced by this remarkable receiver makes it suitable for use in auditoriums as well as in homes, and for that matter, here is the ideal Phono amplifier! Mammoth Volume is not its only attribute, for it further boasts of matchless tonal quality, rivaled only by the original broadcast! We Positively Guarantee Coast to Coast Reception, dependent of course on climatic conditions. Here is Radio's most sensitive, selective and powerful receiver!

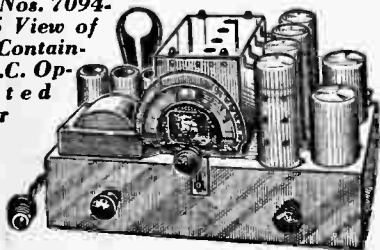
Every Known Valuable Improvement in Super-Heterodyne Circuits Is Herein Embodied

Incorporates an extremely valuable Band Pass Filter which prevents image interference, and Assures Perfect 10 K.C. Selectivity! Employs an oscillator "Tracker" condenser, and 3 I.F. 175 K.C. peaked transformers. Consists of a 58 1st, R.F. tube, and 56 Oscillator, both feeding into a 58 Mixing Tube and 1st Detector, feeding into two successive 58 I.F. Stages, followed by 1-55 Push-Pull 2nd Detector, (and I.F. stage),

FULLY ASSEMBLED (UNWIRED) OR, FACTORY WIRED

"COAST-TO-COAST" 5 TUBE AUTOMATIC VOLUME CONTROL—VISUAL METER TUNING—R.F. TUNERS

Cat. Nos. 7094-7095 View of Self-Contained A.C. Operated Tuner



A. C. Model

Employs 3-58, 1-55, 1-280 Tubes

"Hair-line" selectivity . . . distant reception right through locals; ultra-sensitivity . . . picks up the feeblest of long distance stations; tremendous gain per stage . . . So powerful is the resultant amplification within the four tuned stages, that a loud speaker may be inserted in the detector tube plate circuit! No cross modulation, due to the use of the 58 type tubes—not one, but THREE OF THEM! To "cap" the climax, a Linear Power

Detector is included—this assures distortion-free detection—no distorted signals will be passed on to the A.F. tubes. Then again the tremendous output of these 4 highly sensitive stages can be connected directly to an output power stage, using either a 45 or 47 single or push-pull Power Tube, thereby dispensing with the conventional 1st A.F. tube. You may, however, use this tuner with any of our "Coast-to-Coast" amplifiers, or for that matter, with any other good amplifier.

Modern Chassis Construction

Handsome in appearance, due to its high cadmium plated finish. Generously constructed—no crowding of parts. The sturdy chassis measures 14 in. long, 7 3/4 in. wide, 8 in. tall over all.

Exclusive Features

The four precision wound HIGH GAIN Shielded R.F. Coils are mounted beneath the chassis and located at strategic points that will assure Shortest Possible Leads! A traveling "Ghost Light" on the Vernier Dial is indeed a valuable feature! Its usefulness is further enhanced by an unusually attractive embossed bronze escutcheon plate. A fully-effective AUTOMATIC Volume Control is included, as is provision for Built-in Aerial, Long and Short Antenna, Twin Jack for Output (to amplifier); a Precision Shielded 4 Gang Individually compensated and individually

shielded condenser, with slit end plates on each section; decorative knobs; ventilated Tube Shields; A.C. Line Cord.

The Visual Tuning Meter indicates the exact state of Perfect Resonance, thereby checking distortion! (This feature is available for \$2.50 additional.)

Can Be Coupled to Any Amplifier!

Model TRFT - 50

Tuner-Less A. C. Power Pack Requires 3-58, 1-55 Tubes, or the Equivalent in 2 Volt or 6 Volt Battery Operated Tubes.

Cat. No. 7092. Fully assembled—unwired. Less Tubes. **\$15.75**
 Cat. No. 7093. Factory wired. **\$19.50**

110 Volt, 50-60 Cycle, A. C. Model

Requires 3-58, 1-55, 1-280 Tubes
 Cat. No. 7094. Fully Assembled, Unwired, Less Tubes **\$19.75**
 Cat. No. 7095. Factory Wired. **\$24.75**
 Cat. No. 7096. Set of 5 R.C.A. Tubes **\$4.47**

"COAST-TO-COAST" 6 TUBE SCREEN GRID PUSH-PULL PENTODE AUTOMOBILE RECEIVER

**Equipped With Remote Control and Dynamic Speaker—
Employs Latest Type Automobile Tubes!**

View of Chassis



Can be installed in any car in but a small fraction of time. The chassis itself is housed in a small cadmium plated steel case, which can be mounted, by virtue of the 3 heavy protruding screws, to any part of the car. It may be tucked away in any part—inside or outside of the car. Note that the chassis itself is readily removable from its shielded case.

Employs Remote Control Principle!

The Remote Tuning and Volume Control and Lock-Switch—not much larger than a cigarette box (4 in. long, 2½ in. wide)—is attached to the steering post and from there, effectively controls, tunes and operates the set, no matter where the set itself, may be located. Connection between the Control and the set is made by a flexible shaft. This shaft is supplied with standard equipment and may be cut down to any length required. A key lock for filament control is included—two keys furnished.

Performance Compares Favorably with the Average Set for Home-Use

The ingenious layout of the chassis provides all necessary shielding—note illustration. "Miles Ahead" in Automobile Radio Design, Tone, Volume and Performance. It employs 2-239, 1-236, 1-237, 2-238 Auto Tubes—a combination which makes for the utmost in automobile radio efficiency and performance. Draws its "A" current from the storage battery of the car. "B" or plate current, is obtained from large, dry "B" batteries or from an Auto "B" Eliminator, as listed in this catalog.

The "B" battery steel case, fastened out of sight under the floor boards, is easily removed for occasional inspection and change of the batteries. Requires four 45-volt "B" batteries or a 180 volt "B" eliminator—the steel case is not required if you use the latter. The "C" bias and intermediate "B" voltages are automatically taken care of within the chassis. There are three weatherproofed and shielded cables. All "A" and "B" battery leads are appropriately by-passed and filtered. A "high shield" (fully shielded) 3 Gang Amsco-De Jur, ball bearing condenser is used exclusively!

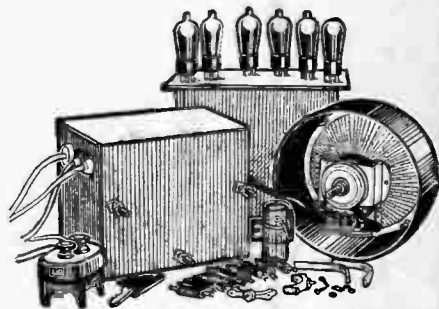
Car Antenna and Magnavox Dynamic Speaker Easily Installed

We recommend the use of our Automobile Antenna, illustrated and described on another page. A complete set of interference suppressors are

available; with them you can operate the Radio even while the motor is in operation, without any disturbances incidental to arcing spark plugs, distributor, generator, etc. The Speaker (8 in. cone!) is mounted within a protective, durable steel baffle drum, and can be bolted to any convenient part of the car.

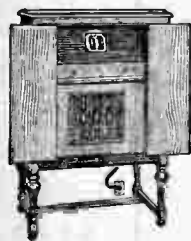
Remarkably Compact

The receiver case measures 9¼ x 6½ x 7¾ in. The battery case measures 10 x 8½ x 9 in. The dynamic speaker is 10 in. in diameter, 4 in. deep.



Cat. No. 7188. Automobile Receiver, complete as illustrated. Includes RCA Tubes, Magnavox Dynamic Speaker, Remote Control, Suppressor Kit, "B" Battery Case, etc. **\$37.50**

Radiola 30A 11 Tube Super-Heterodyne A.C. Operated Console Receiver



This set, which was built to sell for \$495.00, incorporates the famous Radiola Super-Heterodyne. Furnished complete, ready to plug into any 110 Volt A. C. circuit. It is an 11 tube set, utilizing 7-UX199, 2-UX281, 1-UX171-A and 1-UX876. It has full wave rectification, while the UX876 Ballast tube compensates for fluctuations of line voltage. The Radiola 30A, as the list price indicates, is practically a custom built set, built and wired by engineers. Excels in workmanship the average production job. Operates from either a LOOP or conventional antenna system. The cabinet is constructed of matched walnut with quality materials and real workmanship clear through. It is all that you would look for in a set which listed for \$495.00. Each set is furnished with 11 genuine Radiotrons, the present list price of which alone is \$36.65. Each set is packed in the original sealed case complete with Radiotrons.

Our Price Complete with 11 Genuine R.C.A. Radiotrons (ready to plug in and play)

Cat. No. 6441..... **\$28.50**

Portable 78 and 33 1/3 R.P.M. Electric Induction Phonograph



Complete with a Dual Speed Electric Motor Turn-Table "Two-Speed Pick-Up and Record Compartment.

Handsome! Contained in an unusually attractive leatherette carrying case, 16 in. long, 12½ in. wide, 7½ in. high, equipped with two sturdy bronze handles and a powerful spring clasp. A 12-in. diameter, plush lined, non-wobbling turn-table is furnished. Weighs only 10 lbs. For 110 volts, 60 cycles A. C.

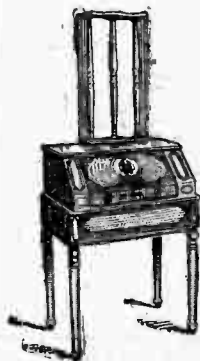
Cat. No. 2971-A **\$18.75**

For 110 Volts, 60 cycles A. C. **\$18.75**

Cat. No. 2971 **\$14.75**

For 78 R.P.M. Record Use Only... **\$14.75**

The World Renowned Radiola 28 8 Tube Super-Heterodyne Receiver



All Radiodom Will Welcome This "Old Timer!"

Limited Quantity Available! Shipped in Original Cases!

Dry cell battery operated in present form—but can be operated by suitable eliminators!

Ideal for use on boats, yachts, camps, or in communities where A. C. current is not available.

Loop operated—no aerial or ground of any form necessary! Rotation of loops greatly assists in selectivity. Employs time proven "Second Harmonic" Super-Heterodyne circuit, 7 UX 199 and

1 UX 120 Power 3 Volt Dry Cell, low amperage tubes. All the batteries fit beneath the chassis proper, and are readily accessible due to the ingenious tilting arrangement of the hinged chassis. The "uncanny" sensitivity, selectivity, volume and tonal quality produced by this remarkable receiver will amaze and thrill you!

The exquisite design of the graceful two tone mahogany cabinet included will harmoniously grace its presence in any well appointed home! It is 38 in. tall (plus 25 in. for the loop itself!), 27 in. long, 16½ in. deep.

SPECIAL CLOSE-OUT PRICE!

Cat. No. 5547..... **\$16.50**

Including 8 R. C. A. Radiotron Tubes Original List Price, \$29.00

NOTE: These receivers are NOT SECONDS—nor factory rejects! Buy with unreserved confidence!

Complete with Tubes and Batteries

Requires 12 No. 6 1½-volt Dry Cells, 3 22½-volt "B" Batteries, and 2 45-volt "B" Batteries. Complete with all batteries and tubes..... **\$21.50**

Complete with Tubes and Batteries

Requires 12 No. 6 1½-volt Dry Cells, 3 22½-volt "B" Batteries, and 2 45-volt "B" Batteries. Complete with all batteries and tubes..... **\$21.50**

Crosley Triple Screen Grid 5 Tube Console Receiver



An Exceptional Buy! Shipped In Original Factory Cases! Brand New!

The use of three screen grid tubes in the vibrantly sensitive R. F. stages seemingly perform miracles . . . you will be amazed at the unusual results it produces. Uses a Linear Power Detection—and a Screen Grid Power Detector at that! The undistorted but highly amplified impulses of the detector are led into a

'45 Super-Power Stage, and the resultant Distortion-Free Volume is thrillingly reproduced in the properly baffled 1200 ohm Crosley Speaker! The sum total of all its highly engineered circuit lay-out is Perfect Satisfaction!

Other Vital and Valuable Features

Fully shielded inductances and R. F. stages and tube compartments. Three gang, pre-compensated variable condenser. Constructed upon a cadmium plated rigid steel chassis. Shielded Power Transformer. Mershon Electrolytic Condenser. Non-distorting amplification. One Dial Tuning Control, smooth volume control, and On-Off Switch. Silk-covered line cord and plug. Consumes only 45 Watts—costs, therefore, as little to run as a common house lamp! Housed in an exquisitely carved effect console.

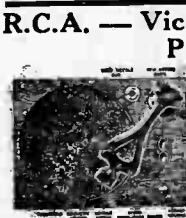
Cat. No. 5288. Complete Receiver, less tubes. For 110 volt, 25 or 60 cycle A. C. **\$11.95**

operation. **\$11.95**

Cat. No. 5289. Set of 5 Tubes **\$3.45**

(3-224, 1-245, 1-280)..... **\$3.45**

R.C.A. — Victor Electric Phono. Pick-Up



Generally conceded to be one of the most sensitive and faithful reproducing instruments available. Represents the final stage of Mechanical and Electrical Perfection—Costs a little more, but—its superior performance more than warrants it!

Cat. No. 5425 (Less Turn-Table, Board, etc.) **\$9.95**

Cat. No. 5425-A. Special Matched Impedance Phono. Input Transformer **\$2.95**

Cat. No. 5425 **\$9.95**

(Less Turn-Table, Board, etc.) **\$9.95**

Cat. No. 5425-A. Special Matched Impedance Phono. Input Transformer **\$2.95**

"COAST-TO-COAST" 8 TUBE DUAL WAVE SUPER-HETERODYNE RECEIVER

Employs Latest R.C.A. Tubes:
2-58, 1-235, 3-56, 1-247, 1-82

EXCLUSIVE FEATURES:

Single Dial Control—Dual Wave Selection at Will! Dual Grid Power Amplification—Triple Grid Super Control Circuit—Mercury Vapor Rectification—Parallel Detection—Tone Control—Automatic Voltage Control—Shadow-Graph Tuning—Variable-Mu—Pentode.

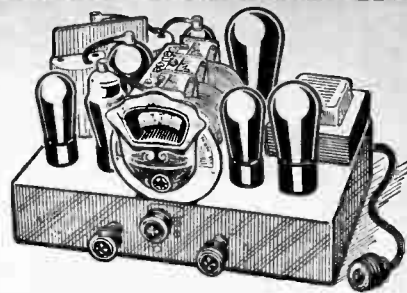
and hence distortion will not occur. Few receivers can equal the sensitivity possessed by this immense value Radio set!

Durably Constructed

No attempt was made to sacrifice quality throughout its design and assembly—it will merit your most scrupulous examination. The chassis itself is handsomely cadmium plated, and measures 8 in. tall, 15 1/4 in. wide, 8 3/4 in. deep. NOTE THAT A 3 GANG OSCILLATOR TRACKER CONDENSER IS EMPLOYED as well as appropriate TUBE AND INDUCTANCE SHIELDING.

Contains Dual Wave Feature

Reception down below 200 meters—in the realm of Police Broadcasts, Amateurs, Trans-Oceanic and All Foreign Stations, ARE TUNEABLE BY MERELY THROWING A SIMPLE SWITCH ARRANGEMENT. COVERS THE EXTENSIVE RANGE OF 60 TO 600 METERS, AND YET REQUIRES ONLY ONE KILOCYCLE CALIBRATED TUNING DIAL!



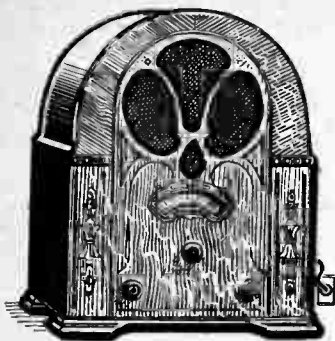
Produces More Than Ample Volume With Thrilling Realism of Reproduction

To insure FULL TONAL REPRODUCTION, a Magnavox Dynamic Speaker is furnished—you will be charmed by its ability to handle the enormous volume produced by this powerful receiver, and give EQUALIZED FIDELITY THROUGHOUT THE ENTIRE AUDIO BAND.

Housed In An Unusually Attractive Cabinet—Chassis Is Separately Available For Console Installations

The illustration herewith fails to do justice to the unique and harmonious design this artistic cabinet possesses—you will be pleasantly surprised! Will enhance the environment of any room in which it is placed. Highly polished selected walnut, and attractively embossed escheuteon. 18 in. high, 14 in. wide, 10 in. deep. Should you wish to install this worthy radio receiver in a conventional size console, the chassis and speaker are available.

- Cat. No. 7017. Chassis and MATCHED DYNAMIC SPEAKER. Ready for Immediate Use, less tubes..... **\$27.50**
- Cat. No. 7018. Same, but mounted in the Table Cabinet Illustrated.. **\$29.95**
- Cat. No. 7019. Set of 8 R.C.A. Tubes: 2-58, 1-235 3-56, 1-247, 1-82..... **\$6.91**



New and Improved Design Tubes Have Made Possible Extra-Ordinary Radio Receiver Performance

The imposing array of eight tubes employed in this remarkable receiver in reality equals in performance that of last year's design receivers, WHEREIN 10 TO 12 TUBES, OF THE THEN EXISTING TYPES, MIGHT HAVE BEEN EMPLOYED. Physically, this chassis is termed a "Midget" BUT ELECTRICALLY, IT IS IN REALITY A "LARGE" CONSOLE CHASSIS CAPABLE OF PRODUCING APPROXIMATELY 4 WATTS OF DISTORTION-FREE VOLUME.

Gives 10 Kilocycle Selectivity

TUNES IN THE WEAKEST OF FAR DISTANT STATIONS, RIGHT THROUGH "LOCALS." If you are situated in a big city like New York, this feature is of immense value. Although this degree of selectivity is unusually pronounced, NO "SIDE BANDS" ARE CUT

"COAST-TO-COAST" 12 TUBE VARIABLE MU-PENTODE PUSH-PULL ALL-WAVE 10 TO 600 METERS SUPER-HETERODYNE RECEIVER WITH TWO JENSEN DYNAMIC SPEAKERS

Employs Recently Developed New Tubes—Providing Greater Power Output and Over-All Efficiency Per Socket

R.C.A. Tubes Required: 2-58, 1-227, 2-235, 4-56, 2-247, 1-82

vital tubes are correctly shielded. The power transformer is mounted on spacing bushings, preventing losses generally existing when the transformer laminations rest directly on the chassis surface. All vital leads are unusually short, greatly increasing its efficiency.

Some of Its Exclusive Valuable Features

Employs "SHADOW-GRAPH" TUNING—only found on the most costly receivers. AUTOMATIC SELECTION OF SHORT-WAVES DOWN TO 10 METERS AND CLEAR UP TO 600 METERS! Tuning is accomplished in the short-wave and broadcast-wave ranges by a SINGLE DIAL! Equipped with VISUAL METER TUNING—the deflection of the illuminated arrow INDICATES EXACT CONDITION OF DESIRED RESONANCE, THEREBY PREVENTING DISTORTION AND ALLOWING MAXIMUM ENERGY TRANSFER. The AUTOMATIC VOLUME CONTROL FEATURE EQUALIZES VOLUME ON ALL BROADCASTS, preventing blasting and uneven tonal response. PARALLEL DETECTION is indeed an extremely valuable feature, PROVIDING FOR MAXIMUM DETECTION AND DISTORTION-FREE VOLUME OUTPUT. Equipped with a fully effective TONE CONTROL and also a unique DISTORTION CONTROL! There is also provided a PHONO PICK-UP JACK, and a vitally valuable SHORT-WAVE VERNIER CONTROL. Some of its other features are DUAL GRID POWER AMPLIFICATION and the use of a TRIPLE GRID SUPER-CONTROL CIRCUIT. Employs the latest mode of MERCURY VAPOR RECTIFICATION, OFFERING LONGER LIFE, LESS HEAT DISSIPATION AND LESS WATTAGE CONSUMPTION.

Use of Two Dynamic Speakers Provides Maximum Volume and Equalization of Frequency Response

To successfully dissipate the enormous power output of this sensational receiver, TWO DYNAMIC SPEAKERS ARE NECESSITATED, each speaker thereby handling one-half the total output. At the same time, these speakers are separately "pitched," one giving brilliance to the higher frequencies and the other accentuates the balance of the audible frequencies down-wards, thereby offering COMPLETE AND EVEN FREQUENCY RESPONSE, from 50 to 10,000 cycles!

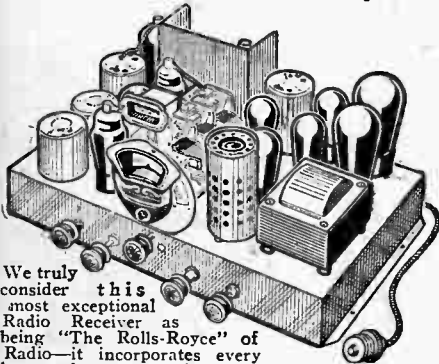


SIX-LEGGED CONSOLE

Separately Available If Desired!

The latest mode in modern Radio cabinet construction. The speaker baffle chamber is of generous proportions and will greatly assist in the perfect reproduction qualities of this receiver and will accommodate either one or two dynamic speakers. The over-all dimensions are as follows: 44 in. high, 25 in. wide, 15 1/4 in. deep. The inside depth is 11 in., and width, 22 1/2 in. The width across the set panel is 10 1/2 in. MADE OF CHOICEST WALNUT VENEERS.

- Cat. No. 7020. 12 Tube ALL-WAVE CHASSIS (10 to 600 Meters), including TWO JENSEN DYNAMIC SPEAKERS, **\$44.50** less tubes.....
- Cat. No. 7022. Console only, less speakers or receiver chassis..... **\$19.50**
- Furnished with an Undrilled Set Panel, If Desired
- Cat. No. 7021. Set of 12 R.C.A. Tubes: 2-58, 1-227, 2-235, 4-56, 2-247, 1-82..... **\$10.20**



We truly consider this most exceptional Radio Receiver as being "The Rolls-Royce" of Radio—it incorporates every known feature and improvement in Radio Circuit Design, resulting in a Receiver that functions in a manner that is positively thrilling to witness!

Use of New Tubes Provides Greatly Increased Power Output Per Tube!

The sum total output of this most remarkable receiver is really tremendous—sufficient to flood an auditorium! Yet, perfect clarity and absolute faithfulness of reproduction is retained. The SENSITIVITY possessed by this receiver is uncanny—the most distant stations roll in, from one end of the kilocycle calibrated dial to the other. Its SELECTIVITY is equally as astounding—provides perfect 10 K.C. tuning, making possible long distant reception of stations in the neighborhood of powerful "locals."

Unusually Well Designed and Efficient Chassis Construction

Mounted upon a sturdy, handsomely finished metal chassis, measuring 17 in. long, 9 1/2 in. deep, 9 in. tall. Employs a three gang oscillator tracker condenser. All inductances and

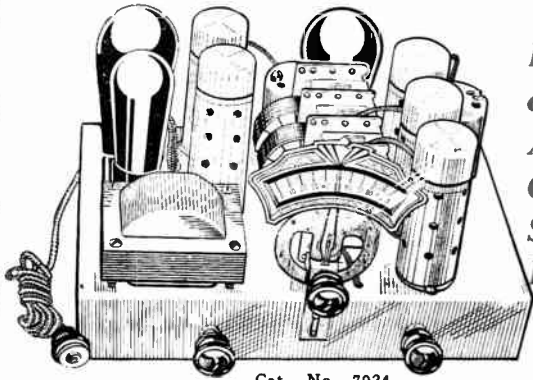
NOTICE: Both receivers listed on this page are intended for use on 110-120 volts, 50-60 cycles A. C. However, we can furnish similar type receivers for 110-120 volts, 25-40 cycles A. C., or, 220 or 240 volts, 50-60 cycles—or, 110 or 220 (or 240) volts D. C. for 30% additional above net prices quoted above. Models are also available for Reception clear up to 2,000 Meters—Ideal for European Broadcasts! Obtainable for \$9.75 additional.

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All Receivers Listed on This Page Employ the Latest Types of R.C.A. Tubes.

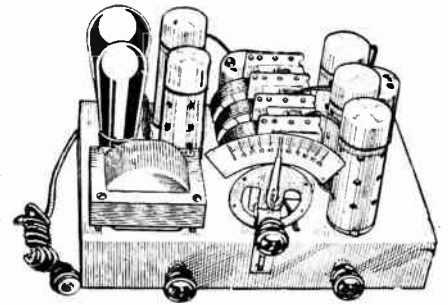
"Coast-To-Coast" 3 Stage Dual Push - Pull 250 Phono - Radio - Microphone, Sound Truck, Auditorium and Public Address Power Amplifiers



Cat. No. 7024

Eight Tube "Super-Het" Chassis

Equipped With Most Recent Design R.C.A. Tubes Actually Producing Greatest Power Output per Socket — Duplicating the Performance of Previous Model 9 and 10 Tube Receivers!



Cat. No. 7023

Seven Tube "Super-Het" Chassis

Commendable Engineering Skill Has Made Possible The "Midget" Size Proportions of These Remarkable Receivers—However Their Performance Rivals That of Considerably Larger and Far More Costly Models . . . It is Therefore an Injustice to Consider These Amazingly Powerful Receivers as "Midgets"!

7 and 8 Tube Models Possess Similar Valuable Features

The only essential difference between the 7 and 8 tube models is the addition of one more I. F. stage and 58 tube in the 8 tube model. Naturally, the additional feature makes the 8 tube model highly desirable where extreme sensitivity and selectivity are essential although under average conditions, the difference in results is not as great. Both receivers possess a degree of SENSITIVITY that is really unusual . . . distance reception of stations from COAST-TO-COAST are quite the rule, and not the exception. At every point of the dial, a station awaits your reception! There is a thrill in listening to far distant lands . . . and these receivers will well earn your plaudits. 10 KILOCYCLE SELECTIVITY, the goal of all Radio Design Engineers, is an actual accomplishment of these receivers. This feature is indeed of great import to those Radio Listeners who reside in the "sound shadow" of local broadcast stations in big cities, operating under great power!

Produces Enormous Volume Without Any Distortion

The use of two 247 (or the latest 88 Heater Type) Pentodes assure maximum audio output—the circuit design and high quality throughout this receiver construction, plus the use of a flawlessly reproducing Jensen or Rola DYNAMIC SPEAKER will please the most discriminating lover of good music!

An Exclusive Feature: Both These Receivers Employ R.C.A. Tube Engineers Greatest Triumph . . . The Duo Diode and Automatic Volume Control Combined 55 Detector Tube!

This radically new and unsurpassed form of detection assures maximum energy transfer, actually making audible the weakest of Radio impulses heretofore considered as too weak to penetrate what is termed as the normal "tube noise level"—and that is not all! For at the same time, this tube functions as an equalizer of volume, preventing any undue blasting from the more powerful stations . . . in truth, AN AUTOMATIC VOLUME CONTROL.

Employs Another Great R.C.A. Achievement—The 82 Mercury Vapor Rectifier

The most powerful broadcast transmitting stations in the world employ MERCURY VAPOR RECTIFIER TUBES . . . today, it is possible to employ this superior rectifier in Radio receiving sets! The 82 Mercury Vapor Rectifier actually consumes less A. C. current, and has a far lower degree of heat dissipation. This tube has such superior merits that it is today being almost exclusively used in Class "B" Amplifiers!

Here Are Some of Its Other Valuable Features:

Mounted on a nicely finished cadmium plated chassis measuring 12 1/4 in. long, 8 1/4 in. deep, 7 1/2 in. tall. Equipped with an Illuminated Full Vision Dial, Three Gang Oscillator Tracking Variable Condensers, Fully Shielded Inductances and Tube Shields, Air Cooled Heavy Duty A. C. Power Transformer, Volume Control and Self-Contained A. C. Line Switch, Phono Pick-Up Jack, Built-In Antenna (actually dispenses with need for external antenna), Tone Control, Heavy Filtering and By-Pass Provisions, and a host of other features all combining to make these receivers worthy of your exclusive sales efforts!

7 TUBE CHASSIS

Cat. No. 7023. 7 Tube Super-Heterodyne Chassis—Complete with a Matched Dynamic Speaker, and 7 R.C.A. Tubes: 3-58, 1-55, 2-88 (or 2-247), 1-82 **\$26.50**

8 TUBE CHASSIS

Cat. No. 7024. 8 Tube Super-Heterodyne Chassis—Complete with a Matched Dynamic Speaker, and 8 R.C.A. Tubes: 4-58, 1-55, 2-88 (or 2-247), 1-82 **\$30.50**

7 or 8 Tube Console De Luxe Super-Heterodyne Receiver



Top and sides of birch plywood. Pilasters of matched butt walnut with arch and apron of lacewood. Radio panel of matched diamond oriental walnut. Genuine carvings used throughout. Cabinet finished in shaded and rubbed American walnut. Overall dimensions: Height 38 1/2 in., Depth 15 1/4 in., Width 24 in. Contains an acoustically perfect baffle chamber for the dynamic speaker!

Cat. No. 7029. Includes a 7 Tube Super-Heterodyne Cat. No. 7023 Chassis, Matched Dynamic Speaker and 7 R.C.A. Tubes **\$36.50**

7 or 8 Tube Super-Heterodyne Mantle Receiver



The illustration herewith fails to do justice to the unique and harmonious design this artistic cabinet possesses—you will be pleasantly surprised! Will enhance the environment of any room in which it is placed. Highly polished selected walnut, and attractively embossed escutcheon. 18 in. high, 14 in. wide, 10 in. deep.

Cat. No. 7027. Includes a 7 Tube Super-Heterodyne Cat. No. 7023 Chassis, Matched Dynamic Speaker and 7 R.C.A. Tubes **\$29.50**
 Cat. No. 7028. Includes an 8 Tube Super-Heterodyne Cat. No. 7024 Chassis, Matched Dynamic Speaker and 8 R.C.A. Tubes **\$33.50**

7 or 8 Tube 6 Legged Console Super-Heterodyne Receiver



A splendid example of Master Cabinet Makers, yet priced to suit the most modest purse! It will grace the decorative effects of any home, its simple beauty of design and attractive finish pleasing all! Overall dimensions: 41 in. high, 22 in. wide, 14 in. deep.

Cat. No. 7025. Includes a 7 Tube Super-Heterodyne Cat. No. 7023 Chassis, Matched Dynamic Speaker and 7 R.C.A. Tubes **\$39.50**

Cat. No. 7026. Includes an 8 Tube Super-Heterodyne Cat. No. 7024 Chassis, Matched Dynamic Speaker and 8 RCA Tubes **\$43.50**

Cat. No. 7197. Same as Cat. No. 7026, but INCLUDES TWO DYNAMIC SPEAKERS. instead of one! An invaluable feature! **\$51.50**

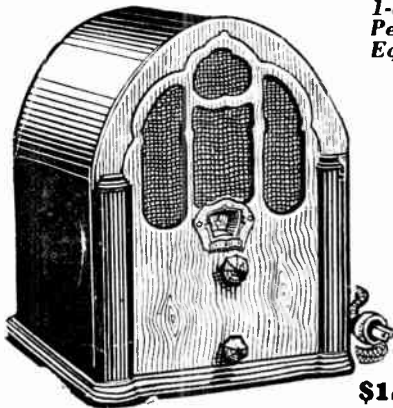
NOTICE: All receivers listed on this page are intended for use on 110-120 volts, 50-60 cycles A. C. However, we can furnish similar type receivers for 110-120 volts, 25-40 cycles A. C., or, 220 or 240 volts, 50-60 cycles—or, 110 or 220 (or 240) volts D. C. for 30% additional above net prices quoted above. Special Models are also available for Reception from 600 to 2,000 Meters—For European Broadcasts \$9.75 additional cost above net prices

All Receivers Described On This Page Employ LATEST TYPE R.C.A. TUBES!

"COAST-TO-COAST" 5 TUBE ALL-WAVE SERIES SUPER-HETERODYNE RECEIVERS

Available in Two Models . . . One Covering 200 to 550 Meters
and the Other Covering from 60 to 550 Meters.

Employs R C A's Latest Design Tubes: 2-57, 1-58, 1-247, 1-82 . . . This Combination Producing the Performance of Previous 7 Tube Receivers! Equipped With a Matched Dynamic Speaker Affording Amazing Realism of Reproduction!



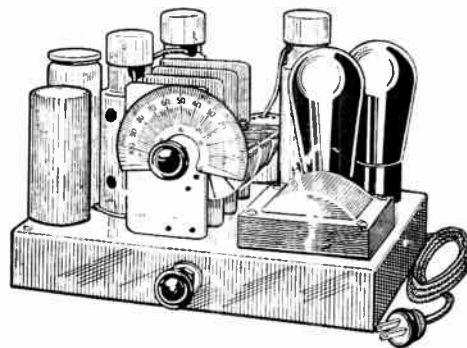
\$14.95

Its Selectivity . . . Sensitivity . . . and High Quality Tonal Reproduction Are Highly Recommendable and Equals That of Some More Costly Receivers
The highly satisfactory manner in which this 5 tube receiver performs is really amazing—it will pull in extreme long distant stations with a "wallop" that will thrill you. Substantial volume is of course desired by all, but when the faithfulness of reproduction is also highly pleasing, then you can well be generous in your praise of this remarkable Super-Heterodyne Receiver!

Provided With a Three-Gang Variable Condenser, Phono Pick-Up Jack and Self-Contained Aerial

Exclusive Features

Two 57 tubes are employed, one serving as a COMBINATION 1st Detector, and Oscillator, and the other as the second detector, being in that position suitably biased, providing a large audio frequency output of excellent quality to the Pentode Tube, resulting in enormous sound volume output. Bear in mind that these 57 tubes serve as triple grid detectors and as self-inherent amplifiers, possess an amplification factor each of 1500 compared to 420 claimed by a 224 tube. The 58 tube is employed as an I.F. amplifier and due to its triple grid super control feature it greatly enhances the overall efficiency of the receiver. . . . proof of its absolute supremacy can be readily seen by comparing its amplification factor of 1280, while its predecessor, the 235, only possesses an amplification factor of 370! The 82 Mercury Rectifier assures less wattage consumption and more even plate current flow. Here are some of its other valuable features: Air Cooled Transformer; Shielded Inductances and Tube Shields; Volume Control and Self-Contained A.C. Switch and High Safety Factor Power Pack. The durable chassis measures 10 in. The cabinet is attractive and worthy of any furniture lover's full esteem.



DUAL WAVE FEATURE

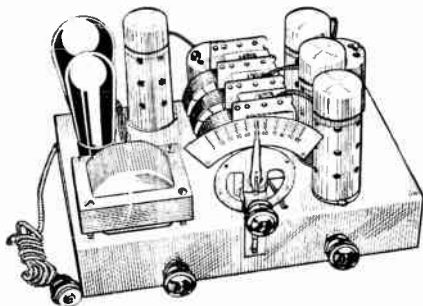
Special models listed below are available that can tune in from 60 to 550 meters, by merely throwing a switch. Listen in on Police Broadcasts, Amateurs, Ship-to-Shore Stations, Television, and countless Foreign Short Wave Stations, depending on conditions.

Cat. No. 7045. 200 to 550 Meter Chassis. Complete with Mantle Cabinet and Dynamic Speaker. . . . **\$14.95**
Cat. No. 7046. 60 to 550 Meter "All-Wave" Chassis. Complete with Mantle Cabinet and Dynamic Speaker . . . **\$16.95**
Cat. No. 7047. Set of 5 R C A Tubes: 2-57, 1-58, 1-247, 1-82. . . . **\$4.61**

"COAST-TO-COAST" 6 TUBE SUPER-HETERODYNE RECEIVERS

Available in Three Models: One Tuning 200 to 550 Meters. One Tuning 60 to 550 Meters. One Tuning 200 to 2000 Meters
Ideal for American and European Broadcast Reception

Employs Latest Types of R C A Tubes: 3-58 Triple Grid Super Control Tubes; 1-55 Full Wave Diode Rectifier and Triode Amplifier Detector (Automatic Volume Control); 1-88 Heater Type Pentode (or 247); 1-82 Mercury Vapor Rectifier



Produces Results Equal to Former 8 "Tube Super-Het" Receivers
The latest series of tubes, as contained in this receiver, are comparable to the stage of perfection attained in motor car design of today and 10 years ago . . . you can today buy a FAR BETTER CAR for less money . . . and this same condition exists today in Radio. The amazing degree of perfection of SENSITIVITY, SELECTIVITY and FAITHFUL TONAL REPRODUCTION attained by this latest model receiver is one of the reasons why this receiver is one of our best sellers. Affords considerable long distance station reception, from 1500 to 3000 miles, and absolute 10 Kilocycle Separation SELECTIVITY. The audio output is really tremendous and the MATCHED DYNAMIC SPEAKER employed will reproduce free of distortion.

Possesses Features Now Offered by Few Higher Priced "Super-Het" Receivers

The use of a 55 type detector provides maximum full wave detection, which assures double amplification, and more even response. At the same time, this tube functions as an effective Automatic Volume Control, which equalizes volume strength outputs. The new Heater Type 88 Pentode Tube (with optional 247 type, if desired) provides an assurance against hum background. The new 82 Mercury Vapor Rectifier

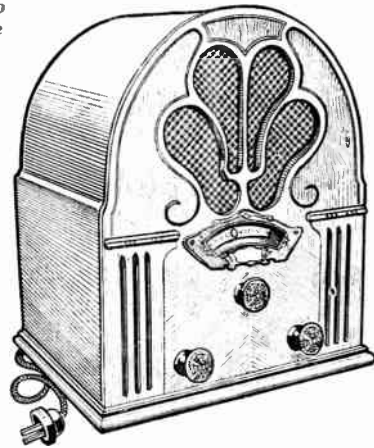
provides more even plate current flow and lower operating cost. The inductances are all carefully shielded and so are the radio frequency tubes. A Three Gang Oscillator Tracker Condenser is employed—your assurance of maximum satisfaction! Equipped with an Air Cooled, raised pillar mounted Power Transformer, High Safety Factor Power Pack, Full Vision Illuminated Vernier Dial, Tone Control, Volume Control with self-contained A.C. Line Switch, etc., etc. The chassis is of heavy gauge cadmium plated metal and measures: 12½ in. long, 8½ in. deep, 7½ in. tall.

Wide Choice of Models to Serve All Wave-Length Reception Requirements

The standard model tunes from 200 to 550 meters, and is also available to INCLUDE SHORT-WAVE RECEPTION DOWN TO 60 METERS, by merely throwing a switch! A special model provides reception of European Radio Station Wave-Lengths, as well as the American range of 200 to 550 Meters.

Housed in a Highly Attractive Mantel Cabinet

This cabinet is not to be confused with the average "Midget" Radio Set Cabinet. For it is a splendid example of Master Craftsmen! The choicest of walnut woods have been employed in its substantial construction, and the decorative effects are indeed highly pleasing. Particular thought was stressed to perfecting an acoustically correct baffle chamber, to success-



Equipped With Phono Pick-Up Jack and Self-Contained Aerial Features!

fully enhance tonal reproduction. It is nicely finished and hand rubbed.

Cat. No. 7048. 6 Tube Super-Heterodyne Chassis, Complete with Matched Dynamic Speaker and Mantle Cabinet. RANGE, 200 TO 550 METERS. FURNISHED COMPLETE WITH THESE R C A TUBES: 3-58, 1-55, 1-88 (or 247), 1-82. . . . **\$26.50**

Cat. No. 7049. Same as Cat. No. 7048, but covers a range from 60 to 550 Meters. . . . **\$29.50**

Cat. No. 7050. Same as Cat. No. 7048, but covers a range from 200 to 2,000 Meters **\$34.50**

NOTICE: All receivers listed on this page are intended for use on 110-120 volts, 50-60 cycles A. C. However, we can furnish similar type receivers for 110-120 volts, 25-40 cycles A. C., or, 220 or 240 volts, 50-60 cycles—or, 110 or 220 (or 240) volts D. C. for 25% additional above net prices quoted above.